

Oracle® Fusion Middleware

Release Notes

11g Release 1 (11.1.1) for HP-UX PA-RISC (64-Bit)

E14775-53

April 2014

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Preface

This preface includes the following sections:

- [Audience](#)
- [Documentation Accessibility](#)
- [Related Documents](#)
- [Conventions](#)

Audience

This document is intended for users of Oracle Fusion Middleware 11g.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit

<http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

Related Documents

For more information, see these Oracle resources:

- Oracle Fusion Middleware Documentation on Oracle Fusion Middleware Disk 1
- Oracle Fusion Middleware Documentation Library 11g Release 1 (11.1.1)
- Oracle Technology Network at <http://www.oracle.com/technetwork/index.html>.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Part I

Oracle Fusion Middleware

Part I contains the following chapters:

- Chapter 1, "Introduction"
- Chapter 2, "Installation, Patching, and Configuration"
- Chapter 3, "Upgrade"
- Chapter 4, "Oracle Fusion Middleware Administration"
- Chapter 5, "Oracle Enterprise Manager Fusion Middleware Control"
- Chapter 6, "Oracle Fusion Middleware High Availability and Enterprise Deployment"

Introduction

This chapter introduces Oracle Fusion Middleware Release Notes, 11g Release 1 (11.1.1). It includes the following topics:

- Section 1.1, "Latest Release Information"
- Section 1.2, "Purpose of this Document"
- Section 1.3, "System Requirements and Specifications"
- Section 1.4, "Memory Requirements"
- Section 1.5, "Certification Information"
- Section 1.6, "Downloading and Applying Required Patches"
- Section 1.7, "Licensing Information"

1.1 Latest Release Information

This document is accurate at the time of publication. Oracle will update the release notes periodically after the software release. You can access the latest information and additions to these release notes on the Oracle Technology Network at:

<http://www.oracle.com/technetwork/indexes/documentation/index.html>

1.2 Purpose of this Document

This document contains the release information for Oracle Fusion Middleware 11g Release 1 (11.1.1). It describes differences between Oracle Fusion Middleware and its documented functionality.

Oracle recommends you review its contents before installing, or working with the product.

1.3 System Requirements and Specifications

Oracle Fusion Middleware installation and configuration will not complete successfully unless users meet the hardware and software pre-requisite requirements before installation.

For more information, see "Review System Requirements and Specifications" in the *Oracle Fusion Middleware Installation Planning Guide*

1.4 Memory Requirements

Oracle Fusion Middleware memory requirements for installation, configuration, and runtime are as follows:

1. Without a Database on the same server: Minimum 4 GB physical memory and 4 GB swap.
2. With a Database on the same server: Minimum 6 GB physical memory and 6 GB swap.

Note: These minimum memory values are with the assumption that no user or operating system process is consuming any unusually high amount of memory. If such a condition exists, corresponding amount of additional physical memory will be required.

1.5 Certification Information

This section contains the following:

- [Section 1.5.1, "Where to Find Oracle Fusion Middleware Certification Information"](#)
- [Section 1.5.2, "Certification Exceptions"](#)
- [Section 1.5.3, "JMSDELIVERYCOUNT Is Not Set Properly"](#)
- [Section 1.5.4, "Viewer Plugin Required On Safari 4 To View Raw XML Source"](#)

1.5.1 Where to Find Oracle Fusion Middleware Certification Information

The latest certification information for Oracle Fusion Middleware 11g Release 1 (11.1.1) is available at the Oracle Fusion Middleware Supported System Configurations Central Hub:

<http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html>

1.5.2 Certification Exceptions

This section describes known issues (exceptions) and their workarounds that are associated with Oracle Fusion Middleware 11g certifications. For a list of known issues that are associated with specific Oracle Fusion Middleware 11g Release 1 (11.1.1) components, see the Release Notes for the specific Oracle Fusion Middleware 11g Release 1 (11.1.1) component.

This section contains the following topics:

- [Section 1.5.2.1, "Certification Information for Oracle Fusion Middleware 11g R1 with Oracle Database 11.2.0.1"](#)
- [Section 1.5.2.3, "Restrictions on Specific Browsers"](#)
- [Section 1.5.2.4, "Process to Install and Configure WebCenter With 32-bit JDK on Supported 64-Bit Platform"](#)

1.5.2.1 Certification Information for Oracle Fusion Middleware 11g R1 with Oracle Database 11.2.0.1

If you choose to configure Oracle Internet Directory with Database vault, do the following:

1. Apply patch 8897382 to fix bug 8897382.

Note: the following workaround is required only if the Oracle Fusion Middleware version is 11.1.1.1.0 (11gR1). This issue will be fixed in 11.1.1.2.0.

2. Apply the workaround for bug 8987186 by editing `<OH>/ldap/datasecurity/dbv_oid_command_rules.sql` file and find the following declaration:

```
/declare
begin
    dvsys.dbms_macadm.CREATE_COMMAND_RULE(
        command => 'CONNECT'
        ,rule_set_name => 'OID App Access'
        ,object_owner => 'ODS'
        ,object_name => '%'
        ,enabled => 'Y');
commit;
end;/
```

and change the line that is indicated in **bold**:

```
/declare
begin
    dvsys.dbms_macadm.CREATE_COMMAND_RULE(
        command => 'CONNECT'
        ,rule_set_name => 'OID App Access'
        ,object_owner => '%'
        ,object_name => '%'
        ,enabled => 'Y');
commit;
end;/
```

1.5.2.2 Excel Export Issue on Windows Vista Client

Vista prevents applets from creating files in the local file system if the User Account Control (UAC) system is turned on. You can experience this problem if you have the UAC setting enabled on Vista and if you use a component like Discoverer Plus. If you start Discoverer Plus and if you try exporting a worksheet to a specified directory, the exporting succeeds but you cannot see the exported file in the directory. The available workarounds is to disable UAC and set protection mode to OFF. Refer to Bugs 8410655 and 7328867 for additional information.

1.5.2.3 Restrictions on Specific Browsers

1.5.2.3.1 Unable to View the Output of a JSPX Page in Internet Explorer 7

When a JSPX page is deployed and is then accessed using Internet Explorer 7 (IE7), the XHTML source is displayed instead of the page contents. This occurs in both normal and `osjp.next` modes.

The workaround is to instruct application users to access the application with Firefox or Safari.

1.5.2.3.2 Java Plugin for Discoverer Plus Not Downloaded Automatically on Firefox When you attempt to connect to Discoverer Plus by using the Mozilla Firefox browser on a computer that does not have Java 1.6 installed, Firefox does not download the JRE 1.6

plug-in automatically. Instead, Firefox displays the following message: "Additional plugins are required to display this page..."

The workaround is to download the JRE 1.6 plug-in by clicking the Install Missing Plugin link to install it manually.

1.5.2.4 Process to Install and Configure WebCenter With 32-bit JDK on Supported 64-Bit Platform

For WebCenter 11g Release 1, the following platform has been verified with 32-bit JDK:

HP Itanium and HP PA-RISC:

32-bit HP JDK 1.6.0.02+

To install and configure WebLogic Server with 32-bit JDK perform the following steps:

1. Install the supported 32-bit JDK
2. Export the 32-bit JDK environment. For example:

```
export JAVA_HOME=/scratch/aime/jdk1.6.0_11
export PATH=/scratch/aime/jdk1.6.0_11/bin:$PATH
```
3. Run the WebLogic Server generic installer to install WebLogic Server with 32-bit JDK:

```
java -jar wls1031_generic.jar
```
4. Install WebCenter with the required 64-bit JDK. Unzip the shiphome and go to Disk1, then invoke runInstaller command with -jreLoc pointing to the 64-bit JDK. For example:

```
./runInstaller -jreLoc /scratch/aime/jdk1.6.0_11/jre
```
5. Run the configuration script to create the WebCenter Domain:

```
$ORACLE_HOME/common/bin/config.sh
```
6. Provide the 32-bit JDK location while running the configuration script. After the domain is configured with 32-bit JDK, no further updates are required.

1.5.3 JMSDELIVERYCOUNT Is Not Set Properly

When using AQ JMS with Oracle Database 11.2.0.1, JMSDELIVERYCOUNT is not set correctly.

The workaround is to apply patch 9932143 to Oracle Database 11.2.0.1. For more information, contact Oracle Support.

1.5.4 Viewer Plugin Required On Safari 4 To View Raw XML Source

You need a Safari plugin to view raw XML. If there is no plugin installed, you will see unformatted XML which will be difficult to read. This is because Safari applies a default stylesheet, which only displays the text nodes in the XML document.

As a workaround, go to **View > View Source** in the Safari menu bar to see the full XML of the metadata document. Also, selecting **File > Save** and choosing **XML Files** as the file type, will correctly save the XML metadata file with all the markup intact.

1.6 Downloading and Applying Required Patches

After you install and configure Oracle Fusion Middleware 11g Release 1 (11.1.1.4.0), there might be cases where additional patches are required to address specific known issues.

Complete the following steps to obtain a patch:

1. Log into the My Oracle Support web site at <https://myoraclesupport.com/>.
2. Click the Patches & Updates tab.
3. Use the Patch Search area to locate patches.
4. On the Patch Search Results page, select a patch and click Download to download the patch.
5. Install the patch by following the instructions in the README file that is included with the patch.

Table 1–1 lists some of the specific Oracle Fusion Middleware patches that were available at the time these release notes were published.

For additional patching information, see Section 3.1.1, "Patches Required to Address Specific Upgrade and Compatibility Requirements".

Table 1–1 Patches Required to Fix Specific Issues with Oracle Fusion Middleware 11g

Oracle Fusion Middleware Product or Component	Bug/Patch Number	Description
Oracle SOA Suite - Oracle BPM Worklist application	9901600	Unless you apply this patch, errors appear in the log files when you access the Event Driven page in the Oracle Business Process Management Worklist application.
Oracle XDK for Java	10337609	This patch fixes the following issue. If you use the XSU utility to insert some data into the database, and the database connection had the connection property called <code>oracle.jdbc.J2EE13Compliant</code> set to "true", and the target column was some kind of numeric column, then it is possible for the insert to fail with a the following error: <code>java.lang.NumberFormatException</code>

1.7 Licensing Information

Licensing information for Oracle Fusion Middleware is available at:

<http://oraclestore.oracle.com>

Detailed information regarding license compliance for Oracle Fusion Middleware is available at:

<http://www.oracle.com/technetwork/middleware/ias/overview/index.html>

Installation, Patching, and Configuration

This chapter describes issues associated with Oracle Fusion Middleware installation, patching, and configuration. It includes the following topics:

- [Section 2.1, "Installation Issues and Workarounds"](#)
- [Section 2.2, "Patching Issues and Workarounds"](#)
- [Section 2.3, "Configuration Issues and Workarounds"](#)
- [Section 2.4, "Known Issues"](#)
- [Section 2.5, "Documentation Errata"](#)

Note: This chapter contains issues you might encounter while installing, patching, or configuring any of the Oracle Fusion Middleware products.

Be sure to review the product-specific release note chapters elsewhere in this document for any additional issues specific to the products you are using.

2.1 Installation Issues and Workarounds

This section describes issue and workarounds related to Oracle Fusion Middleware product installation. It includes the following topics:

- [Section 2.1.1, "Issues Pertaining to Oracle SOA Suite Installation"](#)
- [Section 2.1.2, "Issues Pertaining to Oracle Portal, Forms, Reports and Discoverer Installation"](#)
- [Section 2.1.3, "Issues Pertaining to Oracle Web Tier Installation"](#)
- [Section 2.1.4, "Issues Pertaining to Oracle Identity Management Installation"](#)
- [Section 2.1.5, "Issues Pertaining to JDK and JRE Installation"](#)
- [Section 2.1.6, "Issues Pertaining to Oracle Universal Installer"](#)
- [Section 2.1.7, "Issues Pertaining to Database and Schema Installation"](#)
- [Section 2.1.8, "Error Messages and Exceptions Seen During Installation"](#)
- [Section 2.1.9, "Issues Pertaining to Product Deinstallation"](#)
- [Section 2.1.10, "Installing Oracle Service Registry in the Same Domain as Oracle SOA Suite"](#)
- [Section 2.1.11, "Problems Installing in Thai and Turkish Locales"](#)

- [Section 2.1.12, "Enterprise Manager Configuration Fails with Timezone Error Message"](#)

2.1.1 Issues Pertaining to Oracle SOA Suite Installation

This section contains the following:

- [Section 2.1.1.1, "Installing Oracle SOA Suite on a Dual Stack Host with IPv4"](#)
- [Section 2.1.1.2, "Installing Oracle SOA Suite Release 11.1.1.3.0 in a Turkish Environment"](#)

2.1.1.1 Installing Oracle SOA Suite on a Dual Stack Host with IPv4

If you install Oracle SOA Suite on a dual stack host and the SOA front end URL is only set to IPv4, Oracle BPM Worklist or asynchronous callbacks from IPv6-only clients may have problems resolving IPv4 callback URLs (and vice-versa).

The work around is to use either a split Domain Name System (DNS) or another forward proxy configuration. This enables the IPv6-only client to connect to a dual stack box through its IPv6 interface.

2.1.1.2 Installing Oracle SOA Suite Release 11.1.1.3.0 in a Turkish Environment

If you are installing Oracle SOA Suite Release 11.1.1.3.0 in a Turkish environment, there will be some functionality loss for Oracle Enterprise Manager Fusion Middleware Control.

There is no work around for this issue. Oracle recommends that you avoid installing in a Turkish environment and install in an English environment instead.

2.1.2 Issues Pertaining to Oracle Portal, Forms, Reports and Discoverer Installation

This section contains the following:

- [Section 2.1.2.1, "Oracle Configuration Manager Fails During Domain Configuration of Oracle Portal, Forms, Reports, and Discoverer 11g Release 1 \(11.1.1.7.0\)"](#)
- [Section 2.1.2.2, "Considerations When Installing Oracle Portal 11g"](#)
- [Section 2.1.2.3, "Prerequisite Warnings During Installation"](#)

2.1.2.1 Oracle Configuration Manager Fails During Domain Configuration of Oracle Portal, Forms, Reports, and Discoverer 11g Release 1 (11.1.1.7.0)

After upgrading Oracle Portal, Forms, Reports, and Discoverer to 11g Release 1 (11.1.1.7.0), or after installing Oracle Portal, Forms, Reports, and Discoverer 11g Release 1 (11.1.1.7.0), if you choose to configure Oracle Configuration Manager during domain configuration, the configuring Oracle Configuration Manager fails.

The workaround for this issue is as follows:

1. Navigate to the following location on your system:

```
ORACLE_HOME/ccr/bin
```

2. Run the following commands in the Oracle Instance home:

```
$ setupCCR  
$ configCCR  
$ emCCR collect  
$ emCCR status
```

Note: You can choose to skip configuring Oracle Configuration Manager when you initially run the 11g Release 1 (11.1.1.7.0) configuration wizard.

To configure Oracle Configuration Manager after configuring the domain, do the following:

1. Navigate to the `ORACLE_HOME/ocr/bin` directory on your system.
2. Set the variable `ORACLE_CONFIG_HOME` in your Oracle Instance home directory.
3. Run the following commands:

```
$ setupCCR
$ configCCR
$ emCCR collect
$ emCCR status
```

2.1.2.2 Considerations When Installing Oracle Portal 11g

Before you install a new Oracle Portal, Forms, Reports, and Discoverer 11g environment, be sure to review the following important resources:

- *Oracle Fusion Middleware Installation Guide for Oracle Portal, Forms, Reports and Discoverer*
- My Oracle Support document ID 1364497.1

2.1.2.3 Prerequisite Warnings During Installation

Vendor release updates cumulative patches and/or packages that may supersede our listed Oracle Fusion Middleware 11g Release 1 prerequisites for platforms. As long as vendor approved patches and/or packages are installed, the prerequisite warnings could be ignored and the installation completed.

Another option is to use `-ignoreSysPreReqs` command line additional argument to the `runInstaller` as:

```
$ Mount_Point/runInstaller -ignoreSysPreReqs other required install options
```

2.1.3 Issues Pertaining to Oracle Web Tier Installation

This section contains the following:

- [Section 2.1.3.1, "Oracle SOA Suite and Oracle Application Developer Must Be Installed Before Oracle Web Tier"](#)
- [Section 2.1.3.2, "Oracle Web Tier Silent Install Requires Oracle Web Cache Component Name"](#)

2.1.3.1 Oracle SOA Suite and Oracle Application Developer Must Be Installed Before Oracle Web Tier

To ensure that the `oracle_common/soa/modules/commons-cli-1.1.jar` file is installed properly, if you plan to associate Oracle Web Tier with an existing domain, you must install Oracle Web Tier after all other products are installed.

2.1.3.2 Oracle Web Tier Silent Install Requires Oracle Web Cache Component Name

If you are performing a silent Oracle Web Tier installation for Oracle HTTP Server, an Oracle Web Cache component name (`WEBCACHE_COMPONENT_NAME` parameter) must also be mentioned in the response file, even though Oracle Web Cache is not required for Oracle HTTP Server installation. Even though both component names are provided, as long as `CONFIGURE_WEBCACHE` is set to `false` then only Oracle HTTP Server will be installed and configured.

There is no work around for this issue.

2.1.4 Issues Pertaining to Oracle Identity Management Installation

This section contains the following:

Note: For 11g Release 1 (11.1.1.6.0) installation release notes, refer to the following links:

- [Oracle Fusion Middleware Release Notes 11g Release 1 \(11.1.1\) for Linux x86](#)
 - [Oracle Fusion Middleware Release Notes 11g Release 1 \(11.1.1\) for Microsoft Windows \(32-Bit\)](#)
-
-

- [Section 2.1.4.1, "WebLogic Administration Server Must Be Running When Extending Oracle Identity Management Domains"](#)
- [Section 2.1.4.2, "Extending the Schema in Oracle Internet Directory"](#)
- [Section 2.1.4.3, "Deinstalling a 11g \(11.1.1.7.0\) Oracle Internet Directory Instance Does Not Clean Up the OID Schema"](#)
- [Section 2.1.4.4, "Information about the Oracle Virtual Directory Adapters"](#)
- [Section 2.1.4.5, "Enabling the Retry Button"](#)
- [Section 2.1.4.6, "Server Startup Failures on Linux Operating Systems"](#)
- [Section 2.1.4.7, "Configuring OPMN Request Port"](#)
- [Section 2.1.4.8, "Silent Install with Privileged Ports on Linux Operating Systems"](#)

2.1.4.1 WebLogic Administration Server Must Be Running When Extending Oracle Identity Management Domains

When you install Oracle Identity Management, you have several options for choosing how the Oracle Identity Management components are installed in relation to an Oracle WebLogic Server administration domain. If you select the **Extend Existing Domain** option on the installer's Select Domain screen, Oracle Identity Management components are installed in an existing Oracle WebLogic Server administration domain.

To install Oracle Identity Management components in an existing administration domain using the **Extend Existing Domain** option, the Oracle WebLogic Administration Server instance must be running.

2.1.4.2 Extending the Schema in Oracle Internet Directory

If you have Oracle Identity Manager 11g Release 1 (11.1.1.7.0) against Oracle Internet Directory release prior to Oracle Internet Directory 11g Release 1 (11.1.1.6.0) through

libOVD 11g Release 1 (11.1.1.7.0) (with `oamEnabled` set to `true` and `LDAPSync` enabled), when you try to create a new user, the following error is displayed:

```
javax.naming.directory.SchemaViolationException:[LDAP: error code 65 -Failed to
find orclpwdexpirationdate in mandatory or optional attribute list.
]
```

Workaround:

You need to extend the schema in Oracle Internet Directory that you have installed. To change the backend IDStore schema, do the following:

1. Create a new attribute.

```
attributetypes: ( 2.16.840.1.113894.200.1.7 NAME 'orclPwdExpirationDate'
EQUALITY caseIgnoreMatch SYNTAX '1.3.6.1.4.1.1466.115.121.1.15' SINGLE-VALUE
USAGE userApplications).
```

2. Modify the existing `orclIDXPerson` objectclass to include `orclPwdExpirationDate` as an optional attribute.

Note: You can use Oracle Directory Services Manager to connect to Oracle Internet Directory and make the schema changes.

2.1.4.3 Deinstalling a 11g (11.1.1.7.0) Oracle Internet Directory Instance Does Not Clean Up the OID Schema

When deinstalling a configured Oracle Internet Directory instance from Oracle Identity Management 11g (11.1.1.7.0) the file-based instance directory is removed, but the related Oracle Internet Directory instance configuration is not deleted. Hence, any future configuration adds to the instance count by including the deleted instances.

The following logic is missing from the command to remove a OID instance:

```
ldapdelete -p <oid ldap port> -D cn=orcladmin -w <password> "cn=<OID
instance name as defined in the ODS
schema>,cn=osdldapd,cn=subconfigsentry"
```

Workaround:

After deleting an instance and before recreating the instance run the command:

```
ldapdelete -p <oid ldap port> -D cn=orcladmin -w <password> "cn=<OID
instance name as defined in the ODS schema>,cn=osdldapd,cn=subconfigsentry"
```

2.1.4.4 Information about the Oracle Virtual Directory Adapters

Oracle Virtual Directory adapters are not listed in the Home page.

To work around this issue on Linux operating systems, copy the `osdt_cert.jar` file from the Oracle Common home to the directory under `ORACLE_HOME/inventory/Scripts/ext/lib/Oracle_IDM1`.

To work around this issue on Windows operating systems, copy the `jar` prior to the configuration phase because it does not work if you copy it later.

2.1.4.5 Enabling the Retry Button

To retry a failed Oracle Identity Management configuration you must enable the **Retry** button. Check the box on the left side of the failed item to enable the **Retry** button.

2.1.4.6 Server Startup Failures on Linux Operating Systems

When starting the Oracle Identity Management server (Managed server or Administration server), the server may fail to start. You may see the following error:

```
Failed to push ldap config data to
libOvd for service instance "idstore.ldap" in JPS context "default", cause:
java.io.FileNotFoundException: /tmp/.ovdlock.tmp (Permission denied)>
```

To work around this issue, run the following command and then start the server again:

```
chmod 666 /tmp/.ovdlock.tmp
```

2.1.4.7 Configuring OPMN Request Port

The `static.ports.ini` for the Oracle Identity Management 11g Release 1 (11.1.1.7.0) installer has an OPMN request port specified. This port is not used in the Oracle Identity Management configuration and does not serve any specific functional purpose.

To configure the port you have to manually add the entry to `opmn.xml` after the Oracle instance is provisioned.

2.1.4.8 Silent Install with Privileged Ports on Linux Operating Systems

To install and configure privileged ports in silent mode on Linux operating systems, do the following:

1. Complete only a silent install with Oracle Identity Management 11g Release 1 (11.1.1.7.0).
2. Run the `oracleroot.sh` and `oidroot.sh` scripts in the Oracle home.
You must run these scripts as root user.
3. Change `.apachectl` permissions.

Run the following as root user:

```
/bin/chown root /$OH/ohs/bin/.apachectl
/bin/chmod 6750 /$OH/ohs/bin/.apachectl
```

4. Complete a silent configuration with the privileged ports.

2.1.5 Issues Pertaining to JDK and JRE Installation

This section contains the following:

- [Section 2.1.5.1, "Specifying the JRE Location if Installing with Automatic Updates"](#)
- [Section 2.1.5.2, "Out of Memory Errors When Using JDK 6 Update 23"](#)

2.1.5.1 Specifying the JRE Location if Installing with Automatic Updates

If you are installing one of the following Oracle Fusion Middleware products:

- Oracle SOA Suite
- Oracle WebCenter Portal
- Oracle Service Bus
- Oracle WebCenter Content
- Oracle Data Integrator

- Oracle Identity and Access Management

And you will choose to configure automatic updates on the Install Software Updates screen by selecting **Download and install updates from My Oracle Support** you must specify the location of a JRE on your system by using the `-jreLoc` parameter from the command line when you start the installer.

If you do not use the `-jreLoc` parameter and instead wait for the installer to prompt you for a JRE location, an exception will be seen during the installation.

2.1.5.2 Out of Memory Errors When Using JDK 6 Update 23

If you are experiencing out-of-memory errors when using JDK 6 Update 23, consider the following.

In JDK 6 Update 23, the escape analysis feature was enabled by default. This is an optimization within the hotspot compiler, which may require an increased memory footprint. When there is very little free space in the process for additional native memory allocations, for example due to a very large Java heap, this could lead to an out of memory situation.

The workaround for this issue is to add the following JVM argument when you start your application:

```
-XX:-DoEscapeAnalysis
```

You can identify JDK 6 Update 23 by using the `java -version` command, as follows:

```
java -version
java version "1.6.0_24"
Java(TM) SE Runtime Environment (build 1.6.0_24-b50)
Java HotSpot(TM) Server VM (build 19.1-b02, mixed mode)
```

2.1.6 Issues Pertaining to Oracle Universal Installer

This section contains the following:

- [Section 2.1.6.1, "Installer Produces Errors When Checking for Software Updates on My Oracle Support"](#)

2.1.6.1 Installer Produces Errors When Checking for Software Updates on My Oracle Support

On the Install Software Updates screen, if you select the **Search My Oracle Support for Updates** option, provide the proper user credentials, and then click **Search for Updates**, the following error is seen in the installation log file:

```
java.net.NoRouteToHostException: No route to host
```

The work around is to use the **Search Local Directory for Updates** option on the Install Software Update screen and select a patch that has already been downloaded and is available locally. Patches can be downloaded manually from My Oracle Support or they can be obtained from your Oracle Support representative.

2.1.7 Issues Pertaining to Database and Schema Installation

This section contains the following:

- [Section 2.1.7.1, "Error Encountered While Loading the Oracle Internet Directory \(ODS\) Schema"](#)

- [Section 2.1.7.2, "Setting the Correct Permission for the DBMS_REPUTIL Database Package"](#)
- [Section 2.1.7.3, "Setting the Correct Permission for the DBMS_JOB Database Package"](#)
- [Section 2.1.7.4, "Database Connection Failure During Schema Creation When Installing Oracle Internet Directory"](#)
- [Section 2.1.7.5, "Using RCU 11g Release 1 \(11.1.1.1.0\) with Oracle Database 11g \(11.2.0.1\)"](#)

2.1.7.1 Error Encountered While Loading the Oracle Internet Directory (ODS) Schema

If you have password policy enabled at the database level on your Oracle database, you will receive the ORA-28003 error when loading the Oracle Internet Directory (ODS) schema.

To work around this issue, temporarily disable password policy, load the schema, then enable password policy again.

2.1.7.2 Setting the Correct Permission for the DBMS_REPUTIL Database Package

If you are creating the Oracle Internet Directory schemas in Oracle Database version 11.2.0.4 or later, use the following work around if you encounter an error from RCU:

1. Connect to the database as administrator and execute the following:

```
GRANT EXECUTE ON DBMS_REPUTIL TO PUBLIC;
```

2. Re-start RCU and create the schema.
3. After the schema is successfully created, connect to the database again as administrator and execute the following:

```
REVOKE EXECUTE ON DBMS_REPUTIL FROM PUBLIC;
```

2.1.7.3 Setting the Correct Permission for the DBMS_JOB Database Package

If you are creating the Oracle Internet Directory schema in an Oracle database using RCU, you may encounter the following error messages:

```
ORA-04063: package body "ODS.TSPURGE" has errors  
ORA-06508: PL/SQL: could not find program unit being called: "ODS.TSPURGE"  
ORA-06512: at line 3
```

To work around this issue:

1. Stop RCU and drop any Oracle Internet Directory schemas already created. Refer to "Dropping Schemas" in *Oracle Fusion Middleware Repository Creation Utility User's Guide* for instructions.
2. Log into the database using SQL*Plus and run the following command:

```
SQL> grant execute on sys.dbms_job to PUBLIC
```

3. Run RCU again and create the schemas.

2.1.7.4 Database Connection Failure During Schema Creation When Installing Oracle Internet Directory

If the installation of Oracle Internet Directory fails due to timeout or connection failure when connecting to a database for schema creation, you can try to reset the timeout

parameter in the `rcu.properties` file. This file is located in the `IDM_HOME/rcu/config` directory.

Open the `rcu.properties` file in a text editor, search for the property `JDBC_LOGIN_TIMEOUT`, and set its value to 30.

2.1.7.5 Using RCU 11g Release 1 (11.1.1.1.0) with Oracle Database 11g (11.2.0.1)

If you are using the version of RCU that is available in Oracle Fusion Middleware 11g Release 1 (11.1.1.1.0) with Oracle Database 11g (11.2.0.1), you will receive the following warning message:

The database you are connecting is not a supported version. Enter Database with version equal to or higher than 10.2.0.4.0 in 10g or version equal to higher than 11.1.0.7.0 in 11g. Refer to the certification matrix for supported DB versions.

This warning can be safely ignored and you can proceed with your RCU operations.

This warning will not appear in the version of RCU available in Oracle Fusion Middleware 11g Release 1 (11.1.1.2.0) or later.

2.1.8 Error Messages and Exceptions Seen During Installation

This section contains the following:

- [Section 2.1.8.1, "JRF Startup Class Exceptions May Appear in Oracle WebLogic Managed Server Logs After Extending Oracle Identity Management Domain"](#)
- [Section 2.1.8.2, "Sun JDK and Oracle Configuration Manager Failures in the Installation Log File"](#)

2.1.8.1 JRF Startup Class Exceptions May Appear in Oracle WebLogic Managed Server Logs After Extending Oracle Identity Management Domain

After extending an Oracle Identity Management domain, you may see exception messages related to JRF Startup Class in the managed server log files. For example:

```
Failed to invoke startup class "JRF Startup Class",
oracle.jrf.PortabilityLayerException: Fail to retrieve the property for the Common
Components Home.
oracle.jrf.PortabilityLayerException: Fail to retrieve the property for the Common
Components Home.
```

You can safely ignore these exception messages—there is no loss in functionality.

2.1.8.2 Sun JDK and Oracle Configuration Manager Failures in the Installation Log File

Upon completing of an Oracle Web Tier, Oracle Identity Management, or Oracle Portal, Forms, Reports and Discoverer installation, the following errors may be seen in the `installtime_and_date.log` file:

```
[2009-11-04T21:15:13.959-06:00] [OUI] [NOTIFICATION] [] [OUI] [tid: 16]
[ecid: 0000IJ2LeAeFs1ALJa5Eif1Aw^9l000007,0] OUI-10080:The pre-requisite for
the component Sun JDK 1.6.0.14.08 has failed.
```

```
[2009-11-04T21:15:13.960-06:00] [OUI] [NOTIFICATION] [] [OUI] [tid: 16]
[ecid: 0000IJ2LeAeFs1ALJa5Eif1Aw^9l000007,0] OUI-10080:The pre-requisite for
the component Oracle Configuration Manager 10.3.1.2.0 has failed.
```

These messages occur because the Sun JDK and Oracle Configuration Manager are not installed in the `oracle_common` directory. You can safely ignore these messages.

2.1.9 Issues Pertaining to Product Deinstallation

This section contains the following:

- [Section 2.1.9.1, "Proper Deinstallation for Reinstallation in the Event of a Failed Installation"](#)
- [Section 2.1.9.2, "Deinstallation Does Not Remove WebLogic Domains"](#)

2.1.9.1 Proper Deinstallation for Reinstallation in the Event of a Failed Installation

In the event that an installation fails, and you want to deinstall the failed installation and then reinstall the software to the same location, you must do the following:

1. Make sure that all the managed servers in the failed installation are shut down. You must verify this in the Administration Console; the word "SHUTDOWN" must appear next to the managed server name.
2. Deinstall the binaries in the Oracle home directory using the deinstaller in the `ORACLE_HOME/oui/bin` directory.
3. Delete all the managed servers from the failed installation in the `config.xml` file by using the Administration Console or WLST.
4. Delete all directories in the `DOMAIN_HOME/servers` directory:

This procedure will enable you to reinstall the software to the same location, using the same managed server names.

2.1.9.2 Deinstallation Does Not Remove WebLogic Domains

There may be certain scenarios where you will need to remove WebLogic Domains that you have created. The Oracle Universal Installer is used to remove Oracle Instances and Oracle home directories only; it does not remove WebLogic Domains.

If you need to remove a WebLogic Domain, you must do so manually. Please refer to your Oracle WebLogic Server documentation for more information.

2.1.10 Installing Oracle Service Registry in the Same Domain as Oracle SOA Suite

When installing Oracle Service Registry 11g in the same Weblogic Domain as Oracle SOA Suite 11g Release 11.1.1.2.0 or Release 11.1.1.3.0, you may see the following error message on the WebLogic Server console when Oracle Service Registry is starting up:

```
java.lang.LinkageError: loader constraint violation in interface itable
initialization:....
```

To work around this issue:

1. Make sure Oracle Service Registry is installed on a different Managed Server from Oracle SOA Suite.
2. Download patch 9499508 and follow the instructions in the README file included with the patch:
 - a. Go to My Oracle Support.
<http://support.oracle.com>
 - b. Click on the **Patches & Updates** tab.

- c. In the Patch Search area, search for patch 9499508.
 - d. Download the patch.
3. Edit the `setDomainEnv.sh` file and, for Oracle Service Registry Server, remove `fabric.jar` from classpath:

```
if [ "${SERVER_NAME}" != "osr_server1" ] ; then
POST_CLASSPATH="${SOA_ORACLE_HOME}/soa/modules/oracle.soa.fabric_
11.1.1/oracle.soa.fabric.jar
${CLASSPATHSEP}${SOA_ORACLE_HOME}/soa/modules/oracle.soa.adapter_
11.1.1/oracle.soa.adapter.jar
${CLASSPATHSEP}${SOA_ORACLE_HOME}/soa/modules/oracle.soa.b2b_
11.1.1/oracle.soa.b2b.jar
${CLASSPATHSEP}${POST_CLASSPATH} "
else
POST_CLASSPATH="${SOA_ORACLE_HOME}/soa/modules/oracle.soa.adapter_
11.1.1/oracle.soa.adapter.jar
${CLASSPATHSEP}${SOA_ORACLE_HOME}/soa/modules/oracle.soa.b2b_
11.1.1/oracle.soa.b2b.jar
${CLASSPATHSEP}${POST_CLASSPATH} "
fi
```

When installing Oracle Service Registry 11g in the same Weblogic Domain as Oracle SOA Suite 11g Release 11.1.1.3.0, you may see the following error message when accessing the Oracle Service Registry console:

```
ClassCastException
java.lang.ClassCastException:org.systinet.uddi.client.serialization.UDDIFaultSeriali
zizer
```

To work around this error, edit the `setDomainEnv.sh` file and remove `oracle.soa.fabric.jar` from the classpath when running the Oracle Service Registry Managed Server. To do this:

1. Make a backup of the `MW_HOME/user_projects/domains/soa_domain_name/bin/setDomainEnv.sh` file.
2. Edit the `setDomainEnv.sh` file and replace the following line:

```
POST_CLASSPATH="${SOA_ORACLE_HOME}/soa/modules/oracle.soa.fabric_
11.1.1/oracle.soa.fabric.jar
${CLASSPATHSEP}${SOA_ORACLE_HOME}/soa/modules/oracle.soa.adapter_
11.1.1/oracle.soa.adapter.jar
${CLASSPATHSEP}${SOA_ORACLE_HOME}/soa/modules/oracle.soa.b2b_
11.1.1/oracle.soa.b2b.jar
${CLASSPATHSEP}${POST_CLASSPATH} "
```

with the following:

```
if [ "${SERVER_NAME}" != "<your_osr_server_name>" ] ;
then
POST_CLASSPATH="${SOA_ORACLE_HOME}/soa/modules/oracle.soa.fabric_
11.1.1/oracle.soa.fabric.jar
${CLASSPATHSEP}${SOA_ORACLE_HOME}/soa/modules/oracle.soa.adapter_
11.1.1/oracle.soa.adapter.jar
${CLASSPATHSEP}${SOA_ORACLE_HOME}/soa/modules/oracle.soa.b2b_
11.1.1/oracle.soa.b2b.jar
${CLASSPATHSEP}${POST_CLASSPATH} "
else
POST_CLASSPATH="${SOA_ORACLE_HOME}/soa/modules/oracle.soa.adapter_
11.1.1/oracle.soa.adapter.jar
${CLASSPATHSEP}${SOA_ORACLE_HOME}/soa/modules/oracle.soa.b2b_
```

```
11.1.1/oracle.soa.b2b.jar
${CLASSPATHSEP}${POST_CLASSPATH} "
fi
```

3. Restart the Oracle Service Registry Managed Server.

If you have multiple Oracle Service Registry Managed Servers in the domain, each Managed Server must be added to the condition. For example, if you have two Oracle Service Registry Managed Servers named WLS_OSR1 and WLS_OSR2:

```
case "$SERVER_NAME" in
.
'WLS_OSR1')
.
echo "Setting WLS_OSR1 CLASSPATH..."

POST_CLASSPATH="${SOA_ORACLE_HOME}/soa/modules/oracle.soa.adapter_
11.1.1/oracle.soa.adapter.jar
${CLASSPATHSEP}${SOA_ORACLE_HOME}/soa/modules/oracle.soa.b2b_
11.1.1/oracle.soa.b2b.jar
${CLASSPATHSEP}${POST_CLASSPATH} "
exit;;

.
'WLS_OSR2')
.
echo "Setting WLS_OSR2 CLASSPATH..."

POST_CLASSPATH="${SOA_ORACLE_HOME}/soa/modules/oracle.soa.adapter_
11.1.1/oracle.soa.adapter.jar
${CLASSPATHSEP}${SOA_ORACLE_HOME}/soa/modules/oracle.soa.b2b_
11.1.1/oracle.soa.b2b.jar
${CLASSPATHSEP}${POST_CLASSPATH} "
exit;;

.
*)
.
echo "Setting default SOA CLASSPATH..."

POST_CLASSPATH="${SOA_ORACLE_HOME}/soa/modules/oracle.soa.fabric_
11.1.1/oracle.soa.fabric.jar
${CLASSPATHSEP}${SOA_ORACLE_HOME}/soa/modules/oracle.soa.adapter_
11.1.1/oracle.soa.adapter.jar
${CLASSPATHSEP}${SOA_ORACLE_HOME}/soa/modules/oracle.soa.b2b_
11.1.1/oracle.soa.b2b.jar
${CLASSPATHSEP}${POST_CLASSPATH} "
exit;;

.
esac
```

2.1.11 Problems Installing in Thai and Turkish Locales

Turkish and Thai users are recommended to install and run Oracle Fusion Middleware using the English locale. Oracle Fusion Middleware does support Turkish and Thai locales as clients.

2.1.12 Enterprise Manager Configuration Fails with Timezone Error Message

There is a problem with the timezone detection algorithm on some versions of Windows. When the database is installed on some systems that have a fresh

installation of Windows, the configuration of Enterprise Manager fails with a message that indicates that an "America/Rio_Branco" timezone has been detected.

The work around is to reset the timezone to the desired value, then re-install your Oracle Fusion Middleware product.

2.2 Patching Issues and Workarounds

This section describes issue and workarounds related to Oracle Fusion Middleware product patching. It includes the following topics:

- [Section 2.2.1, "Applications Will Not Start After WebLogic Server is Updated"](#)
- [Section 2.2.2, "Issues Pertaining to Patching Oracle SOA Suite"](#)
- [Section 2.2.3, "Issues Pertaining to Patching Oracle WebCenter Portal"](#)
- [Section 2.2.4, "Issues Pertaining to Patching Oracle Identity Management"](#)
- [Section 2.2.5, "Issues Pertaining to Patching System Components"](#)
- [Section 2.2.6, "Issues Pertaining to Version Numbers After Patching"](#)
- [Section 2.2.7, "Issues Pertaining to Displays During or After Patching"](#)
- [Section 2.2.8, "Warning and Error Messages Seen as a Result of Patching"](#)
- [Section 2.2.9, "Oracle Configuration Manager Fails When Patching Oracle Identity Management and Oracle Web Tier"](#)
- [Section 2.2.10, "Resolving Oracle Service Bus Object Conflicts"](#)
- [Section 2.2.11, "Manual Step for ODI-BAM Users After Installing 11.1.1.4.0 Patch Set"](#)

2.2.1 Applications Will Not Start After WebLogic Server is Updated

After applying the latest patches to Oracle WebLogic Server, the `WL_HOME/server/lib/weblogic.policy` file must be edited to include the following entry in order for Middleware services such as Discoverer, Access Manager, and Identity Manager to start:

```
grant codeBase "file:MW_HOME/WLS/patch_jars/-" {
    permission java.lang.RuntimePermission "oracle.*", "read";
};
```

Replace `MW_HOME` with the location of your Middleware home directory.

Replace WLS with one of the following:

- `patch_wls1034` for WebLogic Server version 10.3.4
- `patch_wls1035` for WebLogic Server version 10.3.5
- `patch_wls1036` for WebLogic Server version 10.3.6

2.2.2 Issues Pertaining to Patching Oracle SOA Suite

This section contains the following:

- [Section 2.2.2.1, "Patch Set Assistant Fails When Updating the SOAINFRA Schema in SQL Server Databases"](#)
- [Section 2.2.2.2, "Exception Seen When Extending Your Existing Oracle SOA Suite Domain with Oracle Business Process Management Suite"](#)

- [Section 2.2.2.3, "Exception Seen When Undeploying any SOA Composite with Range-Based Dimension Business Indicators"](#)
- [Section 2.2.2.4, "Running Oracle Business Process Management Suite with Microsoft SQL Server 2008 Database"](#)
- [Section 2.2.2.5, "Update to Oracle SOA Suite Release 11.1.1.3.0 Does Not Remove the b2b.r1ps1 Property"](#)
- [Section 2.2.2.6, "Manual Steps for Migrating Oracle UMS and Oracle MDS"](#)
- [Section 2.2.2.7, "Monitored BPEL Processes Generate Warning Messages in Log File After Applying 11g Release 1 \(11.1.1.4.0\) Patch Set"](#)
- [Section 2.2.2.8, "Oracle Rules Error in Administration Server Log Files After Patching an 11g Release 1 \(11.1.1.2.0\) Domain"](#)
- [Section 2.2.2.9, "Incorrect Instance State of Composite Applications After Applying the Latest Patch Set"](#)

2.2.2.1 Patch Set Assistant Fails When Updating the SOAINFRA Schema in SQL Server Databases

If you attempt to update the SOAINFRA schema in a Microsoft SQL Server database, then the Fusion Middleware Patch Set Assistant fails to complete the operation. This is a known issue with no current workaround. Contact Oracle Support or refer to My Oracle Support for more information:

<http://support.oracle.com/>

2.2.2.2 Exception Seen When Extending Your Existing Oracle SOA Suite Domain with Oracle Business Process Management Suite

The following intermittent exception may be seen in cases where you have upgraded your Oracle SOA Suite software to release 11.1.1.3.0 with the Patch Set Installer, and are extending your existing domain to include Oracle Business Process Management Suite:

```
javax.ejb.EJBTransactionRolledbackException: EJB Exception: ; nested exception
is: javax.persistence.PersistenceException: Exception
[EclipseLink-4002] (Eclipse Persistence Services - 2.0.2.v20100323-r6872):
org.eclipse.persistence.exceptions.DatabaseException
Internal Exception: java.sql.SQLIntegrityConstraintViolationException:
ORA-02292: integrity constraint (DB9128_SOAINFRA.BPM_CUBE_ROLE_FK1) violated -
child record found.
Error Code: 2292
Call: DELETE FROM BPM_CUBE_PROCESS WHERE (PROCESSID = ?)
      bind => [247]
Query: DeleteObjectQuery(CubeProcess(domain:default, composite:counter_extended,
revision:1.0, name:Process, hasNametab:true));
nested exception is: javax.persistence.PersistenceException: Exception
[EclipseLink-4002] (Eclipse Persistence Services - 2.0.2.v20100323-r6872):
org.eclipse.persistence.exceptions.DatabaseException
Internal Exception: java.sql.SQLIntegrityConstraintViolationException:
ORA-02292: integrity constraint (DB9128_SOAINFRA.BPM_CUBE_ROLE_FK1) violated -
child record found
```

This is a harmless exception. To avoid seeing this exception, do the following:

1. Connect to your database as the SOA schema user.
2. Drop the BPM_CUBE_ROLE_FK1 constraint by executing the following:

```
ALTER TABLE BPM_CUBE_ROLE DROP CONSTRAINT BPM_CUBE_ROLE_FK1;
```

3. Recreate the BPM_CUBE_ROLE_FK1 constraint by executing the following:

```
ALTER TABLE BPM_CUBE_ROLE ADD CONSTRAINT BPM_CUBE_ROLE_FK1 FOREIGN KEY @
(ProcessId) REFERENCES BPM_CUBE_PROCESS(ProcessId) ON DELETE CASCADE;
```

4. Restart the Oracle SOA Managed Server.

2.2.2.3 Exception Seen When Undeploying any SOA Composite with Range-Based Dimension Business Indicators

The following intermittent exception may be seen in cases where you have upgraded your Oracle SOA Suite software to release 11.1.1.3.0 with the Patch Set Installer, and have undeployed SOA composites that have range-based dimension business indicators:

```
javax.ejb.EJBTransactionRolledbackException: EJB Exception: ; nested
exception is: javax.persistence.PersistenceException: Exception
[EclipseLink-4002] (Eclipse Persistence Services - 2.0.2.v20100323-r6872):
org.eclipse.persistence.exceptions.DatabaseException
Internal Exception: java.sql.SQLIntegrityConstraintViolationException:
ORA-02292: integrity constraint (DB9967_SOAINFRA.BPM_CUBE_NAMETAB_RANGE_FK1)
violated - child record found
```

Error Code: 2292

```
Call: DELETE FROM BPM_CUBE_NAMETAB WHERE ((EXTENSIONID = ?) AND (NAMETABID =
?))
```

```
bind => [0, 603]
```

Query:

```
DeleteObjectQuery(oracle.bpm.analytics.cube.persistence.model.CubeNametab@b7b8
2a); nested exception is: javax.persistence.PersistenceException: Exception
[EclipseLink-4002] (Eclipse Persistence Services - 2.0.2.v20100323-r6872):
org.eclipse.persistence.exceptions.DatabaseException
Internal Exception: java.sql.SQLIntegrityConstraintViolationException:
ORA-02292: integrity constraint (DB9967_SOAINFRA.BPM_CUBE_NAMETAB_RANGE_FK1)
violated - child record found
```

This exception is harmless and can be safely ignored. To avoid seeing this exception, do the following:

1. Connect to your database as the SOA schema user.
2. Drop the BPM_CUBE_NAMETAB_RANGE_FK1 constraint by executing the following:

```
ALTER TABLE BPM_CUBE_NAMETAB_RANGE DROP CONSTRAINT BPM_CUBE_NAMETAB_RANGE_FK1;
```

3. Recreate the BPM_CUBE_NAMETAB_RANGE_FK1 constraint by executing the following:

```
ALTER TABLE BPM_CUBE_NAMETAB_RANGE ADD CONSTRAINT BPM_CUBE_NAMETAB_RANGE_FK1
FOREIGN KEY @ (ProcessId, NametabId, ExtensionId) REFERENCES
BPM_CUBE_NAMETAB (ProcessId, NametabId, ExtensionId) ON DELETE CASCADE;
```

4. Restart the Oracle SOA Managed Server.

2.2.2.4 Running Oracle Business Process Management Suite with Microsoft SQL Server 2008 Database

If you have patched your existing Oracle SOA Suite installation with the Patch Set Installer to include Oracle Business Process Management Suite and you are using a

Microsoft SQL Server 2008 database, the following procedure is required after you have patched your software:

1. Login to the Administration Console.
2. In the "Connection Pools" tab, add the following property in the "Properties" section for the `mds-owsm` and `mds-soa` data sources:

```
ReportDateTimeTypes=false
```

2.2.2.5 Update to Oracle SOA Suite Release 11.1.1.3.0 Does Not Remove the b2b.r1ps1 Property

After you update your Release 11.1.1.2.0 software to Release 11.1.1.3.0, and login to the Oracle Enterprise Manager Console and navigate to the b2b Properties screen, the `b2b.r1ps1` property (used to enable Release 11.1.1.2.0 features such as DocProvisioning and TransportCallout) is still visible. This property is removed for Release 11.1.1.3.0.

To remove this property, use the MBean browser remove property operation in Fusion Middleware Control. For more information, see "Configuring B2B Operations" in *Oracle Fusion Middleware Administrator's Guide for Oracle SOA Suite and Oracle BPM Suite*.

2.2.2.6 Manual Steps for Migrating Oracle UMS and Oracle MDS

If you migrate your database schemas from Release 11.1.1.1.0 to Release 11.1.1.2.0 with the BAM Alone option:

```
ant master-patch-schema -DpatchMaster.Componentlist=BAM
```

The Oracle BAM server will not start and you will receive UMS and MDS exceptions. After executing above command, if no errors are seen in the log files and if the version in `schema_version_registry` is changed to 11.1.1.2.0 for Oracle BAM, then the following commands must be executed to manually migrate Oracle UMS and MDS:

```
ant master-patch-schema -DpatchMaster.Componentlist=MDS
ant master-patch-schema -DpatchMaster.Componentlist=UMS
```

Then, start the Oracle BAM server after running these commands.

2.2.2.7 Monitored BPEL Processes Generate Warning Messages in Log File After Applying 11g Release 1 (11.1.1.4.0) Patch Set

If you deployed BPEL processes that are instrumented with monitors, then Oracle BAM might generate warning messages in the SOA diagnostic log file after you apply the 11g Release 1 (11.1.1.4.0) patch set.

This is because a new business indicator data object field ("LATEST") was added for Oracle Fusion Middleware 11g Release 1 (11.1.1.4.0).

To avoid the warning message and to take advantage of the new data object field, redeploy the BPEL process after you apply the 11g Release 1 (11.1.1.4.0) patch set.

For more information about the LATEST data object field, see "Understanding Business Indicator Data Objects" in the *Oracle Fusion Middleware Developer's Guide for Oracle SOA Suite*.

2.2.2.8 Oracle Rules Error in Administration Server Log Files After Patching an 11g Release 1 (11.1.1.2.0) Domain

If you are applying the latest Oracle Fusion Middleware 11g patch set to an 11g Release 1 (11.1.1.2.0) Oracle home, then you might see the following error in the Administration Server log files:

```
<Unresolved optional package references (in META-INF/MANIFEST.MF):
[Extension-Name: oracle.rules, referenced from:
/app/orasoa/product/soa11g/middleware/user_projects
/domains/soadev/servers/AdminServer/tmp/_WL_user/ema/xalnv4]
Make sure the referenced optional package has been deployed as a library.>
```

You will see this error if deployed a Oracle SOA Suite composite application to the domain previous to applying the patch set. This because, starting with Oracle Fusion Middleware 11g Release 1 (11.1.1.3.0), the Rules library (`oracle.rules`) must be targeted to the Administration Server, as well as to the SOA managed servers.

To avoid this message:

1. Use the Oracle WebLogic Server Administration Console to select the `oracle.rules` shared library and target it to the Administration Server as well as to the SOA managed servers in the domain.
2. Redeploy the application to the domain using Oracle JDeveloper 11g Release 1 (11.1.1.3.0) or later.

2.2.2.9 Incorrect Instance State of Composite Applications After Applying the Latest Patch Set

If you deployed any composite applications in Oracle SOA Suite 11g Release 1, and then you apply the latest 11g Release 1 patch set, then you might find that the instance state of some of your composite applications appears incorrect.

For example, if any of your composite applications were in a "recovery required" state before you applied the patch set, then those composite applications may be identified as completed when you view them on the Dashboard tab of the SOA Composite page in Fusion Middleware Control.

In these cases, you can ignore the "completed" indicator. The instances are actually still running and will be treated as such by other operations, such as a purge operation.

After you install the patch set, you should analyze each of these instances to determine whether they should be completed, aborted, or left to continue.

For more information about monitoring the state of SOA Composite applications, see "Monitoring SOA Composite Applications" in the *Oracle Fusion Middleware Administrator's Guide for Oracle SOA Suite and Oracle BPM Suite*.

2.2.3 Issues Pertaining to Patching Oracle WebCenter Portal

This section contains the following:

- [Section 2.2.3.1, "Problem Using WebCenter Portal: Spaces Customizations with .jsp Pages after Installing the 11.1.1.7.0 Patch Set"](#)
- [Section 2.2.3.2, "Errors When Updating Oracle WebCenter Portal Using WLST Commands"](#)
- [Section 2.2.3.3, "Errors When Adding Tagging and Search Task Flows to Pages"](#)
- [Section 2.2.3.4, "Personalization Settings in Activity Graph Task Flows Lost When WebCenter Portal is Patched"](#)

- [Section 2.2.3.5, "Language Not Displayed in the List of Languages Offered in Spaces"](#)

2.2.3.1 Problem Using WebCenter Portal: Spaces Customizations with .jsp Pages after Installing the 11.1.1.7.0 Patch Set

If you extended WebCenter Portal: Spaces 11g Release 1 (11.1.1.2.0) or Release 1 (11.1.1.3.0) with your own customizations, then before you upgrade, you must ensure that the customization shared library uses `.jspx` pages and not `.jsp` pages.

After you upgrade to WebCenter Portal: Spaces 11.1.1.7.0, custom site templates will not render if they use `.jsp` pages.

Note that if you followed the white paper *Customizing Site Templates in WebCenter Spaces* to develop your custom site templates, then your pages should already be `.jspx` pages.

2.2.3.2 Errors When Updating Oracle WebCenter Portal Using WLST Commands

If you are updating Oracle WebCenter Portal using WLST commands, you may see some error messages as described in this section. These errors can be safely ignored provided that when the command completes there is some text indicating the successful completion of the command.

When running the `upgradeWebCenterDomain` WLST command, you may see the following error message:

```
Error: addTemplate() failed. Do dumpStack() to see details.
```

When running the `upgradeWebCenterPermissions` command, you may see the following error message:

```
Command FAILED, Reason: JPS-04204: Cannot revoke permissions.
```

2.2.3.3 Errors When Adding Tagging and Search Task Flows to Pages

In your Oracle WebCenter 11.1.1.4.0 instance if you used a resource catalog based on the Default Page Template Catalog, then in your patched WebCenter Portal 11.1.1.7.0 instance you may encounter problems while adding the Tagging and Search task flows to pages. To address this issue, in your patched instance, you must edit your resource catalog, and add the Tagging and Search task flows again.

2.2.3.4 Personalization Settings in Activity Graph Task Flows Lost When WebCenter Portal is Patched

Personalization settings made for Activity Graph task flows, such as Similar Items and Recommended Connections, may be lost and task flows may revert to default settings when you patch WebCenter Portal to the latest release. You must make all the personalization settings again for your Activity Graph task flows as required.

2.2.3.5 Language Not Displayed in the List of Languages Offered in Spaces

If you extended the Spaces application to add support for a new language, you may encounter problems working with the language after you patch to WebCenter Portal 11.1.1.7.0. The language may not display in the default list of languages offered in Spaces. To resolve this issue, you must re-upload the `supported-languages.xml` file containing the entry for the required language.

2.2.4 Issues Pertaining to Patching Oracle Identity Management

This section contains the following:

- Section 2.2.4.1, "Access Denied When Running the oimPS1PS2upgrade Script"
- Section 2.2.4.2, "Installer Prompts for OID Privileged Ports Twice During the Patch Installation"
- Section 2.2.4.3, "Installer Does Not Detect Existing Oracle Home"
- Section 2.2.4.4, "Uploading Third Party JAR Files to the Database"
- Section 2.2.4.5, "Access Policy With Approval Does Not Work After Patch"
- Section 2.2.4.6, "OID and OVD Saved Connections Not Available After Patch From 11g Release 1 (11.1.1.2.0) or 11g Release 1 (11.1.1.3.0)"
- Section 2.2.4.7, "Harmless Error When Running the upgradeOpss() Command When Upgrading Oracle Identity Management"
- Section 2.2.4.8, "Harmless Errors in the Log Files After Patching Oracle Identity Management to 11g Release 1 (11.1.1.4.0)"
- Section 2.2.4.9, "Harmless Warning Message When Migrating Oracle Identity Federation from 11g Release 1 (11.1.1.1.0) to 11g Release 1 (11.1.1.2.0)"
- Section 2.2.4.10, "Harmless Errors Logged When Patching Oracle Identity Management 11g Release 1 (11.1.1.2.0) to 11g Release 1 (11.1.1.3.0)"
- Section 2.2.4.11, "Harmless Exception Seen When Starting Oracle Identity Management Server 11g Release 1 (11.1.1.5.0)"

2.2.4.1 Access Denied When Running the oimPS1PS2upgrade Script

If you are upgrading Oracle Identity Management and need to run the `oimPS1PS2upgrade.sh` script, you must add the following to the `grant ()` method in the `JAVA_HOME\jre\lib\security\java.policy` file:

```
// JMX Java Management eXtensions
permission javax.management.MBeanTrustPermission "register";
```

After making this change, stop and restart all the servers.

2.2.4.2 Installer Prompts for OID Privileged Ports Twice During the Patch Installation

If you are patching an existing Oracle Internet Directory installation to 11g Release 1 (11.1.1.7.0), you will be prompted to run the `oracleRoot.sh` script near the end of the patch installation, which in turn will ask for the following:

```
Do you want to run oidRoot.sh to configure OID for privileged ports?(yes/no)
```

Depending on the OID version being patched, you may be asked this question a second time. Make sure you enter the same response ("Yes" or "no") both times in order for the script to run correctly.

There is no work around for this issue.

2.2.4.3 Installer Does Not Detect Existing Oracle Home

If you are upgrading to Oracle Identity Management to 11g Release 1 (11.1.1.7.0) from 11g Release 1 (11.1.1.4.0), the installer does not detect the existing Oracle home directory for upgrade in the following environments:

- On 64-bit Windows operating systems, using the Traditional Chinese, Simplified Chinese, or Korean locales.
- On 64-bit Linux operating systems, using the Non UTF-8 locale for Japanese, Korean, Simplified Chinese and Traditional Chinese.

This is caused because the English word "Optional" gets translated in the `MW_HOME/oracle_common/inventory/ContentsXML/comps.xml` file.

There are two work arounds for this issue:

1. Manually specify the Oracle Identity Management Oracle home directory you want to update, and then continue with the upgrade installation.
2. Find all occurrences of the translated word and replace them with the English word "Optional" in the `comps.xml` file and then run the installer after you are finished making the changes. The word "Optional" appears with the following two parameters in the `comps.xml` file:

```
DEP_GRP_NAME="Optional "  
EXT_NAME="Optional "
```

Note: The `comps.xml` file is an important file used by the Oracle Universal Installer so it is important that you do not make any errors while editing this file. You should make a backup copy of this file before you make any changes.

2.2.4.4 Uploading Third Party JAR Files to the Database

During the update of Oracle Identity and Access Management to 11g Release 1 (11.1.1.5.0), third party JAR files (for example, `ldapbp.jar` which is required for connector functionality) that are present in the file system are not uploaded to database by the upgrade process. You must manually upload these JAR files to the database using the `UploadJars.sh` utility.

For more information, see the "Upload JAR and Resource Bundle Utilities" chapter in *Oracle Fusion Middleware Developer's Guide for Oracle Identity Manager*.

2.2.4.5 Access Policy With Approval Does Not Work After Patch

In 11g Release 1 (11.1.1.5.0), the following new policies are introduced for Oracle Entitlements Server (OES):

- `SelfServiceUserManagementPolicies.xml`
- `UserManagementPolicies.xml`

Because of this change, a request for approval is not generated when a new policy with approval is added.

To work around this issue, add the "Request Administrator" role to the "Access Policy Based Provisioning" request template:

1. Login to "Advance Console."
2. Go to **Request Templates** on the Configuration tab.
3. Search for and open the "Access Policy Based Provisioning" request template.
4. Go to the **Template User Roles** tab on the Template Details page.
5. From the left pane in "Available Roles," search for and assign the "Request Administrators" role.

The assigned role will appear in the right pane under "Selected Roles."

6. Save the request template.

2.2.4.6 OID and OVD Saved Connections Not Available After Patch From 11g Release 1 (11.1.1.2.0) or 11g Release 1 (11.1.1.3.0)

If you are patching Oracle Internet Directory (OID) or Oracle Virtual Directory (OVD) from 11g Release 1 (11.1.1.2.0) or 11g Release 1 (11.1.1.3.0) to 11g Release 1 (11.1.1.4.0) or later, your saved connections in the previous releases will not be available after the patch.

If you are patching from 11g Release 1 (11.1.1.4.0) to any later release, then your saved connections in OID and OVD will be available.

There is no work around for this issue.

2.2.4.7 Harmless Error When Running the upgradeOpss() Command When Upgrading Oracle Identity Management

During the upgrade of Oracle Identity Manager 11g Release 1 (11.1.1.3.0) to 11g Release 1 (11.1.1.5.0), you are asked to run the upgradeOpss WLST (online) command to update Oracle Platform Security Services (OPSS).

The following message will be visible on the console when you run the upgradeOpss command:

```
WLS ManagedService is not up running. Fall back to use system properties for
configuration.
date_and_time
oracle.security.jps.internal.tools.utility.destination.apibased.JpsDstPolicy
<init>
WARNING: No identity store associate with policy store found.
Upgrade of jps configuration and security stores is done.
```

This message is harmless and can be safely ignored.

2.2.4.8 Harmless Errors in the Log Files After Patching Oracle Identity Management to 11g Release 1 (11.1.1.4.0)

After patching and configuring Oracle Identity Management to 11g Release 1 (11.1.1.4.0), the following errors are seen in the `wls_oif1-diagnostics.log` file when Single Sign-On is used for Oracle Identity Federation:

```
[2010-08-05T13:05:30.754-07:00] [wls_oif1] [INCIDENT_ERROR] [FED-10174]
[oracle.security.fed.model.config.Configuration] [tid:
[ACTIVE].ExecuteThread: '2' for queue: 'weblogic.kernel.Default
(self-tuning)'] [userId: <anonymous>] [ecid:
42ef6c66fe18f3ad:291f353a:12a43da27c1:-8000-0000000000000021,0] [APP:
OIF#11.1.1.2.0] [arg: certvalidationtimeout] Property was not found:
certvalidationtimeout.
.
[2010-08-05T13:05:37.174-07:00] [wls_oif1] [INCIDENT_ERROR] [FED-10174]
[oracle.security.fed.model.config.Configuration] [tid:
[ACTIVE].ExecuteThread: '2' for queue: 'weblogic.kernel.Default
(self-tuning)'] [userId: <anonymous>] [ecid:
42ef6c66fe18f3ad:291f353a:12a43da27c1:-8000-0000000000000021,0] [APP:
OIF#11.1.1.2.0] [arg: schemavalidationenabled] Property was not found:
schemavalidationenabled
[2010-08-06T17:09:23.861-07:00] [wls_oif1] [INCIDENT_ERROR] [FED-10174]
```

```
[oracle.security.fed.model.config.Configuration] [tid:
[ACTIVE].ExecuteThread: '3' for queue: 'weblogic.kernel.Default
(self-tuning)'] [userId: <anonymous>] [ecid:
f6d9b81289e40cee:42d4f595:12a49b7af7a:-8000-000000000000086f,0] [APP:
OIF#11.1.1.2.0] [arg: certpathvalidationenabled] Property was not found:
certpathvalidationenabled.
```

```
[2010-08-06T17:11:27.173-07:00] [wls_oif1] [INCIDENT_ERROR] [FED-10174]
[oracle.security.fed.model.config.Configuration] [tid:
[ACTIVE].ExecuteThread: '3' for queue: 'weblogic.kernel.Default
(self-tuning)'] [userId: <anonymous>] [ecid:
f6d9b81289e40cee:42d4f595:12a49b7af7a:-8000-00000000000009a0,0] [APP:
OIF#11.1.1.2.0] [arg: httpheaderattrcollector] Property was not found:
httpheaderattrcollector.
```

There errors are harmless and can be safely ignored.

To avoid seeing these errors, run the `oif-upgrade-11.1.1.2.0-11.1.1.4.0.py` script after you have patched your software to 11.1.1.4.0 as described in "Updating Configuration Properties in Oracle Identity Federation" in the *Oracle Fusion Middleware Patching Guide*.

2.2.4.9 Harmless Warning Message When Migrating Oracle Identity Federation from 11g Release 1 (11.1.1.1.0) to 11g Release 1 (11.1.1.2.0)

When you are using the Patch Assistant migration scripts to migrate Oracle Identity Federation from 11g Release 1 (11.1.1.1.0) to 11g Release 1 (11.1.1.2.0), you may see the following error message:

```
WLSTException: Error ocured while performing addHelpCommandGroup : Error
getting resource bundle: : Can't find bundle for base name
oifWLSTResourceBundle, locale en_US
```

This message is harmless and can be safely ignored.

2.2.4.10 Harmless Errors Logged When Patching Oracle Identity Management 11g Release 1 (11.1.1.2.0) to 11g Release 1 (11.1.1.3.0)

You may see some of the following error messages in installation log files after patching an Oracle Identity Management 11g Release 1 (11.1.1.2.0) installation to 11g Release 1 (11.1.1.3.0):

```
External name..INVALID_ORACLE_DIRECTORY_MSG_STRING
```

```
In doFinish method checking for inventory lock...InstallProgressPage
```

```
Next page is a progress page and the inventory lock is false
```

```
/bin/chmod: changing permissions of ORACLE_HOME/install/root.log': Operation not
permitted
```

```
/bin/chmod: changing permissions of ORACLE_HOME/bin/nmhs': Operation not permitted
```

```
/bin/chmod: changing permissions of ORACLE_HOME/bin/nmb': Operation not permitted
```

```
/bin/chmod: changing permissions of ORACLE_HOME/bin/nmo': Operation not permitted
```

```
inventoryLocation: /scratch/aimel/oraInventory
```

```
Mode:init
```

Such messages can be ignored.

2.2.4.11 Harmless Exception Seen When Starting Oracle Identity Management Server 11g Release 1 (11.1.1.5.0)

After updating Oracle Identity Management to 11g Release 1 (11.1.1.5.0), the following exception may be seen when starting Oracle Identity Management Server:

```
java.lang.ClassNotFoundException: ADP ClassLoader failed to
load:com.thortech.xl.schedule.tasks.tcTskScheduledProvision
```

This error is harmless and can be safely ignored.

2.2.5 Issues Pertaining to Patching System Components

This section contains the following:

- [Section 2.2.5.1, "Granting Access to Network-Related Packages for the Oracle Portal Schema"](#)
- [Section 2.2.5.2, "Redeploy System Components to Ensure Proper Deinstallation"](#)
- [Section 2.2.5.3, "Setting Execute Permissions for emctl When Migrating System Components"](#)

2.2.5.1 Granting Access to Network-Related Packages for the Oracle Portal Schema

While running the Patch Set Assistant to upgrade the schema for Oracle Portal 11g Release 1 (11.1.1.4.0) in an environment where Oracle Single Sign-On 10.1.4.3 is running against Oracle Internet Directory 11g and Oracle Database 11.2.0.2, the following exception is encountered:

```
ORA-24247: network access denied by access control list (ACL)
```

To address this issue when executing network-related packages, access must be granted to the user using these packages. You must create the ACL for the ORASSO schema user, and assign it to the OID host. Then, you must run the `wdbigra.sql` script, which gives the required grants to Oracle Portal schema.

1. Grant the ACL for the PORTAL schema user and assign it for the OID host.

Connect as `sys as sysdba` and assign the ACL as in the example below, where `examplehost.exampledomain.com` is the OID hostname and the `DEV_PORTAL` is the Oracle Portal schema specified for the installation:

```
DECLARE
acl_path VARCHAR2(4000);

BEGIN

SELECT acl INTO acl_path FROM dba_network_acls
WHERE host = 'examplehost.exampledomain.com' AND lower_port IS NULL AND upper_
port IS NULL;
dbms_output.put_line('acl_path = ' || acl_path);
dbms_output.put_line('ACL already Exists. Checks for Privilege and add the
Privilege');
IF DBMS_NETWORK_ACL_ADMIN.check_privilege(acl_path, 'DEV_PORTAL', 'connect') IS
NULL THEN
    DBMS_NETWORK_ACL_ADMIN.add_privilege (
        acl => acl_path,
        principal => 'DEV_PORTAL',
        is_grant => TRUE,
```

```
        privilege => 'connect');
END IF;
END;
/
COMMIT;
```

When no ACL has been assigned for the OID host, create the ACL:

```
EXCEPTION
WHEN no_data_found THEN

DBMS_NETWORK_ACL_ADMIN.create_acl (
    acl => 'sso_oid.xml',
    description => 'ACL for SSO to connect to OID',
    principal => 'ORASSO',
    is_grant => TRUE,
    privilege => 'connect');

DBMS_NETWORK_ACL_ADMIN.assign_acl (
    acl => 'sso_oid.xml',
    host => 'examplehost.exampledomain.com');
END;
/
COMMIT;
```

Use the following SQL command to verify that the ACL was created:

```
select * from dba_network_acls;
```

2. Modify the values of the host and schema in the `wdbigra.sql` file, located in the `ORACLE_HOME/upgrade/portal/admin/plsql/wwv` directory.

Change the following:

```
host varchar2(1)           := '*';
schema varchar2(2000)      := upper('&&1');
```

To the following:

```
host varchar2(1)           := '&OID_HOST';
schema varchar2(2000)      := upper('&PORTAL_SCHEMA');
```

3. Run the `wdbigra.sql` script to give the grants to the Oracle Portal schema.

The script will prompt you for the following:

- The value for the `oid_host`.
Specify the host where Oracle Internet Directory is running (for example, `examplehost.exampledomain.com`).
- The value for the `portal_schema`.
Specify the prefix and schema name (for example, `DEV_PORTAL`).

2.2.5.2 Redeploy System Components to Ensure Proper Deinstallation

After you have patched your system component software (Oracle Portal, Forms, Reports and Discoverer, Oracle Identity Management, or Oracle Web Tier) and started all services, you must manually redeploy your system components if you are extending your existing domain. To do so, follow the instructions to redeploy in the "Upgrading System Components" section of the *Oracle Fusion Middleware Patching Guide*.

If you do not redeploy your system components, you will encounter problems when you attempt to remove them.

2.2.5.3 Setting Execute Permissions for emctl When Migrating System Components

When you migrate any 11g Release 1 (11.1.1.1.0) system component to 11g Release 1 (11.1.1.2.0), the following error message can be seen on the console window:

```
Process (index=1,uid=1270434032,pid=0)
Executable file does not have execute permission.

INSTANCE_HOME/EMAGENT/EMAGENT/bin/emctl
failed to start a managed process after the maximum retry limit
Executable file does not have execute permission.
```

The work around is to manually change the permissions of the emctl executable. For example:

```
chmod +x INSTANCE_HOME/EMAGENT/EMAGENT/bin/emctl
```

After changing the permissions, restart all the opmnctl processes.

2.2.6 Issues Pertaining to Version Numbers After Patching

This section contains the following:

- [Section 2.2.6.1, "Oracle SOA Suite Tasks Not Visible in Firefox Browser After Upgrade"](#)
- [Section 2.2.6.2, "Some Applications Show Old Version Number After Patching"](#)
- [Section 2.2.6.3, "MDS Schema Version Number is Incorrect"](#)
- [Section 2.2.6.4, "Oracle BI Components Show Incorrect Version Number After Patching"](#)
- [Section 2.2.6.5, "Adding the Version Number for the odi-sdk-ws Application in config.xml"](#)

2.2.6.1 Oracle SOA Suite Tasks Not Visible in Firefox Browser After Upgrade

If you are upgrading Oracle SOA Suite to 11g Release 1 (11.1.1.7.0) from any previous release, not all tasks may be visible in Firefox browser after the upgrade is complete.

To work around this issue, refresh your browser's cache to see all tasks.

2.2.6.2 Some Applications Show Old Version Number After Patching

After you patch your Oracle Fusion Middleware environment, some applications still show the version number from previous releases. For example, after you patch Oracle WebLogic Server 10.3.4 to the latest release, the version number is still shown as 10.3.4.

There is no work around for this issue.

2.2.6.3 MDS Schema Version Number is Incorrect

If you are running Fusion Middleware products that use the Metadata Services schema (MDS) and your Fusion Middleware products are older than 11g Release 1 (11.1.1.4.0), the schema version number for the MDS schema in Enterprise Manager will be the previous release number, even if you have updated the MDS schema to 11g Release 1 (11.1.1.4.0).

In order for the MDS schema version number to appear correctly, both the schema and the Fusion Middleware product software must be up to date with the most recent version.

2.2.6.4 Oracle BI Components Show Incorrect Version Number After Patching

After you patch your existing Oracle Business Intelligence (BI) software to 11g Release 1 (11.1.1.4.0), some Oracle BI components (for example, Oracle BI Publisher or Oracle RTD) will still show the version number from your previous release when viewed using Oracle Enterprise Manager.

There is no work around for this issue.

2.2.6.5 Adding the Version Number for the odi-sdk-ws Application in config.xml

In 11g Release 1 (11.1.1.6.0), the `odi-sdk-ws` application was updated to introduce a version number. If you are upgrading the `odi-sdk-ws` application to 11g Release 1 (11.1.1.6.0) from any previous release, this version number must be added to the `config.xml` file prior to starting the Administration server or Managed Servers in the domain.

To do this:

1. Edit the `DOMAIN_HOME/config/config.xml` file.
2. Change the following line:

```
<name>odi-sdk-ws</name>
```

To add a version number, as follows:

```
<name>odi-sdk-ws#11.1.1.6.0.1</name>
```

3. Start or restart the Administration Server and Managed Servers in the domain.

2.2.7 Issues Pertaining to Displays During or After Patching

This section contains the following:

- [Section 2.2.7.1, "Pages in Oracle Enterprise Manager and Oracle Directory Services Manager do not Display Correctly"](#)

2.2.7.1 Pages in Oracle Enterprise Manager and Oracle Directory Services Manager do not Display Correctly

After upgrading to 11g Release 1 (11.1.1.7.0), if you encounter problems with pages in Oracle Enterprise Manager (EM) or Oracle Directory Services Manager (ODSM) not being displayed correctly, do the following before starting all the servers in the domain:

1. Add the value `-XX:-UseSSE42Intrinsics` to the `DOMAIN_HOME/bin/setDomainEnv.sh` file as follows:

Find the following section of code:

```
if [ "${JAVA_VENDOR}" = "Sun" ] ; then
    MEM_ARGS="${MEM_ARGS} ${MEM_DEV_ARGS} ${MEM_MAX_PERM_SIZE}"
    export MEM_ARGS
fi
```

```
if [ "${JAVA_VENDOR}" = "HP" ] ; then
    MEM_ARGS="${MEM_ARGS} ${MEM_MAX_PERM_SIZE}"
```

```

        export MEM_ARGS
    fi

    if [ "${JAVA_VENDOR}" = "Apple" ] ; then
        MEM_ARGS="${MEM_ARGS} ${MEM_MAX_PERM_SIZE}"
        export MEM_ARGS
    fi

```

And change it to:

```

    if [ "${JAVA_VENDOR}" = "Sun" ] ; then
        MEM_ARGS="${MEM_ARGS} ${MEM_DEV_ARGS} ${MEM_MAX_PERM_SIZE}
-XX:-UseSSE42Intrinsics"
        export MEM_ARGS
    fi

    if [ "${JAVA_VENDOR}" = "HP" ] ; then
        MEM_ARGS="${MEM_ARGS} ${MEM_MAX_PERM_SIZE} -XX:-UseSSE42Intrinsics"
        export MEM_ARGS
    fi

    if [ "${JAVA_VENDOR}" = "Apple" ] ; then
        MEM_ARGS="${MEM_ARGS} ${MEM_MAX_PERM_SIZE} -XX:-UseSSE42Intrinsics"
        export MEM_ARGS
    fi

```

- For Oracle EM, remove the `.css` file from the following directory:

On UNIX operating systems:

```

DOMAIN_HOME/servers/AdminServer/tmp/_WL_user/em/random_
dir/public/adf/styles/cache

```

On Windows operating systems:

```

DOMAIN_HOME\servers\AdminServer\tmp\_WL_user\em\random_
dir\public\adf\styles\cache

```

- For ODSM, remove the `.css` file from the following directory:

On UNIX operating systems:

```

DOMAIN_HOME/servers/wls_ods1/tmp/_WL_user/odsm_release/random_
dir/public/adf/styles/cache

```

On Windows operating systems:

```

DOMAIN_HOME\servers\wls_ods1\tmp\_WL_user\odsm_release\random_
dir\public\adf\styles\cache

```

- Clear your browser cache to remove any browser clients that visited the sites using the `.css` file you just removed.
- Start or restart all the servers in the domain.

2.2.8 Warning and Error Messages Seen as a Result of Patching

This section contains the following:

- Section 2.2.8.1, "Harmless Warnings When Running `upgradeOps()`"
- Section 2.2.8.2, "Harmless Warning Message in Log File When Patching Multiple Products to the Same Version"

- [Section 2.2.8.3, "Error When Accessing the Oracle Portal Home Page"](#)
- [Section 2.2.8.4, "Applications Generate javax.xml.bind.JAXBException Runtime Errors After Installing 11g Release 1 \(11.1.1.4.0\) Patch Set"](#)

2.2.8.1 Harmless Warnings When Running upgradeOpss()

When running the upgradeOpss() WLST command to upgrade configurations and stores to 11g Release 1 (11.1.1.4.0), the following error messages may be seen:

```
oracle.security.jps.internal.tools.utility.destination.apibased.JpsDstPolicy
migrateData
WARNING: cannot migrate a global grant. Reason
oracle.security.jps.service.policystore.PolicyStoreException: Found 2 permissions
in the store matching: ([PermissionEntry: class=java.util.PropertyPermission
target=weblogic.Name resourceType=null actions=read, PERMISSION, name=null,
uniqueName=null, guid=null]
[jaznGranteeDn=orclguid=AC171BF0E72711DEBF9CCF0B93FB22A1, cn=Grantees,
cn=JAASPolicy, cn=systempolicy, cn=webcenter, cn=JPSCContext, cn=jpsroot_webcenter_
IR14_prod]),
[PermissionEntry: class=java.util.PropertyPermission target=weblogic.Name
resourceType=null actions=read, PERMISSION, name=8228FD8036F711DEAF24DB7D80B2D07C,
uniqueName=orclguid=8228FD8036F711DEAF24DB7D80B2D07C, cn=Permissions, cn=JAASPolicy,
cn=systempolicy, cn=webcenter, cn=JPSCContext, cn=jpsroot_webcenter_IR14_prod,
guid=8228FD8036F711DEAF24DB7D80B2D07C]
[jaznGranteeDn=orclguid=822505e036f711deaf24db7d80b2d07c, cn=grantees, cn=jaas
policy, cn=systempolicy, cn=webcenter, cn=jpscontext, cn=jpsroot_webcenter_irl4_prod]1
[PermissionEntry: class=java.util.PropertyPermission target=weblogic.Name
resourceType=null actions=read, PERMISSION, name=8228FD8036F711DEAF24DB7D80B2D07C,
uniqueName=orclguid=8228FD8036F711DEAF24DB7D80B2D07C, cn=Permissions, cn=JAASPolicy,
cn=systempolicy, cn=webcenter, cn=JPSCContext, cn=jpsroot_webcenter_IR14_prod,
guid=8228FD8036F711DEAF24DB7D80B2D07C]
[jaznGranteeDn=orclguid=822505e036f711deaf24db7d80b2d07c, cn=grantees, cn=jaaspolicy
, cn=systempolicy, cn=webcenter, cn=jpscontext, cn=jpsroot_webcenter_irl4_prod]
[PermissionEntry: class=java.util.PropertyPermission target=weblogic.Name
resourceType=null actions=read, PERMISSION, name=AC198CF0E72711DEBF9CCF0B93FB22A1,
uniqueName=orclguid=AC198CF0E72711DEBF9CCF0B93FB22A1, cn=Permissions, cn=JAASPolicy,
cn=systempolicy, cn=webcenter, cn=JPSCContext, cn=jpsroot_webcenter_IR14_prod,
guid=AC198CF0E72711DEBF9CCF0B93FB22A1]
[jaznGranteeDn=orclguid=822505e036f711deaf24db7d80b2d07c, cn=grantees, cn=jaaspolicy
, cn=systempolicy, cn=webcenter, cn=jpscontext, cn=jpsroot_webcenter_irl4_prod]
[jaznGranteeDn=orclguid=ac171bf0e72711debf9ccf0b93fb22a1, cn=grantees, cn=jaaspolicy
, cn=systempolicy, cn=webcenter, cn=jpscontext, cn=jpsroot_webcenter_irl4_prod]2
[PermissionEntry: class=java.util.PropertyPermission target=weblogic.Name
resourceType=null actions=read, PERMISSION, name=AC198CF0E72711DEBF9CCF0B93FB22A1,
uniqueName=orclguid=AC198CF0E72711DEBF9CCF0B93FB22A1, cn=Permissions, cn=JAASPolicy,
cn=systempolicy, cn=webcenter, cn=JPSCContext, cn=jpsroot_webcenter_IR14_prod,
guid=AC198CF0E72711DEBF9CCF0B93FB22A1]
[jaznGranteeDn=orclguid=822505e036f711deaf24db7d80b2d07c, cn=grantees, cn=jaaspolicy
, cn=systempolicy, cn=webcenter, cn=jpscontext, cn=jpsroot_webcenter_irl4_
prod] [jaznGranteeDn=orclguid=ac171bf0e72711debf9ccf0b93fb22a1, cn=grantees, cn=jaas
policy, cn=systempolicy, cn=webcenter, cn=jpscontext, cn=jpsroot_webcenter_irl4_prod]
```

These messages are harmless and can be safely ignored.

2.2.8.2 Harmless Warning Message in Log File When Patching Multiple Products to the Same Version

In a scenario where you have a product that is already patched to version 11g Release 1 (11.1.1.3.0) in a Middleware home, and then you attempt to patch a second product to

the same version in the same Middleware home, a warning message similar to the following will appear in the install *timestamp.out* file:

```
Attempting to install 1 patches
Mar 3, 2010 1:00:07 PM [THREAD: Thread-1]
com.bea.cie.paf.internal.attach.PatchManagerImpl install
WARNING: Warning: Patch already installed: PBY8

Patch installation success
Patch installation success
Success..
[SOARootService.getRootActions] autoPortsDetect =null
[SOARootService.getRootActions] privilegedPorts =null
```

This warning message can be safely ignored.

2.2.8.3 Error When Accessing the Oracle Portal Home Page

If you are upgrading to Oracle Portal 11g Release 1 (11.1.1.6.) from any previous release, the following error message is displayed in the browser when accessing the Oracle Portal home page:

```
XML Parsing Error: syntax error
Location: http://exampleserver.exampledomain:port/portal/pls/portal/dev_
portal.home
Line Number 1, Column 1:An error occurred while processing the request. Try
refreshing your browser. If the problem persists contact the site administrator
^
```

This occurs because the Web Cache invalidation password stored in Web Cache and the password stored in the Portal repository are not the same.

To resolve this issue:

1. Reset the Oracle Web Cache invalidator password in the Administration repository:
 - a. Log in to Enterprise Manager in the domain where Web Cache is running:


```
http://administration_server_host:administration_server_port/em
```
 - b. From the navigation section on the left, open "Web Tier" then click on the Web Cache instance name.
 - c. Find the drop-down menu on the right-hand side of the page under the Web Cache instance name, then select **Administration > Password** from the menu.
 - d. Specify a new invalidation password.
 - e. Restart Oracle Web Cache.
2. Reset the Oracle Web Cache invalidator password in the Oracle Portal repository:
 - a. Log in to Enterprise Manager in the domain where Oracle Portal is running:


```
http://administration_server_host:administration_server_port/em
```
 - b. From the navigation section on the left, open "Portal" then click on the Oracle Portal Managed Server name.
 - c. Find the drop-down menu on the right-hand side of the page under the Oracle Portal instance name, then select **Settings > Wire Configuration** from the menu.

- d. Specify a new invalidation password - the same password you specified in the Administration repository.

Note: the "Invalidation User" user name should be same as the user name used on the Oracle Web Cache side.

- e. Click **Apply**.

There is a known issue at this point - refer to "Resolving JDBC Errors in Oracle Reports and Oracle Portal" in the *Oracle Fusion Middleware Patching Guide* for more information.

- f. Delete the Oracle Portal File Cache in the `ORACLE_INSTANCE/portal/cache` directory.
- g. Restart Oracle Web Cache and the Oracle Portal Managed Server.

2.2.8.4 Applications Generate `javax.xml.bind.JAXBException` Runtime Errors After Installing 11g Release 1 (11.1.1.4.0) Patch Set

If any of the applications you deployed on Oracle Fusion Middleware 11g Release 1 (11.1.1.2.0) or 11g Release 1 (11.1.1.3.0) include EclipseLink-JAXB classes that have no-arg constructors missing, then after you install 11g Release 1 (11.1.1.4.0), the application might generate the following exceptions during runtime:

```
javax.xml.bind.JAXBException
```

To avoid this error:

1. Modify the classes and add default no-arg constructors where necessary.
2. Compile and redeploy your project to the newly patched Oracle Fusion Middleware 11g Release 1 (11.1.1.4.0) domain.

Below is an example of a typical no-arg constructor:

```
public class PriceQuote implements Serializable
{
    // Make sure you have constructor with no arguments
    public PriceQuote() }
}
```

2.2.9 Oracle Configuration Manager Fails When Patching Oracle Identity Management and Oracle Web Tier

If you are upgrading Oracle Identity Management or Oracle Web Tier to 11g Release 1 (11.1.1.7.0) from any release prior to and not including 11g Release 1 (11.1.1.6.0), and you did not previously configure Oracle Configuration Manager, then Oracle Configuration Manager will fail if you decide to configure it in 11g Release 1 (11.1.1.7.0).

To work around this issue, you can do the following prior to running the 11g Release 1 (11.1.1.7.0) configuration wizard:

1. Go to the `ORACLE_HOME/ccr/bin` directory.
2. Run the following commands:

```
setupCCR
configCCR
```

```
emCCR collect
emCCR status
```

You can also do the following if you choose to skip the Oracle Configuration Manager configuration when you initially run the 11g Release 1 (11.1.1.7.0) configuration wizard but then choose to configure it later:

1. Go to the `ORACLE_HOME/ccr/bin` directory.
2. Set the `ORACLE_CONFIG_HOME` environment variable to your Instance home directory.
3. Run the following commands:

```
setupCCR
configCCR
emCCR collect
emCCR status
```

2.2.10 Resolving Oracle Service Bus Object Conflicts

After patching Oracle Service Bus, it is possible that some older objects in the server cache could conflict with the newer version of Oracle Service Bus objects. To clear the cache and prevent these conflicts, delete the `DOMAIN_HOME/tmp/cache/stage` folder.

You can delete this folder either prior to patching, or after patching. If you do this after patching your software, you must remember to shut down and restart all the servers.

2.2.11 Manual Step for ODI-BAM Users After Installing 11.1.1.4.0 Patch Set

If you are integrating Oracle Data Integrator (ODI) with Oracle Business Activity Monitoring, you should import a new version of the following knowledge module after you install the Oracle Fusion Middleware 11g Release 1 (11.1.1.4.0) patch set:

```
BAM_ORACLE_HOME/bam/ODI/knowledge modules/KM_RKM Oracle BAM.xml
```

For more information, see "Importing and Replacing Knowledge Modules" in the *Oracle Fusion Middleware Developer's Guide for Oracle Data Integrator*.

This new module includes bug fixes and improvements made for the Oracle Fusion Middleware 11g Release 1 (11.1.1.4.0).

2.3 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 2.3.1, "Issues Pertaining to Oracle SOA Suite Configuration"](#)
- [Section 2.3.2, "Issues Pertaining to Oracle Identity Management Configuration"](#)
- [Section 2.3.3, "Issues Pertaining to Oracle Identity and Access Management Configuration"](#)
- [Section 2.3.4, "Issues Pertaining to the Configuration Wizard"](#)
- [Section 2.3.5, "Issues Pertaining to the Repository Creation Utility \(RCU\)"](#)
- [Section 2.3.6, "Issues Pertaining to Packing and Unpacking a Domain"](#)
- [Section 2.3.7, "Issues Pertaining to Cluster Configuration"](#)

- [Section 2.3.8, "Discoverer URL is not Properly Displayed When Accessed Through SSL"](#)
- [Section 2.3.9, "Cleaning up the JDeveloper Directories for a Failed Deployment on Windows"](#)
- [Section 2.3.10, "Oracle WebCenter Portal wc-post-install.py Script Not Supported for Oracle RAC Datasources"](#)
- [Section 2.3.11, "Changing the Listen Address of a Managed Server"](#)
- [Section 2.3.12, "Domain Extension Overwrites JDBC Data Source Name"](#)
- [Section 2.3.13, "Rerouting to Original URL After SSO Authentication in Firefox and Safari Browsers"](#)
- [Section 2.3.14, "Deleting the Browser Cache in Browsers"](#)

2.3.1 Issues Pertaining to Oracle SOA Suite Configuration

This section contains the following:

- [Section 2.3.1.1, "SOAINFRA Schema Contains Invalid Objects in 11g Release 1 \(11.1.1.6.0\)"](#)
- [Section 2.3.1.2, "Harmless Exception Seen for Oracle SOA Suite with WebSphere Application Server"](#)

2.3.1.1 SOAINFRA Schema Contains Invalid Objects in 11g Release 1 (11.1.1.6.0)

When the 11g Release 1 (11.1.1.6.0) version of the *prefix_SOAINFRA* schema is created either by running RCU or the Patch Set Assistant, there are still some invalid objects that exist within the SOA schema.

To work around this issue, compile the *prefix_SOAINFRA* schema. For example, if the SOA schema user on your system is *DEV_SOAINFRA*:

```
exec dbms_utility.compile_schema('DEV_SOAINFRA')
```

If you choose not to run this command to make the objects valid, the objects will also become valid once they are accessed during runtime.

2.3.1.2 Harmless Exception Seen for Oracle SOA Suite with WebSphere Application Server

When running Oracle SOA Suite on IBM WebSphere application server, the following exception is seen after logging in to Fusion Middleware Control, expanding Application Deployments on the left side and then clicking on any of the applications under it:

```
[date_and_time] 0000003f OHWHelpProvid E   unable to create global
configuration
[date_and_time] 00000044 OHWHelpProvid E   critical error in OHW
configuration

oracle.help.web.config.parser.ConfigParseException: error finding
configuration file at:
    at oracle.help.web.config.parser.OHWParser._openConnection(Unknown
Source)
    at oracle.help.web.config.parser.OHWParser.getGlobalConfiguration(Unknown
Source)
    at oracle.help.web.rich.helpProvider.OHWHelpProvider.getHelpTopic(Unknown
Source)
```


.
.
.

This exception is harmless and can be safely ignored.

2.3.2 Issues Pertaining to Oracle Identity Management Configuration

This section contains information pertaining to Oracle Identity Management 11g Release 1 (11.1.1.7.0) configuration:

Note: For 11g Release 1 (11.1.1.6.0) configuration release notes, refer to the following links:

- *Oracle Fusion Middleware Release Notes 11g Release 1 (11.1.1) for Linux x86*
 - *Oracle Fusion Middleware Release Notes 11g Release 1 (11.1.1) for Microsoft Windows (32-Bit)*
-
-

- [Section 2.3.2.1, "Oracle Internet Directory Server Does Not Listen on SSL Port"](#)
- [Section 2.3.2.2, "Metrics for Oracle Identity Management Components may not be Correctly Displayed in Enterprise Manager"](#)
- [Section 2.3.2.3, "Configuring Oracle Identity Management When WebLogic Node Manager is Running"](#)
- [Section 2.3.2.4, "Configuring Oracle Internet Directory with Oracle Data Vault"](#)
- [Section 2.3.2.5, "Password Requirements for Oracle Internet Directory Administrator"](#)
- [Section 2.3.2.6, "Harmless Error Message When Configuring Oracle Identity Federation"](#)

2.3.2.1 Oracle Internet Directory Server Does Not Listen on SSL Port

If the machine on which Oracle Internet Directory is installed is not configured as a dual stack (IPv4/IPv6) host and the Oracle Internet Directory server is configured to listen on privileged ports, then the Oracle Internet Directory server does not listen on SSL ports.

To work around this issue, do one of the following:

- Enable IPv6 on the machine.
- If pure IPv4/IPv6 addresses are needed, add `host=ipv4_ip_address` or `host=ipv6_ip_address` for `oidmon` parameters in the `INSTANCE_HOME/config/OPMN/opmn/opmn.xml` file. For example:

```
<data id="start-cmdline-opts" value="connect=$DB_CONNECT_STR opmnuid=true
  host=ipv4_or_ipv6_ip_address start"/>
<data id="stop-cmdline-opts" value="connect=$DB_CONNECT_STR opmnuid=true
  host=ipv4_or_ipv6_ip_address stop"/>
```

2.3.2.2 Metrics for Oracle Identity Management Components may not be Correctly Displayed in Enterprise Manager

When Oracle Identity Management servers are configured on IPv4/IPv6 dual-stack hosts in 11g Release 1 (11.1.1.7.0), the following problems may occur in Enterprise Manager:

- Metrics for Oracle Identity Management components may not be displayed correctly.
- Links to Oracle Directory Services Manager (ODSM) may not work.

To work around this issue, add an alias for the IPv6 address in the `/etc/hosts` file on your system:

```
IPv6_host_address host.domain host
```

For example:

```
fdc4:82c2:9c80:d47a::3:58 examplehost.exampledomain.com examplehost
```

2.3.2.3 Configuring Oracle Identity Management When WebLogic Node Manager is Running

To configure Oracle Identity Management, using either the Install and Configure option or the Configuration Wizard, when the WebLogic Node Manager utility is running from the same Middleware home directory where Oracle Identity Management is installed, the `StartScriptEnabled` parameter in the `nodemanager.properties` file must be set to `true`. For example:
`StartScriptEnabled=true`

To configure Oracle Identity Management when the `StartScriptEnabled` parameter is set to `false`, you must:

1. Set the `StartScriptEnabled` parameter to `true`.
2. Stop, then restart the Node Manager utility.
3. Configure Oracle Identity Management using either the Install and Configure option or the Configuration Wizard.

Note: The `nodemanager.properties` file is located in the `WL_HOME/common/nodemanager` directory.

2.3.2.4 Configuring Oracle Internet Directory with Oracle Data Vault

If you choose to configure Oracle Internet Directory (OID) with Oracle Data Vault:

1. Apply patch 8897382 (see the README file in the patch for instructions).
2. In the `ORACLE_HOME/ldap/datasecurity/dbv_oid_command_rules.sql` file, find the following code:

```
/declare
.
begin
.
  dvsys.dbms_macadm.CREATE_COMMAND_RULE(
    command => 'CONNECT'
    ,rule_set_name => 'OID App Access'
    ,object_owner => 'ODS'
    ,object_name => '%'
    ,enabled => 'Y');
```

```
.
commit;
.
end;/'
```

3. Change the following line:

```
,object_owner => 'ODS'

to:

,object_owner => '%'
```

2.3.2.5 Password Requirements for Oracle Internet Directory Administrator

When configuring Oracle Internet Directory, using either the installer's Install and Configure option or the Configuration Wizard, you must enter and confirm the Administrator Password.

The following is a list of the requirements for the Oracle Internet Directory Administrator Password. The password must contain:

- At least 5 characters
- No more than 30 characters
- At least one number
- Only alpha-numeric characters, underscore (_), dollar sign (\$), and pound/hash (#)

Note: If the password you enter does not satisfy these requirements, the following error message appears:

```
INST-07037: Administrator Password field value contains one or more
invalid characters or the value is not in proper format.
```

2.3.2.6 Harmless Error Message When Configuring Oracle Identity Federation

During the configuration of Oracle Identity Federation (OIF), the following error message regarding key store and password may be seen in the configuration log file:

```
[app:OIF module:/fed path:/fed spec-version:2.5
version:11.1.1.1.0]: Failed while destroying servlet: usermanager.
java.lang.RuntimeException: The server could not initialize properly:
oracle.security.fed.sec.util.KeySourceException: Invalid/unsupported
key store or incorrect password. Please verify that the password is correct
and the store is a valid PKCS#12 PFX wallet or Java KeyStore file.
```

This error message can be safely ignored if OIF is running properly.

2.3.3 Issues Pertaining to Oracle Identity and Access Management Configuration

This section contains information pertaining to Oracle Identity and Access Management 11g Release 1 (11.1.1.7.0) configuration:

Note: For 11g Release 1 (11.1.1.6.0) configuration release notes, refer to the following links:

- [Oracle Fusion Middleware Release Notes 11g Release 1 \(11.1.1\) for Linux x86](#)
 - [Oracle Fusion Middleware Release Notes 11g Release 1 \(11.1.1\) for Microsoft Windows \(32-Bit\)](#)
-
-

- [Section 2.3.3.1, "Log Messages Appearing on Console During Oracle Identity Manager Schema Creation"](#)

2.3.3.1 Log Messages Appearing on Console During Oracle Identity Manager Schema Creation

During the creation of the Oracle Identity Manager (OIM) schema, some log messages will appear in the RCU console window. These log messages are specific to Quartz, which is used by Oracle Identity Manager, and can be safely ignored.

If there are any errors encountered during the loading of this Quartz-specific data, the errors will be written to the RCU log files. Refer to *Oracle Fusion Middleware Repository Creation Utility User's Guide* for more information about the RCU log files.

2.3.4 Issues Pertaining to the Configuration Wizard

This section contains the following:

- [Section 2.3.4.1, "Starting the Configuration Wizard From a New Window"](#)
- [Section 2.3.4.2, "Specify Security Updates Screen Does Not Appear in the Configuration Wizard"](#)

2.3.4.1 Starting the Configuration Wizard From a New Window

When you start the Configuration Wizard from a terminal window, make sure that it is a new terminal window to ensure that there are no environment variables set to incorrect locations from a previous configuration or installation session.

2.3.4.2 Specify Security Updates Screen Does Not Appear in the Configuration Wizard

If you use silent installation (response file) to configure Oracle Identity Management, security updates (through Oracle Configuration Manager) are not configured. However, the `ocm.rsp` file is created in the Oracle home directory. If you run the Configuration Wizard GUI from the Oracle home, you will not see the Specify Security Updates Screen because of the presence of the `ocm.rsp` file.

To work around this issue, delete the `ocm.rsp` file from the Oracle home and run the Configuration Wizard to see the Specify Security Updates screen.

2.3.5 Issues Pertaining to the Repository Creation Utility (RCU)

This section contains the following:

- [Section 2.3.5.1, "Increasing the Tablespace Size for the MDS Schema"](#)
- [Section 2.3.5.2, "Schemas Are Not Visible After Upgrade of Oracle Identity Management"](#)

- [Section 2.3.5.3, "RCU Summary Screen Issues"](#)

2.3.5.1 Increasing the Tablespace Size for the MDS Schema

On Oracle databases, a default tablespace size of 1024MB is created for the MDS schema. If you need to increase the size of this tablespace, do the following:

1. Log in to the Database Control page. For example:

```
https://db_host:db_port/em/
```

2. Select the **Server** tab.
3. In the "Storage" section, select **Datafiles**.
4. Select the row of the datafile corresponding to the schema you want to edit, then click **Edit**. In the case of the MDS schema, the datafile name should be `prefix_mds.dbf`.
5. On the "Edit Datafile" page, increase the size of the tablespace.

2.3.5.2 Schemas Are Not Visible After Upgrade of Oracle Identity Management

After upgrading Oracle Identity Management from Release 10g (10.1.4.3) to 11g Release 1 (11.1.1), the Oracle Directory Service schemas (ODS and ODSSM) are not visible in the Repository Creation Utility (RCU).

The reason for this is because RCU is not used during the upgrade process, and RCU only recognizes schemas that are created by RCU. Refer to *Oracle Fusion Middleware Repository Creation Utility User's Guide* for more information.

2.3.5.3 RCU Summary Screen Issues

If you are dropping the Identity Management schemas and you select both Oracle Internet Directory (ODS) and Oracle Identity Federation (OIF) to be dropped, the RCU summary screen may not be displayed and an exception may be thrown in the console.

To work around this issue, select and drop one component at a time instead of selecting them both and dropping them together.

When other components are selected for a drop schema operation, the summary screen may display inaccurate information. However, the selected schemas will be successfully dropped from the database in spite of the erroneous information on the summary screen.

To work around this issue, select and drop only one component at a time.

2.3.6 Issues Pertaining to Packing and Unpacking a Domain

This section contains the following:

- [Section 2.3.6.1, "Ensure There Are No Missing Products When Using `unpack.sh` or `unpack.cmd`"](#)
- [Section 2.3.6.2, "Running `unpack.sh` or `unpack.cmd` on a Different Host"](#)
- [Section 2.3.6.3, "Starting Managed Servers on Remote System After Packing and Unpacking Domain"](#)

2.3.6.1 Ensure There Are No Missing Products When Using `unpack.sh` or `unpack.cmd`

Oracle SOA Suite, Oracle WebCenter Portal, and Application Developer all contain the `pack.sh` and `unpack.sh` scripts in their respective `ORACLE_HOME/common/bin` directories.

The `pack.sh` script is used to create a template archive (`.jar`) file that contains a snapshot of either an entire domain or a subset of a domain. The `unpack.sh` script is used to create a full domain or a subset of a domain used for a Managed Server domain directory on a remote system.

Both `pack.sh` and `unpack.sh` will fail if any installed products are missing from the system where you are running these scripts.

2.3.6.2 Running `unpack.sh` or `unpack.cmd` on a Different Host

If you are running the `unpack.sh` command to unpack a domain on a remote host, the Oracle home location and the Middleware home location on the remote host should match the locations on the host where the `pack` was performed.

Below is a valid example:

```
Host 1:
MW_HOME = /user/home/Middleware
ORACLE_HOME = /user/home/Middleware/Oracle_SOA1

@ Host 2:
MW_HOME = /user/home/Middleware
ORACLE_HOME = /user/home/Middleware/Oracle_SOA1
```

The example below is NOT valid because the Oracle homes do not match:

```
Host 1:
MW_HOME = /user/home/Middleware
ORACLE_HOME = /user/home/Middleware/Oracle_SOA1

@ Host 2:
MW_HOME = /user/home/Middleware
ORACLE_HOME = /user/home/Middleware/SOA_Home
```

The example below is NOT valid because the Middleware homes do not match:

```
Host 1:
MW_HOME = /user/home/Middleware
ORACLE_HOME = /user/home/Middleware/Oracle_SOA1

@ Host 2:
MW_HOME = /user/home/MWHome
ORACLE_HOME = /user/home/Middleware/Oracle_SOA1

Host 1:
MW_HOME = C:\Oracle\Middleware
ORACLE_HOME = C:\Oracle\Middleware\Oracle_SOA1

@ Host 2:
MW_HOME = C:\Oracle\Middleware
ORACLE_HOME = C:\Oracle\Middleware\Oracle_SOA1
```

The example below is NOT valid because the Oracle homes do not match:

```
Host 1:
MW_HOME = C:\Oracle\Middleware
```

```
ORACLE_HOME = C:\Oracle\Middleware\Oracle_SOA1
```

```
@ Host 2:
```

```
MW_HOME = C:\Oracle\Middleware
```

```
ORACLE_HOME = C:\Oracle\Middleware\SOA_Home
```

The example below is NOT valid because the Middleware homes do not match:

```
Host 1:
```

```
MW_HOME = C:\Oracle\Middleware
```

```
ORACLE_HOME = C:\Oracle\Middleware\Oracle_SOA1
```

```
@ Host 2:
```

```
MW_HOME = C:\Oracle\MWHome
```

```
ORACLE_HOME = C:\Oracle\Middleware\Oracle_SOA1
```

2.3.6.3 Starting Managed Servers on Remote System After Packing and Unpacking Domain

After you unpack a domain on a remote system using the `unpack` command, complete the following steps:

1. Start Node Manager on the remote system. This action creates a `nodemanager.properties` file on your system in the `MW_HOME/wlserver_10.3/common/nodemanager` directory.
2. Stop Node Manager.
3. Open the `nodemanager.properties` file in a text editor and set the `StartScriptEnabled` property to `true`.
4. Start the Node Manager on the remote system before starting the Managed Server on the remote system through the Oracle WebLogic Administration Console.

2.3.7 Issues Pertaining to Cluster Configuration

This section contains the following:

- [Section 2.3.7.1, "Extend Domain and Expand Cluster Scenarios with Remote Systems"](#)
- [Section 2.3.7.2, "Unable to Extend an Existing Domain by Selecting Only Oracle Directory Integration Platform Without Cluster"](#)
- [Section 2.3.7.3, "Expand Cluster Requires Changes to the `emd.properties` File"](#)

2.3.7.1 Extend Domain and Expand Cluster Scenarios with Remote Systems

In scenarios where you are using the Fusion Middleware Configuration Wizard to extend a domain or expand a cluster with remote systems, you must make sure that both the source and destination Middleware home and Oracle home directories are identical.

2.3.7.2 Unable to Extend an Existing Domain by Selecting Only Oracle Directory Integration Platform Without Cluster

Selecting only Oracle Directory Integration Platform without cluster in a session followed by creating cluster and extending domain on the same system fails.

In this domain configuration scenario, ensure that you install and configure Oracle Directory Services Manager on the same system where you extending the domain to configure Oracle Directory Integration Platform.

2.3.7.3 Expand Cluster Requires Changes to the `emd.properties` File

After running the Oracle Fusion Middleware Configuration Wizard to expand a cluster, the `EMD_URL` parameter in the `INSTANCE_HOME/EMAGENT/EMAGENT/sysman/config/emd.properties` file contains the values shown below:

```
EMD_URL=http://localhost.localdomain:port/emd/main
```

You must edit this parameter and replace `localhost` and `localdomain` with the actual host and domain information of your environment. For example, using 5160 as the port number:

```
EMD_URL=http://examplehost.exampledomain.com:5160/emd/main
```

2.3.8 Discoverer URL is not Properly Displayed When Accessed Through SSL

In 11g Release 1 (11.1.1.7.0), the Discoverer page is not displayed properly when accessed through the SSL port of Oracle Web Cache or Oracle HTTP Server.

To work around this issue, do the following:

1. Log in to the Administration Server Console.
2. Select **Environment->Servers->AdminServer->Configuration->General->Advanced**.
3. Enable "WebLogic Plug-In Enabled".
4. Repeat steps 1-3 for the `WLS_DISCO` server.
5. Restart all of the servers and access the page again.

2.3.9 Cleaning up the JDeveloper Directories for a Failed Deployment on Windows

When a JDeveloper deployment fails on Windows, you should remove the hidden system directory and all its subdirectories in `AppData\Roaming\JDeveloper` before you try to deploy again.

2.3.10 Oracle WebCenter Portal `wc-post-install.py` Script Not Supported for Oracle RAC Datasources

The `wc-post-install.py` script can not be used in an environment with Oracle RAC datasources (gridlink or multi-datasource).

To work around this issue:

1. Edit the `WC_ORACLE_HOME/bpm/process_spaces/wc-post-install.py` script and comment out all lines containing `setDatasource` in the file by adding a hash (#) character to the beginning of the line.
2. Use the WebCenter Portal Console and manually configure the following datasources:
 - `mds-soa`
 - `mds-soa0`
 - `mds-soa1`

- SOADDataSource
 - SOADDataSource0
 - SOADDataSource1
3. Run the `wc-post-install.py` script.

2.3.11 Changing the Listen Address of a Managed Server

When you run the Configuration Wizard after installing Oracle Identity Management or Oracle Portal, Forms, Reports and Discoverer, the listen address for WebLogic Managed Servers is left blank by default (to listen to all network interfaces). If you change the listen address to the actual host name, the Managed Server stops listening from outside the system.

It is recommended that you either leave the listen address blank, or specify the IP address of the host rather than using the host name.

2.3.12 Domain Extension Overwrites JDBC Data Source Name

When a WebLogic Domain with JDBC resources is extended to either Oracle SOA Suite or Oracle WebCenter Portal, the JDBC data source name will be changed. This behavior is commonly observed in cases where WebLogic Server version lower than 9.x is upgraded to a version higher than 9.x and then extended to Oracle SOA Suite or Oracle WebCenter Portal.

To work around this issue, you must manually edit the JDBC data source names.

2.3.13 Rerouting to Original URL After SSO Authentication in Firefox and Safari Browsers

When configuring Oracle Portal, Forms, Reports and Discoverer, when both Oracle HTTP Server and Oracle Web Cache are selected for configuration, re-routing (back to the original URL) after Single Sign-On (SSO) authentication does not work in Firefox and Safari browsers when the initial request comes from Oracle HTTP Server.

The work arounds are to either use the Internet Explorer browser, or manually modify the `INSTANCE_HOME/config/OHS/instance_name/httpd.conf` file and change the `ServerName` entry to include the port number. For example:

```
ServerName examplehost.exampledomain.com
```

should be changed to:

```
ServerName examplehost.exampledomain.com:port
```

Replace `port` with the actual port number.

2.3.14 Deleting the Browser Cache in Browsers

Make sure you clear your browser cache files; otherwise, the objects on your screen (for example, in Oracle Enterprise Manager) may not be refreshed to the latest version, or if you added a new object then it may not appear.

2.4 Known Issues

This section describes known issues. It includes the following topics:

- [Section 2.4.1, "Forms and Reports Builder Not Supported"](#)

2.4.1 Forms and Reports Builder Not Supported

Forms and Reports Builder is not supported on Linux x86-64, Solaris Operating System (SPARC 64-Bit), AIX Based Systems (64-Bit), HP-UX PA-RISC (64-Bit), HP-UX Itanium, and Microsoft Windows x64 (64-Bit) platforms. It is supported on Linux x86 and Microsoft Windows (32-Bit) platforms only.

2.5 Documentation Errata

This section describes documentation errata. It includes the following topic:

- [Section 2.5.1, "Incorrect Option Specified in the RCU Online Help"](#)
- [Section 2.5.2, "Deinstall Instructions Missing for Oracle HTTP Server, Oracle Traffic Director, and Oracle iPlanet 11g Release 1 WebGates for Oracle Access Manager"](#)

2.5.1 Incorrect Option Specified in the RCU Online Help

The RCU online help for the Master and Work Repository Custom Variables for Oracle Data Integrator contains an incorrect option.

For the Work Repository Type, the correct options should be:

- Use **Development (D)** for creating a development repository.
- Use **Execution (E)** for creating an execution repository.

2.5.2 Deinstall Instructions Missing for Oracle HTTP Server, Oracle Traffic Director, and Oracle iPlanet 11g Release 1 WebGates for Oracle Access Manager

The content in this section is missing from the *Installing Webgates for Oracle Access Manager* guide:

2.5.2.1 Deinstalling Oracle HTTP Server, Oracle Traffic Director, and Oracle iPlanet 11g Release 1 WebGates for Oracle Access Manager

You should always use the instructions provided in this section for removing the Oracle HTTP Server, Oracle Traffic Director, and Oracle iPlanet 11.1.1.7.0 WebGates for Oracle Access Manager. If you try to remove the software manually, you may experience problems when you try to reinstall the software again at a later time. Following the procedures in this section will ensure that the software is properly removed.

To deinstall the WebGate agent, do the following:

1. Go to the `MW_HOME/oracle_common/oui/bin` directory.
2. Run the following command:

On UNIX: `./runInstaller -deinstall`

On Windows: `setup.exe -deinstall -jreLoc JRE_LOCATION`

Ensure that you specify the absolute path to your `JRE_LOCATION`; relative paths are not supported.

After the deinstaller starts, the **Welcome** screen is displayed. Proceed with the deinstallation by referring to [Section 2.5.2.1.1](#) for deinstalling 11g Release 1 WebGate agents for Oracle Access Manager.

2.5.2.1.1 Deinstallation Screens and Instructions Follow the instructions in [Table 2–1](#) to complete the deinstallation.

If you need additional help with any of the deinstallation screens, click **Help** to access the online help.

Table 2–1 Deinstallation Flow

Sl. No.	Screen	Description	Action Required
1.	Welcome	Each time the deinstaller starts, the Welcome screen is displayed.	Click Next .
2.	Deinstall Oracle Home	The Deinstall Oracle Home screen shows the Oracle home you are about to deinstall.	<p>Verify the Oracle home you are about to deinstall.</p> <p>Click Deinstall.</p> <p>On the Warning screen, select whether or not you want the deinstaller to remove the Oracle home directory in addition to removing the software.</p> <p>Click Yes to have the deinstaller remove the software and Oracle home, No to remove only the software, or Cancel to return to the previous screen.</p> <p>If you select No, go to Section 2.5.2.1.2 for instructions on how to manually remove your Oracle home directory.</p>
3.	Deinstallation progress	The Deinstallation Progress screen shows the progress and status of the deinstallation.	Wait until the Deinstallation Complete screen appears.
4.	Deinstallation Complete	The Deinstallation Complete screen appears when the deinstallation is complete.	Click Finish to dismiss the screen.

2.5.2.1.2 Manually Removing the Oracle Home Directory If you have selected **No** on the warning dialog box, in the **Deinstall Oracle Home** screen during deinstallation, then you must manually remove your `oracle_common` directory and any sub-directories. For example: if your Oracle Common home directory was `/home/Oracle/Middleware/oracle_common`, run the following commands:

```
cd /home/Oracle/Middleware
rm -rf oracle_common
```

On Windows, if your Oracle Common home directory was `C:\Oracle\Middleware\oracle_common`, then use a file manager window, go to the `C:\Oracle\Middleware` directory, right-click on the `oracle_common` folder, and then select **Delete**.

This chapter describes issues associated with upgrading your environment and your applications to Oracle Fusion Middleware 11g. It includes the following topics:

- [Section 3.1, "General Issues and Workarounds"](#)
- [Section 3.2, "General Issues and Workarounds for Migrating from 11.1.1.1.0"](#)
- [Section 3.3, "Documentation Errata for Upgrade"](#)

Note: This chapter contains issues you might encounter while upgrading any of the Oracle Fusion Middleware products.

Be sure to review the product-specific release note chapters elsewhere in this document for any additional issues specific to the products you are using.

3.1 General Issues and Workarounds

This section describes general issue and workarounds. It includes the following topics:

- [Section 3.1.1, "Patches Required to Address Specific Upgrade and Compatibility Requirements"](#)
- [Section 3.1.2, "Unable to Read Composite Model Error During SOA Application Upgrade"](#)
- [Section 3.1.3, "Oracle BAM Upgrade Issues"](#)
- [Section 3.1.4, "Error When Upgrading Oracle Internet Directory Due to Invalid ODS Schema"](#)
- [Section 3.1.5, "Restore From Backup Required If Upgrade Fails During a Colocated Oracle Internet Directory and Oracle Directory Integration Platform Upgrade"](#)
- [Section 3.1.6, "Cannot Verify Oracle Forms Services Upgrade When Oracle HTTP Server is Running On a Separate Host"](#)
- [Section 3.1.7, "WebCenter Security Upgrade Release Notes"](#)
- [Section 3.1.8, "Oracle B2B Upgrade Release Notes"](#)
- [Section 3.1.9, "Problem Accessing the Welcome Pages in Oracle HTTP Server After Upgrade"](#)
- [Section 3.1.10, "Misleading Error Message When Upgrading Oracle Internet Directory"](#)

- [Section 3.1.11, "Additional Steps Required When Redeploying the SOA Order Booking Sample Application on Oracle Fusion Middleware 11g"](#)
- [Section 3.1.12, "Additional Steps Required When Upgrading Human Taskflow Projects"](#)
- [Section 3.1.13, "Stopping Oracle Virtual Directory Processes During Upgrade"](#)
- [Section 3.1.14, "Providing Input to Upgrade Assistant Screens When Oracle Internet Directory Upgrade Fails"](#)
- [Section 3.1.15, "Upgrading Oracle Access Manager Middle Tier"](#)
- [Section 3.1.16, "Inaccurate Results When Running the Upgrade Assistant Verify Feature"](#)
- [Section 3.1.17, "Missing jdk_version.log File When Launching Upgrade Assistant"](#)
- [Section 3.1.18, "Test Suites in Oracle SOA Suite 10g Projects Not Upgraded to 11g"](#)
- [Section 3.1.19, "Incorrect Wiring When Migrating Certain Oracle SOA Suite 10g Projects to 11g"](#)

3.1.1 Patches Required to Address Specific Upgrade and Compatibility Requirements

In general, Oracle assumes that you are running the latest Oracle Application Server 10g patch sets before you begin the upgrade to Oracle Fusion Middleware 11g.

In addition, in some specific cases, you must apply an additional software patches to your Oracle Application Server 10g components before you start the upgrade process. These patches are designed to address specific interoperability issues that you might encounter while upgrading your Oracle Application Server 10g environment to Oracle Fusion Middleware 11g.

[Table 3–1](#) lists the specific patch sets required to address specific upgrade and compatibility requirements for Oracle Fusion Middleware 11g.

For more information, refer to the following sections:

- [Section 3.1.1.1, "Obtaining Patches and Support Documents From My Oracle Support \(Formerly OracleMetaLink\)"](#)

Table 3–1 Patches Required to Address Specific Upgrade and Compatibility Requirements

Patch Set Number	Description and Purpose	Additional Information
8404955	<p>Before you can perform the Oracle B2B schema upgrade, you must apply this required patch to the Oracle Application Server Integration B2B 10g Release 2 (10.1.2) middle tier.</p> <p>This patch set is required in order to enable the Java command that you use to export the trading partner agreements, as described in the following step.</p>	"Task 6b: If Necessary, Upgrade the B2B Schema" in the <i>Oracle Fusion Middleware Upgrade Guide for Oracle SOA Suite, WebCenter, and ADF</i>
5746866	<p>If the database that hosts your Oracle Application Server 10g schemas is an Oracle Database 10g (10.1.0.x) database, then make sure that this database patch (or database patch 5126270) has been applied to the 10g (10.1.0.x) database before you upgrade the database to the required Oracle Database 10g (10.2.0.4).</p> <p>Note that database patch 5746866 includes patch 5126270.</p>	"Upgrading to Oracle Database 10g Release 2 (10.2.0.4)" in the <i>Oracle Fusion Middleware Upgrade Planning Guide</i>
7685124	Apply this patch against Oracle Secure Enterprise Search (10.1.8.3.0) before you attempt to use Oracle Secure Enterprise Search with Oracle Portal 11g.	"Oracle Secure Enterprise Search" in the <i>Oracle Fusion Middleware Administrator's Guide for Oracle Portal</i> Section 32.4, "Interoperability Issues and Workarounds"
8372141	<p>Apply this patch on your Oracle Application Server 10g Release 3 (10.1.3.4) environment to enable interoperability between Oracle SOA Suite 10g Release 3 (10.1.3.4) and Oracle BPEL Process Manager 11g.</p> <p>This patch is also referred to as the Oracle SOA Suite 10g Release 3 (10.1.3.4) Cumulative MLR #7.</p>	"Upgrading Oracle SOA Suite Client Applications" in the <i>Oracle Fusion Middleware Upgrade Guide for Oracle SOA Suite, WebCenter, and ADF</i>
6522654	<p>Apply this patch to your Oracle Database before you attempt to upgrade your Oracle BAM schema.</p> <p>If you do not apply this patch to your Oracle Database 10g (10.2.0.3), 10g (10.2.0.4), or Oracle Database 11g (11.1.0.7) before performing the schema upgrade, you will likely see the following error:</p> <pre>BAM MRUA: SCHEMA UPGRADE FAILED SQLException: ORA-39002: invalid operation</pre> <p>The description for this patch on My Oracle Support is "USING DATA PUMP THROUGH DBLINK CAUSED DATA CORRUPTION FOR CLOB VALUES".</p>	"Task 6c: If Necessary, Upgrade the BAM Schema" in the <i>Oracle Fusion Middleware Upgrade Guide for Oracle SOA Suite, WebCenter, and ADF</i> Section 3.1.3.1, "Datapump Export for Oracle BAM Upgrade Plug-in Fails in Oracle Database 10g (10.2.0.3), 10g (10.1.2.0.4), and Oracle Database 11g (11.1.0.7)"

Table 3–1 (Cont.) Patches Required to Address Specific Upgrade and Compatibility Requirements

Patch Set Number	Description and Purpose	Additional Information
7675269	<p>Apply this patch to prevent the occurrence of an ORA-01591 error in an Oracle Real Application Clusters (Oracle RAC) 11g (11.1.0.7) database.</p> <p>This error can occur for rows locked by transactions which were in the middle of two-phase commit.</p> <p>The description of this patch on My Oracle Support is "ODAC 2008:RAC NODE AFFINITY: DISTRIBUTED TXN ABORTS WITH ORA-01591."</p>	"Upgrading and Preparing Your Databases" in the <i>Oracle Fusion Middleware Upgrade Planning Guide</i>
8291981	<p>Apply this patch to correct a problem where Metadata Repository (MDS) queries against an Oracle Database 11g (11.1.0.7) database do not find all of the results (documents or elements) that they should.</p> <p>The description of this patch on My Oracle Support is: "SELECT INCORRECT RESULTS: SOME RESULTS NOT FOUND".</p>	"Managing the MDS Repository" in the <i>Oracle Fusion Middleware Administrator's Guide</i>
9007079	<p>Apply this bundled patch to your Oracle Database 11g (11.1.0.7) Real Application Clusters (Oracle RAC) environment to address three known issues while using the Oracle RAC database with Oracle Fusion Middleware Oracle SOA Suite components.</p> <p>See the Readme file for the patch for a list of the bugs addressed by the patch.</p> <p>The description of this patch on My Oracle Support is: "MERGE REQUEST FOR 8886255 AND 7675269".</p>	"Oracle Real Application Clusters and Fusion Middleware" in the <i>Oracle Fusion Middleware High Availability Guide</i> .
8607693	<p>Apply this patch to your Oracle Real Application Clusters (Oracle RAC) 11g (11.1.0.7) database to prevent an error that can occur if an XA transaction branch was being asynchronously rolled back by two or more sessions.</p> <p>The description of this patch on My Oracle Support is: "STRESS SOA - ORA-00600: INTERNAL ERROR CODE, ARGUMENTS: [504] (Oracle AC)".</p>	"Oracle Real Application Clusters and Fusion Middleware" in the <i>Oracle Fusion Middleware High Availability Guide</i> .
7682186	<p>Apply this patch to your Oracle Real Application Clusters (Oracle RAC) 11g (11.1.0.7) database to prevent an issue that results in an ORA-600 error.</p> <p>Behavior includes CR-inconsistencies between index and the block, or incorrect results in an Oracle RAC multi-node global transaction environment.</p> <p>The description of this patch on My Oracle Support is: "ORA-600[KDSGRP1] SIGNALLED DURING BUGOLTP-XA WORKLOAD".</p>	"Oracle Real Application Clusters and Fusion Middleware" in the <i>Oracle Fusion Middleware High Availability Guide</i> .

3.1.1.1 Obtaining Patches and Support Documents From My Oracle Support (Formerly OracleMetaLink)

To obtain a patch, log in to My Oracle Support (formerly OracleMetaLink), click **Patches and Updates**, and search for the patch number:

<http://support.oracle.com/>

To obtain a support note or document, log in to My Oracle Support and enter the support note number in the **Quick Find** search field at the top of the My Oracle Support window and search the Knowledge Base for the note number.

3.1.2 Unable to Read Composite Model Error During SOA Application Upgrade

The *Oracle Fusion Middleware Upgrade Guide for Oracle SOA Suite, WebCenter, and ADF* describes how Oracle JDeveloper 11g will automatically upgrade specific features of your Oracle SOA Suite 10g applications to 11g.

However, if you see the following error while upgrading your application in JDeveloper 11g, then you can safely ignore the error. Your application will be upgraded, but you will need to create a new SOA-SAR deployment profile after the application upgrade. And use this newly created profile for deploying SOA composite:

```
SEVERE: Unable to read composite model for project project_name
```

For more information, see 43.2, "Deploying a Single SOA Composite in Oracle JDeveloper," in the *Oracle Fusion Middleware Developer's Guide for Oracle SOA Suite*.

3.1.3 Oracle BAM Upgrade Issues

The following sections provide information about specific issues related to upgrading Oracle BAM 10g to Oracle BAM 11g:

- [Section 3.1.3.1, "Datapump Export for Oracle BAM Upgrade Plug-in Fails in Oracle Database 10g \(10.2.0.3\), 10g \(10.1.2.0.4\), and Oracle Database 11g \(11.1.0.7\)"](#)
- [Section 3.1.3.2, "Dependent Alerts Do Not Upgrade Correctly"](#)
- [Section 3.1.3.3, "Problem Upgrading a Report that Contains Calculated Fields"](#)
- [Section 3.1.3.4, "Calculated Fields Reference the Field ID Rather Than Field Names After Upgrade to Oracle BAM 11g"](#)
- [Section 3.1.3.5, "Using the Oracle BAM 11g Samples After Upgrade from Oracle BAM 10g"](#)

3.1.3.1 Datapump Export for Oracle BAM Upgrade Plug-in Fails in Oracle Database 10g (10.2.0.3), 10g (10.1.2.0.4), and Oracle Database 11g (11.1.0.7)

Before you upgrade the Oracle BAM 11g schema to 11g, you must first apply patch 6522654 to your Oracle Database 10g (10.2.0.3), 10g (10.1.2.0.4), and Oracle Database 11g (11.1.0.7).

If you do not apply this patch, then you will likely experience the following error during Oracle BAM schema upgrade:

```
BAM MRUA: SCHEMA UPGRADE FAILED SQLException: ORA-39002: invalid operation
```

For more information, see [Section 3.1.1, "Patches Required to Address Specific Upgrade and Compatibility Requirements"](#).

3.1.3.2 Dependent Alerts Do Not Upgrade Correctly

When an alert in Oracle BAM 10g is dependent upon another alert, the dependent alert keeps a reference to the parent alert with a GUID reference. When such an alert is exported from 10g it will contain a GUID reference to the parent alert, and import to an Oracle BAM 11g system is not successful.

The following modification to the exported alert definition file can be used as a workaround for import to an Oracle BAM 11g system.

Edit the exported file contents of the dependent alert from the Oracle BAM 10g system, and modify the following element containing reference to parent alert.

Change this:

```
&lt;param name="RuleID" order="0">  
  //private:weblogic/Rule/624567ffe84de34c-6e6bdbaa120eb7f6ea6-8000  
&lt;/param>
```

To this:

```
&lt;param name="RuleID" order="0">  
  ParentAlertName  
&lt;/param>
```

In other words, the GUID reference for parent alert must be replaced by the parent alert's name.

3.1.3.3 Problem Upgrading a Report that Contains Calculated Fields

If you created a report in Oracle BAM 10g or in Oracle BAM 11g Release 1 (11.1.1.1.0) and the report contains calculated fields that use using `datetime` type fields, then the Calculations tab displays this error in Oracle BAM 11g Release 1 (11.1.1.2.0):

```
BAM-01610: INVALID FILTER EXPRESSION
```

More specifically, this error occurs when the calculation is an expression for equality check against a `datetime` field in String format. For example, for a `datetime` field such as Last Modified, the following calculation does not work:

```
If {Last Modified}=="7/18/2002 1:33:10 PM"
```

Before you can upgrade the report, you must remove the calculated fields.

3.1.3.4 Calculated Fields Reference the Field ID Rather Than Field Names After Upgrade to Oracle BAM 11g

After upgrading to Oracle BAM 11g Release 1 (11.1.1.2.0), any calculated fields in your reports will reference fields by the field ID, rather than the field name.

Specifically, after upgrade, the field name referenced in the expression will be converted to use the field id (for example, `_Num_Sold`).

For example, the field reference might appear as follows after the upgrade:

```
If ({_Num_Sold}==5000)  
  Then ("met")  
  Else ("notmet")
```

Note that the calculated fields will continue to work after the upgrade and after this automatic conversion.

3.1.3.5 Using the Oracle BAM 11g Samples After Upgrade from Oracle BAM 10g

When you install Oracle BAM 11g, the installer copies a set of sample applications to the Oracle SOA Suite Oracle home. Refer to the following sections for more information about using these samples after upgrading to Oracle BAM 11g from Oracle BAM 10g:

- [Section 3.1.3.5.1, "General Information About the Oracle BAM Samples"](#)
- [Section 3.1.3.5.2, "Removing Any 10g Sample Applications Before Configuring the Oracle BAM 11g Samples"](#)

For information about using the Oracle BAM 11g after migrating from Oracle Fusion Middleware 11g Release 1 (11.1.1.1.0), see [Section 3.2.7, "Using the Oracle BAM 11g Prepackaged Samples After Migrating from 11.1.1.1.0"](#).

3.1.3.5.1 General Information About the Oracle BAM Samples The Oracle Fusion Middleware installer copies the Oracle BAM samples to the following location in the Oracle SOA Suite Oracle home:

```
SOA_ORACLE_HOME/bam/samples/bam/
```

Instructions for configuring and using the samples, as well as updated samples, can be found at the following URL on the Oracle Technology Network (OTN):

<http://www.oracle.com/technology/products/integration/bam/collateral/samples11g.html>

The instructions explain how to use the `propt` setup script to configure the demos in your Oracle BAM 11g environment. You can also find individual `readme` file for each demo within each sample directory.

3.1.3.5.2 Removing Any 10g Sample Applications Before Configuring the Oracle BAM 11g Samples Before you use the instructions on OTN to set up the Oracle BAM 11g samples, remove any data objects, reports, or alerts associated with any existing 10g samples.

For example, be sure to remove any artifacts associated with the Oracle BAM 10g Call Center and Atherton demos before you run the setup scripts.

3.1.4 Error When Upgrading Oracle Internet Directory Due to Invalid ODS Schema

If you receive an error when using the Upgrade Assistant to upgrade the Oracle Internet Directory schema from 10g Release 2 (10.1.2.3) to 11g, then verify that the ODS 10g schema is valid.

To view the status of the Oracle Application Server 10g schemas in your database, use the following SQL command:

```
SELECT comp_id, version, status FROM app_registry;
```

If the output from this command shows that the ODS schema is `INVALID`, then use the instructions in the following My Oracle Support document to install and configure Referential Integrity:

730360.1, "Referential Integrity in Oracle Internet Directory Version 10.1.2.3"

After performing the instructions in the support document, then retry the Oracle Internet Directory schema upgrade.

3.1.5 Restore From Backup Required If Upgrade Fails During a Colocated Oracle Internet Directory and Oracle Directory Integration Platform Upgrade

If you are using the Upgrade Assistant to upgrade both Oracle Internet Directory and Oracle Directory Integration Platform, consider the following.

If the Oracle Internet Directory upgrade fails, then before you can run the Upgrade Assistant again, you must restore your Oracle Internet Directory 10g backup before you can run the Upgrade Assistant again. Otherwise, the Upgrade Assistant will not attempt to upgrade Oracle Directory Integration Platform.

3.1.6 Cannot Verify Oracle Forms Services Upgrade When Oracle HTTP Server is Running On a Separate Host

If you use the Upgrade Assistant to upgrade an Oracle Forms Services instance that does not include a local instance of Oracle HTTP Server, then the Verify feature of the Upgrade Assistant cannot verify that the upgrade was successful. Instead of reporting that the upgrade was successful, the Verify feature will report that the server is unavailable. This verification error may not be valid if the Oracle HTTP Server is installed and configured on a different host than the Oracle Forms Services instance.

3.1.7 WebCenter Security Upgrade Release Notes

The following bugs/release notes relate to security changes for Custom WebCenter applications upgrading from 10.1.3.x:

- [Section 3.1.7.1, "RowSetPermission check fails with compatibility flag set"](#)
- [Section 3.1.7.2, "Grants not migrated properly if application contains grants without permissions"](#)
- [Section 3.1.7.3, "Shared/public credentials not found after external application deployed"](#)

3.1.7.1 RowSetPermission check fails with compatibility flag set

In 10.1.3, the ADF framework performed rowset, attribute, and method permission checks in addition to page permission checks. If a 10.1.3 application grants 'read' permission on the rowset and attribute and 'invoke' permission on the method for all users, then the application will behave as expected in 11R1 without any additional setup.

However, if the 10.1.3 application was designed to allow only certain users to view the rowset, attribute, or invoke method, then a special flag needs to be set to support this style of security. If this flag is not set, then anyone who has page access can view attributes and rowsets and invoke methods since in 11R1 the permission check is performed only on pages and taskflows. The flag must be set for each application in the `adf-config.xml` file.

```
<sec:adf-security-child xmlns="http://xmlns.oracle.com/adf/security/config">
  <JaasSecurityContext
    initialContextFactoryClass=
      "oracle.adf.share.security.JAASInitialContextFactory"
    jaasProviderClass=
      "oracle.adf.share.security.providers.jps.JpsSecurityContext"
    authorizationEnforce="true"/>
  <contextEnv name="oracle.adf.security.metadata" value="false"/>
  <CredentialStoreContext
    credentialStoreClass=
      "oracle.adf.share.security.providers.jps.CSFCredentialStore"
```

```
credentialStoreLocation="../../src/META-INF/jps-config.xml"/>
</sec:adf-security-child>
```

3.1.7.2 Grants not migrated properly if application contains grants without permissions

Grants are not migrated properly if a 10.1.3 application contains grants without any permissions. Developers should inspect the `app-jazn-data.xml` file in the 10.1.3 workspace and remove any grants that have empty permission set prior to performing the migration.

3.1.7.3 Shared/public credentials not found after external application deployed

If you have secured your 10.1.3 application, ensure there are no duplicate `JaasSecurityContext` and `CredentialStoreContext` elements in the application's `adf-config.xml` file prior to migration. In the following example, the first `JaasSecurityContext` element is empty and should be removed (see "Remove entry" in the XML snippet below).

```
<adf-config-child xmlns="http://xmlns.oracle.com/adf/security/config">
  <CredentialStoreContext
    credentialStoreClass=
      "oracle.adf.share.security.providers.jazn.JAZNCredentialStore"
    credentialStoreDefaultUser="anonymous"
    credentialStoreLocation="./credential-store.xml"/>
  <JaasSecurityContext/> <!--Remove entry-->
  <JaasSecurityContext
    initialContextFactoryClass=
      "oracle.adf.share.security.JAASInitialContextFactory"
    jaasProviderClass=
      "oracle.adf.share.security.providers.jazn.JAZNSecurityContext"
    authorizationEnforce="true"/>
</adf-config-child>
```

3.1.8 Oracle B2B Upgrade Release Notes

The following release notes apply when you are upgrading Oracle B2B 10g to Oracle B2B 11g:

- [Section 3.1.8.1, "Service Name Is Required When Using ebMS with Oracle B2B"](#)
- [Section 3.1.8.2, "Converting Wallets to Keystores for Oracle B2B 11g"](#)
- [Section 3.1.8.3, "Oracle B2B UCCnet Documents Not Upgraded to 11g"](#)
- [Section 3.1.8.4, "Errors in the Upgrade Log Files Even When Oracle B2B Schema Upgrade is Successful"](#)

3.1.8.1 Service Name Is Required When Using ebMS with Oracle B2B

Because the Service Name parameter is required when using the ebMS protocol in Oracle B2B 11g, you may need to provide a value for this field after importing 10g data.

With the agreement in the draft state, update the field on the **Partners > Documents** tab. When you select a document definition that uses the ebMS protocol, the **Document Type > ebMS** tab appears in the Document Details area. The Service Name field is on this tab.

3.1.8.2 Converting Wallets to Keystores for Oracle B2B 11g

After upgrading to Oracle B2B 11g, use the `orapki pkcs12_to_jks` option to replace the entire keystore. Convert the wallet to a keystore as follows:

1. Back up the original keystore.
2. Use the `orapki wallet pkcs12_to_jks` option to convert to the keystore.
3. Use `keytool -list` to list the aliases and verify.
4. Use `keytool -importkeystore` to import the converted keystore to the backup of the original keystore (as done in Step 1)

3.1.8.3 Oracle B2B UCCnet Documents Not Upgraded to 11g

OracleAS Integration B2B provides support for UCCnet under the Custom Document option. UCCnet is a service that enables trading partners to exchange standards-compliant data in the retail and consumer goods industries.

Note, however, that UCCnet documents are not upgraded automatically to Oracle B2B 11g. For information about using UCCnet documents in Oracle B2B 11g, see "Using the UCCnet Document Protocol" in the *Oracle Fusion Middleware User's Guide for Oracle B2B*.

3.1.8.4 Errors in the Upgrade Log Files Even When Oracle B2B Schema Upgrade is Successful

When you use Oracle Fusion Middleware Upgrade Assistant upgrade the Oracle B2B schema, some errors might appear in the upgrade log files even if the Oracle B2B schema upgrade is successful.

For example, you might see an error, such as the following:

```
oracle.jrf.UnknownPlatformException: JRF is unable to determine the current application server platform
```

As long as the Upgrade Assistant reports that the upgrade was successful, these errors can be safely ignored. They will be addressed in a future release.

For more information about troubleshooting upgrade issues, including how to use the upgrade log files, see "General Troubleshooting Guidelines" in the *Oracle Fusion Middleware Upgrade Planning Guide*.

For more information about the Oracle B2B schema upgrade, see "If Necessary, Upgrade the B2B Schema," in the Oracle Fusion Middleware Upgrade Guide for Oracle SOA Suite, WebCenter, and ADF.

3.1.9 Problem Accessing the Welcome Pages in Oracle HTTP Server After Upgrade

After you upgrade to Oracle HTTP Server 11g, the `DirectoryIndex` directive in the `httpd.conf` set to `index.html`. As a result, if you go to the recommended URL to view the Oracle Fusion Middleware Welcome pages you instead see the "hello world" sample application page.

To address this issue:

1. Edit the `httpd.conf` file in the following location:

```
ORACLE_INSTANCE/config/OHS/ohs_component_name/
```

2. Locate the `DirectoryIndex` directive in the `httpd.conf` file and change `index.html` to `welcome-index.html`.

- Restart the Oracle HTTP Server instance.

3.1.10 Misleading Error Message When Upgrading Oracle Internet Directory

When upgrading to Oracle Internet Directory 11g, you might notice an error message in the Upgrade Assistant ([Example 3-1](#)). This error message indicates that some managed processes failed to start.

You can safely ignore this message, as long as the Upgrade Assistant messages also indicates that all components were upgraded successfully. This error occurs when the Upgrade Assistant attempts to start the Oracle Enterprise Manager agent and the agent is already running.

Example 3-1 Error Message When Upgrading Oracle Internet Directory

```
-----
Starting Destination Components
  Starting OPMN and managed processes in the destination Oracle instance.
  ->UPGAST-00141: startup of 11g OPMN managed processes failed.
  Starting WebLogic managed server wls_ods1
  Clicked OK to continue
  Upgrade Progress 100%
  All components were upgraded successfully.
-----
```

3.1.11 Additional Steps Required When Redeploying the SOA Order Booking Sample Application on Oracle Fusion Middleware 11g

Appendix A of the *Oracle Fusion Middleware Upgrade Guide for Oracle SOA Suite, WebCenter, and ADF* provides an example of how to use Oracle JDeveloper 11g upgrade and redeploy a complex application on Oracle Fusion Middleware 11g.

However, after you install Oracle Fusion Middleware 11g (11.1.1.3.0), you must perform the following additional tasks before you can successfully compile and deploy the application with Oracle JDeveloper 11g:

- Before you open and upgrade the application with Oracle JDeveloper 11g, edit the original `web.xml` and replace the `<web-app>` element with the following:

```
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
  http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd"
  version="2.5" xmlns="http://java.sun.com/xml/ns/javaee">
```

- Follow the steps in Appendix A of the *Oracle Fusion Middleware Upgrade Guide for Oracle SOA Suite, WebCenter, and ADF* to open the SOA Order Booking application in Oracle JDeveloper 11g and to upgrade the projects within the application.
- When you get to Section A.8.10, "ApproveOrderTaskForm," open the `web.xml` and verify that it contains a `<servlet>` element and `<servlet_mapping>` element for the `WFTTaskUpdate` servlet.

If such an element does not exist in the `web.xml` file, then edit the `web.xml` file and add the elements shown in [Example 3-2](#).

- Continue with the rest of the instructions for deploying the project.

Example 3-2 Servlet Elements to Add to the SOA Order Booking web.xml File

```
<servlet>
  <servlet-name>
```

```
        WFTaskUpdate
    </servlet-name>
    <servlet-class>
        oracle.bpel.services.workflow.worklist.servlet.WFTaskUpdate
    </servlet-class>
</servlet>
<servlet-mapping>
    <servlet-name>
        WFTaskUpdate
    </servlet-name>
    <url-pattern>
        /WFTaskUpdate
    </url-pattern>
</servlet-mapping>
```

3.1.12 Additional Steps Required When Upgrading Human Taskflow Projects

By default, if you deploy an upgraded Oracle SOA Suite 10g Release 3 (10.1.3) application that includes a Human Taskflow project on Oracle Fusion Middleware 11g (11.1.1.3.0), you will not be able to view the taskflow details.

To work around this problem, perform the following additional steps when you are deploying an application with a Human Taskflow project:

1. Before you open and upgrade the application with Oracle JDeveloper 11g, edit the original `web.xml` and replace the `<web-app>` element with the following:

```
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
        xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
        http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd"
        version="2.5" xmlns="http://java.sun.com/xml/ns/javaee">
```

2. After you open and upgrade the application in Oracle JDeveloper 11g, do the following:
 - a. In Oracle JDeveloper 11g, deploy the application to an EAR file.
 - b. Expand the EAR file on disk, and then expand the packaged WAR file on disk.

For example:

```
jar -xvf ear_file_name.ear
jar -xvf war_file_name.war
```

- c. Open the `web.xml` file in the `WEB-INF` directory of the WAR file and comment out the following entry:

```
<!--servlet-mapping>
    <servlet-name>jsp</servlet-name>
    <url-pattern>*.jsp</url-pattern>
</servlet-mapping-->
```

- d. Repackage WAR and subsequently the EAR.

For example:

```
jar -cvf war_file_name.war *
jar -cvf ear_file_name.ear *
```

- e. Deploy the EAR using the WebLogic Administration Console.

Note that is important that you use the Oracle WebLogic Server Administration Console to deploy the application and not Oracle JDeveloper

11g. This is because Oracle JDeveloper forces a rebuild of the application and your changes will be overwritten.

3.1.13 Stopping Oracle Virtual Directory Processes During Upgrade

When upgrading Oracle Virtual Directory to 11g, you must manually stop Oracle Virtual Directory processes if multiple Oracle Virtual Directory processes are running. When you attempt to stop Oracle Virtual Directory, only the last process that started will stop. If multiple Oracle Virtual Directory processes are running, you must use the `kill -9` command to stop the processes before upgrading to Oracle Virtual Directory 11g.

3.1.14 Providing Input to Upgrade Assistant Screens When Oracle Internet Directory Upgrade Fails

If Oracle Internet Directory upgrade fails during the **Examine** phase in the upgrade process, do not modify the input you entered in the screens. Instead, dismiss the Upgrade Assistant wizard and the upgrade process again.

3.1.15 Upgrading Oracle Access Manager Middle Tier

When running the Upgrade Assistant to upgrade the Oracle Single Sign-On 10g to Oracle Access Manager 11g, you must run the Upgrade Assistant from the same machine where your Oracle Access Manager Managed Server is running.

3.1.16 Inaccurate Results When Running the Upgrade Assistant Verify Feature

For some upgrade scenarios, the Oracle Fusion Middleware Upgrade Assistant provides a Verify feature that attempts to analyze the upgraded 11g environment. When you run the Verify feature, the Upgrade Assistant automatically reports any problems it finds with the upgraded environment.

However, there are cases where the Verify feature incorrectly identifies a problem. For example, when single sign-on is enabled, the Verify feature might report that it cannot access specific URLs for the upgraded components.

In these cases, you should enter the URL directly into a Web browser to verify the URL. In those cases, the URL might indeed be valid and you can ignore the errors generated by the Verify feature.

3.1.17 Missing `jdk_version.log` File When Launching Upgrade Assistant

When you start the Oracle Fusion Middleware Upgrade Assistant to begin an upgrade of the Oracle Identity and Access Management products, the Upgrade Assistant might display an error message in the terminal window that indicates that the following file is missing:

```
temp\jdk_version.log
```

If you see this error, quit the Upgrade Assistant and manually create the following directory before running the Upgrade Assistant:

```
ORACLE_HOME/upgrade/temp
```

In this example, `ORACLE_HOME` is the directory where Oracle Identity and Access Manager product is installed.

3.1.18 Test Suites in Oracle SOA Suite 10g Projects Not Upgraded to 11g

When you upgrade your Oracle SOA Suite 10g projects to Oracle SOA Suite 11g, test suites defined in your Oracle JDeveloper projects will not be upgraded to 11g. In most cases, you will have to modify or recreate your test suites in Oracle JDeveloper 11g.

For more information, refer to the following:

- "Correcting Problems With Oracle BPEL Process Manager Test Suites" in the *Oracle Fusion Middleware Upgrade Guide for Oracle SOA Suite, WebCenter, and ADF*
- "Automating Testing of SOA Composite Applications" in the *Oracle Fusion Middleware Developer's Guide for Oracle SOA Suite*

3.1.19 Incorrect Wiring When Migrating Certain Oracle SOA Suite 10g Projects to 11g

When you migrate certain Oracle SOA Suite 10g projects to 11g, the migration tool wires the composite incorrectly. This occurs if there are duplicate `porttypes` or `partnerlinktypes`.

The workaround for this issue is to make sure that the `porttypes` or `partnerlinktypes` are unique, and adjust the references before you start the migration process.

3.2 General Issues and Workarounds for Migrating from 11.1.1.1.0

This section describes general issue and workarounds that apply only if you are starting with Oracle Fusion Middleware 11g Release 1 (11.1.1.1.0) and you are using the instructions in Appendix B, "Using Patch Assistant to Migrate from 11g Release 1 (11.1.1.1.0) to Release 1 (11.1.1.2.0)" in the *Oracle Fusion Middleware Patching Guide*.

This section includes the following topics:

- [Section 3.2.1, "Stopping the 11.1.1.2.0 Domain"](#)
- [Section 3.2.2, "Patching the Schema for Oracle Internet Directory"](#)
- [Section 3.2.3, "Changing the patchmaster.ValidationErrorContinue Property"](#)
- [Section 3.2.4, "Changing the Default Setting for Validation Tasks"](#)
- [Section 3.2.5, "Severe Error When Running the execute-sql-rcu Macro"](#)
- [Section 3.2.6, "Machine Names Do Not Appear in the Oracle WebLogic Server Administration Console"](#)
- [Section 3.2.7, "Using the Oracle BAM 11g Prepackaged Samples After Migrating from 11.1.1.1.0"](#)

3.2.1 Stopping the 11.1.1.2.0 Domain

While stopping the 11.1.1.2.0 domain by using the `ant master-stop-domain-new` command, you may see the following exceptions if the Administration Server and the Managed Servers are down:

```
java.net.ConnectException: Connection refused: connect; No available router to destination.
```

The admin server and the managed servers should be up while running the command.

3.2.2 Patching the Schema for Oracle Internet Directory

While patching the schema for Oracle Internet Directory, ensure that you specify only OID as the parameter for the `patchMaster.Componentlist` property in the `patchMaster.properties` file.

3.2.3 Changing the `patchmaster.ValidationErrorContinue` Property

By default, the `patchMaster.ValidationErrorMessageContinue` file appears as `patchmaster.ValidationErrorMessageContinue`. When you run this property, an error occurs.

Therefore, if you are using this property, replace the default property with `patchMaster.ValidationErrorMessageContinue` before running Patch Assistant.

3.2.4 Changing the Default Setting for Validation Tasks

Patch Assistant validates the properties specified in the `patchMaster.properties` file. Additionally it performs the following validation tasks:

- Verify whether the potential source, target home, and instance paths exist.
- Verify locations to discover if they are an instance, home, and so on.
- Validate individual migration task. For example, if you are migrating a domain, then schema-based properties are not required. If the schema-based properties are specified, be sure to set the complete and proper set of schema-based properties.
- Attempts to recognize exceptions to specific components. For example, if Oracle Internet Directory is solely specified as the component being patched, then the property `patchMaster.Schemaprefix` is not necessary. However, if other components are being patched, then it is assumed that `patchMaster.Schemaprefix` is a necessary part of schema property validation.

If you want to continue with the Patch Assistant task after a validation error occurs, then you can open the `patchMaster.properties` file (Located in your `patchMaster` directory) in a text editor, and change the value to `true` for the `patchMaster.ValidationErrorMessageContinue` property (The default value is `false`). Alternatively, you can use the Ant command-line utility to override the properties set in the `patchMaster.properties` file. You must specify the required property on the command line as follows:

```
ant-DpatchMaster.ValidationErrorMessageContinue
```

3.2.5 Severe Error When Running the `execute-sql-rcu` Macro

When running the `execute-sql-rcu` macro, you may see the following error message, while the SQL script is still running:

```
[java] SEVERE: Error while registering Oracle JDBC Diagnosability MBean.
[java] java.security.AccessControlException: access denied
(javax.management.MBeanTrustPermission register)
```

To resolve this error, you must grant the register permission by adding the following syntax to the `java.policy` file (Located at `JAVA_HOME/jre/lib/security` in UNIX and `JAVA_HOME\jre\lib\security` in Windows):

```
.
grant codeBase "file:${PATCH-MASTER-HOME}/lib/*.jar" {
    permission javax.management.MBeanTrustPermission "register";
};
```

Note: Ensure that you replace {PATCH-MASTER-HOME} with your home path.

3.2.6 Machine Names Do Not Appear in the Oracle WebLogic Server Administration Console

After running Patch Assistant, you cannot see the list of machines (Machine-0 and Machine-1) configured during 11.1.1.1.0 and 11.1.1.2.0, in the Oracle WebLogic Server Administration Console. After migrating to 11.1.1.2.0, you must re-enter the machine names using the Oracle WebLogic Server Administration Console. For more information, see Create and configure machines topic in the *Oracle Fusion Middleware Oracle WebLogic Server Administration Console Online Help*.

3.2.7 Using the Oracle BAM 11g Prepackaged Samples After Migrating from 11.1.1.1.0

If you are using the Oracle BAM 11g sample applications, refer to the following sections for information about using the samples after migrating from Oracle Fusion Middleware 11g Release 1 (11.1.1.1.0) to Release 1 (11.1.1.2.0):

- [Section 3.2.7.1, "Configuring the Oracle BAM 11g Samples After Migrating from 11.1.1.1.0"](#)
- [Section 3.2.7.2, "Using the Foreign Exchange Sample After Migrating from 11.1.1.1.0"](#)

For more information about the Oracle BAM 11g samples, see [Section 3.1.3.5.1, "General Information About the Oracle BAM Samples"](#).

3.2.7.1 Configuring the Oracle BAM 11g Samples After Migrating from 11.1.1.1.0

After you migrate from Oracle Fusion Middleware 11g Release 1 (11.1.1.1.0) to 11g Release 1 (11.1.1.2.0), be sure to run the proper setup script for setting up samples. Specifically, you must run the recreate script instead of the setup script.

For more information, see the readme file for each of the Oracle BAM 11g samples.

3.2.7.2 Using the Foreign Exchange Sample After Migrating from 11.1.1.1.0

After you run the recreate script to set up the Foreign Exchange sample after migrating from 11.1.1.1.0, you might experience the following error when you open the report (Shared Reports/Demos/Foreign Exchange):

```
The "Trade Volume" has an error:  
CACHEEXCEPTION_NULL_NULL_NULL  
Message:BAM-01274: The field ID 1 is not recognized.
```

To fix this problem, perform the following steps:

1. Open Active Studio.
2. Open the report:
`Shared Reports/Demos/Foreign Exchange/SLAViolation Report`
3. Click **Edit**.
4. Select the **Trade Volume** view and click **Edit View**.
5. In the **Fields** tab under **Group By**, select the field **GroupBy**.
6. Go to the **Surface Prompts** tab.

7. From the **Display in** drop-down menu, in select **View Title**.
8. Click **Apply** and save the report.

Visit the Oracle BAM samples page on OTN regularly to obtain updated samples and more information about the Oracle BAM sample applications.

3.3 Documentation Errata for Upgrade

This section provides documentation errata for the following guides:

- [Section 3.3.1, "Documentation Errata for the Oracle Fusion Middleware Upgrade Guide for Java EE"](#)

3.3.1 Documentation Errata for the Oracle Fusion Middleware Upgrade Guide for Java EE

This section contains documentation errata for the *Oracle Fusion Middleware Upgrade Guide for Java EE*. It contains the following sections:

- [Section 3.3.1.1, "Clarification of Post-Upgrade Tasks for SSL-Enabled Oracle HTTP Server"](#)

3.3.1.1 Clarification of Post-Upgrade Tasks for SSL-Enabled Oracle HTTP Server

Section 7.5.2, "Verifying and Updating the Oracle HTTP Server and Oracle Web Cache Ports After Upgrade" in the *Oracle Fusion Middleware Upgrade Guide for Java EE* provides information about additional post-upgrade steps you must perform for Oracle HTTP Server in some situations.

Specifically, if you decide to use the new ports defined for your Oracle Fusion Middleware 11g installation, rather than ports used for your Oracle Application Server 10g installation, then you should verify the listening ports, origin servers, site definitions, and site-to-server mapping settings, and make changes if appropriate.

This section fails to mention that you should perform this task even if the Oracle HTTP Server instance and Oracle Web Cache instance reside in the same Oracle home and you upgrade them together.

For example, if you have enabled end-to-end SSL in your 10g environment, then you must edit the `ssl.conf` file in the upgraded Oracle home to ensure that the `ServerName` entry in the Oracle HTTP Server 11g `ssl.conf` file is correct. Locate the `ssl.conf` file in the Oracle Fusion Middleware 11g Oracle home, and verify that the `ServerName` directive is set to the 11g Oracle Web Cache host and listening port:

For example:

```
ServerName testbox01.example.com:443
```

Oracle Fusion Middleware Administration

This chapter describes issues associated with Oracle Fusion Middleware administration. It includes the following topics:

- [Section 4.1, "General Issues and Workarounds"](#)
- [Section 4.2, "Configuration Issues and Workarounds"](#)
- [Section 4.3, "Documentation Errata for the Oracle Fusion Middleware Administrator's Guide"](#)

Note: This chapter contains issues you might encounter while administering any of the Oracle Fusion Middleware products.

Be sure to review the product-specific release note chapters elsewhere in this document for any additional issues specific to the products you are using.

4.1 General Issues and Workarounds

This section describes general issue and workarounds. It includes the following topics:

- [Section 4.1.1, "Clarification About Path for OPMN"](#)
- [Section 4.1.2, "Fusion Middleware Control May Return Error in Mixed IPv6 and IPv4 Environment"](#)
- [Section 4.1.3, "Deploying JSF Applications"](#)
- [Section 4.1.4, "Limitations in Moving from Test to Production"](#)
- [Section 4.1.5, "Limitations in Moving Oracle Business Process Management from Test to Production Environment"](#)
- [Section 4.1.6, "Message Returned with Incorrect Error Message Level"](#)

4.1.1 Clarification About Path for OPMN

OPMN provides the `opmnctl` command. The executable file is located in the following directories:

- `ORACLE_HOME/opmn/bin/opmnctl`: The `opmnctl` command from this location should be used only to create an Oracle instance or a component for an Oracle instance on the local system. Any `opmnctl` commands generated from this location should not be used to manage system processes or to start OPMN.

On Windows, if you start OPMN using the `opmnctl start` command from this location, OPMN and its processes will terminate when the Windows user has logged out.

- `ORACLE_INSTANCE/bin/opmnctl`: The `opmnctl` command from this location provides a per Oracle instance instantiation of `opmnctl`. Use `opmnctl` commands from this location to manage processes for this Oracle instance. You can also use this `opmnctl` to create components for the Oracle instance.

On Windows, if you start OPMN using the `opmnctl start` command from this location, it starts OPMN as a Windows service. As a result, the OPMN parent process, and the processes which it manages, persist after the MS Windows user has logged out.

4.1.2 Fusion Middleware Control May Return Error in Mixed IPv6 and IPv4 Environment

If your environment contains both IPv6 and IPv4 network protocols, Fusion Middleware Control may return an error in certain circumstances.

If the browser that is accessing Fusion Middleware Control is on a host using the IPv4 protocol, and selects a control that accesses a host using the IPv6 protocol, Fusion Middleware Control will return an error. Similarly, if the browser that is accessing Fusion Middleware Control is on a host using the IPv6 protocol, and selects a control that accesses a host using the IPv4 protocol, Fusion Middleware Control will return an error.

For example, if you are using a browser that is on a host using the IPv4 protocol and you are using Fusion Middleware Control, Fusion Middleware Control returns an error when you navigate to an entity that is running on a host using the IPv6 protocol, such as in the following situations:

- From the Oracle Internet Directory home page, you select Directory Services Manager from the Oracle Internet Directory menu. Oracle Directory Services Manager is running on a host using the IPv6 protocol.
- From a Managed Server home page, you click the link for Oracle WebLogic Server Administration Console, which is running on IPv6.
- You test Web Services endpoints, which are on a host using IPv6.
- You click an application URL or Java application which is on a host using IPv6.

To work around this issue, you can add the following entry to the `/etc/hosts` file:

```
nnn.nnn.nnn.nnn myserver-ipv6 myserver-ipv6.example.com
```

In the example, `nnn.nnn.nnn.nnn` is the IPv4 address of the Administration Server host, `myserver.example.com`.

4.1.3 Deploying JSF Applications

Some JSF applications may experience a memory leak due to incorrect Abstract Window Toolkit (AWT) application context classloader initialization in the Java class library. Setting the `oracle.jrf.EnableAppContextInit` system property to **true** will attempt eager initialization of the AWT application context classloader to prevent this leak from occurring. By default, this property is set to **false**.

4.1.4 Limitations in Moving from Test to Production

Note the following limitations in moving from test to production:

- If your environment includes Oracle WebLogic Server which you have upgraded from one release to another (for example from 10.3.4 to 10.3.5), the pasteConfig scripts fails with the following error:

```
Oracle_common_home/bin/unpack.sh line29:
WL_home/common/bin/unpack.sh No such file or directory
```

To work around this issue, edit the following file:

```
MW_HOME/utils/uninstall/WebLogic_Platform_10.3.5.0/WebLogic_Server_10.3.5.0_
Core_Application_Server.txt file
```

Add the following entries:

```
/wlserver_10.3/server/lib/unix/nodemanager.sh
/wlserver_10.3/common/quickstart/quickstart.cmd
/wlserver_10.3/common/quickstart/quickstart.sh
/wlserver_10.3/uninstall/uninstall.cmd
/wlserver_10.3/uninstall/uninstall.sh
/utils/config/10.3/setHomeDirs.cmd
/utils/config/10.3/setHomeDirs.sh
```

- When you are moving Oracle Virtual Directory, the Oracle instance name in the source environment cannot be the same as the Oracle instance name in the target environment. The Oracle instance name in the target must be different than the name in the source.
- After you move Oracle Virtual Directory from one host to another, you must add a self-signed certificate to the Oracle Virtual Directory keystore and EM Agent wallet on Host B. Take the following steps:

a. Set the ORACLE_HOME and JAVA_HOME environment variables.

b. Delete the existing self-signed certificate:

```
$JAVA_HOME/bin/keytool -delete -alias serverselfsigned
-keystore ORACLE_INSTANCE/config/OVD/ovd_component_
name/keystores/keys.jks
-storepass OVD_Admin_password
```

c. Generate a key pair:

```
$JAVA_HOME/bin/keytool -genkeypair
-keystore ORACLE_INSTANCE/config/OVD/ovd_component_
name/keystores/keys.jks
-storepass OVD_Admin_password -keypass OVD_Admin_password -alias
serverselfsigned
-keyalg rsa -dname "CN=Fully_qualified_hostname,O=test"
```

d. Export the certificate:

```
$JAVA_HOME/bin/keytool -exportcert
-keystore ORACLE_INSTANCE/config/OVD/ovd_component_
name/keystores/keys.jks
-storepass OVD_Admin_password -rfc -alias serverselfsigned
-file ORACLE_INSTANCE/config/OVD/ovd_component_name/keystores/ovdcert.txt
```

e. Add a wallet to the EM Agent:

```
ORACLE_HOME/..oracle_common/bin/orapki wallet add
-wallet ORACLE_INSTANCE/EMAGENT/EMAGENT/sysman/config/monwallet
-pwd EM_Agent_Wallet_password -trusted_cert
-cert ORACLE_INSTANCE/config/OVD/ovd_component_name/keystores/ovdcert.txt
```

- f. Stop and start the Oracle Virtual Directory server.
- g. Stop and start the EM Agent.
- The copyConfig operation fails if you are using IPv6 and the Managed Server listen address is not set.

To work around this problem, set the Listen Address for the Managed Server in the Oracle WebLogic Server Administration Console. Navigate to the server. Then, on the Settings for server page, enter the Listen Address. Restart the Managed Servers.

- When you are moving Oracle Platform Security and you are using an LDAP store, the LDAP store on the source environment must be running and it must be accessible from the target during the pasteConfig operation.
- The movement scripts do not support moving Oracle Identity Manager to another environment, either through the movement scripts or manual steps. In addition, if Oracle Identity Manager is part of the source environment of other components, the movement scripts for that environment will fail. This restriction applies to all 11.1.1 releases of Oracle Identity Manager.
- For Oracle Business Activity Monitoring, if there are remote servers in the test environment and you do not use shared disks, the copyConfig and pasteConfig scripts will fail. In addition, if Oracle BAM is part of the source domain that you are moving, the scripts will fail. For example, if Oracle BAM is part of a domain that contains the SOA Infrastructure and Oracle BPEL Process Manager, the copyConfig and pasteConfig scripts will fail.

To move components other than Oracle BAM move the BAM_t2p_registration.xml file from the following directory, into any other directory:

```
SOA_ORACLE_HOME/clone/provision
```

Then, to move Oracle BAM, take the following steps:

1. At the source, export the ORACLEBAM database schema, using the following commands (*ORACLE_HOME* is the Oracle home for the Oracle Database):

```
ORACLE_HOME/bin/sqlplus "sys/password as sysdba"  
create or replace directory directory as 'path';  
grant read,write on DIRECTORY directory to oraclebam;  
exit;
```

```
ORACLE_HOME/bin/expdp userid=oraclebam/bam@connect_id  
directory=directory dumpfile=orabam.dmp  
schemas=oraclebam logfile=oraclebam_date.log
```

See Also: "Overview of Oracle Data Pump" and other chapters on Oracle Data Pump in *Oracle Database Utilities*

The Oracle BAM objects, such as reports, alerts, and data definitions from the source environment are exported.

2. At the target, import the ORACLEBAM database schema that you exported from the source environment, using the following commands (*ORACLE_HOME* is the Oracle home for the Oracle Database):

```
ORACLE_HOME/bin/impdp userid=system/password dumpfile=ORACLEBAM.DMP  
remap_schema=oraclebam:oraclebam TABLE_EXISTS_ACTION=replace  
ORACLE_HOME/bin/sqlplus "sys/password as sysdba"
```

```
alter user oraclebam account unlock;
alter user oraclebam identified by bam;
```

Note that impdp may report the following errors:

- ORA-00959: tablespace <source tablespace> does not exist.

You can fix this error by creating the tablespace in the import database before the import or use REMAP_TABLESPACES to change the tablespace referenced in the table definition to a tablespace in the import database.

- You may see failure with restoring index statistics if you use an Oracle database version earlier than 11.2.0.2. You can work around this issue by rebuilding the index statistics after import.

3. Restart the Oracle Business Activity Monitoring Managed Server.

- When you are moving Oracle Platform Security Services and the data is moving from LDAP to LDAP, the source and target LDAP domain component hierarchy must be same. If it is not, the Oracle Platform Security Services data movement will fail. For example, if the source is hierarchy is configured as `dc=us, dc=com`, the target LDAP must have the same domain component hierarchy.
- Moving Oracle Access Manager may fail, as described in [Section 18.2.6](#).

4.1.5 Limitations in Moving Oracle Business Process Management from Test to Production Environment

Note the following limitations when moving Oracle Business Process Management from a test environment to a production environment:

- When you move Oracle Business Process Management from a test environment to a production environment as described in the Task "Move Oracle Business Process Management to the New Production Environment" in the *Oracle Fusion Middleware Administrator's Guide*, Oracle Business Process Management Organization Units are not imported.

To work around this issue, you must re-create the Organization Units in the production environment. In addition, if any Organization associations with the Calendar rule for the Role exist in the test environment, you must re-create them, using the Roles screen.

For information, see "Working with Organizations" in the *Oracle Fusion Middleware Modeling and Implementation Guide for Oracle Business Process Management*.

- Oracle recommends that you move artifacts and data into a new, empty production environment. If the same artifacts are present or some data has been updated on the production environment, the procedure does not update those artifacts.

4.1.6 Message Returned with Incorrect Error Message Level

In Fusion Middleware Control, when you select a metadata repository, the following error messages are logged:

```
Partitions is NULL
Partitions size is 0
```

These messages are logged at the Error level, which is incorrect. They should be logged at the debug level, to provide information.

4.2 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 4.2.1, "Must Stop Oracle SOA Suite Managed Server Before Stopping soa-infra"](#)
- [Section 4.2.2, "Fusion Middleware Control Does Not Keep Column Preferences in Log Viewer Pages"](#)
- [Section 4.2.3, "Topology Viewer Does Not Display Applications Deployed to a Cluster"](#)
- [Section 4.2.4, "Changing Log File Format"](#)
- [Section 4.2.5, "SSL Automation Tool Configuration Issues"](#)

4.2.1 Must Stop Oracle SOA Suite Managed Server Before Stopping soa-infra

Using Fusion Middleware Control, if you stop a Oracle SOA Suite Managed Server before you stop soa-infra, then you start the Managed Server, the soa-infra application is not restarted automatically. If you try to restart the soa-infra, you will received an error. When you encounter the problem, you cannot close the dialog box in the browser, so you cannot take any further actions in Fusion Middleware Control.

To avoid this situation, you should stop the Managed Server, which stops all applications, including the soa-infra application. To start the Managed Server and the soa-infra, start the Managed Server.

To close the browser dialog box, enter the following URL in your browser:

`http://host:port/em`

4.2.2 Fusion Middleware Control Does Not Keep Column Preferences in Log Viewer Pages

In Fusion Middleware Control, you can reorder the columns in the pages that display log files and log file messages. However, if you navigate away from the page and then back to it, the columns are set to their original order.

4.2.3 Topology Viewer Does Not Display Applications Deployed to a Cluster

In Fusion Middleware Control, the Topology Viewer does not display applications that are deployed to a cluster.

4.2.4 Changing Log File Format

When you change the log file format note the following:

- When you change the log file format from text to xml, specify the path, but omit the file name. The new file will be named log. xml.
- When you change the log file format from xml to text, specify both the path and the file name.

4.2.5 SSL Automation Tool Configuration Issues

The following issues have been observed when using the SSL Automation tool:

- The script creates intermediate files that contain passwords in clear text. If the script fails, these files might not be removed. After a script failure, delete all files under the `rootCA` directory.
- If Oracle Internet Directory password policy is enabled, passwords entered for wallet or keystore fail if they violate the policy.
- Before you run the script, you must have JDK 1.6 installed and you must have `JAVA_HOME` set in your environment.
- If the Oracle Virtual Directory configuration script fails, check the run log or enable debug for the shell script to view specific errors. If the error message looks similar to this, rerun the script with a new keystore name:

```
WLSTException: Error ocured while performing cd : Attribute
oracle.as.ovd:type=component.listenersconfig.sslconfig,name=LDAP SSL
Endpoint,instance=%OVD_INSTANCE%,component=ovd1 not found
```

4.3 Documentation Errata for the *Oracle Fusion Middleware Administrator's Guide*

The following section describes documentation errata for the *Oracle Fusion Middleware Administrator's Guide*:

- [Section 4.3.1, "Combining All Oracle Homes in a Single Inventory File"](#)
- [Section 4.3.2, "Correction to Link About Supported Databases for MDS."](#)

4.3.1 Combining All Oracle Homes in a Single Inventory File

All Oracle homes in the Middleware home on the source environment must be registered in the same Oracle inventory. If you have installed multiple components under the same Middleware home, but used different Oracle inventory locations, the scripts are not able to detect all of the Oracle homes.

To work around this issue, take the following steps:

1. Create a new `oraInst.loc` pointing to the inventory to which you want to register, using the following commands:

```
cat oraInst.loc
    inventory_loc=new_oraInst_loc_location
    inst_group=g900
```

2. Detach the Oracle Home from its current inventory:

```
cd ORACLE_HOME/oui/bin
    ./detachHome.sh -invPtrLoc ORACLE_HOME/oraInst.loc
```

3. Attach the Oracle Home to the new inventory by passing new `oraInst.loc` created in step 1:

```
./attachHome.sh -invPtrLoc new_oraInst_loc_location
```

Do this for every Oracle home in the Middleware home.

4. Set the necessary dependencies between Oracle homes if required (for example most Oracle homes depend on `oracle_common`). The dependencies are required when you uninstall. You can check the existing dependencies from the old inventory by checking the file `oraInventory/ContentsXML/inventory.xml`. The following shows an example of the file:

```

<?xml version="1.0" standalone="yes" ?>
<!-- Copyright (c) 1999, 2010, Oracle. All rights reserved. -->
<!-- Do not modify the contents of this file by hand. -->
<VERSION_INFO>
  <SAVED_WITH>11.1.0.9.0</SAVED_WITH>
  <MINIMUM_VER>2.1.0.6.0</MINIMUM_VER>
</VERSION_INFO>
<HOME_LIST>
<HOME NAME="OH339778486" LOC="/scratch/oracle/11gMW/oracle_common" TYPE="O"
IDX="1">
  <REFHOMELIST>
    <REFHOME LOC="/scratch/oracle/11gMW/Oracle_WT1"/>
  </REFHOMELIST>
</HOME>
<HOME NAME="OH299443989" LOC="/scratch/oracle/11gMW/Oracle_WT1" TYPE="O"
IDX="2">
  <DEPHOMELIST>
    <DEPHOME LOC="/scratch/oracle/11gMW/oracle_common"/>
  </DEPHOMELIST>
</HOME>
</HOME_LIST>
<COMPOSITEHOME_LIST>
</COMPOSITEHOME_LIST>
</INVENTORY>

```

5. Run the following command to set up dependencies. Note that this is not mandatory for the movement scripts to work, but is needed when you uninstall.

```

./runInstaller -updateHomeDeps
"HOME_DEPENDENCY_LIST={/scratch/oracle/11gMW/Oracle_WT1:/scratch/oracle/11gMW/
oracle_common}" -invPtrLoc ~/oraInst.loc

```

4.3.2 Correction to Link About Supported Databases for MDS

The section "Databases Supported by MDS" in the *Oracle Fusion Middleware Administrator's Guide* contains an incorrect link to *Oracle Fusion Middleware System Requirements and Specifications*. The correct link is:

<http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-requirements-100147.html>

4.3.3 Clarification of Move Plan Properties for Oracle WebCenter Content

For the Oracle WebCenter Content server or Oracle WebCenter Content: Records, you have two options for moving the component:

- **copy:** This option copies the entire source system, including configuration and data, to the target system. Although this is the default, Oracle does not recommend using this option because it moves test data, which might not be appropriate for your environment.
- **init:** This option initializes a new Content Server or Records instance in the target system. It does not move data.

Oracle Enterprise Manager Fusion Middleware Control

This chapter describes issues associated with Fusion Middleware Control. It includes the following topics:

- [Section 5.1, "General Issues and Workarounds"](#)
- [Section 5.2, "Documentation Errata"](#)

Note: This chapter contains issues you might encounter while using Fusion Middleware Control to manage any of the Oracle Fusion Middleware products.

Be sure to review the product-specific release note chapters elsewhere in this document for any additional issues specific to the products you are using.

5.1 General Issues and Workarounds

This section describes general issue and workarounds. It includes the following topic:

- [Section 5.1.1, "Product Behavior After a Session Timeout"](#)
- [Section 5.1.2, "Fixing Errors Displayed When Selecting the TopLink Sessions Command in Fusion Middleware Control"](#)
- [Section 5.1.3, "Verifying the DISPLAY Variable to Correct Problems Displaying Graphics"](#)
- [Section 5.1.4, "Incomplete Information Available on the MDS Configuration Page"](#)
- [Section 5.1.5, "Exceptions When Starting Oracle Web Cache After Accessing Configuration Pages from Oracle Enterprise Manager Fusion Middleware Control"](#)
- [Section 5.1.6, "Table Display Problems When Using Some Language Variants"](#)
- [Section 5.1.7, "Problems When Internet Explorer 7 is Configured to Open Pop-Up Windows in a New Tab."](#)
- [Section 5.1.8, "Additional Fusion Middleware Control Release Notes"](#)
- [Section 5.1.9, "Problem with Performance Charts After Moving a Chart Region"](#)
- [Section 5.1.10, "Display Problems When Running JDK 160_18 on Intel Systems that Support the SSE4.2 Instruction Set"](#)
- [Section 5.1.11, "Adobe Flash Plugin Required When Displaying Fusion Middleware Control in the Apple Safari Browser"](#)

- Section 5.1.12, "Unable to Access Fusion Middleware Control After Installing the Oracle Identity Management 11.1.1.4.0 Patch Set"
- Section 5.1.13, "Error Message on Deleting the Shared Folder After Scale-Out"
- Section 5.1.14, "Coreapplication Process for Oracle Business Intelligence Reported as Down in Fusion Middleware Control"
- Section 5.1.15, "Online Help Error Message in Enterprise Manager Log Files Can Be Ignored"
- Section 5.1.16, "Incorrect or Missing Metrics Help Information"
- Section 5.1.17, "Error When Accessing the Entry Point URL for the NonJ2EEManagement Internal Application"
- Section 5.2.3, "Help Topic for Secure Sockets Layer Tab Needs Updated Description for WebLogic CA Certificate"

5.1.1 Product Behavior After a Session Timeout

For security purposes, your sessions with the Fusion Middleware Control will time out after a predefined period of inactivity, and you will be asked to log in to the console again. In most cases, you are returned to the page you had displayed before the session timed out.

However, in some circumstances, such as when you are using the Fusion Middleware Control deployment wizards, you will not be returned the same location in the product after you log in. In those cases, you will have to navigate to the specific Fusion Middleware Control page you were using before the session timed out.

5.1.2 Fixing Errors Displayed When Selecting the TopLink Sessions Command in Fusion Middleware Control

In Fusion Middleware Control, you can view the Oracle TopLink management pages by selecting **TopLink Sessions** from the **Application Deployment** menu.

However, if you receive an error message when you select this command, you can remedy the problem by adding one or both of the following MBean system properties, as follows

On Windows operating systems:

```
rem set JAVA_OPTIONS=%JAVA_OPTIONS% -Declipselink.register.dev.mbean=true
rem set JAVA_OPTIONS=%JAVA_OPTIONS% -Declipselink.register.run.mbean=true
```

On UNIX operating systems:

```
JAVA_OPTIONS="{JAVA_OPTIONS} -Declipselink.register.dev.mbean=true"
JAVA_OPTIONS="{JAVA_OPTIONS} -Declipselink.register.run.mbean=true"
```

For more information, see the following URL on the Eclipse WIKI Web site:

```
http://wiki.eclipse.org/Integrating\_EclipseLink\_with\_an\_Application\_Server\_\(ELUG\)#How\_to\_Integrate\_JMX
```

5.1.3 Verifying the DISPLAY Variable to Correct Problems Displaying Graphics

The graphics subsystem for the Fusion Middleware Control generates some of its graphics on demand, and if the DISPLAY environment variable is set, Fusion Middleware Control tries to open the specified DISPLAY environment.

If Fusion Middleware Control fails to start due to graphics errors, check to see whether the DISPLAY environment variable is set to a proper DISPLAY environment.

If the DISPLAY environment variable is set incorrectly, unset the DISPLAY environment variable. Then restart Fusion Middleware Control.

5.1.4 Incomplete Information Available on the MDS Configuration Page

After deploying a Oracle SOA Suite application that requires Oracle Metadata Services (MDS), in some rare circumstances, you may find that the MDS configuration page for the application does not contain complete information about the MDS repository.

To address this problem, use the Metadata Repositories page to register the repository again. For more information, see "Create and Register an MDS Repository" in the Fusion Middleware Control online help.

5.1.5 Exceptions When Starting Oracle Web Cache After Accessing Configuration Pages from Oracle Enterprise Manager Fusion Middleware Control

To start, stop, or restart Oracle Web Cache from Fusion Middleware Control, from the **Web Cache** menu, you can choose **Control**, and then **Start Up**, **Shut Down**, or **Restart**.

If you select **Shut Down**, and then **Start Up** on a configuration page, Fusion Middleware Control may return exception errors. If these errors occur in your environment, perform the operations from Web Cache Home page.

5.1.6 Table Display Problems When Using Some Language Variants

When you use Fusion Middleware Control in some non-English language environments, some of the tables on the component home pages display incorrectly. For example, some rows of the table appear to be merged and without content.

These issues can be safely ignored, since no data on the pages is hidden. The table cells that appear incorrectly do not contain performance data or other information.

5.1.7 Problems When Internet Explorer 7 is Configured to Open Pop-Up Windows in a New Tab

If you configure Microsoft Internet Explorer 7 so it always displays pop-up windows in a new browser tab, then you may experience problems using Fusion Middleware Control. For example, in some cases, Enterprise Manager content displays in a new tab as expected, but Fusion Middleware Control stops responding to mouse clicks. The only way to continue working is to close the tab.

To avoid this problem, use the Internet Options dialog box in Internet Explorer to disable the option for displaying pop-up windows in a new tab.

5.1.8 Additional Fusion Middleware Control Release Notes

Refer to Chapter 4, "Oracle Fusion Middleware Administration" for additional Fusion Middleware Control release notes.

Additional Fusion Middleware Control release notes are also included in the component chapters of the Release Notes.

5.1.9 Problem with Performance Charts After Moving a Chart Region

Oracle Enterprise Manager Fusion Middleware Control provides performance charts on many of the component home pages. For example, it provides charts that display the current response and load metrics, as well as the CPU and memory usage.

If you move one of these charts to a new location on the home page, then sometimes the Table View link (which provides a tabular view of the data) does not work properly and the chart might stop refreshing automatically.

To fix this problem, click the refresh icon at the top, right corner of the page to refresh the page.

5.1.10 Display Problems When Running JDK 160_18 on Intel Systems that Support the SSE4.2 Instruction Set

Some of the newer Intel-based computers support the SSE4.2 instruction set. If you are using the 160_18 version of the Java Development Kit (JDK) on one of these computers, then you might see some display issues in the Oracle Enterprise Manager Fusion Middleware Control.

This is related to the following issue on the Sun Developer Network (SDN):

http://bugs.sun.com/view_bug.do?bug_id=6875866

In particular, when using Fusion Middleware Control, you might experience some font size and alignment issues, and an error similar to the following appears in the server log file:

```
Servlet failed with Exception
java.lang.StringIndexOutOfBoundsException: String index out of range
```

To remedy this problem:

1. Locate and open the `setDomainEnv` configuration file in your Oracle WebLogic Server domain home.

For example:

```
DOMAIN_HOME/bin/setDomainEnv.sh
```

2. Add the following to the `JAVA_OPTIONS` entry in the `setDomainEnv` file and save your changes:

```
-XX:-UseSSE42Intrinsics
```

For example:

```
JAVA_OPTIONS="${JAVA_OPTIONS} ${JAVA_PROPERTIES}
-Dwlv.iterativeDev=${iterativeDevFlag} -Dwlv.testConsole=${testConsoleFlag}
-Dwlv.logErrorsToConsole=${logErrorsToConsoleFlag} -XX:-UseSSE42Intrinsics"
```

3. Locate the following directory in your Oracle WebLogic Server domain home:

```
DOMAIN_HOME/servers/AdminServer/tmp/_WL_user/em/jmb4hf/public/adf/styles/cache/
```

4. Delete the style sheets (.css) files from the directory.
5. Restart the Oracle WebLogic Server domain.
6. Clear the cache in your Web browser.

5.1.11 Adobe Flash Plugin Required When Displaying Fusion Middleware Control in the Apple Safari Browser

To use the Apple Safari browser to display Fusion Middleware Control, you must have the Adobe Flash browser plugin installed.

If you experience problems displaying graphics or other Fusion Middleware Control elements, download and install a newer version of the plugin from the Adobe Web site.

5.1.12 Unable to Access Fusion Middleware Control After Installing the Oracle Identity Management 11.1.1.4.0 Patch Set

After you install the Oracle Fusion Middleware 11g Release 1 (11.1.1.4.0) patch set, you might experience problems when accessing the Fusion Middleware Control pages used to manage the Oracle Identity Management components.

Specifically, an error similar to the following appears in the Administration Server log files:

```
[ACTIVE].ExecuteThread: '0' for queue: 'weblogic.kernel.Default
(self-tuning)'] [userId: <anonymous>] [ecid:
0000In^zrbUF8DQ6ubU4UH1D1qXF00000s,0] [APP: em] [[
oracle.adf.controller.ControllerException: ADFC-00025: The ADF controller has
not been successfully initalized.
```

If you experience this problem, restart the Administration Server. After the restart, you should be able to log in and access the Fusion Middleware Control pages.

5.1.13 Error Message on Deleting the Shared Folder After Scale-Out

If Oracle Essbase is configured, then the Shared Folder Path field is displayed in the Essbase Agents region on the Failover page of the Availability tab for the Business Intelligence node in Fusion Middleware Control.

You use the Shared Folder Path field when setting up a highly available Essbase deployment. The field specifies a shared location for Essbase configuration files, security files, and all applications and corresponding databases.

If you remove an existing value in the Shared Folder Path field and attempt to apply the change without specifying a replacement value, then the following error message is displayed:

```
OBI_SYSMAN_1261, "You must not delete the shared folder after a previous scaleout"
```

To continue, either specify a valid path to the shared location in the Shared Folder Path field, or discard the change.

5.1.14 Coreapplication Process for Oracle Business Intelligence Reported as Down in Fusion Middleware Control

In Fusion Middleware Control, the coreapplication process for Oracle Business Intelligence is erroneously displayed as not running (or "down") even when it is running (or "up"). For example, you might see an error message similar to the following one:

```
Restart All – Failed. Restart failed with 2 errors and 0 warnings. Problems reported
by:coreapplication.
```

To work around this issue, wait for approximately five to ten minutes, then restart all processes in Fusion Middleware Control. The exact time to wait depends on the environment (for example, on the size of the repository and on the speed of the database connection).

5.1.15 Online Help Error Message in Enterprise Manager Log Files Can Be Ignored

When accessing specific topics in the online help table of contents for Oracle Enterprise Manager Fusion Middleware Control, an error message and a warning message might appear in the log files. These messages can be ignored.

Specifically, the following example shows an error messages that can appear in the AdminServer-diagnostic.log file. You can safely ignore these messages:

```
<Apr 15, 2012 12:58:15 PM PDT> <Error>
<oracle.help.web.rich.converter.RichTopicConverter> <BEA-000000> <JAR entry
loe.htm not found in
/scratch/pabharga/wls/oracle_common/doc/online_help/owcag/owcag_help.jar>
<Apr 15, 2012 12:58:15 PM PDT> <Warning>
<oracle.help.web.util.OHWLoggerUtils> <HELP-10055> <trying to access invalid
topic id owcag/loe.htm>
```

5.1.16 Incorrect or Missing Metrics Help Information

When you use Fusion Middleware Control to view metrics, you can obtain Help on the metrics. For this release, all metrics are described in *Oracle Enterprise Manager Oracle Fusion Middleware Metric Reference Manual*. Consult that manual for complete descriptions of metrics.

5.1.17 Error When Accessing the Entry Point URL for the NonJ2EEManagement Internal Application

When you apply an Oracle Fusion Middleware 11g patch set to an existing 11g Middleware home, you might be instructed to run the `upgradenonj2eeapp` script, which is required when you are patching Oracle Fusion Middleware 11g system components. For more information, see "Upgrading System Components" in the *Oracle Fusion Middleware Patching Guide*.

This script deploys an internal application called NonJ2EEManagement to your Oracle WebLogic Server domain. After you run the script, the NonJ2EEManagement application appears in the list of internal applications in Oracle Enterprise Manager Fusion Middleware Control.

If you attempt to navigate to the application home page of the NonJ2EEManagement application, and you click the URL for the entry point for the application, you will receive an error in your browser.

This is a known issue. The NonJ2EEManagement application, like many of the internal applications, does not have a valid context root or HTML entry point. It is used exclusively to facilitate the patching of system components in your Middleware home.

5.2 Documentation Errata

This section describes documentation errata. It includes the following topics:

- [Section 5.2.1, "Search Unavailable for Some Embedded Administrator's Guides"](#)
- [Section 5.2.2, "Patching Section in the Fusion Middleware Control Online Help is Not Supported"](#)

- [Section 5.2.3, "Help Topic for Secure Sockets Layer Tab Needs Updated Description for WebLogic CA Certificate"](#)

5.2.1 Search Unavailable for Some Embedded Administrator's Guides

Search is unavailable for the following embedded administrator's guides in the Fusion Middleware Control help system:

- *Oracle Fusion Middleware Administrator's Guide for Oracle Identity Federation*
- *Oracle Fusion Middleware System Administrator's Guide for Content Server for installations with Oracle Enterprise Content Management Suite*

5.2.2 Patching Section in the Fusion Middleware Control Online Help is Not Supported

The Fusion Middleware Control online help system includes the contents of the *Oracle Fusion Middleware System Administrator's Guide for Oracle Business Intelligence Enterprise Edition*. In the Fusion Middleware Control online help, this guide includes Section 17.11, which describes patching the Oracle BI Presentation Catalog. This functionality is not supported in Release 11.1.1.5. The section is not included in the version of the guide that ships with Oracle BI EE or that is posted on the Oracle Technology Network.

5.2.3 Help Topic for Secure Sockets Layer Tab Needs Updated Description for WebLogic CA Certificate

An update is required in the Fusion Middleware Control help system for Oracle Business Intelligence. In the help topic for the Security page: Secure Sockets Layer tab, the Description for the WebLogic CA certificate element must include the following text:

Supported types are .der and .pem. Ensure that the certificate file has the correct extension.

Oracle Fusion Middleware High Availability and Enterprise Deployment

This chapter describes issues associated with Oracle Fusion Middleware high availability and enterprise deployment. It includes the following topics:

- [Section 6.1, "General Issues and Workarounds"](#)
- [Section 6.2, "Configuration Issues and Workarounds"](#)
- [Section 6.3, "Testing Abrupt Failures of WebLogic Server When Using File Stores on NFS"](#)
- [Section 6.4, "Documentation Errata"](#)

Note: This chapter contains issues you might encounter while configuring any of the any of the Oracle Fusion Middleware products for high availability or an enterprise deployment.

Be sure to review the product-specific release note chapters elsewhere in this document for any additional issues specific to the products you are using.

6.1 General Issues and Workarounds

This section describes general issue and workarounds. It includes the following topics:

- [Section 6.1.1, "Secure Resources in Application Tier"](#)
- [Section 6.1.2, "Accessing Web Services Policies Page in Cold Failover Environment"](#)
- [Section 6.1.3, "Timeout Settings for SOA Request-Response Operations are Not Propagated in a Node Failure"](#)
- [Section 6.1.4, "Very Intensive Uploads from I/PM to UCM May Require Use of IP-Based Filters in UCM Instead of Hostname-Based Filters"](#)
- [Section 6.1.5, "Use srvctl in 11.2 Oracle RAC Databases to Set Up AQ Notification and Server-side TAF"](#)
- [Section 6.1.6, "Failover Is Not Seamless When Creating Reports in Oracle BI Publisher"](#)
- [Section 6.1.7, "Cannot Save Agent When Oracle Business Intelligence Managed Server Fails Over"](#)

- [Section 6.1.8, "Installing Additional Oracle Portal, Forms, Reports, and Discoverer Instances After Upgrading Oracle Single Sign-On 10g to Oracle Access Manager 11g"](#)
- [Section 6.1.9, "JMS Instance Fails In a BI Publisher Cluster"](#)
- [Section 6.1.10, "Undelivered Records not Recovered During RAC Failover of Singleton SOA Server"](#)
- [Section 6.1.11, "Synchronous BPEL Process Issues"](#)

6.1.1 Secure Resources in Application Tier

It is highly recommended that the application tier in the SOA Enterprise Deployment topology and the WebCenter Enterprise Deployment topology is protected against anonymous RMI connections. To prevent RMI access to the middle tier from outside the subnet configured, follow the steps in "Configure connection filtering" in the Oracle WebLogic Server Administration Console Online Help. Execute all of the steps, except as noted in the following:

1. Do not execute the substep for configuring the default connection filter. Execute the substep for configuring a custom connection filter.
2. In the Connection Filter Rules field, add the rules that will allow all protocol access to servers from the middle tier subnet while allowing only http(s) access from outside the subnet, as shown in the following example:

```
nnn.nnn.0.0/nnn.nnn.0.0 * * allow  
0.0.0.0/0 * * allow t3 t3s
```

6.1.2 Accessing Web Services Policies Page in Cold Failover Environment

In a Cold Failover Cluster (CFC) environment, the following exception is displayed when Web Services policies page is accessed in Fusion Middleware Control:

```
Unable to connect to Oracle WSM Policy Manager.  
Cannot locate policy manager query/update service. Policy manager service  
look up did not find a valid service.
```

To avoid this, implement one the following options:

- Create virtual hostname aliased SSL certificate and add to the key store.
- Add "-Dweblogic.security.SSL.ignoreHostnameVerification=true" to the JAVA_OPTIONS parameter in the startWeblogic.sh or startWeblogic.cmd files

6.1.3 Timeout Settings for SOA Request-Response Operations are Not Propagated in a Node Failure

In an active-active Oracle SOA cluster, when a node failure occurs, the timeout settings for request-response operations in receive activities are not propagated from one node to the other node or nodes. If a failure occurs in the server that scheduled these activities, they must be rescheduled with the scheduler upon server restart.

6.1.4 Very Intensive Uploads from I/PM to UCM May Require Use of IP-Based Filters in UCM Instead of Hostname-Based Filters

The "Adding the I/PM Server Listen Addresses to the List of Allowed Hosts in UCM" section in the *Oracle Fusion Middleware Enterprise Deployment Guide for Oracle Enterprise Content Management Suite* and the "Adding the I/PM Server Listen Addresses to the

List of Allowed Hosts in UCM" section in the *Oracle Fusion Middleware High Availability Guide* describe how to add hostname-based filters for Oracle I/PM managed server listen addresses to the list of allowed hosts in Oracle UCM.

When using hostname-based filters in Oracle UCM (`config.cfg` file) a high latency/performance impact may be observed in the system for very intensive uploads of documents from Oracle I/PM to Oracle UCM. This is caused by the reverse DNS lookup that is required in Oracle UCM to allow the connections from Oracle I/PM servers. Using hostname-based filters is recommended in preparation for configuring the system for Disaster Protection and to restore to a different host (since the configuration used is IP-agnostic when using hostname-based filters). However if the performance of the uploads needs to be improved, users can use instead IP-based filters. To do this:

1. Edit the file `/u01/app/oracle/admin/domainName/ucm_cluster/config/config.cfg` and remove or comment out:

```
SocketHostNameSecurityFilter=localhost|localhost.mydomain.com|ecmhost1vhn1|ecmhost2vhn1
```

```
AlwaysReverseLookupForHost=Yes
```

2. Add the IP addresses (listen address) of the WLS_IPM1 and WLS_IPM2 managed servers (ECMHOST1VHN1 and ECMHOST2VHN1, respectively) to the `SocketHostAddressSecurityFilter` parameter list as follows:

```
SocketHostAddressSecurityFilter=127.0.0.1|0:0:0:0:0:0:0:1|X.X.X.X|Y.Y.Y.
```

where X.X.X.X and Y.Y.Y.Y are the listen addresses of WLS_IPM1 and WLS_IPM2 respectively. Notice that 127.0.0.1 also needs to be added as shown above.

3. Restart the UCM servers.

6.1.5 Use `srvctl` in 11.2 Oracle RAC Databases to Set Up AQ Notification and Server-side TAF

Because of a known issue in 11.2 Oracle RAC databases, it is required to use `srvctl` to set up AQ notification and server-side TAF. Using `DBMS_SQL` packages will not work as expected.

Here is an example use of `srvctl`:

```
srvctl modify service -d orcl -s orclSVC -e SELECT -m BASIC -w 5 -z 5 -q TRUE
```

In the example:

orcl - Database Name

orclSVC - Service Name used by middleware component

SELECT - Failover type

BASIC - Failover method

5 - Failover delay

5 - Failover retry

TRUE - AQ HA notifications set to TRUE

Please refer to the Oracle 11.2 Oracle database documentation for detailed information about this command usage.

6.1.6 Failover Is Not Seamless When Creating Reports in Oracle BI Publisher

If you create a report in Oracle BI Publisher, and a Managed Server is failed over before the report is saved, the failover might not be seamless. For example, when you attempt to save the report, the system might not be responsive.

If this occurs, click one of the header links, such as **Home** or **Catalog**, to be redirected to the Oracle BI Publisher login page. Then, log in and create and save the report again.

6.1.7 Cannot Save Agent When Oracle Business Intelligence Managed Server Fails Over

If you create an agent in the Oracle Business Intelligence Web interface, and a Managed Server fails over before you save the agent, an error occurs when you try to save the agent.

To work around this issue, log out, then log back in to Oracle Business Intelligence and create the agent again.

6.1.8 Installing Additional Oracle Portal, Forms, Reports, and Discoverer Instances After Upgrading Oracle Single Sign-On 10g to Oracle Access Manager 11g

This issue occurs with Oracle Portal, Forms, Reports, and Discoverer 11g environments that have been upgraded from using Oracle Single-Sign On 10g to Oracle Access Manager 11g for authentication.

When performing subsequent Oracle Portal, Forms, Reports, and Discoverer 11g installations against the same environment where the initial Oracle Portal, Forms, Reports, and Discoverer 10g installation was upgraded to Oracle Access Manager, there are some requirements that must be met.

- For each subsequent Oracle Portal, Forms, Reports, and Discoverer 11g installation, you must maintain the original Oracle Single Sign-On 10g instance and keep it actively running--in addition to new Oracle Access Manager 11g instance--while the additional Oracle Portal, Forms, Reports, and Discoverer 11g installations are performed.

This is necessary because Oracle Portal, Forms, Reports, and Discoverer 11g cannot be installed directly against Oracle Access Manager 11g.

- After the subsequent classic installs are completed, the Oracle Single Sign-On 10g to Oracle Access Manager 11g upgrade procedure must be performed again. For more information, including an upgrade roadmap, see the *Oracle Fusion Middleware Upgrade Guide for Oracle Identity and Access Management*.

This procedure upgrades the new Oracle Portal, Forms, Reports, and Discoverer 11g instance to Oracle Access Manager 11g.

Note that these considerations apply only in an environment with Multiple Oracle Portal, Forms, Reports, and Discoverer 11g middle tiers that are installed or added to a your environment after the initial upgrade from Oracle Single Sign-On 10g to Oracle Access Manager 11g.

6.1.9 JMS Instance Fails In a BI Publisher Cluster

On rare occasions, a JMS instance is missing from a BI Publisher Scheduler cluster.

To resolve this issue, restart the BI Publisher application from the WebLogic Server Administration Console.

To restart your BI Publisher application:

1. Log in to the Administration Console.
2. Click **Deployments** in the Domain Structure window.
3. Select **bipublisher(11.1.1)**.
4. Click **Stop**.
5. After the application stops, click **Start**.

6.1.10 Undelivered Records not Recovered During RAC Failover of Singleton SOA Server

If there is a RAC failover in a singleton server in a SOA RAC environment, recovery of undelivered records that appear recoverable in EM will fail.

6.1.11 Synchronous BPEL Process Issues

On a SOA cluster, the following scenarios are not supported:

- Synchronous BPEL process with mid-process receive.
- Synchronous BPEL process calling asynchronous services .
- Callback from synchronous processes.

6.2 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 6.2.1, "Fusion Middleware Control May Display Incorrect Status"](#)
- [Section 6.2.2, "Accumulated BPEL Instances Cause Performance Decrease"](#)
- [Section 6.2.3, "Extra Message Enqueue when One a Cluster Server is Brought Down and Back Up"](#)
- [Section 6.2.4, "Duplicate Unrecoverable Human Workflow Instance Created with Oracle RAC Failover"](#)
- [Section 6.2.5, "No High Availability Support for SOA B2B TCP/IP"](#)
- [Section 6.2.6, "WebLogic Administration Server on Machines with Multiple Network Cards"](#)
- [Section 6.2.7, "Additional Parameters for SOA and Oracle RAC Data Sources"](#)
- [Section 6.2.8, "Message Sequencing and MLLP Not Supported in Oracle B2B HA Environments"](#)
- [Section 6.2.9, "Credentials not Propagated for Transport Protocols in B2B"](#)
- [Section 6.2.10, "Use Fully-Qualified Hostnames when Configuring Front-end Hosts in High Availability Configurations"](#)
- [Section 6.2.11, "Managed Server goes into Suspended Status After Oracle RAC Failover"](#)
- [Section 6.2.12, "Primary/Secondary Configuration Section of the Availability Tab is Not Visible"](#)

- [Section 6.2.13, "Server Start Parameters Not Getting Set After Scaling Out the Oracle Business Intelligence Managed Server"](#)
- [Section 6.2.14, "Ensuring the Oracle HTTP Server Lock File is on a Local Drive"](#)
- [Section 6.2.15, "Recreating OSSO Agents that Point to the Load Balancer URL"](#)
- [Section 6.2.16, "Use Lower-Case Letters for GridLink Data Source RAC Service Name"](#)
- [Section 6.2.17, "Additional Steps Needed for Oracle RTD Request Forwarding to Work Correctly"](#)
- [Section 6.2.18, "Error INST-08075 Occurs When Scaling Out the BI System"](#)
- [Section 6.2.19, "First Defined RAC Instance Must Be Available On Domain Startup When Configuring with RAC Multi Data Source"](#)

6.2.1 Fusion Middleware Control May Display Incorrect Status

In some instances, Oracle WebLogic Fusion Middleware Control may display the incorrect status of a component immediately after the component has been restarted or failed over.

6.2.2 Accumulated BPEL Instances Cause Performance Decrease

In a scaled out clustered environment, if a large number of BPEL instances are accumulated in the database, it causes the database's performance to decrease, and the following error is generated: MANY THREADS STUCK FOR 600+ SECONDS.

To avoid this error, remove old BPEL instances from the database.

6.2.3 Extra Message Enqueue when One a Cluster Server is Brought Down and Back Up

In a non-XA environment, MQSeries Adapters do not guarantee the only once delivery of the messages from inbound adapters to the endpoint in case of local transaction. In this scenario, if an inbound message is published to the endpoint, and before committing the transaction, the SOA server is brought down, inbound message are rolled back and the same message is again dequeued and published to the endpoint. This creates an extra message in outbound queue.

In an XA environment, MQ Messages are actually not lost but held by Queue Manager due to an inconsistent state. To retrieve the held messages, restart the Queue Manager.

6.2.4 Duplicate Unrecoverable Human Workflow Instance Created with Oracle RAC Failover

As soon as Oracle Human Workflow commits its transaction, the control passes back to BPEL, which almost instantaneously commits its transaction. Between this window, if the Oracle RAC instance goes down, on failover, the message is retried and can cause duplicate tasks. The duplicate task can show up in two ways - either a duplicate task appears in worklistapp, or an unrecoverable BPEL instance is created. This BPEL instance appears in BPEL Recovery. It is not possible to recover this BPEL instance as **consumer**, because this task has already completed.

6.2.5 No High Availability Support for SOA B2B TCP/IP

High availability failover support is not available for SOA B2B TCP/IP protocol. This affects primarily deployments using HL7 over MLLP. For inbound communication in a clustered environment, all B2B servers are active and the address exposed for inbound traffic is a load balancer virtual server. Also, in an outage scenario where an active managed server is no longer available, the persistent TCP/IP connection is lost and the client is expected to reestablish the connection.

6.2.6 WebLogic Administration Server on Machines with Multiple Network Cards

When installing Oracle WebLogic Server on a server with multiple network cards, always specify a Listen Address for the Administration Server. The address used should be the DNS Name/IP Address of the network card you wish to use for Administration Server communication.

To set the Listen Address:

1. In the Oracle WebLogic Server Administration Console, select **Environment**, and then **Servers** from the domain structure menu.
2. Click the Administration Server.
3. Click **Lock and Edit** from the Change Center to allow editing.
4. Enter a Listen Address.
5. Click **Save**.
6. Click **Activate Changes** in the Change Center.

6.2.7 Additional Parameters for SOA and Oracle RAC Data Sources

In some deployments of SOA with Oracle RAC, you may need to set parameters in addition to the out-of-the-box configuration of the individual data sources in an Oracle RAC configuration. The additional parameters are:

1. Add property `oracle.jdbc.ReadTimeout=300000` (300000 milliseconds) for each data source.

The actual value of the `ReadTimeout` parameter may differ based on additional considerations.

2. If the network is not reliable, then it is difficult for a client to detect the frequent disconnections when the server is abruptly disconnected. By default, a client running on Linux takes 7200 seconds (2 hours) to sense the abrupt disconnections. This value is equal to the value of the `tcp_keepalive_time` property. To configure the application to detect the disconnections faster, set the value of the `tcp_keepalive_time`, `tcp_keepalive_interval`, and `tcp_keepalive_probes` properties to a lower value at the operating system level.

Note: Setting a low value for the `tcp_keepalive_interval` property leads to frequent probe packets on the network, which can make the system slower. Therefore, the value of this property should be set appropriately based on system requirements.

For example, set `tcp_keepalive_time=600` at the system running the WebLogic Server managed server.

Also, you must specify the `ENABLE=BROKEN` parameter in the `DESCRIPTION` clause in the connection descriptor. For example:

```
dbc:oracle:thin:@(DESCRIPTION=(enable=broken)(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=node1-vip.mycompany.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=example.com)(INSTANCE_NAME=orcl1)))
```

As a result, the data source configuration appears as follows:

```
<url>jdbc:oracle:thin:@(DESCRIPTION=(enable=broken)(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=node1-vip.us.example.com)(PORT=1521)))(CONNECT_DATA=(SERVICE_NAME=example.com)(INSTANCE_NAME=orcl1)))</url>
  <driver-name>oracle.jdbc.xa.client.OracleXADataSource</driver-name>
  <properties>
    <property>
      <name>oracle.jdbc.ReadTimeout</name>
      <value>300000</value>
    </property>
    <property>
      <name>user</name>
      <value>jmsuser</value>
    </property>
    <property>
      <name>oracle.net.CONNECT_TIMEOUT</name>
      <value>10000</value>
    </property>
  </properties>
```

6.2.8 Message Sequencing and MLLP Not Supported in Oracle B2B HA Environments

Message sequencing and MLLP are not supported in Oracle B2B high availability (HA) environments.

6.2.9 Credentials not Propagated for Transport Protocols in B2B

The Oracle FMW credential store maintains usernames and passwords that you define for Transport protocols. If you use the default file store for these credentials, changes you make to usernames and passwords do not propagate across nodes. You must use a central LDAP for these credentials to be synchronized across nodes in a cluster, as described in, and required by, the Oracle Fusion Middleware High Availability Guide and Enterprise Deployment Guides.

6.2.10 Use Fully-Qualified Hostnames when Configuring Front-end Hosts in High Availability Configurations

Oracle recommends using the full name of the host, including the domain name, when configuring front-end hosts in Oracle Fusion Middleware high availability configurations. Use the host's full name instead of using only the host name.

For example, if `myhost` is the name of a frontend host in a high availability configuration, set the frontend host URL to the fully-qualified hostname, such as `myhost.mycompany.com` as DNS or local host name resolution files (for example, `/etc/hosts`) define.

6.2.11 Managed Server goes into Suspended Status After Oracle RAC Failover

The Managed Server `wls_ods(x)` can enter a suspended status in the following situations:

- A database connection in the data source is wrong or not complete.
- The host is not a fully-qualified host for the database.

To correct the status of the Managed Server `wls_ods(x)`:

1. Under the data source, verify that the database connection is correct and complete with the domain.
2. Under the data source, verify that the host name for the database is a fully-qualified hostname with the domain.
3. Verify the connection by selecting the Test button.

6.2.12 Primary/Secondary Configuration Section of the Availability Tab is Not Visible

During the system component scale out process, the Primary/Secondary Configuration section in the Availability tab of the Capacity Management page in Fusion Middleware Control may not be visible in the browser. This issue occurs when you perform the scale out process using Microsoft Internet Explorer version 7.0.5730.11.

To avoid this issue, do not use the browser Microsoft Internet Explorer version 7.0.5730.11 to scale out; use another browser such as Google Chrome.

6.2.13 Server Start Parameters Not Getting Set After Scaling Out the Oracle Business Intelligence Managed Server

After scaling out Oracle Business Intelligence, Server Start parameters are not getting set correctly. To work around this issue, update the Server Start parameters for the scaled out BI Managed Server to include the following:

```
-Dserver.group=obi arguments
```

6.2.14 Ensuring the Oracle HTTP Server Lock File is on a Local Drive

If you configure an Oracle instance for Oracle HTTP Server 11g on shared storage, such as NAS, NFS, or SAN storage, you must ensure that the lock file is created on a local drive instead of the shared drive. If you do not do this, Oracle HTTP Server might experience performance problems. Perform these steps to point the `LockFile` directive at a local file system:

1. Stop the OHS instances on `WEBHOST1` and `WEBHOST2`.
2. Open the file `ORACLE_INSTANCE/config/OHS/ohs_name/httpd.conf` in a text editor.
3. Find the `LockFile` directive, configured under both the `prefork` and `worker` MPM configuration blocks in the `httpd.conf` file. It looks like this:

```
LockFile ORACLE_INSTANCE/diagnostics/logs/COMPONENT_TYPE/COMPONENT_NAME/http_lock
```

4. Change the `LockFile` directive under the appropriate MPM configuration to point to a local file system, for example:

```
LockFile /local_disk/path/http_lock
```

5. Restart Oracle HTTP Server.
6. Verify that the `http_lock` file exists in the directory specified by the `LockFile` directive.

6.2.15 Recreating OSSO Agents that Point to the Load Balancer URL

A high availability Classic environment typically has a load balancer in front of the Classic OHS instances. When you configure a classic instance with OAM 11g, the Configuration Wizard automatically configures an OSSO agent. The OSSO agent contains the individual Classic OHS instance URL. In a high availability cluster consisting of two Classic instances, the Configuration Wizard automatically configures two OSSO agents. Each OSSO agent contains the URL information of one Classic Webtier instance URL.

In a high availability cluster, you must recreate an OSSO agent that points to the load balancer URL.

To recreate an OSSO agent that points to the load balancer URL:

1. From the OAM console, click **New OSSO Agent** to open the OSSO Wizard application.
2. Enter the following information:
 - **Name:** Enter any name
 - **Token Version:** Use the default setting, v3.0
 - **Base URL:** Enter the load balancer URL, for example `http://haqaedg04.us.example.com:7788`
 - **Admin ID:** Leave blank
 - **Admin Inf:** Leave blank
 - **Host Identifier:** Keep default value from the **Name** field.
 - **Auto Create Policies:** Check this setting to enable it.
3. Copy the `osso.conf` file of the new OSSO agent from the OAM server to the Classic Web Instances config directory.

6.2.16 Use Lower-Case Letters for GridLink Data Source RAC Service Name

When you create a GridLink data source in the Configuration Wizard, you must verify that the service name on the database uses lowercase letters only and is a qualified domain name. For example, `<mydbservice>.us.example.com`. The Service Name field is in the Configure GridLink RAC Component Schema screen.

Note: The Oracle RAC Service name is defined on the database; it is not a fixed name. Oracle recommends that you register/add the RAC service name with the database domain name, for example, `us.example.com`

6.2.17 Additional Steps Needed for Oracle RTD Request Forwarding to Work Correctly

Due to an Oracle RTD issue related to request forwarding, the frontend URL must be the same as the backend URL for deployments that include Oracle RTD. To set the frontend URL for Oracle RTD, perform the steps listed in the following procedures at the point indicated in the Oracle Business Intelligence EDG task flow.

After performing the steps listed in Section 5.7, "Setting the Listen Address for bi_server1 Managed Server," set the frontend URL for the bi_server1 Managed Server, as follows:

1. Log in to the Administration Console.
2. In the Change Center, click **Lock & Edit**.
3. Expand the **Environment** node in the Domain Structure window.
4. Click **Servers**. The Summary of Servers page is displayed.
5. Select **bi_server1** in the Names column of the table. The settings page for bi_server1 is displayed.
6. Click the **Protocols** tab.
7. Click the **HTTP** tab.
8. Set the **Frontend Host** field to APPHOST1VHN1 (your bi_server1 Listen address).
9. Click **Save**, then click **Activate Changes**.

After performing the steps listed in Section 6.4.1, "Setting the Listen Address for the bi_server2 Managed Server," set the frontend URL for the bi_server2 Managed Server, as follows:

1. Log in to the Administration Console.
2. In the Change Center, click **Lock & Edit**.
3. Expand the **Environment** node in the Domain Structure window.
4. Click **Servers**. The Summary of Servers page is displayed.
5. Select **bi_server2** in the Names column of the table. The settings page for bi_server2 is displayed.
6. Click the **Protocols** tab.
7. Click the **HTTP** tab.
8. Set the **Frontend Host** field to APPHOST2VHN1 (your bi_server2 Listen address).
9. Click **Save**, then click **Activate Changes**.

6.2.18 Error INST-08075 Occurs When Scaling Out the BI System

When you are scaling out the BI System using the Oracle Business Intelligence Configuration Assistant, the following error occurs:

```
INST-08075: Weblogic Server 10.3.6.0 is installed but Weblogic Server
Temporary is used in the BI Domain.
```

To work around this error, perform the following steps:

1. Open `MW_HOME/registry.xml` for editing.
2. Locate the following line:

```
<component name="WebLogic Server" version="10.3.6.0" InstallDir="ORACLE_
BASE/fmw/wlserver_10.3">
```

3. Change the line to the following:

```
<component name="WebLogic Server" version="Temporary" InstallDir="ORACLE_
BASE/fmw/wlserver_10.3"
```

4. Save and close the file.
5. Return to the Oracle Business Intelligence Configuration Assistant and proceed past the Scale Out BI System Details screen.
6. Revert the entry in `registry.xml` back to `version="10.3.6.0"`.

6.2.19 First Defined RAC Instance Must Be Available On Domain Startup When Configuring with RAC Multi Data Source

When you configure the RAC data source for OPSS, Oracle recommends using an Oracle GridLink data source type. If you decide to use a RAC multi data source, you must ensure that the first RAC instance listed in the multi data source definition is available during the first domain startup. If you do not use the first RAC instance listed, configuration fails.

6.3 Testing Abrupt Failures of WebLogic Server When Using File Stores on NFS

If JMS messages and transaction logs are stored on an NFS-mounted directory, Oracle strongly recommends that you verify the behavior of a server restart after abrupt machine failures. Depending on the NFS implementation, different issues can arise post failover/restart.

To verify server restart behavior, abruptly shut down the node that hosts WebLogic servers while the servers are running.

- If you configured the server for server migration, it should start automatically in failover node after the failover period.
- If you did not configure the server for server migration, you can manually restart the WebLogic Server on the same host after the node completely reboots.

If Oracle WebLogic Server does not restart after abrupt machine failure, the following error entry may appear in server log files:

```
<MMM dd, yyyy hh:mm:ss a z> <Error> <Store> <BEA-280061> <The persistent
store "_WLS_server_soal" could not be deployed:
weblogic.store.PersistentStoreException: java.io.IOException:
[Store:280021]There was an error while opening the file store file
"_WLS_SERVER_SOA1000000.DAT"
weblogic.store.PersistentStoreException: java.io.IOException:
[Store:280021]There was an error while opening the file store file
"_WLS_SERVER_SOA1000000.DAT"
    at weblogic.store.io.file.Heap.open(Heap.java:168)
    at weblogic.store.io.file.FileStoreIO.open(FileStoreIO.java:88)
...
java.io.IOException: Error from fcntl() for file locking, Resource
temporarily unavailable, errno=11
```

This error occurs when the NFSv3 system does not release locks on the file stores. WebLogic Server maintains locks on files that store JMS data and transaction logs to prevent data corruption that can occur if you accidentally start two instances of the same managed server. Because the NFSv3 storage device doesn't track lock owners, NFS holds the lock indefinitely if a lock owner crashes. As a result, after abrupt machine failure followed by a restart, subsequent attempts by WebLogic Server to acquire locks may fail.

If it is not reasonably possible to tune locking behavior in your NFS environment, use one of the following solutions to unlock the logs and data files:

- Use the WebLogic Server Administration Console to disable WebLogic file locking mechanisms for the default file store, a custom file store, a JMS paging file store, and a Diagnostics file store. To do this, see *Considerations for Using File Stores on NFS* in the *Oracle Fusion Middleware High Availability Guide*.
- Manually unlock the logs and JMS data files and start the servers by creating a copy of the locked persistence store file and using the copy for subsequent operations. See the following section [Unlocking Logs and Data Files Manually](#).

Unlocking Logs and Data Files Manually

Manually unlock the logs and JMS data files and start the servers by creating a copy of the locked persistence store file and using the copy for subsequent operations. To create a copy of the locked persistence store file, rename the file then copy it back to its original name. The following sample steps assume that transaction logs are stored in the `/shared/tlogs` directory and JMS data is stored in the `/shared/jms` directory.

```
cd /shared/tlogs
mv _WLS_SOA_SERVER1000000.DAT _WLS_SOA_SERVER1000000.DAT.old
cp _WLS_SOA_SERVER1000000.DAT.old _WLS_SOA_SERVER1000000.DAT
cd /shared/jms
mv SOAJMSFILESTORE_AUTO_1000000.DAT SOAJMSFILESTORE_AUTO_1000000.DAT.old
cp SOAJMSFILESTORE_AUTO_1000000.DAT.old SOAJMSFILESTORE_AUTO_1000000.DAT
mv UMSJMSFILESTORE_AUTO_1000000.DAT UMSJMSFILESTORE_AUTO_1000000.DAT.old
cp UMSJMSFILESTORE_AUTO_1000000.DAT.old UMSJMSFILESTORE_AUTO_1000000.DAT
```

With this solution, the WebLogic file locking mechanism continues to protect against accidental data corruption if multiple instances of the same servers are accidentally started. However, you must restart the servers manually after abrupt machine failures. File stores create multiple consecutively numbered.DAT files when they store large amounts of data. You may need to copy and rename all files when this occurs.

6.4 Documentation Errata

This section describes documentation errata. It includes the following topics:

- [Section 6.4.1, "Documentation Errata for the Fusion Middleware High Availability Guide"](#)
- [Section 6.4.2, "Documentation Errata for the Fusion Middleware Enterprise Deployment Guide for Oracle Identity Management"](#)

6.4.1 Documentation Errata for the Fusion Middleware High Availability Guide

This section contains Documentation Errata for *Oracle Fusion Middleware High Availability Guide*.

It includes the following topics:

- [Section 6.4.1.1, "Latest Requirements and Certification Information"](#)
- [Section 6.4.1.2, "Error in Line to Add to mod_wl_ohs.conf File"](#)

6.4.1.1 Latest Requirements and Certification Information

Several manuals in the Oracle Fusion Middleware 11g documentation set have information on Oracle Fusion Middleware system requirements, prerequisites,

specifications, and certification information. For the latest information on these topics, see the following documents on Oracle Technology Network:

http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html

This document contains information related to hardware and software requirements, minimum disk space and memory requirements, and required system libraries, packages, or patches. It also includes information on supported installation types, platforms, operating systems, databases, JDKs, and third-party products.

6.4.1.2 Error in Line to Add to mod_wl_ohs.conf File

In Chapter 5, "Configuring High Availability for Oracle SOA Suite," the line `<Location /DefaultToDoTaskFlow/>` should be `<Location /workflow/DefaultToDoTaskFlow/>` in the `mod_wl_ohs.conf` file. Instances of this line are in Sections 5.3.13 and 5.14.15.

6.4.2 Documentation Errata for the Fusion Middleware Enterprise Deployment Guide for Oracle Identity Management

This section contains documentation errata for *Oracle Fusion Middleware Enterprise Deployment Guide for Oracle Identity Management*.

It includes the following topics:

- [Section 6.4.2.1, "Set -DDomainRegistrationEnabled=true when Starting Node Manager"](#)
- [Section 6.4.2.2, "Ignore Empty Section in the Oracle Virtual Directory Chapter"](#)
- [Section 6.4.2.3, "Installing Identity Management Sections Are Incorrectly Organized"](#)
- [Section 6.4.2.4, "Errors in Instructions for Using the Guide"](#)
- [Section 6.4.2.5, "LDIF File Error in Procedure for Creating Users and Groups for Oracle WebLogic Server"](#)
- [Section 6.4.2.6, "Run Additional emctl Commands When Extending the Domain with Oracle Internet Directory or Oracle Virtual Directory"](#)
- [Section 6.4.2.7, "Errors in Section 2.4, Shared Storage and Recommended Directory Structure"](#)

6.4.2.1 Set -DDomainRegistrationEnabled=true when Starting Node Manager

The November 2010 edition of *Oracle Fusion Middleware Enterprise Deployment Guide for Oracle Identity Management* failed to mention that, prior to starting the Node Manager that controls the WebLogic Administration Server, you must set `-DDomainRegistrationEnabled=true`. For example:

```
export JAVA_OPTIONS=-DDomainRegistrationEnabled=true
```

6.4.2.2 Ignore Empty Section in the Oracle Virtual Directory Chapter

In the November 2010 edition of *Oracle Fusion Middleware Enterprise Deployment Guide for Oracle Identity Management*, Section 8.1.1 in Chapter 11, "Extending the Domain with Oracle Virtual Directory is an empty section." Please ignore it.

6.4.2.3 Installing Identity Management Sections Are Incorrectly Organized

In *Oracle Fusion Middleware Enterprise Deployment Guide for Oracle Identity Management 11g Release 1 (11.1.1.5)*, Part Number E12035-07, Section 4.5.5, "Installing Oracle Identity Management," should be reorganized as follows:

- The content beginning with "Start the Oracle Fusion Middleware 11g Oracle Identity Management Installer" should be in a subsection, Section 4.5.5.1, entitled "Installing Oracle Identity Management 11.1.1.2."
- Section 4.5.6, "Upgrading the Oracle Homes for Oracle Identity Management from 11.1.1.2 to 11.1.1.5" should be Section 4.5.5.2.

6.4.2.4 Errors in Instructions for Using the Guide

Errors exist in Section 1.6, "Using This Guide." They should be corrected as follows:

- Step 11 should be:
If you are using Oracle Access Manager, follow the steps in Chapter 12, "Extending the Domain with Oracle Access Manager 11g."
- Steps 11 through 18 should refer to chapters, not sections.

6.4.2.5 LDIF File Error in Procedure for Creating Users and Groups for Oracle WebLogic Server

The LDIF file in Step 2a of Section 11.4.4, "Creating Users and Groups for Oracle WebLogic Server," is missing some line breaks. It should appear as follows:

```
dn: cn=orclFAUserReadPrivilegeGroup,cn=Groups,dc=mycompany,dc=com
changetype: modify
add: uniquemember
uniquemember: cn=IDROUser,cn=Users,dc=mycompany,dc=com
```

6.4.2.6 Run Additional emctl Commands When Extending the Domain with Oracle Internet Directory or Oracle Virtual Directory

In the chapters "Extending the Domain with Oracle Internet Directory" and "Extending the Domain with Oracle Virtual Directory," you are instructed run

```
./emctl switchOMS ReposURL
```

to enable the local emagent to communicate with the WebLogic Administration Server using the virtual IP address. After you have run that command, you must also perform the following tasks:

- Force the agent to reload its configuration by issuing the command:

```
./emctl reload
```
- Check that the agent is using the correct Upload URL using the command:

```
./emctl status agent
```

6.4.2.7 Errors in Section 2.4, Shared Storage and Recommended Directory Structure

Table 2-3, Recommended Directory Structure, is missing some values in the Shared Storage column. The following table entries should have the value "Yes" in the **Shared Storage** column, indicating that these directories should be on shared storage:

- *IAM_ORACLE_HOME*
- *ASERVER_DOMAIN_HOME*
- *ASERVER_APP_HOME*

Part II

Oracle Development Tools

Part II contains the following chapters:

- Chapter 7, "Oracle JDeveloper and Oracle Application Development Framework (ADF)"
- Chapter 8, "Oracle TopLink"

Oracle JDeveloper and Oracle Application Development Framework (ADF)

The latest known issues associated with Oracle JDeveloper and Application Developer Framework (ADF) are available on the Oracle Technology Network (OTN) at:

<http://www.oracle.com/technetwork/developer-tools/jdev/index-101256.html>.

For more information and technical resources for Oracle JDeveloper and Application Developer Framework (ADF), visit the product center on the Oracle Technology Network at:

<http://www.oracle.com/technetwork/developer-tools/jdev/overview/index.html>.

This chapter describes issues associated with Oracle TopLink. It includes the following topics:

- Section 8.1, "General Issues and Workarounds"

8.1 General Issues and Workarounds

This section describes general issue and workarounds. It includes the following topic:

- Section 8.1.1, "TopLink Object-Relational Issues"
- Section 8.1.2, "TopLink Workbench Issues"
- Section 8.1.3, "Oracle Database Extensions with TopLink"
- Section 8.1.4, "Allowing Zero Value Primary Keys"
- Section 8.1.5, "Managed Servers on Sybase with JCA Oracle Database Service"
- Section 8.1.6, "Logging Configuration with EclipseLink Using Container Managed JPA"
- Section 8.1.7, "Grid Cache requires CacheLoader"

8.1.1 TopLink Object-Relational Issues

This section contains information on the following issues:

- Section 8.1.1.1, "Cannot set EclipseLink log level in WLS System MBean Browser"
- Section 8.1.1.2, "Incorrect outer join SQL on SQLServer2005"
- Section 8.1.1.3, "UnitOfWork.release() not Supported with External Transaction Control"
- Section 8.1.1.4, "Returning Policy for UPDATE with Optimistic Locking"
- Section 8.1.1.5, "JDBC Drivers returning Timestamps as Strings"
- Section 8.1.1.6, "Unit of Work does not add Deleted Objects to Change Set"

8.1.1.1 Cannot set EclipseLink log level in WLS System MBean Browser

Use Oracle Enterprise Manager to set the EclipseLink log level; do not use the WLS System MBean Browser to complete this action.

8.1.1.2 Incorrect outer join SQL on SQLServer2005

TopLink generates incorrect outer join for SQL Server v2005. The outer join syntax generated is correct for earlier versions of this database. To work around this limitation, reconfigure the database compatibility (refer to the SQLServer documentation for details). Alternatively, you can use a custom TopLink database platform.

8.1.1.3 UnitOfWork.release() not Supported with External Transaction Control

A unit of work synchronized with a Java Transaction API (JTA) will throw an exception if it is released. If the current transaction requires its changes to not be persisted, the JTA transaction must be rolled back.

When in a container-demarcated transaction, call `setRollbackOnly()` on the EJB/session context:

```
@Stateless
public class MySessionBean
{
    @Resource
    SessionContext sc;

    public void someMethod()
    {
        ...
        sc.setRollbackOnly();
    }
}
```

When in a bean-demarcated transaction then you call `rollback()` on the `UserTransaction` obtained from the EJB/session context:

```
@Stateless
@TransactionManagement(TransactionManagementType.BEAN)
public class MySessionBean implements SomeInterface
{
    @Resource
    SessionContext sc;

    public void someMethod()
    {
        sc.getUserTransaction().begin();
        ...
        sc.getUserTransaction().rollback();
    }
}
```

8.1.1.4 Returning Policy for UPDATE with Optimistic Locking

The returning policy, which allows values modified during `INSERT` and `UPDATE` to be returned and populated in cached objects, does not work in conjunction with numeric version optimistic locking for `UPDATE`. The value returned for all `UPDATE` operations is `1` and does not provide meaningful locking protection.

Do not use a returning policy for `UPDATE` in conjunction with numeric optimistic locking.

The use of returning policy for `INSERT` when using optimistic locking works correctly.

8.1.1.5 JDBC Drivers returning Timestamps as Strings

TopLink assumes that date and time information returned from the server will use `Timestamp`. If the JDBC driver returns a `String` for the current date, TopLink will throw an exception. This is the case when using a DB2 JDBC driver.

To work around this issue, consider using a driver that returns `Timestamp` (such as `COM.ibm.db2.jdbc.app.DB2Driver`) or change the policy to use local time instead of server time.

Another option is to use a query re-director on the `ValueReadQuery` used by the platform:

```
ValueReadQuery vrq = new ValueReadQuery(
    "SELECT to_char(sysdate, 'YYYY-MM-DD HH:MM:SS.SSSS') FROM DUAL"
);
vrq.setRedirector(new TSQueryRedirector());
...
class TSQueryRedirector implements QueryRedirector
{
    public Object invokeQuery(DatabaseQuery query, Record arguments, Session session)
    {
        String value = (String)session.executeQuery(query);
        return ConversionManager.getDefaultManager().convertObject(
            value, java.sql.Timestamp.class
        );
    }
}
```

8.1.1.6 Unit of Work does not add Deleted Objects to Change Set

When accessing the change set of a Unit of Work to determine what has changed, objects that are pending deletion (such as `uow.deleteObject()` and `uow.deleteAllObjects()`) will not be returned from the result set.

The objects pending deletion are only available through the Unit of Work `getDeletedObjects` call.

8.1.2 TopLink Workbench Issues

This section contains information on the following issues:

- [Section 8.1.2.1, "User Interface Issue"](#)
- [Section 8.1.2.2, "Accessibility"](#)
- [Section 8.1.2.3, "Running the TopLink Workbench on Windows OS"](#)

8.1.2.1 User Interface Issue

When running TopLink Mapping Workbench using JDK 1.7, dialogs with a group box containing check boxes or radio buttons may display duplicated or truncated group box titles. There is no loss of functionality, and you should proceed as usual.

8.1.2.2 Accessibility

Due to an issue with HP-UX JDK 1.6, if `NullPointerException` error dialog is generated when saving a file, the error dialog window is not in focus.

8.1.2.3 Running the TopLink Workbench on Windows OS

Due to an issue with certain configurations and versions of Windows operating systems, users that launch the TopLink Workbench with the `workbench.cmd` file may

receive a dialog that states: *Could not find the main class*. This occurs because the classpath specified contains a directory path which has periods in it. The workaround is to rename the offending directory or change the classpath to use directory paths which do not contain periods.

8.1.3 Oracle Database Extensions with TopLink

This section contains information on the following issue:

- [Section 8.1.3.1, "Template JAR for Spatial and XDB Support in Oracle WebLogic Server"](#)

8.1.3.1 Template JAR for Spatial and XDB Support in Oracle WebLogic Server

To fully support Oracle Spatial and Oracle XDB mapping capabilities (in both standalone Oracle WebLogic Server and the Oracle JDeveloper integrated WebLogic Server), you must use the `toplink-spatial-template.jar` and `toplink-xdb-template.jar` to extend the WebLogic Server domain to support Oracle Spatial and XDB, respectively.

To extend your WebLogic Server domain:

1. Download the `toplink-spatial-template.jar` (to support Oracle Spatial) and `toplink-xdb-template.jar` (to support Oracle XDB) files from:
 - <http://download.oracle.com/otn/java/toplink/111110/toplink-spatial-template.jar>
 - <http://download.oracle.com/otn/java/toplink/111110/toplink-xdb-template.jar>
2. Use [Table 8–1, "To Support Oracle Spatial"](#) or [Table 8–2, "To Support Oracle XDB"](#) to determine which files to copy.

Table 8–1 To Support Oracle Spatial

Copy this file	From... ¹	To... ²
<code>sdoapi.jar</code>	<code><ORACLE_DATABASE_HOME>/md/jlib</code>	<code><WEBLOGIC_HOME>/server/lib</code>

¹ These are the default locations. Your actual location may vary depending on your specific environment, installed options, and version.

² When using Oracle JDeveloper integrated WebLogic Server, the `<WEBLOGIC_HOME>` is located within the `<JDEVELOPER_HOME>` directory.

Table 8–2 To Support Oracle XDB

Copy this file	From... ¹	To... ²
<code>xdb.jar</code>	<code><ORACLE_DATABASE_HOME>/rdbsms/jlib</code>	<code><WEBLOGIC_HOME>/server/lib</code>
<code>xml.jar</code>	<code><ORACLE_DATABASE_HOME>/lib</code>	<code><WEBLOGIC_HOME>/server/lib</code>
<code>xmlparserv2.jar</code>	<code><ORACLE_DATABASE_HOME>/lib</code>	<code><WEBLOGIC_HOME>/server/lib</code>
<code>ori18n-mapping.jar</code>	<code><ORACLE_DATABASE_HOME>/jlib</code>	<code><WEBLOGIC_HOME>/server/lib</code>

¹ These are the default locations. Your actual location may vary depending on your specific environment, installed options, and version.

² When using Oracle JDeveloper integrated WebLogic Server, the `<WEBLOGIC_HOME>` is located within the `<JDEVELOPER_HOME>` directory.

³ Use `ori18n-mapping.jar` for Oracle Database 11.2 and higher.

Note: Although the actual JAR file may be named differently in your **From** directory, the file must be named as shown, when copied to the **To** directory.

3. Launch the Config Wizard (<WEBLOGIC_HOME>/common/bin/config.sh (or .bat).
4. Select **Extend an existing WebLogic domain**.
5. Browse and select your WebLogic Server domain.

When using JDeveloper with integrated WebLogic Server, the typical WebLogic Server domain location may be similar to:

- In Windows environments:

```
%APPDATA%\JDeveloper\systemXX.XX.XX.XX\DefaultDomain
```

where XX.XX.XX.XX is the unique number of the product build.

For Windows platforms, you must enable the **Show hidden files and folders** folder option.

- In non-Windows environments, the default location is under the current user's default home directory: <\$Home>/DefaultDomain

Refer to the Oracle JDeveloper documentation for details.

6. Select **Extend my domain using an existing extension template**.
7. Browse and select the required template JAR (**toplink-spatial-template.jar** for Oracle Spatial, **toplink-xdb-template.jar** for Oracle XDB).
8. Complete the remaining pages of the wizard.

8.1.4 Allowing Zero Value Primary Keys

By default, EclipseLink interprets *zero* as *null* for primitive types that cannot be null (such as `int` and `long`) causing zero to be an invalid value for primary keys. You can modify this setting by using the `allow-zero-id` property in the `persistence.xml` file. Valid values are:

- **true** – EclipseLink interprets zero values as *zero*. This permits primary keys to use a value of zero.
- **false** (default) – EclipseLink interprets zero as *null*.

Refer the *EclipseLink User's Guide* at

<http://wiki.eclipse.org/EclipseLink/UserGuide> for more information.

8.1.5 Managed Servers on Sybase with JCA Oracle Database Service

When using a JCA service with the Oracle Database adapter in a cluster to perform database operations on a Sybase database, the managed nodes in the cluster process the messages and may attempt to perform duplicate operations.

Because supported versions of Sybase do not support Oracle TopLink record locking, Sybase allows the duplicate operation attempts.

8.1.6 Logging Configuration with EclipseLink Using Container Managed JPA

By default, EclipseLink users in container managed JPA will use the Oracle WebLogic Server logging options to report all log messages generated by EclipseLink. Refer to

"Configuring WebLogic Logging Services" in *Oracle® Fusion Middleware Configuring Log Files and Filtering Log Messages for Oracle WebLogic Server*.

To use the EclipseLink native logging configuration, add the following property to your `persistence.xml` file:

```
<property name="eclipselink.logging.logger" value="DefaultLogger" />
```

8.1.7 Grid Cache requires CacheLoader

An `oracle.eclipselink.coherence.integrated.EclipseLinkJPACacheLoader` must be configured for entities configured as Grid Cache to ensure the necessary TopLink Grid wrapper class is generated.

Part III

Web Tier

Part III contains the following chapters:

- [Chapter 9, "Oracle HTTP Server"](#)
- [Chapter 10, "Oracle Web Cache"](#)

Oracle HTTP Server

This chapter describes issues and release-specific user information associated with Oracle HTTP Server. It includes the following notes:

- [Section 9.1, "mod_security Reintroduced"](#)
- [Section 9.2, "Installing OHS 11.1.1.7 with WLS 12g"](#)

9.1 mod_security Reintroduced

The mod_security plug-in was removed from earlier versions of Oracle HTTP Server but is reintroduced in version 11.1.1.7. This version follows the recommendations and practices prescribed for open source mod_security 2.6.2. Only documentation applicable to open source Apache mod_security 2.6.2 is applicable to the Oracle HTTP Server implementation of the module.

9.2 Installing OHS 11.1.1.7 with WLS 12g

You can install Oracle HTTP Server 11.1.1.7 with the Oracle WebLogic Server 12c JRF/ADF combination if you do the following:

- Install the two components separately, from scratch, and choose the correct versions (Oracle HTTP Server 11.1.1.7 with Oracle WebLogic Server 12c JRF/ADF)
- During the OHS 11g installation, deselect the components associated with a WebLogic Domain.

This chapter describes issues associated with Oracle Web Cache. It includes the following topics:

- [Section 10.1, "Configuration Issues and Workarounds"](#)
- [Section 10.2, "Documentation Errata"](#)

10.1 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 10.1.1, "Reset the Random Password Generated When Installing Oracle Portal, Forms, Reports, and Discoverer"](#)
- [Section 10.1.2, "Running Oracle Web Cache Processes as a Different User Is Not Supported"](#)
- [Section 10.1.3, "Using Web Cache in an IPv6 Network"](#)

10.1.1 Reset the Random Password Generated When Installing Oracle Portal, Forms, Reports, and Discoverer

For enhanced security, no default hard-coded passwords are used for managing Oracle Web Cache.

When you install the Oracle Web Tier installation type, the Oracle Universal Installer prompts you to choose a password. The Web Cache Administrator page of the Oracle Universal Installer prompts you to enter a password for the `administrator` account. The `administrator` account is the Oracle Web Cache administrator authorized to log in to Oracle Web Cache Manager and make configuration changes through that interface.

When you install Oracle Portal, Forms, Reports, and Discoverer, the prompt for the `administrator` password is missing. Instead, the Oracle Portal, Forms, Reports and Discoverer install type uses a random value chosen at install time.

Regardless of the installation type, before you begin configuration, change the passwords for these accounts to a secure password. If you are configuring a cache cluster, all members of the cluster must use the same password for the `administrator` account.

To change the password, use the Passwords page of Fusion Middleware Control, as described in "Configuring Password Security" in the *Oracle Fusion Middleware Administrator's Guide for Oracle Web Cache*.

10.1.2 Running Oracle Web Cache Processes as a Different User Is Not Supported

Running Oracle Web Cache as a user other than the installed user through the use of the `webcache_setuser.sh setidentity` command is not supported.

Specifically, you *cannot* change the user ID with the following sequence:

1. Change the process identity of the Oracle Web Cache processes in the Process Identity page using Oracle Web Cache Manager (**Properties** > **Process Identity**).
2. Use the `webcache_setuser.sh` script as follows to change file and directory ownership:

```
webcache_setuser.sh setidentity user_ID
```

`user_ID` is the user you specified in the **User ID** field of the Process Identity page.

3. Restart Oracle Web Cache using `opmnctl`.

Oracle Web Cache will start and then immediately shut down.

In addition, messages similar to the following are displayed in the event log:

```
[2009-06-02T21:22:46+00:00] [webcache] [ERROR:1] [WXE-13212] [logging] [ecid: ]
Access log file
/scratch/webtier/home/instances/instance1/diagnostics/logs/WebCache/webcache1/a
ccess_log could not be opened.
[2009-06-02T21:22:46+00:00] [webcache] [WARNING:1] [WXE-13310] [io] [ecid: ]
Problem opening file
/scratch/webtier/home/instances/instance1/config/WebCache/webcache1/webcache.pi
d (Access Denied).
[2009-06-02T21:22:46+00:00] [webcache] [ERROR:1] [WXE-11985] [esi] [ecid: ]
Oracle Web Cache is unable to obtain the size of the default ESI fragment page
/scratch/webtier/home/instances/instance1/config/WebCache/webcache1/files/esi_
fragment_error.txt.
[2009-06-02T21:22:46+00:00] [webcache] [WARNING:1] [WXE-11905] [security]
[ecid: ] SSL additional information: The system could not open the specified
file.
```

For more information about the `webcache_setuser.sh` script, see "Running webcached with Root Privilege" in the *Oracle Fusion Middleware Administrator's Guide for Oracle Web Cache*.

10.1.3 Using Web Cache in an IPv6 Network

Oracle Web cache supports the IPv6 address family by default. However, before using IPv6, you must ensure that IPv6 support is enabled in the operating system. This issue is not applicable for IPv4-only systems and for systems that support IPv6 at the kernel level.

10.2 Documentation Errata

This section provides clarifications for errors in Oracle Web Cache documentation. It includes the following topics:

- [Section 10.2.1, "Procedure to Enable Generation of Core Dump"](#)
- [Section 10.2.2, "Clarification About Support for CRLs"](#)
- [Section 10.2.3, "Clarifications About Configuring the CRL Location"](#)

10.2.1 Procedure to Enable Generation of Core Dump

Information about enabling generation of core dump is not available in the *Oracle Fusion Middleware Administrator's Guide for Oracle Web Cache*.

To enable generation of a core dump when Oracle Web Cache is shut down, add `CORE="YES"` to the `TRACEDUMP` element in the `$INSTANCE_HOME/config/WebCache/webcache_name/webcache.xml` file.

The updated `TRACEDUMP` element would look like the following:

```
<TRACEDUMP FILENAME=file_name CORE="YES"/>
```

The core dump file with the specified name is created in the `$INSTANCE_HOME/config/WebCache/webcache_name` directory.

10.2.2 Clarification About Support for CRLs

Section 5.1.1.2.2, "Certificate" of the *Oracle Fusion Middleware Administrator's Guide for Oracle Web Cache* states the following:

"Although the Oracle HTTP Server supports OpenSSL certificate revocation lists, Oracle Web Cache does not."

This statement is incorrect. Oracle Web Cache *does* support CRLs.

10.2.3 Clarifications About Configuring the CRL Location

Section 5.5.3, "Configuring Certificate Revocation Lists (CRLs)" of the *Oracle Fusion Middleware Administrator's Guide for Oracle Web Cache* has the following incorrect statements:

- **Incorrect statement:** "Fusion Middleware Control or Oracle Web Cache Manager do not provide support for client certificate validation with Certificate Revocation Lists (CRLs). You can configure this support by manually editing the `webcache.xml` file."

Clarification: This statement is incorrect. You can enable and configure support for CRLs by using the Oracle Web Cache Manager, as follows:

1. Go to the **Listen Ports** page.
2. Select the HTTPS port for which you want to configure CRL settings, and click **Edit Selected**.

The **Edit/Add Listen Port** dialog box is displayed.

3. Select the **Certificate Revocation List Enabled** option.
4. In the **CRL Path** field, specify the fully qualified path to the directory in which the CRLs are stored. For example, `/home/crl`.
5. In the **CRL File** field, specify the fully qualified path and filename of the CRL file. For example, `/home/oracle/crl/CA/crl`.

- **Incorrect statement:** Step 4 of the procedure to configure certificate validation using CRLs: "Configure CRL file location by adding the `SSLCRLPATH` and `SSLCRLFILE` parameters to the `HTTPS LISTEN` directive."

Clarification: This statement is incorrect. You must add *either* `SSLCRLPATH` or `SSLCRLFILE` to the `HTTPS LISTEN` directive, not both.

Part IV

Oracle WebLogic Server

Part IV contains the following chapters:

- Chapter 11, "Oracle WebLogic Server"

Oracle WebLogic Server

This chapter describes issues associated with Oracle WebLogic Server. It includes the following topics:

- Section 11.1, "General Issues and Workarounds"
- Section 11.2, "Administration Console Issues and Workarounds"
- Section 11.3, "Apache Beehive Support Issues and Workarounds"
- Section 11.4, "Configuration Issues and Workarounds"
- Section 11.5, "Connector (Resource Adapter) Issues and Workarounds"
- Section 11.6, "Console Extensions Issues and Workarounds"
- Section 11.7, "Core Server and Core Work Manager Issues and Workarounds"
- Section 11.8, "Deployment Issues and Workarounds"
- Section 11.9, "EJB Issues and Workarounds"
- Section 11.10, "Examples Issues and Workarounds"
- Section 11.11, "HTTP Publish/Subscribe Server Issues and Workarounds"
- Section 11.12, "Installation Issues and Workarounds"
- Section 11.13, "Java EE Issues and Workarounds"
- Section 11.14, "JDBC Issues and Workarounds"
- Section 11.15, "JDK Issues and Workarounds"
- Section 11.16, "JMS Issues and Workarounds"
- Section 11.17, "JNDI Issues and Workarounds"
- Section 11.18, "JSP and Servlet Issues and Workarounds"
- Section 11.19, "JTA Issues and Workarounds"
- Section 11.20, "Java Virtual Machine (JVM) Issues and Workarounds"
- Section 11.21, "Monitoring Issues and Workarounds"
- Section 11.22, "Node Manager Issues and Workarounds"
- Section 11.23, "Operations, Administration, and Management Issues and Workarounds"
- Section 11.24, "Oracle Kodo Issues and Workarounds"
- Section 11.25, "Protocols Issues and Workarounds"
- Section 11.26, "RMI-IIOP Issues and Workarounds"

- [Section 11.27, "Security Issues and Workarounds"](#)
- [Section 11.28, "SNMP Issues and Workarounds"](#)
- [Section 11.29, "Spring Framework on WebLogic Server Issues and Workarounds"](#)
- [Section 11.30, "System Component Architecture \(SCA\) Issues and Workarounds"](#)
- [Section 11.31, "Upgrade Issues and Workarounds"](#)
- [Section 11.32, "Web Applications Issues and Workarounds"](#)
- [Section 11.33, "WebLogic Server Scripting Tool \(WLST\) Issues and Workarounds"](#)
- [Section 11.34, "Web Server Plug-Ins Issues and Workarounds"](#)
- [Section 11.35, "Web Services and XML Issues and Workarounds"](#)
- [Section 11.36, "WebLogic Tuxedo Connector Issues and Workarounds"](#)
- [Section 11.37, "Documentation Errata"](#)

Note: For a list of bugs that are fixed in WebLogic Server 11g Release 1 (10.3.6), enter the following document ID in the Search Knowledge Base field. You must enter the entire document ID.

1302753.1

11.1 General Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.1.1, "Multi-Byte Characters Display Incorrectly in Filenames When Using Safari"](#)
- [Section 11.1.2, "Oracle WebLogic Server Version Number"](#)
- [Section 11.1.3, "Oracle ojdbc14.jar File Has Been Changed to ojdbc6.jar"](#)
- [Section 11.1.4, "Strong Password Enforcement May Cause Issues With WLST Offline Scripts"](#)
- [Section 11.1.5, "In Turkish Locale, MDS Initialization Fails"](#)
- [Section 11.1.6, "Administration Server Reports a 'Too Many Open Files' Message on the EM Console"](#)
- [Section 11.1.7, "Availability of Sun JDK 6 U35-B52 for 10.3.5.0 Oracle WLS Generic Installation"](#)

11.1.1 Multi-Byte Characters Display Incorrectly in Filenames When Using Safari

When using the Safari browser to download content, if a filename contains multi-byte characters, the characters are displayed as '-----' in the filename.

Workaround

Set `UseHeaderEncoding` to `true` on the Managed Server. Use the following WLST commands to do so:

```
connect("admin_name", "admin_password", "t3://localhost:port")
edit()
startEdit()
cd("Servers/server_name/WebServer/server_name")
set("UseHeaderEncoding", "true")
```

```
save()
activate()
exit()
```

11.1.2 Oracle WebLogic Server Version Number

Oracle Fusion Middleware 11g contains Oracle WebLogic Server 11g. The version number of Oracle WebLogic Server is 10.3.6.

11.1.3 Oracle ojdbc14.jar File Has Been Changed to ojdbc6.jar

The Oracle `ojdbc14.jar` file has been changed to `ojdbc6.jar`, for use with JDK 5 or 6. As a result, any explicit references you make to `ojdbc14.jar` must be changed to `ojdbc6.jar`.

11.1.4 Strong Password Enforcement May Cause Issues With WLST Offline Scripts

With the implementation of strong password enforcement (8 character minimum with one numeric or special character) in this release of WebLogic Server, existing scripts could potentially encounter issues.

Workaround

Use either of the following workarounds to bypass the new password restrictions.

- Set the `BACKWARD_COMPAT_PW_CHECK` environment variable to `true`.
- Include the `-Dbackward.compat.pw.check=true` option when invoking WLST.

Oracle recommends that you change passwords to comply with the new password requirements, as this variable and option will be removed in a future release of WebLogic Server.

11.1.5 In Turkish Locale, MDS Initialization Fails

Any applications that use an MDS repository cannot be deployed or run with the JAXB version bundled with WebLogic Server as null values are returned for attributes named `id`.

Workaround

Start the server in English locale.

11.1.6 Administration Server Reports a 'Too Many Open Files' Message on the EM Console

The WebLogic Server Administration Server reports a `Too Many Open Files` message on the Enterprise Manager (EM) console when the maximum number of file descriptors configured for the Administration Server is less than 65535.

Workaround

Increase the number of file descriptors within the shell and restart the WLS Administration Server within that shell. The command to increase the number of file descriptors (`nfiles`) differs across Operating Systems and shells but it is usually done with the `ulimit` command on UNIX platforms. So, consult the man pages for `ulimit`.

For example:

```
$ ulimit -n 65535
```

11.1.7 Availability of Sun JDK 6 U35-B52 for 10.3.5.0 Oracle WLS Generic Installation

Sun JDK 1.6.0.U35-B52 version is required for Oracle WebLogic Server 10.3.5.0 (PS4) generic installation on Linux x86-64, Microsoft Windows x64 (64-Bit), and Oracle Solaris platforms.

The mentioned version of JDK is not available for download from the Oracle Web site:

<http://www.oracle.com/technetwork/indexes/downloads/index.html>

Complete the following steps to download the required JDK version:

1. Go to My Oracle Support:
<https://support.oracle.com>
2. Click the **Patches & Updates** tab.
3. Enter patch 12346791 in the **Patch Name or Number** field, under Patch Search.
4. Click **Search**.
5. Select and download the patch for the required platform by following the instructions in the **README** file included with the patch.

11.2 Administration Console Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.2.1, "Cached JDBC Information is not Displayed"](#)
- [Section 11.2.2, "Pressing Browser Back Button Discards Context"](#)
- [Section 11.2.3, "Unsupported Work Manager Configurations Can Be Created"](#)
- [Section 11.2.4, "Server Status Table Reflects Inconsistent Information"](#)
- [Section 11.2.5, "Exceptions When Defining a Security Policy for an EJB"](#)
- [Section 11.2.6, "Administration Console Does Not Always Reflect External Changes Made in a Deployment Plan"](#)
- [Section 11.2.7, "Oracle OCI Driver Support"](#)
- [Section 11.2.8, "Data Takes a Long Time to Display on the Metric Browser Tab"](#)

11.2.1 Cached JDBC Information is not Displayed

Information about cached JDBC statements is not displayed on the JDBC Monitoring pages.

11.2.2 Pressing Browser Back Button Discards Context

After a page flow completes in the Administration Console, it forwards to a different page, typically a table.

Pressing the browser Back button at this point results in an attempt to load the last JSP file in the completed assistant. At this point, all of the context for this assistant is discarded.

Workaround

Oracle recommends that you do not use the browser Back button to step back into an assistant once changes are cancelled or finished, and that you do not go back to a previous step in an assistant. Instead, use the navigation links and buttons in the Administration Console.

11.2.3 Unsupported Work Manager Configurations Can Be Created

The Administration Console permits the creation of Work Manager configurations that are not supported and do not function as intended. Incorrect Work Manager configurations may result in a number of exceptions being recorded in the server logs, most commonly 'Validation problems were found' exceptions while parsing deployment descriptors.

Workaround

Follow the guidelines described in the online help for Work Manager configurations. Specifically, you can only assign one request class to any given Work Manager, and that request class must be of the same or a broader scope than the Work Manager. You should not assign an application-scoped request class to a global Work Manager, and you should not create more than one application-scoped request class for an application-scoped Work Manager.

Correcting the Work Manager configurations to match the documented constraints resolves these issues.

11.2.4 Server Status Table Reflects Inconsistent Information

The Server Status table on the **Cluster: Monitoring: Summary** page includes two default columns: **Primary** and **Secondary Distribution Names**. These fields do not always reflect all of the replication statistics that are collected and displayed on the **Cluster: Monitoring: Failover** page, depending on the replication scenario.

Please refer to the **Cluster: Monitoring: Failover** page for definitive information.

11.2.5 Exceptions When Defining a Security Policy for an EJB

When defining security policies in the Administration Console for an EJB deployment that references types defined in a separate library deployment, exceptions can be observed if that library deployment is not available to the Console.

Workaround

All library deployments should be targeted at the WebLogic Server Administration Server as well as any Managed Servers needed to support referencing applications. This will ensure that when defining policies, the Console will have access to those library deployments so that referenced types can be class-loaded as needed.

11.2.6 Administration Console Does Not Always Reflect External Changes Made in a Deployment Plan

The Administration Console does not always reflect external changes made in a deployment plan. If a change is made in a deployment plan outside of the Console (for example, using Workshop, editing the plan text files directly, or updating a deployment with a new plan using WLST or webLogic.Deployer) while a Console user is also viewing that deployment plan, the Console user will not see those changes.

Workaround

Navigate to a configuration page for a different deployment, then navigate back to the original deployment again.

11.2.7 Oracle OCI Driver Support

The Oracle OCI driver is no longer explicitly listed as a preconfigured driver type in the Administration Console.

Workaround

The Oracle OCI driver remains a supported driver for application data connectivity, consistent with prior releases of Oracle WebLogic Server. However, users must now specify all required configuration properties manually, including the data base username.

11.2.8 Data Takes a Long Time to Display on the Metric Browser Tab

When using Internet Explorer 7 (IE 7) to display data on the Metric Browser tab of the Monitoring Dashboard, it takes an unusually long time for the data to display, and during this time, the page is unresponsive. The amount of time it takes to display data on this tab depends on the size of the domain.

Workaround

If you need to display data on the Monitoring Dashboard > Metric Browser tab, open the Administration Console in a supported web browser other than IE 7, such as Internet Explorer 8 or greater, Firefox 3 or greater, or Safari 4 or greater.

11.3 Apache Beehive Support Issues and Workarounds

There are no known Apache Beehive Support issues in this release of WebLogic Server.

11.4 Configuration Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.4.1, "ASProvWorkflowException Occurs When Creating a WebLogic Domain"](#)
- [Section 11.4.2, "Directory For a Non-Existent Server Name Is Created"](#)
- [Section 11.4.3, "Abnormal Behavior in Terminal Window After Entering WebLogic Password"](#)
- [Section 11.4.4, "Creating and Updating Domains Takes Too Long"](#)
- [Section 11.4.5, "Password Field Is Not Editable When Configuring a New Domain"](#)

11.4.1 ASProvWorkflowException Occurs When Creating a WebLogic Domain

In rare cases, if your installation environment contains existing JAVA_OPTIONS prior to starting a Fusion Middleware product installation, these may cause an ASProvWorkflowException, preventing the domain from being created.

Workaround

Prior to starting the Fusion Middleware product installation, clear the existing JAVA_OPTIONS. If you have an application in the environment that use these JAVA_

OPTIONS, the applications may not work after clearing the options. In this case, save the existing JAVA_OPTIONS to a text file and investigate alternatives for running your other application.

11.4.2 Directory For a Non-Existent Server Name Is Created

If you attempt to connect to the WebLogic Server Administration Server with a non-existent server name, a directory for the non-existent server name is created under the *domain_name/servers* directory.

Workaround

Specify a valid server name when connecting to the Administration Server.

11.4.3 Abnormal Behavior in Terminal Window After Entering WebLogic Password

After pressing Ctrl-C to terminate the `startManagedWebLogic.sh` process immediately after entering the WebLogic password, abnormal behavior may be experienced in the terminal window. For example, when pressing Return, the prompt is tabbed instead of going to the next line, and any characters that are entered at the prompt are not displayed in the terminal.

Workaround

Either close the current xterm and start a new one, or enter `stty echo` into the xterm.

11.4.4 Creating and Updating Domains Takes Too Long

It can take a long time to create or update WebLogic Server domains when:

- Installing WebLogic Server on UNIX or Linux operating systems if the Server Examples are included in the installation.
- Using the WebLogic Server Configuration Wizard to create or update a domain.
- Using WLST to create or update a domain.

Workaround

Set the `CONFIG_JVM_ARGS` environment variable to the following value:

```
-Djava.security.egd=file:/dev/./urandom
```

11.4.5 Password Field Is Not Editable When Configuring a New Domain

On Linux systems, when creating a new domain in the Oracle Fusion Middleware Configuration Wizard, the **Password** and **Confirm Password** fields are sometimes not editable, and you cannot enter a password to create a domain.

Workaround

There are two ways to work around this issue:

- To work around the issue each time it happens, click the Close Window X button in the upper right corner of the Configuration Wizard. In the confirmation dialog that appears, click **No** to return to the Configuration Wizard. You can then enter and confirm the password for the domain.
- To fix this issue permanently:
 1. Kill all scim processes. For example:

```
kill `pgrep scim`
```

2. Modify (or create) the file `~/ .scim/config` to include the following line (case-sensitive):

```
/FrontEnd/X11/Dynamic = true
```

3. If you are running VNC, restart the VNC server.
4. Run the Configuration Wizard again.

11.5 Connector (Resource Adapter) Issues and Workarounds

There are no known Connector (Resource Adapter) issues in this release of WebLogic Server.

11.6 Console Extensions Issues and Workarounds

There are no known Extensions issues in this release of WebLogic Server.

11.7 Core Server and Core Work Manager Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.7.1, "Threads Become Stuck While Waiting to Get a Connection"](#)
- [Section 11.7.2, "Using IPv6-Formatted Addresses"](#)
- [Section 11.7.3, "Server Cannot Be Started After a Whole Server Migration"](#)
- [Section 11.7.4, "Object State is not Retained After Renaming Field"](#)
- [Section 11.7.5, "Forcing Unicast Messages To Be Processed in Order"](#)
- [Section 11.7.6, "Servers Configured to Listen on a Host Name Are Listening on a Different Host Name After Startup"](#)
- [Section 11.7.7, "Administration Server or Node Manager Cannot Track the Status of a Managed Server"](#)
- [Section 11.7.8, "Multicast Traffic Observed to be Unreliable During or After a Network Partition"](#)

11.7.1 Threads Become Stuck While Waiting to Get a Connection

When a machine that is hosting one of the Managed Servers is abruptly shut down, a network cable is pulled, or its network interface card has issues, and any server attempts communication with that managed server, threads become stuck waiting to get a connection.

Workaround

This can currently be resolved by using a private flag:

```
-Dweblogic.client.SocketConnectTimeoutInSecs
```

and setting an appropriate timeout value that will release the thread attempting to make the connection and allow the request to fail quickly.

11.7.2 Using IPv6-Formatted Addresses

When using an IPv6-formatted address for WebLogic Server, the URL should include square brackets ('[' and ']') for the host address. Otherwise, WLST may fail to connect to the running server.

Workaround

Add square brackets to the host address. For example:

```
t3://[fe80:0:0:0:203:baff:fe2f:59e5]:9991
```

11.7.3 Server Cannot Be Started After a Whole Server Migration

If the WebLogic Server Administration Server is down when a Whole Server Migration occurs for a clustered server, and the server migrates to a machine on which it was never run before, the server cannot be started on the new machine.

Workaround

Use one of the following workarounds for this issue:

- Ensure that the Administration Server is up when the server migration is being performed.
- Use a shared disk/NFS for all the migratable servers in the cluster.

11.7.4 Object State is not Retained After Renaming Field

When FastSwap is enabled in a J2EE application, you can make certain types of changes to Java classes during development and expect to see the change without re-deploying, with all instance states of the Java object being retained.

One type of change that does NOT retain the object state is that when a field name is changed, it is treated as follows:

- the field with old name is deleted
- the field with new name is added

Thus, in this case, any state in the old field is not carried over to the renamed field.

Using the Workshop or FastSwap ant task, you may see a `FastSwap operation completed successfully` message, even when an instance field name change causes a value reset.

Workaround

You should expect an instance value to be reset when you change a field name.

11.7.5 Forcing Unicast Messages To Be Processed in Order

The following conditions can cause very frequent JNDI updates, and as a result, JMS subscribers may encounter a `java.naming.NameNotFoundException`:

1. Unicast messaging is being used for cluster communication.
2. The JMS topic connection is set with `setReconnectPolicy("all")`.
3. JMS durable subscribers on topic are created and removed very frequently.

Workaround

To fix this issue, a new property, `MessageOrderingEnabled`, has been added to the `ClusterMBean`. This property forces unicast messages to be processed in strict order. By default, this property is not enabled. To enable the property, add the following line manually to the `<cluster>` element in `config.xml`.

```
<message-ordering-enabled>true</message-ordering-enabled>
```

11.7.6 Servers Configured to Listen on a Host Name Are Listening on a Different Host Name After Startup

When using a host name to specify configuring the listen address on the WebLogic Server Administration Server or a Managed Server, machines that are configured with multiple Ethernet cards may listen on a different host name after startup. For example:

- The machine has 3 Ethernet cards
- Card 1 is mapped to `hostname1-s` (DNS registered host name)
- Card 2 is mapped to `hostname1-i` (DNS registered host name)
- Card 3 is mapped to `hostname1` (actual node's host name)
- You configure the server to listen on `hostname1`
- After starting the server, it is listening on `hostname1-s` because Windows resolves the actual node's host name to the first enabled Ethernet card address

Workaround

Use one of the following three workarounds for this issue:

1. Use the IP address, instead of the host name, as the listen address of the WebLogic Server Administration Server. On Managed Servers, use the IP address as the listen address, or configure the actual physical host name to the first Ethernet card in the machine.
2. Add the following entry to the `C:\Windows\system32\drivers\etc\hosts` file on the machine:

```
<ip_address> <hostname>
```
3. Change the order of the network cards in the machine so that the card with the actual node's host name is Card 1.

11.7.7 Administration Server or Node Manager Cannot Track the Status of a Managed Server

If you start a managed server by providing an incorrect WebLogic Server Administration Server URL from the command line (that is, the Administration Server cannot be reachable at the provided URL), the managed server will start in Managed Server Independence (MSI) mode.

In this case, neither the Administration Server nor Node Manager can track the status of the managed server. The Administration Console will show the status of the managed server as UNKNOWN, but the server will actually be RUNNING in MSI mode.

11.7.8 Multicast Traffic Observed to be Unreliable During or After a Network Partition

During or after a network partition that causes a server migration to take place, multicast traffic has been observed to be unreliable. For example, one node may be receiving multicast traffic, but traffic originating from this node is not received on other nodes in the network. As a result, the migrated servers are not added to the cluster because their heartbeats were not received.

Workaround

Currently, the only known workaround is to use unicast cluster messaging.

11.8 Deployment Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.8.1, "security-permission Element is not Available in weblogic-application.xml"](#)
- [Section 11.8.2, "Extraneous String Values Interpreted as File Specification"](#)
- [Section 11.8.3, "java.lang.NoClassDefFoundError is Displayed"](#)
- [Section 11.8.4, "The restore Method Does Not Update the DConfig Bean With Plan Overrides"](#)
- [Section 11.8.5, "config-root <directory> not found Warning Is Displayed When Applying a Plan"](#)
- [Section 11.8.6, "Deployment Task Fails When a Large Application File Is Deployed"](#)
- [Section 11.8.7, "Application State Is Not Updated If the Server Starts in MSI Mode"](#)
- [Section 11.8.8, "Attempting to Redeploy an Application Fails if the Application is Already Deployed Using a Different Source File Location"](#)

11.8.1 security-permission Element is not Available in weblogic-application.xml

The security-permission element is available in the `weblogic.xml` and `weblogic-ejb-jar.xml` deployment descriptors, but is not available in the `weblogic-application.xml` descriptor. Therefore, in an Enterprise application, you can only apply security policies to JAR files that are EJBs or Web applications.

11.8.2 Extraneous String Values Interpreted as File Specification

The `weblogic.Deployer` tool interprets any extraneous string values between command-line arguments as a file specification. For example, if you enter the command:

```
java weblogic.Deployer -activate -nostage true -name myname -source
c:\myapp\mymodule
```

the tool attempts to activate a file specification named `true`, because the `-nostage` option takes no arguments and `true` is an extraneous string value.

11.8.3 java.lang.NoClassDefFoundError is Displayed

While using the WebLogic Server Administration Console with applications or EJBs deployed on a Managed Server that depend on a deployed library, you may encounter a `java.lang.NoClassDefFoundError`.

Workaround

The WebLogic Server Administration Console needs access to any shared library deployments so that Java data types and annotations can be processed. Therefore, all shared library deployments should always be targeted to the WebLogic Server Administration Server in addition to any Managed Servers or clusters.

11.8.4 The restore Method Does Not Update the DConfig Bean With Plan Overrides

The restore method does not correctly update the DConfig Bean with the plan overrides. For example, given the following steps:

```
DeployableObject dObject =
    WebLogicDeployableObject.createDeployableObject(new File(appName));
DeploymentConfiguration dConfig =
    WebLogicDeploymentManager.createConfiguration(dObject);
dConfig.restore(new FileInputStream(new File(plan)));
```

the plan does not correctly override the DConfig Bean.

Workaround

Specify the plan when initializing the configuration for the application. For example:

```
helper = SessionHelper.getInstance(
    SessionHelper.getDisconnectedDeploymentManager());
helper.setApplication(app);
helper.setPlan(new File(plan));
helper.initializeConfiguration();
```

11.8.5 config-root <directory> not found Warning Is Displayed When Applying a Plan

If you use the Administration Console to make configuration changes to an application, a deployment plan will be generated. If external descriptors are generated as part of the deployment plan, they are placed in the config root plan directory. This directory will be set in the deployment plan 'config-root' attribute.

If no external descriptors are required, the config root directory will not be created, and a warning is displayed when you apply the deployment plan. This results in the following warning in the server output:

```
<Warning <WWebLogicDescriptorWL> <BEA-2156000><"config-root" C:\deployments\plan
was not found>.
```

Workaround

Create the plan directory manually.

11.8.6 Deployment Task Fails When a Large Application File Is Deployed

When a large application file is deployed using the upload option, the deployment task fails with the following error:

```
java.lang.OutOfMemoryError: Java heap space
```

To resolve this issue, a new system property, `weblogic.deploy.UploadLargeFile`, has been added. If you see this issue, include this flag in the java command you use to launch a deployment client.

If you are using the WebLogic Server patch releases 9.2 MP2, 9.2 MP3, 10.0 MP1, 10.0 M2, 10.3, 10.3.1, 10.3.2, 10.3.3, or 10.3.4, this flag is not needed.

11.8.7 Application State Is Not Updated If the Server Starts in MSI Mode

A managed server will start in MSI mode if the WebLogic Server Administration Server is not available when the managed server starts. If you start the Administration Server later, the managed server will connect to the Administration Server. However, the state of each application deployed to the managed server is not updated to reflect the state of the applications on the managed server. Each application's state is displayed as NEW or PREPARED in the WebLogic Server Administration Console.

Workaround

There are two workarounds for this issue:

- Start the Administration Server before starting the managed server, or
- Redeploy the application after starting the Administration Server.

11.8.8 Attempting to Redeploy an Application Fails if the Application is Already Deployed Using a Different Source File Location

If you initially deployed an application using one source file location, then attempt to redeploy the application using a new location for the source file, the deployment fails with the following exception:

```
New source location <new_source_file_path> cannot be configured deployed to
configured application, <application_name>. The application source is at
original_source_file_path. Changing the source location is not allowed for a
previously attempted deployment. Try deploying without specifying the source.
```

This is due to a WebLogic Server deployment restriction. Once you specify the source file for a deployment, you cannot change it on a redeployment.

Workaround

Undeploy the application before attempting to redeploy it using a new source file location.

11.9 EJB Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.9.1, "Primary Key in Oracle Table is CHAR"](#)
- [Section 11.9.2, "No Available Annotation That Enables Creation of a Clusterable Timer"](#)
- [Section 11.9.3, "Kodo's MappingTool Cannot Generate Schemas"](#)
- [Section 11.9.4, "Extensions to the JPA Metadata Model Can Only Be Specified Via Annotations"](#)
- [Section 11.9.5, "Lookup Method Injection Not Supported by Spring"](#)
- [Section 11.9.6, "Deserializing a JDO PersistenceManagerFactory in a Managed Environment May Fail"](#)
- [Section 11.9.7, "Indexes Not Always Created During Schema Creation"](#)
- [Section 11.9.8, "OpenJPA throws an exception when @Id fields are also annotated as @Unique"](#)
- [Section 11.9.9, "Cache Hit and Miss Counts May Rise Unexpectedly"](#)

- [Section 11.9.10, "Open JPA Tries to Create a Table Even if the Table Exists"](#)
- [Section 11.9.11, "EJB Applications Fail During Serialization"](#)
- [Section 11.9.12, "Non-Transactional Message-Driven Bean Container Can Fail to Provide Reproducible Behavior For Foreign Topics"](#)

11.9.1 Primary Key in Oracle Table is CHAR

The primary key in an Oracle table is a CHAR but the query field in the SQL table is a VARCHAR2.

Workaround

Change the database schema from CHAR to VARCHAR2. Using CHAR as a primary key is not recommended for the Oracle database.

11.9.2 No Available Annotation That Enables Creation of a Clusterable Timer

There is no annotation for EJB3 beans or `Ejbgen` that enables creation of a clusterable timer.

Workaround

Create a `weblogic-ejb-jar.xml` file and put the `<timer-implementation>` element and corresponding values into the file.

11.9.3 Kodo's MappingTool Cannot Generate Schemas

Kodo's MappingTool cannot generate schemas for classes that use BLOBs in their primary key. BLOBs can be used in a primary key, but the schema must be defined manually. Note that support for BLOB columns in primary keys is not mandated by either the JDO or JPA specifications.

11.9.4 Extensions to the JPA Metadata Model Can Only Be Specified Via Annotations

Extensions to the JPA metadata model can only be specified via annotations, and not via a structure similar to the `orm.xml` file defined by the specification.

Workaround

To specify Kodo-specific metadata for your object model, either:

- use the Kodo-specific annotations, or
- convert your XML-based metadata to the JDO metadata format, which does support XML specification of extensions.

11.9.5 Lookup Method Injection Not Supported by Spring

The Weblogic Spring injection extension model doesn't support lookup method injection.

11.9.6 Deserializing a JDO PersistenceManagerFactory in a Managed Environment May Fail

Deserializing a `JDO PersistenceManagerFactory` in a managed environment may fail. The exception states that the `javax.jdo.PersistenceManagerFactoryClass` property

is missing. Note that serializing a `PersistenceManagerFactory` should not generally be necessary in a managed environment.

11.9.7 Indexes Not Always Created During Schema Creation

Indexes declared at the class level are not always created during schema creation.

Workaround

Create the indexes manually after running the schema generation tools.

11.9.8 OpenJPA throws an exception when @Id fields are also annotated as @Unique

OpenJPA throws an exception when `@Id` fields are also annotated as `@Unique` in some databases. Database primary keys are unique by definition. Some databases implement this by creating a unique index on the column.

Workaround

Do not specify both `@Id` and `@Unique` on a single field.

11.9.9 Cache Hit and Miss Counts May Rise Unexpectedly

The cache hit and miss counts may rise unexpectedly when manipulating entities without version data. The extra cache access occurs when the `EntityManager` closes and all contained entities are detached. Entities without version fields appear to the system to be missing their version data, and the system responds by checking their version in the cache before detachment.

Workaround

Entities with version fields or other version strategies do not cause extra cache access.

11.9.10 Open JPA Tries to Create a Table Even if the Table Exists

When using the MySQL database, and OpenJPA is configured to automatically run the mapping tool at runtime and create tables within the default schema (for example):

```
<property name='openjpa.jdbc.SynchronizeMappings' value='buildSchema' />
<property name='openjpa.jdbc.Schema' value='MySQL database name' />
```

OpenJPA will try to create the table even if the table already exists in the database. A `PersistenceException` will be thrown to indicate that the table already exists and the table creation statement fails.

Workaround

To avoid this problem, if you are using the MySQL database, don't configure OpenJPA to automatically run the mapping tool at runtime and specify the default schema at the same time.

11.9.11 EJB Applications Fail During Serialization

EJB applications that use IIOP and send JPA entities from the server to the client will fail during deserialization if the entities are `Serializable` (but not `Externalizable`) and do not declare a `writeObject()` method.

Workaround

Add a `writeObject()` method to such entity classes. The write object can be trivial:

```
private void
writeObject(java.io.ObjectOutputStream out)
    throws IOException {
    out.defaultWriteObject();
}
```

11.9.12 Non-Transactional Message-Driven Bean Container Can Fail to Provide Reproducible Behavior For Foreign Topics

When using multi-threaded processing for non-transactional topic Message-Driven Beans (MDBs) that specify a foreign topic (non-WebLogic) JMS, the MDB container can fail to provide reproducible behavior. For example, if a `RuntimeException` is thrown in the `onmessage()` method, the container may still acknowledge the message.

Workaround

Set the `max-beans-in-free-pool` attribute to 1 in the deployment descriptor.

11.10 Examples Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.10.1, "Security Configuration in medrec.wls.config"](#)
- [Section 11.10.2, "HTML File not Created for StreamParser.java File"](#)
- [Section 11.10.3, "Warning Message Appears When Starting Medrec or Samples Domain"](#)

11.10.1 Security Configuration in medrec.wls.config

The `medrec.wls.config` target in `SAMPLES_HOME/server/medrec/setup/build.xml` has a known issue with respect to security configuration.

11.10.2 HTML File not Created for StreamParser.java File

The `../xml/stax` example contains two files with the same root but different extensions: `StreamParser.java` and `StreamParser.jsp`. The samples viewer build, however, creates just one corresponding HTML file, rather than two for each type of file. In this case only the `StreamParser.jsp` file has an equivalent HTML file; the `StreamParser.java` file does not.

The problem occurs because of a setting in the `build.xml` file that controls the behavior of `java2html` to generate the files for the documentation.

When using `java2html`, the `useShortFileName="true"` parameter crops off the file extensions for the source files to create the file names for the HTML output files. If two files have the same name and different file extensions, whichever HTML file is generated last will overwrite previous ones.

Workaround

Set the `useShortFileName` parameter to "false". This setting generates HTML files with the file extensions included in the name. The drawback to this solution is that every

link that points to the HTML output file needs to be revised, regardless of whether the files in question were affected by the bug.

11.10.3 Warning Message Appears When Starting Medrec or Samples Domain

When you start the medrec or samples domains, you may see a warning message similar to this:

```
<Warning> <WorkManager> <BEA-002919> <Unable to find a WorkManager with name
weblogic.wsee.mdb.DispatchPolicy. Dispatch policy
weblogic.wsee.mdb.DispatchPolicy will map to the default WorkManager for the
application bea_wls_async_response>
```

This warning message appears in the standard output of the Console while starting a WebLogic Server sample application with an asynchronous Web Service deployed.

Workaround

The warning is harmless and can be ignored.

11.11 HTTP Publish/Subscribe Server Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.11.1, "Authentication and Authorization of the Local Client is not Supported"](#)
- [Section 11.11.2, "Event Messages Published by Local Clients Cannot Be Received"](#)
- [Section 11.11.3, "Event Messages Published By Local Clients Do Not Go Through Filters"](#)

11.11.1 Authentication and Authorization of the Local Client is not Supported

The HTTP Publish/Subscribe server does not support authentication and authorization of the local client. The local client has full permissions to operate on channels of the HTTP Publish/Subscribe server, which means the local client can create/delete channels and publish/subscribe events from channels.

11.11.2 Event Messages Published by Local Clients Cannot Be Received

In a clustering environment, event messages published by a local client on a server can be received only by subscribed clients connected to the same server. These messages cannot be received by subscribed clients connected to other servers in the cluster.

11.11.3 Event Messages Published By Local Clients Do Not Go Through Filters

Event messages published to a channel by a local client will not go through the Message Filters configured to that channel.

11.12 Installation Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.12.1, "Sybase JDBC Drivers Not Downloaded with Upgrade Installation"](#)
- [Section 11.12.2, "Improper Rollback to Previous Installation May Occur After Exiting an Upgrade Installation Prematurely"](#)

- [Section 11.12.3, "WebLogic Server Installer Fails With Insufficient Disk Space Error"](#)
- [Section 11.12.4, "Installation Fails with Fatal Error"](#)
- [Section 11.12.5, "Installation of Oracle WebLogic Server 10.3.5 on HP-UX PA-RISC 11.31 Fails in GUI Mode"](#)
- [Section 11.12.6, "Oracle Weblogic Server Installation Does Not Install Automatic Diagnostic Repository Binaries"](#)

11.12.1 Sybase JDBC Drivers Not Downloaded with Upgrade Installation

The Oracle WebLogic Server 11g Release 1 installer does not download the Sybase JDBC drivers. When you try to upgrade an existing WebLogic Server 10.3 installation using the latest installer, it does not remove the Sybase JAR files from the original installation. The installer upgrades only the `weblogic.jar` file.

The Sybase JAR files (`jconn2.jar`, `jconn3.jar`, and `jConnect.jar`) in the `/server/lib` or `/server/ext/jdbc/sybase` directories are removed from the manifest classpath in the upgraded `weblogic.jar` file. Therefore, if the classpath of a WebLogic Server application does not include Sybase JAR files and only includes `weblogic.jar` then after the upgrade installation, the application will throw a `ClassNotFoundException`.

To work around this issue, explicitly add Sybase JAR files in the WebLogic Server application classpath.

11.12.2 Improper Rollback to Previous Installation May Occur After Exiting an Upgrade Installation Prematurely

When using an Upgrade installer or Smart Update to upgrade an existing WebLogic Server 10.3.x installation to WebLogic Server 10.3.4, if you abort the upgrade before completion, the installation should automatically roll back to the prior installation. This may not always occur, resulting in an unusable installation.

11.12.3 WebLogic Server Installer Fails With Insufficient Disk Space Error

The WebLogic Server installer can fail with an insufficient disk space error, even when there is a large amount of available disk space on the file system or disk.

Workaround

Use the `-Dspace.detection` property in the installation command to disable the available space check. For example:

```
java -Xmx1024M -Dspace.detection=false -jar installer_file_name
-mode=silent -silent_xml=silent.xml
```

or

```
wls1034_linux.bin -Dspace.detection=false
```

11.12.4 Installation Fails with Fatal Error

The installer does not verify whether sufficient disk space is available on the machine prior to completing the installation. As a result, if an installation cannot be completed due to insufficient space, the installer displays the following error message and exits:

```
Fatal error encountered during file installation. The installer will now
cleanup and exit!
```

Workaround

If this problem occurs, restart the installer using the following command:

```
server103_linux32.bin -log=log.out -log_priority=debug
```

The preceding command generates a log of the installation procedure, providing details about the exact cause of the failure. If the cause is indeed insufficient space, the log file indicates it explicitly.

11.12.5 Installation of Oracle WebLogic Server 10.3.5 on HP-UX PA-RISC 11.31 Fails in GUI Mode

If the installer for Oracle WebLogic Server 10.3.5 is started by `java -jar wls1035_generic.jar` command in GUI mode with 32-bit JDK, the installation fails at the end of the installation process. This issue occurs on HP-UX PA-RISC 11.31 only.

The installer shows the following error:

```
# A fatal error has been detected by the Java Runtime Environment:

# SIGSEGV (11) at pc=ca19ffa8, pid=20644, tid=21

# JRE version: 6.0
# Java VM: Java HotSpot(TM) Server VM (17.1-b03-jre1.6.0.09-rc1 PA2.0
(aCC_AP) mixed mode hp-ux-pa-risc )
# Problematic frame:
# V [libjvm.sl+0x521b7848]

# Please report this error to HP customer support.
```

Workaround

Use `java -Dspace.detection=false -jar wls1035_generic.jar` command to install Oracle WebLogic Server 10.3.5 in GUI mode.

Or

Use `java -jar wls1035_generic.jar -mode=console` command to install Oracle WebLogic Server 10.3.5 in console mode.

11.12.6 Oracle Weblogic Server Installation Does Not Install Automatic Diagnostic Repository Binaries

Impacted Release: 10.3.6.0

While installing Oracle WebLogic Server 11g (10.3.6.0), Automatic Diagnostic Repository binaries are not installed in the `wlserver_10.3/server/adr` directory.

The workaround is to download and install patch 14577834 from the My Oracle Support website. Refer to [Section 1.6, "Downloading and Applying Required Patches."](#)

11.13 Java EE Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.13.1, "FastSwap May Relax the Access Modifiers of Fields and Methods"](#)
- [Section 11.13.2, "FastSwap Does Not Support Redefinition of the Entity Bean and ejbClass"](#)

- [Section 11.13.3, "Classpath Order Is Not Guaranteed When There Are Multiple JARs in an EAR File"](#)

11.13.1 FastSwap May Relax the Access Modifiers of Fields and Methods

FastSwap may relax the access modifiers of fields and methods. Private and protected members may be made public at runtime. This changes the behavior of reflection and may affect reflection-based frameworks such as Struts.

11.13.2 FastSwap Does Not Support Redefinition of the Entity Bean and ejbClass

FastSwap does not support redefinition of the Entity bean and ejbClass (Session/MDB). Therefore, any updates to entity classes will cause redefinition errors.

Workaround

After updating an entity class, redeploy the application.

11.13.3 Classpath Order Is Not Guaranteed When There Are Multiple JARs in an EAR File

When you have an EAR file containing separate JAR files, and two or more of those JAR files have a class with the same name, it is not possible to predict from which of those JAR files WebLogic Server will instantiate the class. This is not an issue if the classes are the same, but if they are different implementations, the results are unpredictable.

Workaround

Currently there is no known workaround for this issue.

11.14 JDBC Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.14.1, "Call To `setTransactionIsolation\(\)` May Fail When Using the JDBC Driver for MS SQLServer"](#)
- [Section 11.14.2, "An Attempt to Access a Remote 10.3.2 or Later WLS Data Source Fails"](#)
- [Section 11.14.3, "ORA-01591 Errors Occur on SOA Servers Configured to Use Multiple Oracle RAC Nodes"](#)

11.14.1 Call To `setTransactionIsolation()` May Fail When Using the JDBC Driver for MS SQLServer

When using the JDBC driver for MS SQLServer, a call to `setTransactionIsolation()` may fail in a transactional context if `getTransactionIsolation()` is called first.

11.14.2 An Attempt to Access a Remote 10.3.2 or Later WLS Data Source Fails

A new system property, `-Dweblogic.jdbc.remoteEnabled`, has been added to JDBC in Oracle WebLogic Server 10.3.2. For compatibility with prior releases of WebLogic Server, the default setting of this property is `true`. When this property is set to `false`, remote JDBC access is turned off, and such access results in an exception.

Remote access may occur explicitly in an application, or implicitly during a global (XA/JTA) transaction with a participating non-XA data source that is configured with the LLR, 1PC or Emulate XA global transaction option. The following enumerates the cases when an exception will be thrown, and work-arounds for each case (if any).

An exception occurs in the following cases. A workaround (if any) for a given case is provided.

- When a stand-alone client application uses any type of data source.
- When an application that is hosted on WebLogic Server uses any type of data source, and the data source is not configured (targeted) locally. A potential workaround is to target the data source locally.
- When accessing a same named non-XA data source with a transaction option of LLR, 1PC or Emulate XA on multiple WebLogic Server instances in the same global transaction. In this case, there are two potential work-arounds:
 - Change data sources to use XA instead (this may lower performance), or
 - For the 1PC/emulateXA types, change the application to ensure the data source is accessed from a single server.
- When accessing a non-XA data source with the LLR transaction option on a server that is different than the transaction coordinator. For server-initiated transactions, the coordinator location is chosen based on the first participating resource in the transaction. In this case, there are two potential work-arounds: (a) change the data source to use XA instead (this may lower performance); or (b) change the application to ensure data source access on the transaction coordinator, as described in "Optimizing Performance with LLR" in Oracle Fusion Middleware Programming JTA for OracleWebLogic Server. The latter may not be possible in some cases; for example, when an MDB application receives messages from a remote WebLogic JMS server, the transaction coordinator will always be the WebLogic server that's hosting the JMS server, but it may not be possible to move the MDB application to the same WebLogic server.
 - Change the data source to use XA instead (this may lower performance), or
 - Change the application to ensure data source access on the transaction coordinator, as described in "Optimizing Performance with LLR" in *Oracle Fusion Middleware Programming JTA for Oracle WebLogic Server*. This workaround may not be possible in some cases. For example, when an MDB application receives messages from a remote WebLogic JMS server, the transaction coordinator will always be the WebLogic Server instance that is hosting the JMS server, but it may not be possible to move the MDB application to the same WebLogic Server instance.

11.14.3 ORA-01591 Errors Occur on SOA Servers Configured to Use Multiple Oracle RAC Nodes

On SOA servers using multiple Oracle RAC database nodes, when WebLogic Server multi data sources are configured for XA and load balancing, ORA-10591 errors can occur.

Workaround

Download and apply Oracle RAC database patch 7675269 for Linux x86, Oracle Release 11.1.0.7.0. You can download this patch from My Oracle Support.

Alternatively, you can download and apply patch set 9007079 for Linux x86, Oracle Release 11.1.0.7.0, which includes the patch 7675269.

11.15 JDK Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.15.1, "SSLv2Hello Not Supported by IBM JDK"](#)

11.15.1 SSLv2Hello Not Supported by IBM JDK

The IBMJSSE2 Provider does not support the SSL version 2 protocol.

Workaround

Set `oracle.net.ssl_version=3.0` or `oracle.net.ssl_version=1.0` which allows you use SSLv3 and TLSv1 protocols.

11.16 JMS Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.16.1, "Deployment Descriptor Validation Fails"](#)
- [Section 11.16.2, "Exception When Multiple Producers Use the Same Client SAF Instance"](#)
- [Section 11.16.3, "Multi-byte Characters are not Supported in Store File and Directory Names"](#)
- [Section 11.16.4, "Generation of the Default UOO Name Has Changed"](#)
- [Section 11.16.5, "Testing Abrupt Failures of WebLogic Server When Using File Stores on NFS"](#)
- [Section 11.16.6, "JMS Message Consumers Will Not Always Reconnect After a Service Migration"](#)
- [Section 11.16.7, "Forcing Unicast Messages To Be Processed in Order"](#)

11.16.1 Deployment Descriptor Validation Fails

Deployment descriptor validation fails when descriptor validation is enabled, and an EAR file contains only JMS modules.

Workaround

Make sure that there is at least one J2EE specification-compliant module in the EAR.

11.16.2 Exception When Multiple Producers Use the Same Client SAF Instance

When multiple JMS producers use the same JMS Client SAF instance (within a single JVM), depending on the timing of the JMS SAF client creation, you might receive the following exception:

```
Error getting GXA resource [Root exception is weblogic.jms.common.JMSException:  
weblogic.messaging.kernel.KernelException: Error getting GXA resource]
```

Workaround

When using multiple JMS SAF client producers, try introducing a small delay between the creation of each new client.

11.16.3 Multi-byte Characters are not Supported in Store File and Directory Names

There is no support for multi-byte characters in WebLogic Store file and directory names. For instance, when the WebLogic Server name has multi-byte characters, the default store cannot be created, and WebLogic Server will not boot.

Workaround

Create WebLogic Server instances without multi-byte characters in the path name and use that path name for the default store configuration. Do not use multi-byte characters in the Weblogic Server name.

11.16.4 Generation of the Default UOO Name Has Changed

WebLogic Server 10.3.4 contains a fix for configurations that set a default unit-of-order (UOO) on a JMS regular destination, distributed destination, or template. This fix ensures that the default unit-of-order name stays the same even after a restart of the destination's host JMS server. The default UOO name is now based on the domain, JMS server, and destination names.

11.16.5 Testing Abrupt Failures of WebLogic Server When Using File Stores on NFS

Oracle strongly recommends verifying the behavior of a server restart after abrupt machine failures when the JMS messages and transaction logs are stored on an NFS mounted directory. Depending on the NFS implementation, different issues can arise post failover/restart. For more information, see Section 6.3, "Testing Abrupt Failures of WebLogic Server When Using File Stores on NFS."

11.16.6 JMS Message Consumers Will Not Always Reconnect After a Service Migration

JMS message consumers will not always reconnect after a service migration when an application's `WLConnection.getReconnectPolicy()` attribute is set to `all`. If the consumers do not get migrated, either an exception is thrown or `onException` will occur to inform the application that the consumer is no longer valid.

Workaround

The application can refresh the consumer either in the exception handler or through `onException`.

11.16.7 Forcing Unicast Messages To Be Processed in Order

Certain conditions can cause very frequent JNDI updates, and as a result, JMS subscribers may encounter a `java.naming.NameNotFoundException`. For more information, see [Section 11.7.5, "Forcing Unicast Messages To Be Processed in Order."](#)

11.17 JNDI Issues and Workarounds

There are no known JNDI issues in this release of WebLogic Server.

11.18 JSP and Servlet Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.18.1, "Deployment Plans Cannot Be Used To Override Two Descriptors"](#)

- [Section 11.18.2, "Spring Dependency Injection Not Supported on JSP Tag Handlers"](#)
- [Section 11.18.3, "503 Error When Accessing an Application With a Valid sessionId"](#)

11.18.1 Deployment Plans Cannot Be Used To Override Two Descriptors

Deployment plans cannot be used to override the following two descriptors during deployment of a Web application or a Web module:
WEB-INF/classes/META-INF/persistence.xml and
WEB-INF/classes/META-INF/persistence-configuration.xml. Deployment plans can otherwise be used to override any descriptor.

Workaround

Package WEB-INF/classes/META-INF/persistence.xml and WEB-INF/classes/META-INF/persistence-configuration.xml (if present) along with related class files into a JAR file. The JAR file must then be placed in the WEB-INF/lib directory of the Web application or Web module. A deployment plan can be used to override the two descriptors in such a JAR file.

11.18.2 Spring Dependency Injection Not Supported on JSP Tag Handlers

With the Spring extension model enabled, WebLogic Server 10.3 or later does not support Spring Dependency Injection (DI) on JSP tag handlers for performance reasons.

Currently, WebLogic Server supports Spring DI on most Web components, for example, servlets, filters and listeners. Spring DI is not, however, presently supported on JSP tag handlers for performance reasons.

11.18.3 503 Error When Accessing an Application With a Valid sessionId

When a session is persistent and an older version of a servlet context is retired, accessing the application with a valid `sessionId` will cause a 503 error.

For example, the session-persistent type of a versioned Web application is 'file'. A user can access the application successfully. Later, version 2 of the application is redeployed and version 1 is retired. If the same user accesses the application, they will get a 503 error.

11.19 JTA Issues and Workarounds

There are no known JTA issues in this release of WebLogic Server.

11.20 Java Virtual Machine (JVM) Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.20.1, "1.4 Thin Client Applet Cannot Contact WebLogic Server"](#)
- [Section 11.20.2, "Serial Version UID Mismatch"](#)
- [Section 11.20.3, "Using AWT libraries May Cause a JVM Crash"](#)

11.20.1 1.4 Thin Client Applet Cannot Contact WebLogic Server

Due to a known Sun Microsystems VM bug (513552), a 1.4 Thin Client Applet cannot contact WebLogic Server 9.0 or later. This is because the VM does not distinguish correctly between a client and a server connection. The VM creates a server-type connection and caches it. It then attempts to make a client-type connection, finds the cached connection and tries to use that, but then encounters an error because clients are not allowed to use server connections.

11.20.2 Serial Version UID Mismatch

A Serial Version UID Mismatch issue is encountered if you deploy an application on a latest JVM, but compiled with previous Service Release of IBM Java 6 JDK.

Workaround

To be compatible with the serialization of previously compiled applications, modify the `BEA_HOME/wlserver_10.3/common/bin/commEnv.sh` file to include the following command:

```
JAVA_OPTIONS="$JAVA_OPTIONS
-Dcom.sun.xml.namespace.QName.useCompatibleSerialVersionUID=1.0"
```

Alternatively, you can use the command line option:

```
export IBM_JAVA_OPTIONS=
"-Dcom.sun.xml.namespace.QName.useCompatibleSerialVersionUID=1.0"
```

If you intend to deploy new applications with previously compiled applications, they must be recompiled as necessary to have the same Serial Version UID.

11.20.3 Using AWT libraries May Cause a JVM Crash

You might encounter a JVM crash when using GUI libraries such as AWT or javax.swing (which often delegates to AWT).

Workaround

Start the server using the following flag:

```
-Djava.awt.headless=true
```

11.21 Monitoring Issues and Workarounds

This section describes the following issue and workaround:

- [Section 11.21.1, "MBean Attributes Not Explicitly Marked as @unharvestable Appear as Harvestable"](#)
- [Section 11.21.2, "Events Generated By the JVM Level Are Not Generated at Low Volume"](#)
- [Section 11.21.3, "WLDF Performance Issues Can Occur When JVM Events Are Enabled"](#)

11.21.1 MBean Attributes Not Explicitly Marked as @unharvestable Appear as Harvestable

The @unharvestable tag is not being honored at the interface level. If MBean attributes are not explicitly marked as @unharvestable, they are considered to be harvestable and will appear as harvestable in the WebLogic Administration Console.

Workaround

You can explicitly mark MBean attributes as @unharvestable.

11.21.2 Events Generated By the JVM Level Are Not Generated at Low Volume

In WebLogic Server 10.3.3, the default WLDF diagnostic volume setting was Off. As of WebLogic Server 10.3.4, the default diagnostic volume setting is Low Volume, and events generated by the JVM level are not being generated at the Low Volume setting in WebLogic Server 10.3.4 (JVM-level events were generated at the Low Volume setting in WebLogic Server 10.3.3). The JVM-level events are still generated at the High Volume and Medium Volume settings in WebLogic Server 10.3.4.

Workaround

Use one of the following workarounds to cause the JVM-level events to be generated:

- Increase the WLDF diagnostic volume to the Medium or High level.
- Use JRMC, JRCMD, or the JRockit command line settings to activate a separate flight recording in the WebLogic Server instance. By doing so, JVM will cause JVM events to be present at all WLDF diagnostic volume settings (Off, Low, Medium, and High).

11.21.3 WLDF Performance Issues Can Occur When JVM Events Are Enabled

When JVM events are enabled, WLDF performance issues may occur in the following situations:

- If there are no other JRockit flight recordings enabled, performance can degrade when the WLDF diagnostic volume is set to Medium or High level.
- If other JRockit flight recordings are enabled, performance can degrade at all WLDF diagnostic volume levels (Off, Low, Medium, and High).

11.22 Node Manager Issues and Workarounds

There are no known Node Manager issues in this release of WebLogic Server.

11.23 Operations, Administration, and Management Issues and Workarounds

There are no known Operations, Administration, and Management issues in this release of WebLogic Server.

11.24 Oracle Kodo Issues and Workarounds

There are no known Oracle Kodo issues in this release of WebLogic Server.

11.25 Protocols Issues and Workarounds

There are no known Protocols issues in this release of WebLogic Server.

11.26 RMI-IIOP Issues and Workarounds

This section describes the following issue and workaround:

- [Section 11.26.1, "Ant 1.7 rmic Task Incompatibility"](#)

11.26.1 Ant 1.7 rmic Task Incompatibility

Calls to the Ant version 1.7 `rmic` task automatically add a `-vcompat` flag, which is not compatible with `rmic` for Oracle WebLogic Server.

Workaround

Use either of the following workarounds if your `rmic` call is of the form:

```
rmic classname="com.bea.crmsimulation.legacyra.LegacyAdapter"
    base="${module_location}/core-legacy-ra/classes"
    classpath="${core.classes}" compiler="weblogic" />
```

- Add a `stubversion`

```
<rmic classname="com.bea.crmsimulation.legacyra.LegacyAdapter"
    base="${module_location}/core-legacy-ra/classes"
    classpath="${core.classes}" compiler="weblogic"
    stubversion="1.2"/>
```

- Remove the `compiler` flag

```
<rmic classname="com.bea.crmsimulation.legacyra.LegacyAdapter"
    base="${module_location}/core-legacy-ra/classes"
    classpath="${core.classes}" />
```

11.27 Security Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.27.1, "StoreBootIdentity Works Only if the Appropriate Server Security Directory Exists"](#)
- [Section 11.27.2, "Boot Time Failure Occurs With SecurityServiceException"](#)
- [Section 11.27.3, "Authentication Failure After Upgrading a Domain From WLS 6.1"](#)
- [Section 11.27.4, "InvalidParameterException Message Generated and Displayed"](#)
- [Section 11.27.5, "Enabling Both the Authentication and Passive Attributes In SML 2.0 Service Provider Services Is an Invalid Configuration"](#)
- [Section 11.27.6, "Running the WebLogic Full Client in a Non-Forked VM"](#)

11.27.1 StoreBootIdentity Works Only if the Appropriate Server Security Directory Exists

The option `-Dweblogic.system.StoreBootIdentity` works only if the appropriate server security directory exists. This directory is usually created by the Configuration Wizard or upgrade tool.

However, the appropriate server security directory could be absent in domains checked into source-control systems.

11.27.2 Boot Time Failure Occurs With `SecurityServiceException`

A WebLogic Server instance can experience a boot time failure with a `SecurityServiceException` when the RDBMS Security Data Store is configured for a DB2 database using the DB2 driver supplied with WebLogic Server.

Workaround

When RDBMS Security Data Store is using the `AlternateId` connection property for a DB2 database, you must also set the additional property `BatchPerformanceWorkaround` as `true` when using the DB2 driver supplied with WebLogic Server.

11.27.3 Authentication Failure After Upgrading a Domain From WLS 6.1

After upgrading a domain from WLS 6.1, the WebLogic Server instance will not boot due to an authentication failure.

Workaround

A system user password must be set up in the WLS 6.1 domain before or after the upgrade process in order for the WebLogic Server instance to boot properly.

11.27.4 `InvalidParameterException` Message Generated and Displayed

After you configure either the Identity Provider or Service Provider services for SAML 2.0 and attempt to publish the SAML 2.0 services metadata file, an `InvalidParameterException` message may be generated and displayed in the Administration Console.

Workaround

When configuring the SAML 2.0 federation services for a WebLogic Server instance, be sure to enable all binding types that are available for the SAML role being configured. For example, when configuring SAML 2.0 Identity Provider services, you should enable the POST, Redirect, and Artifact bindings. When configuring SAML 2.0 Service Provider services, enable the POST and Artifact bindings. Optionally, you may choose a preferred binding.

11.27.5 Enabling Both the Authentication and Passive Attributes In SML 2.0 Service Provider Services Is an Invalid Configuration

When configuring SAML 2.0 Service Provider services, enabling both the Force Authentication and Passive attributes is an invalid configuration that WebLogic Server is unable to detect. If both these attributes are enabled, and an unauthenticated user attempts to access a resource that is hosted at the Service Provider site, an exception is generated and the single sign-on session fails.

Note that the Force Authentication attribute has no effect because SAML logout is not supported in WebLogic Server. So even if the user is already authenticated at the Identity Provider site and Force Authentication is enabled, the user is not forced to authenticate again at the Identity Provider site.

Avoid enabling both these attributes.

11.27.6 Running the WebLogic Full Client in a Non-Forked VM

If the WebLogic Full Client is running in a non-forked VM, for example by means of a `<java>` task invoked from an Ant script without the `fork=true` attribute, the following error might be generated:

```
java.lang.SecurityException: The provider self-integrity check failed.
```

This error is caused by the self-integrity check that is automatically performed when the RSA Crypto-J library is loaded. (The Crypto-J library, `cryptoj.jar`, is in the `wlfullclient.jar` manifest classpath.)

This self-integrity check failure occurs when the client is started in a non-forked VM and it uses the Crypto-J API, either directly or indirectly, as in the following situations:

- The client invokes the Crypto-J library directly.
- The client attempts to make a T3S connection, which triggers the underlying client SSL implementation to invoke the Crypto-J API.

When the self-integrity check fails, further invocations of the Crypto-J API fail.

Workaround

When running the full client in a `<java>` task that is invoked from an Ant script, always set the `fork` attribute to `true`.

For more information about the self-integrity check, see "How a Provider Can Do Self-Integrity Checking" in How to Implement a Provider in the Java™ Cryptography Architecture, available at the following URL:

<http://download.oracle.com/javase/6/docs/technotes/guides/security/crypto/HowToImplAProvider.html#integritycheck>

11.28 SNMP Issues and Workarounds

There are no known SNMP issues in this release of WebLogic Server.

11.29 Spring Framework on WebLogic Server Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.29.1, "OpenJPA ClassFileTranformer Does Not Work When Running on JRockit"](#)
- [Section 11.29.2, "petclinic.ear Does Not Deploy on WebLogic Server"](#)

11.29.1 OpenJPA ClassFileTranformer Does Not Work When Running on JRockit

The OpenJPA `ClassFileTranformer` does not work when running WebLogic Server on JRockit.

Workaround

Use an alternative method of applying enhancements at build time through an OpenJPA enhancer compiler; do not use the `LoadTimeWeaver`.

11.29.2 petclinic.ear Does Not Deploy on WebLogic Server

For the SpringSource `petclinic` sample, the `petclinic.war` deploys without any problems. The `petclinic.ear` will not deploy on WebLogic Server because it is not

packaged correctly. A request has been sent to SpringSource to fix the `petclinic.ear` packaging.

11.30 System Component Architecture (SCA) Issues and Workarounds

There are no known SCA issues in this release of WebLogic Server.

11.31 Upgrade Issues and Workarounds

This section describes the following issue:

- [Section 11.31.1, "Domains Created on WebLogic Server 10.3.1 Cannot Be Run on WebLogic Server 10.3"](#)

11.31.1 Domains Created on WebLogic Server 10.3.1 Cannot Be Run on WebLogic Server 10.3

If you create a domain using WebLogic Server 10.3.1, then roll back to WebLogic Server 10.3, you will not be able to start the servers that you created in that domain. This is a known restriction, as the `config.xml` file contains references to newer schema definitions (`xmlns.oracle.com`) that did not exist in WebLogic Server 10.3.

11.32 Web Applications Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.32.1, "Administration Console Fails to Implement session-timeout Changes"](#)
- [Section 11.32.2, "Connection Pool Connection Reserve Timeout Seconds Value is Overridden"](#)
- [Section 11.32.3, "Database Connections Become Unstable When a PoolLimitSQLException Occurs"](#)
- [Section 11.32.4, "Web Page Fails to Open When Accessing It Using the SSL Port"](#)

11.32.1 Administration Console Fails to Implement session-timeout Changes

If the `session-timeout` is configured in the `web.xml` file, any changes made to change the `session-timeout` using the Administration Console do not take effect.

Workaround

Use a deployment plan to override the `session-timeout` setting.

11.32.2 Connection Pool Connection Reserve Timeout Seconds Value is Overridden

When using a JDBC session, the value of Connection Reserve Timeout Seconds for a connection pool is changed to be one of the following:

- the JDBC connection timeout seconds, which is defined in the session descriptor (either in `weblogic.xml` or `weblogic-application.xml`)
- the default value of 120 seconds

Workaround

Configure `jdbc-connection-timeout-secs` in the session descriptor.

11.32.3 Database Connections Become Unstable When a PoolLimitSQLException Occurs

When a `PoolLimitSQLException` occurs during a JDBC persistence session, connections to the database become unstable, and may fail with recovery or fail without recovery. This results in the loss of session data. Either an older session or null is returned.

11.32.4 Web Page Fails to Open When Accessing It Using the SSL Port

When accessing a Web page using the SSL port, the page fails to open and the following error is reported:

```
Secure Connection Failed
```

```
An error occurred during a connection to <hostname>.
```

```
You have received an invalid certificate. Please contact the server administrator or email correspondent and give them the following information:
```

```
Your certificate contains the same serial number as another certificate issued by the certificate authority. Please get a new certificate containing a unique serial number.
```

Workaround

The following workaround can be used for Firefox.

If you have received this error and are trying to access a web page that has a self-signed certificate, perform the following steps in Firefox:

1. Go to **Tools > Options > Advanced > Encryption tab > View Certificates**.
2. On the **Servers** tab, remove the certificates.
3. On the **Authorities** tab, find the Certificate Authority (CA) for the security device that is causing the issue, and then delete it.

If you are using Internet Explorer or other web browsers, you can ignore the Warning page that appears and continue to the web page.

11.33 WebLogic Server Scripting Tool (WLST) Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.33.1, "Permission Denied Error Occurs for WLST Offline Logging"](#)
- [Section 11.33.2, "Property Names Containing '.' Characters Are Not Supported by loadProperties"](#)
- [Section 11.33.3, "Invalid cachedir Created by Jython Causes WLST to Error Out"](#)
- [Section 11.33.4, "WLST returnType='a' Option Returns Child Management Objects"](#)

11.33.1 Permission Denied Error Occurs for WLST Offline Logging

When there are multiple processes, owned by different filesystem users, that are performing concurrent WLST offline operations, a `FileNotFoundException`, `Permission Denied` error may occur.

Workaround

To avoid collisions on log file names, set the following property in the environment prior to invoking `wlst.sh script_name`:

```
export WLST_PROPERTIES="-Dwlst.offline.log=./logs/filename.log"
```

Substitute a unique name for *filename*. You must use a unique name for each log file to ensure that there will be no log file name collisions.

11.33.2 Property Names Containing '.' Characters Are Not Supported by loadProperties

The WLST `loadProperties` command does not support loading a property with a name that contains "." characters. For example, if the property `myapp.db.default` is present in the property file, WLST throws a name exception:

```
Problem invoking WLST - Traceback (innermost last):
  File "<iostream>", line 7, in ?
  File "<iostream>", line 4, in readCustomProperty
NameError: myapp
```

This is a system limitation of Python and the `loadProperties` command. WLST reads the variable names and values and sets them as variables in the Python interpreter. The Python interpreter uses "." as a delimiter to indicate module scoping for the namespace, or package naming, or both. Therefore, the properties file fails because `myapp.db.default.version=9i` is expected to be in the `myapp.db.default` package. This package does not exist.

Workaround

Use variable names that do not have periods. This will allow you to load the variables from the property file and refer to them in WLST scripts. You could use another character such as "_" or lowercase/upercase character to delimit the namespace.

As an alternative, you can set variables from a properties files. When you use the variables in your script, during execution, the variables are replaced with the actual values from the properties file. For example:

```
myapp.py
var1=10
var2=20
import myapp
print myapp.var1
10
print myapp.var2
20
```

This will work for one level of namespaces (`myapp.var1`, `myapp.var2`). It will not work for top level variables that share the same name as the namespace (for example, `myapp=oracle` and `myapp.var1=10`). Setting the `myapp` variable will override the `myapp` namespace.

If you need multiple levels, then you can define a package namespace using directories. Create a `myapp/db/default` directory with a `vars.py` file as follows:

```
var1=10
var2=20
```

Then import:

```
import myapp.db.default.vars
print myapp.db.default.vars.var1
```

10

You may need to add `__init__.py` files to the subdirectories. Refer to the Python documentation for more information on packages:

<http://docs.python.org/tut/node8.html>

11.33.3 Invalid cachedir Created by Jython Causes WLST to Error Out

The default `cachedir` created by Jython 2.2 is not a valid directory. If you are using Jython directly from `weblogic.jar`, this causes WLST to error out.

Workaround

There are two workarounds for this issue:

- When invoking WLST, specify the `-Dpython.cachedir=<valid_directory>` parameter, or
- Install Jython 2.2.1 separately instead of using the partial Jython that is included in `weblogic.jar`.

11.33.4 WLST returnType='a' Option Returns Child Management Objects

The WLST `returnType='a'` option should only return attributes from the specified directory. Instead it also returns child management objects. For example:

```
ls('Server')
drw-  AdminServer
drw-  worker01

ls('Server', returnMap='true', returnType='a')
drw-  AdminServer
drw-  worker01

ls('Server', returnMap='true', returnType='c')
drw-  AdminServer
drw-  worker01
```

The `ls` with `returnType='a'` should not list any child management objects, but `AdminServer` and `worker01` are children.

Workaround

When processing the output from `ls(returnType='a')`, check to see if the returned entry is a directory.

11.34 Web Server Plug-Ins Issues and Workarounds

This section describes the following issue:

- [Section 11.34.1, "MOD_WLS_OHS Does Not Fail Over"](#)

11.34.1 MOD_WLS_OHS Does Not Fail Over

Currently, `mod_wl` and `mod_wl_ohs` only support container level failover and not application level failover. `mod_wl_ohs` continues to route requests to a down application as long as the managed server is up and running. In the clustered case, requests continue to go to the container where the original session started even when the application is shutdown, typically resulting in the http error 404.

11.35 Web Services and XML Issues and Workarounds

This section describes the following issues and workarounds:

- [Section 11.35.1, "weblogic.wsee.jaxws.mdb.DispatchPolicy WorkManager Cannot Be Found"](#)
- [Section 11.35.2, "Multiple Resize Buffer Calls Occur"](#)
- [Section 11.35.3, "Troubleshooting Problems When Applying the WebLogic Advanced Web Services for JAX-WS Extension Template"](#)
- [Section 11.35.4, "Sparse Arrays and Partially Transmitted Arrays Are Not Supported"](#)
- [Section 11.35.5, "WSDL Compiler Does Not Generate Serializable Data Types"](#)
- [Section 11.35.6, "Use of Custom Exception on a Callback"](#)
- [Section 11.35.7, "Cannot Use JMS Transport in an Environment That Also Uses a Proxy Server"](#)
- [Section 11.35.8, "clientgen Fails When Processing a WSDL"](#)
- [Section 11.35.9, "JAX RPC Handlers in Callback Web Services Are Not Supported"](#)
- [Section 11.35.10, "Message-level Security in Callback Web Services Is Not Supported"](#)
- [Section 11.35.11, "Handling of Java Method Arguments or Return Parameters That Are JAX-RPC-style JavaBeans"](#)
- [Section 11.35.12, "IllegalArgumentException When Using a Two-Dimensional XML Object in a JWS Callback"](#)
- [Section 11.35.13, "Using SoapElement\[\] Results in Empty Array"](#)
- [Section 11.35.14, "FileNotFoundException When a Web Service Invokes Another Web Service"](#)
- [Section 11.35.15, "Client Side Fails to Validate the Signature on the Server Response Message"](#)
- [Section 11.35.16, "xmlcatalog Element Entity Cannot Be a Remote File or a File in an Archive"](#)
- [Section 11.35.17, "Catalog File's public Element Is Not Supported When Using XML Catalogs"](#)
- [Section 11.35.18, "Local xmlcatalog Element Does Not Work Well"](#)
- [Section 11.35.19, "JAXRPC Client Does Not Encode the HTTP SOAPAction Header With Multi-byte Characters"](#)
- [Section 11.35.20, "External Catalog File Cannot Be Used in the xmlcatalog Element of clientgen"](#)
- [Section 11.35.21, "Exceptions When Running Reliable Messaging Under Heavy Load"](#)
- [Section 11.35.22, "ClassNotFoundException Occurs When Using wseeclient.jar"](#)
- [Section 11.35.23, "Incomplete Configuration When Adding Advanced Web Services Component to SOA Domain"](#)
- [Section 11.35.24, "WS-AT Interoperation Issues With WebSphere and WebLogic Server"](#)

11.35.1 `weblogic.wsee.jaxws.mdb.DispatchPolicy WorkManager Cannot Be Found`

In some situations, warning messages are logged indicating that the `weblogic.wsee.jaxws.mdb.DispatchPolicy WorkManager` cannot be found, although this `WorkManager` is targeted to one or more of the `Managed Servers` in the domain.

Workaround

Use one of the following workarounds to resolve this issue.

- To prevent these warning messages, start the `WebLogic Server` instance with the `-Dweblogic.wsee.skip.async.response=true` flag. See *Programming Advanced Features of JAX-RPC Web Services for Oracle WebLogic Server* for more information on this flag.
- Manually target the `weblogic.wsee.jaxws.mdb.DispatchPolicy WorkManager` to the `Administration Server`.

11.35.2 Multiple Resize Buffer Calls Occur

When executing `Web services client` calls where `Message Transmission Optimization Mechanism (MTOM)` attachments are processed for send, multiple `resize buffer` calls occur.

Workaround

There is a patch available to resolve this issue. This patch can be applied only to `WebLogic Server 10.3.4`. It provides the system property `jaxws.transport.streaming`, which enables or disables streaming at the transport layer for a `Web services client`. Set this property to `true` for `CPU-intensive applications` that are running on a `WebLogic Server` instance that is participating in `Web services interactions` as a `client`, and is sending out large messages.

To obtain the patch, do one of the following:

- Contact `My Oracle Support` and request the patch for bug 9956275, or
- Download the patch from `My Oracle Support` and install it using `Smart Update` per the instructions in the following `My Oracle Support` document:

1302053.1

Search for Oracle patch number 9956275 or `Smart Update patch 7Z5H`.

11.35.3 Troubleshooting Problems When Applying the WebLogic Advanced Web Services for JAX-WS Extension Template

After upgrading from `WebLogic Server 10.3.4` to `10.3.5`, when creating or extending a domain using the `WebLogic Advanced Web Services for JAX-WS Extension template (wls_webservices_jaxws.jar)`, you may encounter an exception during the execution of the `final.py` script. For complete details and a workaround, see "Troubleshooting Problems When Applying the WebLogic Advanced Services for JAX-WS Extension Template" in *Getting Started With JAX-WS Web Services for Oracle WebLogic Server*.

11.35.4 Sparse Arrays and Partially Transmitted Arrays Are Not Supported

`WebLogic Server` does not support `Sparse Arrays` and `Partially Transmitted Arrays` as required by the `JAX-RPC 1.1 Spec`.

11.35.5 WSDL Compiler Does Not Generate Serializable Data Types

The Web Service Description Language (WSDL) compiler does not generate serializable data types, so data cannot be passed to remote EJBs or stored in a JMS destination.

11.35.6 Use of Custom Exception on a Callback

WebLogic Server does not support using a custom exception on a callback that has a package that does not match the target namespace of the parent Web Service.

Workaround

Make sure that any custom exceptions that are used in callbacks are in a package that matches the target namespace of the parent Web service.

11.35.7 Cannot Use JMS Transport in an Environment That Also Uses a Proxy Server

You cannot use JMS transport in an environment that also uses a proxy server. This is because, in the case of JMS transport, the Web Service client always uses the t3 protocol to connect to the Web Service, and proxy servers accept only HTTP/HTTPS.

11.35.8 clientgen Fails When Processing a WSDL

clientgen fails when processing a WSDL that uses the complex type `http://www.w3.org/2001/XMLSchema{schema}` as a Web Service parameter.

11.35.9 JAX RPC Handlers in Callback Web Services Are Not Supported

WebLogic Server 9.2 and later does not support JAX RPC handlers in callback Web Services.

Workaround

If JAX RPC handlers were used with Web Services created with WebLogic Workshop 8.1, then such applications must be redesigned so that they do not use callback handler functionality.

11.35.10 Message-level Security in Callback Web Services Is Not Supported

WebLogic Server 9.2 and later does not support message-level security in callback Web Services.

Workaround

Web Services created with WebLogic Workshop 8.1 that used WS-Security must be redesigned to not use message-level security in callbacks.

11.35.11 Handling of Java Method Arguments or Return Parameters That Are JAX-RPC-style JavaBeans

WebLogic Server does not support handling of Java method arguments or return parameters that are JAX-RPC-style JavaBeans that contain an `XmlBean` property. For example, applications cannot have a method with a signature like this:

```
void myMethod(myJavaBean bean);
```

where `myJavaBean` class is like:

```

public class MyJavaBean {
    private String stringProperty;
    private XmlObject xmlObjectProperty;

    public MyJavaBean() {}
    String getStringProperty() {
        return stringProperty;
    }
    void setStringProperty(String s) {
        stringProperty = s;
    }
    XmlObject getXmlObjectProperty() {
        return xmlObjectProperty;
    }
    void getXmlObjectProperty(XmlObject x) {
        xmlObjectProperty = x;
    }
}

```

Workaround

Currently there is no known workaround for this issue.

11.35.12 IllegalArgumentException When Using a Two-Dimensional XML Object in a JWS Callback

Using a two dimensional `XmlObject` parameter (`XmlObject[][]`) in a JWS callback produces an `IllegalArgumentException`.

Workaround

Currently there is no known workaround for this issue.

11.35.13 Using SoapElement[] Results in Empty Array

Using `SoapElement[]` as a Web Service parameter with `@WildcardBinding(className="javax.xml.soap.SOAPElement[]", binding=WildcardParticle.ANYTYPE)` will always result in an empty array on the client.

Workaround

Do not use the `@WildcardBinding` annotation to change the default binding of `SOAPElement[]` to `WildcardParticle.ANYTYPE`. The `SOAPElement[]` default binding is set to `WildcardParticle.ANY`.

11.35.14 FileNotFoundException When a Web Service Invokes Another Web Service

When Web Service A wants to invoke Web Service B, Web Service A should use the `@ServiceClient` annotation to do this. If Web Service B needs a custom policy file that is not attached to the WSDL for Web Service B, then Web Service A will fail to run. Web Service A will look for the policy file at `/Web-Inf/classes/policies/filename.xml`. Since no policy file exists at that location, WebLogic Server will throw a 'file not found' exception.

Workaround

Attach the custom policy file to Web Service B, as in this example:

```
@Policy(uri="CustomPolicy.xml",
```

```

        attachToWsdl=true)
public class B {
    ...
}

```

11.35.15 Client Side Fails to Validate the Signature on the Server Response Message

When the security policy has one of these Token Assertions, the client side may fail to validate the signature on the server response message.

```

<sp:WssX509PkiPathV1Token11/>
<sp:WssX509Pkcs7Token11/>
<sp:WssX509PkiPathV1Token10/>
<sp:WssX509Pkcs7Token10/>

```

In addition, when there are more than two certifications in the chain for X509 certification for `<sp:WssX509Pkcs7Token11/>` or `<sp:WssX509Pkcs7Token10/>` Token Assertion, the server side may fail to validate the signature on the incoming message.

A policy such as the following policy is not supported, unless the entire certificate chain remains on the client side.

```

<sp:AsymmetricBinding>
  <wsp:Policy>
    <sp:InitiatorToken>
      <wsp:Policy>
        <sp:X509Token
          sp:IncludeToken=' . . ./IncludeToken/AlwaysToRecipient'>

          <wsp:Policy>
            <sp:WssX509Pkcs7Token11/>
          </wsp:Policy>
        </sp:X509Token>
      </wsp:Policy>
    </sp:InitiatorToken>
    <sp:RecipientToken>
      <wsp:Policy>
        <sp:X509Token sp:IncludeToken=' . . ./IncludeToken/Never'>
          <wsp:Policy>
            <sp:WssX509Pkcs7Token11/>
          </wsp:Policy>
        </sp:X509Token>
      </wsp:Policy>
    </sp:RecipientToken>
    . . .
  </wsp:Policy>
</sp:AsymmetricBinding>

```

Workaround

Use either of the following two solutions:

1. Configure the response with the `<sp:WssX509V3Token10/>` Token Assertion, instead of `WssX509PkiPathV1Token11/>`. The policy will look like this:

```

<sp:AsymmetricBinding>
  <wsp:Policy>
    <sp:InitiatorToken>
      <wsp:Policy>
        <sp:X509Token sp:IncludeToken=' . . ./IncludeToken/AlwaysToRecipient'>
          <wsp:Policy>
            WssX509PkiPathV1Token11/>
          </wsp:Policy>
        </sp:X509Token>
      </wsp:Policy>
    </sp:InitiatorToken>
    <sp:RecipientToken>
      <wsp:Policy>
        <sp:X509Token sp:IncludeToken=' . . ./IncludeToken/Never'>
          <wsp:Policy>
            WssX509PkiPathV1Token11/>
          </wsp:Policy>
        </sp:X509Token>
      </wsp:Policy>
    </sp:RecipientToken>
    . . .
  </wsp:Policy>
</sp:AsymmetricBinding>

```



```

        </wsp:Policy>
    </sp:X509Token>
</wsp:Policy>
</sp:InitiatorToken>
<sp:RecipientToken>
    <wsp:Policy> sp:IncludeToken='. . ./IncludeToken/Never'>
    <sp:X509Token
        <wsp:Policy>
            <sp:WssX509V3Token10/>
        </wsp:Policy>
    </sp:X509Token>
    </wsp:Policy>
</sp:RecipientToken>
. . .
</wsp:Policy>
</sp:AsymmetricBinding>

```

2. Configure the response with the `WssX509PkiPathV1Token11/>` token assertion, but include it in the message. The policy will look like this:

```

<sp:AsymmetricBinding>
    <wsp:Policy>
        <sp:InitiatorToken>
            <wsp:Policy>
                <sp:X509Token sp:IncludeToken='. . ./IncludeToken/AlwaysToRecipient'>
                <wsp:Policy>
                    WssX509PkiPathV1Token11/>
                </wsp:Policy>
            </sp:X509Token>
        </wsp:Policy>
    </sp:InitiatorToken>
    <sp:RecipientToken>
        <wsp:Policy>
            <sp:X509Token sp:IncludeToken='. . ./IncludeToken/AlwaysToInitiator'>
                <wsp:Policy>
                    WssX509PkiPathV1Token11/>
                </wsp:Policy>
            </sp:X509Token>
        </wsp:Policy>
    </sp:RecipientToken>
    . . .
    </wsp:Policy>
</sp:AsymmetricBinding>

```

When there are multiple certifications in the X509 Certificate chain, `WssX509PkiPathV1Token11/>` or `<sp:WssX509PkiPathV1Token10/>` should be used, instead of `<sp:WssX509Pkcs7Token11/>` or `<sp:WssX509Pkcs7Token10/>`.

11.35.16 xmllcatalog Element Entity Cannot Be a Remote File or a File in an Archive

For the `xmllcatalog` element in `build.xml`, the location of an entity must be a file on the local file system. It cannot be a remote file (for example, `http:`) or a file in an archive (for example, `jar:`).

Workaround

If necessary, define the remote element as an entity in a catalog file instead.

11.35.17 Catalog File's public Element Is Not Supported When Using XML Catalogs

The `public` element in a catalog file is not supported when using the XML Catalogs feature. It is not supported to be consistent with JAX-WS EntityResolver implementation. WebLogic Server only supports defining the `system` element in a catalog file.

11.35.18 Local `xmlcatalog` Element Does Not Work Well

The local `xmlcatalog` element does not work well due to an Ant limitation.

Workaround

In the ant `build.xml` file, you have to define a local element above a `clientgen(wsdlc)` task when you are in the same target, or define the element out of any targets.

11.35.19 JAXRPC Client Does Not Encode the HTTP SOAPAction Header With Multi-byte Characters

The WebLogic Server Web Service JAXRPC client doesn't encode the HTTP SOAPAction header with multi-byte characters, but WebLogic Server only supports ASCII for HTTP headers.

Workaround

Change the SOAP action to ASCII in the WSDL.

11.35.20 External Catalog File Cannot Be Used in the `xmlcatalog` Element of `clientgen`

An external catalog file cannot be used in the `xmlcatalog` element of a `clientgen` task. For example, this snippet of an ant build file will not work:

```
<clientgen ...
  <xmlcatalog>
    <catalogpath>
      <pathelement location='wsdlcatalog.xml' />
    </catalogpath>
  </xmlcatalog>
```

This is a limitation of the Ant XML Catalog.

Workaround

Resource locations can be specified either in-line or in an external catalog file(s), or both. In order to use an external catalog file, the `xml-commons resolver` library (`resolver.jar`) must be in your classpath. External catalog files may be either plain text format or XML format. If the `xml-commons resolver` library is not found in the classpath, external catalog files, specified in `<catalogpath>` paths, will be ignored and a warning will be logged. In this case, however, processing of inline entries will proceed normally.

Currently, only `<dtd>` and `<entity>` elements may be specified inline. These correspond to the OASIS catalog entry types PUBLIC and URI respectively.

11.35.21 Exceptions When Running Reliable Messaging Under Heavy Load

When running a Web services reliable messaging scenario under heavy load with file based storage that has the `Direct-Write` synchronous write policy setting, you may encounter IO exceptions similar to the following in the WebLogic Server log:

```
weblogic.store.PersistentStoreRuntimeException: [Store:280029]The
persistent store record <number> could not be found
```

or

```
Could not load conversation with id uuid:<some ID> -> Conversation read
failed:
```

```
...
weblogic.wsee.jws.conversation.StoreException:
Conversation read failed: id=uuid:<some ID>
weblogic.store.PersistentStoreException: [Store:280052]The
persistent store was not able to read a record.
java.io.OptionalDataException
```

These exceptions are known to occur only when using Web Services reliable messaging. They indicate a failure to read a record from the file store and are considered 'fatal' data access errors.

The underlying issue causing these errors will be addressed in a future release.

Workaround

The following workarounds are available for this issue:

- Change the file store synchronous write policy to `Direct-Write-With-Cache`
or
- Change the file store synchronous write policy to `Cache-Flush`.
or
- Keep the `Direct-Write` synchronous write policy and add the following Java system property to your WebLogic server startup scripts:

```
-Dweblogic.store.AvoidDirectIO=true
```

Note: The `-Dweblogic.store.AvoidDirectIO` system property has been deprecated in WebLogic Server 10.3.4. Oracle recommends configuring the store synchronous write policy to `Direct-Write-With-Cache` instead.

The `Direct-Write-With-Cache` option may improve performance; it creates additional files in the operating system's temporary directory by default.

The `Cache-Flush` and `AvoidDirectIO` workarounds may lead to some performance degradation; it may be possible to reduce or eliminate the degradation by configuring a different block-size for the file store.

For important information about these settings and additional options, see "Tuning File Stores" in *Oracle Fusion Middleware Performance and Tuning for Oracle WebLogic Server*.

11.35.22 ClassNotFound Exception Occurs When Using wseeclient.jar

Stand-alone JAX-WS clients are not supported in this release.

Workaround

Use the client-side JAX-WS 2.1 that is integrated with the Java Standard Edition Release 6 (JDK 1.6), Update 4 and later. This requires using the JAX-WS API instead of any WebLogic Server specific APIs.

Current releases of JDK 1.6 are available for download at <http://java.sun.com/javase/downloads/index.jsp>. For information about writing a standalone JAX WS 2.1 client application, see the *JAX-WS Users Guide* on the JAX-WS 2.1 Reference Implementation Web site at <http://jax-ws.java.net/2.2.6/docs/ch03.html>.

11.35.23 Incomplete Configuration When Adding Advanced Web Services Component to SOA Domain

An incomplete configuration can result when you use the Configuration Wizard to add the WebLogic Server Advanced Web Services component to a newly created SOA domain. If you create a cluster that contains only the default 'out-of-the-box' soa_server1 server definition, the resulting cluster does not include the resources needed to run WebLogic Server Web Services in that cluster.

Workaround

Use either of the following workarounds for this issue:

1. While running Configuration Wizard, create a second server in the cluster:
 - a. On the **Select Optional Configuration** screen, select **Managed Servers, Clusters, and Machines**.
 - b. On the **Configure Managed Servers** screen, add a managed server.
 - c. On the **Assign Servers to Clusters** screen, add this server to the cluster in which the default soa_server1 server resides.
2. On the **Configuration Wizard Target Services to Servers or Clusters** screen, target Web Services resources (for example, WseeJmsServer, WseeJmsModule) to the cluster.

Either of these workarounds will cause the Configuration Wizard to apply the resources for the WebLogic Server Advanced Web Services component to the cluster.

11.35.24 WS-AT Interoperation Issues With WebSphere and WebLogic Server

Web Services Atomic Transactions (WS-AT) 1.1 interoperation using WebSphere as the client and either WebLogic Server or JRF as the service does not work.

WS-AT 1.1 interoperation does work when WebSphere is the service and either WebLogic Server or JRF is the client. In this case, interoperation works only if you have WebSphere 7 with Fix/Feature Pack 7.

11.36 WebLogic Tuxedo Connector Issues and Workarounds

This section describes the following issue and workaround:

- [Section 11.36.1, "View Classes are not Set on a Per Connection Basis"](#)

11.36.1 View Classes are not Set on a Per Connection Basis

View classes are not set on a per connection basis.

A shared WebLogic Tuxedo Connector hash table can cause unexpected behavior in the server if two applications point to the same VIEW name with different definitions. There should be a hash table for the view classes on the connection as well as for the Resource section.

Workaround

Ensure that all VIEW classes defined across all your WebLogic Workshop applications are consistent, meaning that you have the same VIEW name representing the same VIEW class.

11.37 Documentation Errata

This section describes documentation errata:

- [Section 11.37.1, "Japanese Text Displays in Some Search Results Topics Avitek Medical Records"](#)
- [Section 11.37.2, "HTML Pages For Downloaded Libraries Do Not Display Properly"](#)
- [Section 11.37.3, "Evaluation Database Component Is Not Listed For silent.xml"](#)
- [Section 11.37.4, "Instructions for Reliable SOAP Messaging Code Example Are Incorrect"](#)

11.37.1 Japanese Text Displays in Some Search Results Topics Avitek Medical Records

The samples viewer **Search** function may sometimes return topics that display the Japanese and English versions of some Avitek Medical Records topics simultaneously.

11.37.2 HTML Pages For Downloaded Libraries Do Not Display Properly

After extracting the WebLogic Server documentation library ZIP files that are available from

<http://www.oracle.com/technetwork/middleware/weblogic/documentation/index.html>, the HTML pages may not display properly in some cases for the following libraries:

- E12840_01 (WebLogic Server 10.3.0 documentation library)
- E12839_01 (Weblogic Server 10.3.1 documentation library)
- E14571_01 (WebLogic Server 10.3.3 documentation library)

Workarounds

For library E12840-01, after extracting the E12840_01.zip library file, if the HTML pages are not formatting correctly, perform the following steps:

1. Go to the directory in which you extracted the zip file.
2. Locate the `/global_resources` directory in the directory structure.
3. Copy the `/global_resources` directory to the root directory of the same drive.

For libraries E12839-01 and E14571-01, this issue occurs only on Windows operating systems. If the HTML pages of the extracted library are not formatting correctly, try extracting the ZIP file using another extraction option in your unzip utility. For

example, if you are using 7-Zip to extract the files, select the **Full pathnames** option. Note that you cannot use the Windows decompression utility to extract the library ZIP file.

11.37.3 Evaluation Database Component Is Not Listed For `silent.xml`

In the *WebLogic Server Installation Guides* for WebLogic Server 10.3.3 and 10.3.4, the Evaluation Database is not listed as an installable component in Table 5-1 of Chapter 5, "Running the Installation Program in Silent Mode.:" The following entry should be included in the Component Paths row:

WebLogic Server/Evaluation Database

The Evaluation Database component is automatically installed if the Server Examples component is included in `silent.xml`. Therefore, it does not have to be explicitly included in `silent.xml`. If, however, you do not install the Server Examples, but you want to install the Evaluation Database, you must include `WebLogic Server/Evaluation Database` in `silent.xml`.

11.37.4 Instructions for Reliable SOAP Messaging Code Example Are Incorrect

The instructions for the "Configuring Secure and Reliable SOAP Messaging for JAXWS Web Services" example are a copy of the instructions for the "Using Make Connection and Reliable Messaging for JAX-WS Web Service" example.

The correct instructions for the "Configuring Secure and Reliable SOAP Messaging for JAXWS Web Services" example are provided here.

11.37.4.1 About the Example

This example shows how to configure secure, reliable messaging for JAX-WS Web services. The example includes the following WebLogic Web services:

- Web service whose operations can be invoked using reliable and secure SOAP messaging (*destination endpoint*).
- Client Web service that invokes an operation of the first Web service in a reliable and secure way (*source endpoint*).

Overview of Secure and Reliable SOAP Messaging

Web service reliable messaging is a framework that enables an application running on one application server to reliably invoke a Web service running on another application server, assuming that both servers implement the WS-ReliableMessaging specification. Reliable is defined as the ability to guarantee message delivery between the two endpoints (Web service and client) in the presence of software component, system, or network failures.

WebLogic Web services conform to the WS-ReliableMessaging 1.2 specification (February 2009) and support version 1.1. This specification describes how two endpoints (Web service and client) on different application servers can communicate reliably. In particular, the specification describes an interoperable protocol in which a message sent from a *source endpoint* (or client Web service) to a *destination endpoint* (or Web service whose operations can be invoked reliably) is guaranteed either to be delivered, according to one or more delivery assurances, or to raise an error.

WebLogic Web services use WS-Policy files to enable a destination Web service to describe and advertise its reliable SOAP messaging capabilities and requirements. WS-Policy files are XML files that describe features such as the version of the WS-ReliableMessaging specification that is supported, the source Web service

retransmission interval, the destination Web service acknowledgment interval, and so on.

Overview of the Example

This example uses JWS annotations to specify the shape and behavior of the Web services. It describes additional JWS annotations to enable reliable and secure SOAP messaging in the destination Web service and to reliably invoke an operation from the source Web service in a secure way.

The destination `ReliableEchoService` Web service has two operations that can be invoked reliably and in a secure way: `echo` and `echoOneway`. The JWS file that implements this Web service uses the `@Policies` and `@Policy` JWS annotations to specify the WS-Policy file, which contains the reliable and secure SOAP messaging assertions.

The source `ClientService` Web service has one operation for invoking the `echo` operations of the `ReliableEchoService` Web service reliably and in a secure way within one conversation: `runTestEchoWithRes`. The JWS file that implements the `ClientService` Web service uses the `@WebServiceRef` JWS annotation to specify the service name of the reliable Web service being invoked.

To generate the Web services, use the `jwsc` WebLogic Web service Ant task, as shown in the `build.xml` file. The `jwsc` target generates the reliable and secure Web service and the `jwsc-client-app` target creates the source Web service that invoke the `echo` operations of the `ReliableEchoService` Web service. The `jwsc` Ant task compiles the JWS files, and generates the additional files needed to implement a standard J2EE Enterprise Web service, including the Web service deployment descriptors, the WSDL file, data binding components, and so on. The Ant task automatically generates all the components into an Enterprise Application directory structure that you can then deploy to WebLogic Server. This example uses the `wldeploy` WebLogic Ant task to deploy the Web service.

The `jwsc-client-app` target also shows how you must first execute the `clientgen` Ant task to generate the JAX-WS stubs for the destination `ReliableEchoService` Web service, compile the generated Java source files, and then use the `classpath` attribute of `jwsc` to specify the directory that contains these classes so that the `ClientServiceImpl.java` class can find them.

The `WsrMjaxwsExampleRequest.java` class is a standalone Java application that invokes the `echo` operation of the source Web service. The `client` target of the `build.xml` file shows how to run `clientgen`, and compile all the generated Java files and the `WsrMjaxwsExampleRequest.java` application.

11.37.4.2 Files Used in This Example

Directory Location: `MW_HOME/wlserver_10.3/samples/server/examples/src/examples/webservices/wsrMjaxws/wsrMjaxws_security`

`MW_HOME` represents the Oracle Fusion Middleware home directory.

File	Description
<code>ClientServiceImpl.java</code>	JWS file that implements the source Web service that reliably invokes the <code>echo</code> operation of the <code>ReliableEchoService</code> Web service in a secure way.

File	Description
ReliableEchoServiceImpl.java	JWS file that implements the reliable destination Web service. This JWS file uses the @Policies and @Policy annotation to specify a WS-Policy file that contains reliable and secure SOAP messaging assertions.
client/WsrmlJaxwsExampleRequest.java	Standalone Java client application that invokes the source WebLogic Web service, that in turn invokes an operation of the ReliableEchoService Web service in a reliable and secure way.
ws_rm_configuration.py	WLST script that configures the components required for reliable SOAP messaging. Execute this script for the WebLogic Server instance that hosts the reliable destination Web service. The out-of-the-box Examples server has already been configured with the resources required for the source Web service that invokes an operation reliably.
configWss.py	WLST script that configures the components required for secure SOAP messaging. Execute this script for the WebLogic Server instance that hosts the source Web service. Remember to restart the source WebLogic Server after executing this script.
configWss_Service.py	WLST script that configures the components required for secure SOAP messaging. Execute this script for the WebLogic Server instance that hosts the destination Web service. Remember to restart the destination WebLogic Server after executing this script.
certs/serverKeyStore.jks	Server-side key store used to create the server-side BinarySecurityToken credential provider.
certs/clientKeyStore.jks	Client-side key store used to create the client-side BinarySecurityToken credential provider.
jaxws-binding.xml	XML file that describes the package name of the generated code and indicate the client side code needs to contain asynchronous invocation interface.
build.xml	Ant build file that contains targets for building and running the example.

11.37.4.3 Prepare the Example

This section describes how to prepare the example.

Prerequisites

Before working with this example:

1. Install Oracle WebLogic Server, including the examples.
2. Start the Examples Server.
3. Set up your environment.

Configure the Destination WebLogic Server Instance (Optional)

The default configuration for this example deploys both the source and destination Web services to the Examples server. You can use this default configuration to see how the example works, but it does not reflect a real life example of using reliable and secure SOAP messaging in which the source Web service is deployed to a WebLogic

Server that is *different* from the one that hosts the destination Web service. This section describes how to set up the real life example.

The example includes WebLogic Server Scripting Language (WLST) scripts that are used to configure:

- Store-and-forward (SAF) service agent
- File store
- JMS server
- JMS module
- JMS subdeployment
- JMS queues
- Logical store
- Credential provider for Security Context Token
- Credential provider for Derived Key
- Credential provider for x.509
- KeyStores for Confidentiality and Integrity
- PKI CreditMapper

Follow these steps if you want to deploy the secure and reliable destination Web service to a different WebLogic Server instance:

1. If the managed WebLogic Server to which you want to deploy the reliable JAX-WS Web service does not exist, create it.
2. Change to the *SAMPLES_HOME*\server\examples\src\examples\webservices\wsm_jaxws\wsm_jaxws_security directory, where *SAMPLES_HOME* refers to the main WebLogic Server examples directory, such as c:\Oracle\Middleware\wlserver_10.3\samples.
3. Edit the build.xml file and update the following property definitions to ensure that the reliable JAX-WS Web service is deployed to the destination WebLogic Server:

```
<property name="wls.service.server" value="destinationServerName" />
<property name="wls.service.hostname" value="destinationHost" />
<property name="wls.service.port" value="destinationPort" />
<property name="wls.service.username" value="destinationUser" />
<property name="wls.service.password" value="destinationPassword" />
```

Substitute the italicized terms in the preceding properties with the actual values for your destination WebLogic Server. The default out-of-the-box build.xml sets these properties to the Examples server.

Build and Deploy the Example

To build and deploy the example:

1. Change to the *SAMPLES_HOME*\server\examples\src\examples\webservices\wsm_jaxws\wsm_jaxws_security directory, where *SAMPLES_HOME* refers to the main WebLogic Server examples directory, such as c:\Oracle\Middleware\wlserver_10.3\samples.

2. Run the WLST script that configures the destination WebLogic Server by executing the `config.ws.reliable.service` target of the `build.xml` file from the shell where you set your environment:

```
prompt> ant config.ws.reliable.service
```

3. Execute the following command to configure JAX-WS Web service Security from the shell where you set your environment:

```
prompt> ant config.wss
```

4. If you have configured a different destination WebLogic Server (that is, the destination server is not the Examples server), copy the `certs\serverKeyStore.jks` file to the domain directory of your destination server.

5. Restart both your client and destination WebLogic Server to activate the MBean changes.

6. Execute the following command from the shell where you set your environment:

```
prompt> ant build
```

This command compiles and stages the example. Specifically, it compiles both the source and destination Web services. It also compiles the standalone `WsrMjAxwsExampleRequest` application that invokes the source Web service, which in turn invokes the reliable destination Web service.

7. Execute the following command from the shell where you set your environment:

```
prompt> ant deploy
```

This command deploys, by default, both the source and destination Web services to the `wl_server` domain of your WebLogic Server installation. If you have configured a different destination WebLogic Server and updated the `build.xml` file accordingly, then the reliable JAX-WS Web service is deployed to the configured destination server.

11.37.4.4 Run the Example

To run the example, follow these steps:

1. Complete the steps in the Prepare the Example section.
2. In your development shell, run the `WsrMjAxwsExampleRequest` Java application using the following command from the main example directory (`SAMPLES_HOME\server\examples\src\examples\webservices\wsrm_jaxws\wsrm_jaxws_security`):

```
prompt> ant run
```

This command runs the standalone `WsrMjAxwsExampleRequest` application that invokes the source Web service, which in turn invokes the reliable destination JAX-WS Web service.

3. To test the reliability of the Web service, stop the destination WebLogic Server, and then rerun the `WsrMjAxwsExampleRequest` application. When you restart the destination WebLogic Server and the reliable Web service is deployed, you should see that the operation is also automatically invoked.

Check the Output

If your example runs successfully, the following messages display in the command shell from which you ran the `WsrMjAxwsExampleRequest` application:

```
Trying to override old definition of task clientgen
```

```

run:
[java]
[java]
[java] #####
[java]     In testEcho_AsyncOnServerClient_ServiceBuffered...
[java]     On-Server / Async / Buffered case
[java]     2011/06/16 03:30:29.938
[java] #####
[java]
[java]
[java] Client addr:http://localhost:9001/wsrn_jaxws_sc_example_client/ClientService
[java] ---[HTTP request - http://localhost:9001/wsrn_jaxws_sc_example_client/ClientService]---
[java] Content-type: text/xml;charset=utf-8
[java] Soapaction: ""
[java] Accept: text/xml, multipart/related, text/html, image/gif, image/jpeg,
*, q=.2, */*; q=.2
[java] <?xml version='1.0' encoding='UTF-8'?><S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"><S:Body><ns2:runTestEchoWithRes xmlns:ns2="http://example.wsrn_jaxws/"><arg0>Foo bar</arg0><arg1>localhost</arg1><arg2>8001</arg2><arg3>C:\Oracle\Middleware\wlserver_10.3\samples\server\examples\src\examples\webservices\wsrn_jaxws_security\certs</arg3></ns2:runTestEchoWithRes></S:Body></S:Envelope>-----
[java]
[java] ---[HTTP response - http://localhost:9001/wsrn_jaxws_sc_example_client/ClientService - 200]---
[java] Transfer-encoding: chunked
[java] null: HTTP/1.1 200 OK
[java] Content-type: text/xml;charset=utf-8
[java] X-powered-by: Servlet/2.5 JSP/2.1
[java] Date: Thu, 09 Jun 2011 07:30:33 GMT
[java] <?xml version='1.0' encoding='UTF-8'?><S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"><S:Body><ns2:runTestEchoWithResResponse xmlns:ns2="http://example.wsrn_jaxws/"><return>[2011/06/16 03:30:33.953] ## Making Echo Requests (ASYNC/BUFFERED) ##
[java] [2011/06/16 03:30:42.703] *** On first good invoke ***
[java] [2011/06/16 03:30:42.703] echo returned: Foo bar expected: Foo bar
[java] [2011/06/16 03:30:42.922] echo returned: foo bar 2 expected: foo bar 2
[java] [2011/06/16 03:30:43.031] echo returned: foo bar 3 expected: foo bar 3
[java] [2011/06/16 03:30:43.031] ## Done Making Echo Requests (ASYNC/BUFFERED) ##
[java] </return></ns2:runTestEchoWithResResponse></S:Body></S:Envelope>-----
[java]
[java]
[java] [2011/06/16 03:30:33.953] ## Making Echo Requests (ASYNC/BUFFERED) ##
[java] [2011/06/16 03:30:42.703] *** On first good invoke ***
[java] [2011/06/16 03:30:42.703] echo returned: Foo bar expected: Foo bar
[java] [2011/06/16 03:30:42.922] echo returned: foo bar 2 expected: foo bar 2
[java] [2011/06/16 03:30:43.031] echo returned: foo bar 3 expected: foo bar 3
[java] [2011/06/16 03:30:43.031] ## Done Making Echo Requests (ASYNC/BUFFERED) ##
[java]

```

BUILD SUCCESSFUL
Total time: 2 minutes 33 seconds

The following messages display in the command window from which you started as the client WebLogic Server (that hosts the reliable source Web service):

```
Service addr:http://localhost:7001/wsrn_jaxws_sc_example/ReliableEchoService
  [2011/06/180 01:33:40.906] ## Making Echo Requests (ASYNC/BUFFERED) ##

  [2011/06/180 01:33:40.906] In invokeEchoAsync, invoking echo with request: Foo
bar

  [2011/06/180 01:33:40.906] In invokeEchoAsync, waiting for response to
request: Foo bar ...

  SignInfo mismatch  Algo mismatch http://www.w3.org/2000/09/xmldsig#rsa-sha1
VS.
  http://www.w3.org/2000/09/xmldsig#hmac-sha1 Refs: Msg size =1#Signature_
prfr5thF
  y2vRPbpC, Policy size =3 #unt_w7HSTtcGcebXFWEr, #Timestamp_XIXttwj9Yq2X07Tj,
#Bo
  dy_81D2x3V7iTNYy1I5,
  STR type mismatch Actual
KeyInfo:{http://docs.oasis-open.org/wss/2004/01/oasis-2
00401-wss-wssecurity-secext-1.0.xsd}KeyIdentifier|http://docs.oasis-open.org/wss
/oasis-wss-soap-message-security-1.1#ThumbprintSHA1, StrTypes size=1
:{http://d
ocs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd}Refere
nce||http://docs.oasis-open.org/ws-sx/ws-secureconversation/200512/dk,
Security Token mismatch, token type
=http://docs.oasis-open.org/ws-sx/ws-securec
onversation/200512/dk and actual
ishttp://docs.oasis-open.org/wss/2004/01/oasis-
200401-wss-x509-token-profile-1.0#X509v3
<WSEE:15>There is no information on the incoming SOAP message.
<SmartPolicySelect or.getSmartPolicyBlueprint:501>
testing.....

  [2011/06/180 01:33:41.718] In ClientServiceImpl.onEchoResponse(request:
examplesServer: 4b1c0f3e575dfa8c:7291c50f:130d9cbaace:-7fb8)

  [2011/06/180 01:33:41.718] Done with ClientServiceImpl.onEchoResponse(request:
examplesServer: 4b1c0f3e575dfa8c:7291c50f:130d9cbaace:-7fb8): Foo bar

  [2011/06/180 01:33:41.718] *** On first good invoke ***

  [2011/06/180 01:33:41.734] echo returned: Foo bar expected: Foo bar

  [2011/06/180 01:33:41.734] In invokeEchoAsync, invoking echo with request: foo
bar 2

  [2011/06/180 01:33:41.750] In invokeEchoAsync, waiting for response to
request: foo bar 2 ...

  <WSEE:15>There is no information on the incoming SOAP message.
  <SmartPolicySelect or.getSmartPolicyBlueprint:501>
  testing.....
```

```

[2011/06/180 01:33:41.984] In ClientServiceImpl.onEchoResponse(request:
examplesServer: 4b1c0f3e575dfa8c:7291c50f:130d9cbaace:-7fae)

[2011/06/180 01:33:41.984] Done with ClientServiceImpl.onEchoResponse(request:
examplesServer: 4b1c0f3e575dfa8c:7291c50f:130d9cbaace:-7fae): foo bar 2

[2011/06/180 01:33:41.984] echo returned: foo bar 2 expected: foo bar 2

[2011/06/180 01:33:42.000] In invokeEchoAsync, invoking echo with request: foo
bar 3

[2011/06/180 01:33:42.015] In invokeEchoAsync, waiting for response to
request: foo bar 3 ...

<WSEE:31>There is no information on the incoming SOAP message.
<SmartPolicySelect or.getSmartPolicyBlueprint:501>
testing.....

[2011/06/180 01:33:42.187] In ClientServiceImpl.onEchoResponse(request:
examplesServer:4b1c0f3e575dfa8c:7291c50f:130d9cbaace:-7fab)

[2011/06/180 01:33:42.328] Done with ClientServiceImpl.onEchoResponse(request:
examplesServer:4b1c0f3e575dfa8c:7291c50f:130d9cbaace:-7fab): foo bar 3

[2011/06/180 01:33:42.328] echo returned: foo bar 3 expected: foo bar 3

[2011/06/180 01:33:42.328] ## Done Making Echo Requests (ASYNC/BUFFERED) ##

<WSEE:46>There is no information on the incoming SOAP message.
<SmartPolicySelect or.getSmartPolicyBlueprint:501>

```

The following messages display in the command window from which you started the destination WebLogic Server (that hosts the reliable destination Web service):

```

%% Echoing: Foo bar %%
%% Echoing: foo bar 2 %%
%% Echoing: foo bar 3 %%

```

If you deploy both the source and destination Web services to the same Server, the following messages display in the command window from which you started your client and destination WebLogic Server:

```

Service addr:http://localhost:7001/wsrn_jaxws_sc_example/ReliableEchoService
[2011/06/180 01:33:40.906] ## Making Echo Requests (ASYNC/BUFFERED) ##

[2011/06/180 01:33:40.906] In invokeEchoAsync, invoking echo with request: Foo
bar

[2011/06/180 01:33:40.906] In invokeEchoAsync, waiting for response to
request: Foo bar ...

SignInfo mismatch Algo mismatch http://www.w3.org/2000/09/xmldsig#rsa-sha1
VS.
http://www.w3.org/2000/09/xmldsig#hmac-sha1 Refs: Msg size =1#Signature_
prfr5thF
y2vRPbpC, Policy size =3 #unt_w7HSTtcGcebXFWer, #Timestamp_XIXttwj9Yq2X07Tj,
#Bo
dy_81D2x3V7iTNYy1I5,
STR type mismatch Actual
KeyInfo:{http://docs.oasis-open.org/wss/2004/01/oasis-2

```

```
00401-wss-wssecurity-secext-1.0.xsd}KeyIdentifier|http://docs.oasis-open.org/wss
/oasis-wss-soap-message-security-1.1#ThumbprintSHA1, StrTypes size=1
:{http://d

ocs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd}Refere
nce|http://docs.oasis-open.org/ws-sx/ws-secureconversation/200512/dk,
Security Token mismatch, token type
=http://docs.oasis-open.org/ws-sx/ws-securec
onversation/200512/dk and actual
ishttp://docs.oasis-open.org/wss/2004/01/oasis-
200401-wss-x509-token-profile-1.0#X509v3
%% Echoing: Foo bar %%
<WSEE:15>There is no information on the incoming SOAP message.
<SmartPolicySelect or.getSmartPolicyBlueprint:501>
testing.....

[2011/06/180 01:33:41.718] In ClientServiceImpl.onEchoResponse(request:
examplesServer: 4b1c0f3e575dfa8c:7291c50f:130d9cbaace:-7fb8)

[2011/06/180 01:33:41.718] Done with ClientServiceImpl.onEchoResponse(request:
examplesServer: 4b1c0f3e575dfa8c:7291c50f:130d9cbaace:-7fb8): Foo bar

[2011/06/180 01:33:41.718] *** On first good invoke ***

[2011/06/180 01:33:41.734] echo returned: Foo bar expected: Foo bar

[2011/06/180 01:33:41.734] In invokeEchoAsync, invoking echo with request: foo
bar 2

[2011/06/180 01:33:41.750] In invokeEchoAsync, waiting for response to
request: foo bar 2 ...

%% Echoing: foo bar 2 %%
<WSEE:15>There is no information on the incoming SOAP message.
<SmartPolicySelect or.getSmartPolicyBlueprint:501>
testing.....

[2011/06/180 01:33:41.984] In ClientServiceImpl.onEchoResponse(request:
examplesServer: 4b1c0f3e575dfa8c:7291c50f:130d9cbaace:-7fae)

[2011/06/180 01:33:41.984] Done with ClientServiceImpl.onEchoResponse(request:
examplesServer: 4b1c0f3e575dfa8c:7291c50f:130d9cbaace:-7fae): foo bar 2

[2011/06/180 01:33:41.984] echo returned: foo bar 2 expected: foo bar 2

[2011/06/180 01:33:42.000] In invokeEchoAsync, invoking echo with request: foo
bar 3

[2011/06/180 01:33:42.015] In invokeEchoAsync, waiting for response to
request: foo bar 3 ...

%% Echoing: foo bar 3 %%
<WSEE:31>There is no information on the incoming SOAP message.
<SmartPolicySelect or.getSmartPolicyBlueprint:501>
testing.....

[2011/06/180 01:33:42.187] In ClientServiceImpl.onEchoResponse(request:
```

```
examplesServer:4b1c0f3e575dfa8c:7291c50f:130d9cbaace:-7fab)
```

```
[2011/06/180 01:33:42.328] Done with ClientServiceImpl.onEchoResponse(request:  
examplesServer:4b1c0f3e575dfa8c:7291c50f:130d9cbaace:-7fab): foo bar 3
```

```
[2011/06/180 01:33:42.328] echo returned: foo bar 3 expected: foo bar 3
```

```
[2011/06/180 01:33:42.328] ## Done Making Echo Requests (ASYNC/BUFFERED) ##
```

```
<WSEE:46>There is no information on the incoming SOAP message.  
<SmartPolicySelect or.getSmartPolicyBlueprint:501>
```


Part V

Oracle WebCenter Portal

Part V contains the following chapter:

- [Chapter 12, "Oracle WebCenter Portal"](#)

Oracle WebCenter Portal

This chapter describes issues associated with Oracle WebCenter Portal. It includes the following topics:

- [Section 12.1, "General Issues and Workarounds"](#)
- [Section 12.2, "Documentation Errata"](#)

12.1 General Issues and Workarounds

This section describes general issues and workarounds. It includes the following topics:

- [Section 12.1.1, "Support for Discussions Server from Jive Software"](#)
- [Section 12.1.2, "Troubleshooting Service Provisioning Issues"](#)
- [Section 12.1.3, "Oracle WebCenter Portal's Pagelet Producer Failover Support"](#)
- [Section 12.1.4, "Option to Create a Portal Resource Displayed for Design-Time Task Flows"](#)
- [Section 12.1.5, "SQL Query with NCHAR Data Type Throws Exception"](#)
- [Section 12.1.6, "Setting Up WNA-Based SSO Using JDK 1.6.22 Produces an Error"](#)
- [Section 12.1.7, "Configuring the REST Server Post-Installation"](#)
- [Section 12.1.8, "Resources in Framework Application Disappear after Redeployment of Application"](#)
- [Section 12.1.9, "Style Sheets Not Loaded Correctly for Sample WSRP Producer Test Pages through Oracle HTTP Server"](#)
- [Section 12.1.10, "Cannot Customize or Personalize a JSF Portlet"](#)
- [Section 12.1.11, "Fallback Support for Custom Translations"](#)
- [Section 12.1.12, "Spaces Do Not Display Correct Language When the Spaces Application is Accessed Using OAM"](#)
- [Section 12.1.13, "Announcement Publication Format can be Incorrect in Thai"](#)
- [Section 12.1.14, "Favorite Based on Seeded Page Lost When Language Preference Changed from en-US"](#)
- [Section 12.1.15, "The Run as Servlet Link on Producer Test Page Does Not Work for JSF Portlet"](#)
- [Section 12.1.16, "Using OpenSocial Pagelets to Post Activities to User's Activity Stream"](#)

- [Section 12.1.17, "Accessing Owners' Profile Information Using the OpenSocial API"](#)
- [Section 12.1.18, "Granting View Document Permissions to Public and Authenticated Users for a Hierarchical Space"](#)
- [Section 12.1.19, "Issues when Using the Russian or Swedish Language"](#)
- [Section 12.1.20, "Conditions for Deleting Messages from the Activity Stream"](#)
- [Section 12.1.21, "Configuring Web Services Security for Discussions Server"](#)
- [Section 12.1.22, "Unable to View Entire Content on iPad as Scrollbars Not Displayed"](#)
- [Section 12.1.23, "RSS Links Not Working Properly on iPad"](#)
- [Section 12.1.24, "Cannot Upload Content Using iPad"](#)
- [Section 12.1.25, "Cannot Copy Text Displayed on Pages"](#)
- [Section 12.1.26, "Embedded Images Not Rendered"](#)
- [Section 12.1.27, "Unable to Check Out a Document When Using Firefox First Time"](#)
- [Section 12.1.28, "Navigating in the Preferences Dialog in Internet Explorer 9 \(Accessibility Issue\)"](#)
- [Section 12.1.29, "Web Clipping Portlet is Deprecated"](#)
- [Section 12.1.30, "Messages Displayed During Import or Export Appear Incomplete \(Accessibility Issue\)"](#)
- [Section 12.1.31, "Deployment Fails Because Versioned Applications Are Not Supported"](#)
- [Section 12.1.32, "Some Formatting Lost in Rich Text Editor When Shifting from Rich Text or HTML to Wiki Markup"](#)
- [Section 12.1.33, "Unable to Access All Nodes in a Large Navigation Model"](#)

12.1.1 Support for Discussions Server from Jive Software

Oracle supports the embedded discussions server from Jive Software. Use the supplied task flows that come with WebCenter Portal to call this discussions server. Any custom development against APIs in the Jive Web Service layer are subject to review by Oracle and may not be supported.

There are a limited set of beta features that Jive Software delivers as part of the discussions server that Oracle does not recommend and cannot yet support.

Documentation for Jive Forums is included for reference only. Jive software installations and upgrades outside of the WebCenter Portal product installation are not supported.

12.1.2 Troubleshooting Service Provisioning Issues

When you create a group space, an error similar to the following might be seen if provisioning a service exceeds the time allowed:

Group space created with the following warnings:

```
Issues were faced while provisioning the services.
Errors were encountered for the following services - Discussions and
Announcements. Check if these services have been configured correctly.
```

When a group space is created, services are provisioned in parallel in multiple threads. If provisioning a service exceeds the specified timeout, the thread is interrupted. The timeout may be exceeded due to time needed to copy the metadata when the latency between the midtier and the database is too high, network issues, database performance issues, and so on.

To check if the issue is due to exceeding the timeout, search the log file for a message similar to the following:

```
<Nov 3, 2009 4:44:06 PM GMT> <Warning> <oracle.webcenter.webcenterapp>
<BEA-000000> <Concurr: The thread is timed out in 10000 milisec.
for oracle.webcenter.collab.forum:Execution timedout
queued :    12 ms
suspended :    0 ms
running : 5842 ms
timeout : 5000 ms
service : oracle.webcenter.community
resource : oracle.webcenter.collab.forum
source : oracle.webcenter.concurrent.RunnableTask@23268a92
(oracle.webcenter.concurrent.RunnableTask) submission : 15>
```

```
<Nov 3, 2009 4:44:06 PM GMT> <Warning> <oracle.webcenter.webcenterapp>
<BEA-000000> <Concurr: The thread is timed out in 5000 milisec.
for oracle.webcenter.collab.announcement:Execution timedout
queued :   37 ms
suspended :    0 ms
running : 5875 ms
timeout : 5000 ms
service : oracle.webcenter.community
resource : oracle.webcenter.collab.announcement
source : oracle.webcenter.concurrent.RunnableTask@37538945
(oracle.webcenter.concurrent.RunnableTask) submission : 18>
```

```
<Nov 3, 2009 4:44:06 PM GMT> <Warning>
<oracle.webcenter.collab.forum.internal.jive.CategoryTaxonomyCreator> <BEA-000000>
<java.io.InterruptedIOException: Operation interrupted
```

In this case, the running time of 5875 ms exceeded the timeout of 5000 ms. The root cause of the timeout should be addressed; for example, resolve networking or database performance issues.

The networking issues could be resolved by increasing the TCP/IP timeout value. To change the timeout values, log in as a root user and execute the following command:

```
ndd -set /dev/tcp tcp_time_wait_interval 480000 (default value is 60000)
```

Restart the Administration and Managed Servers. Once this is done, the group space can be created again and the error will not be encountered. If the performance cannot be improved and the error persists, the timeout value may be increased for the service encountering the error. For more information, see Section A.5.5, "Configuring Concurrency Management."

12.1.3 Oracle WebCenter Portal's Pagelet Producer Failover Support

Oracle WebCenter Portal's Pagelet Producer supports failover in a clustered configuration. However, the in-flight data (unsaved or pending changes) is not preserved. On failover, administrators must reestablish their administrative session. End users may also need to reestablish the session if the proxy is required to have a state. If SSO is configured, credentials are automatically provided, and the session is reestablished.

12.1.4 Option to Create a Portal Resource Displayed for Design-Time Task Flows

You can bring runtime task flows into JDeveloper, edit them, and export them back to the deployed application. However, Oracle recommends that you not expose task flows created in JDeveloper as portal resources. When you create an ADF task flow inside the `/oracle/webcenter/portalapp` folder, the context menu on the task flow definition file displays the Create Portal Resource option. Do not use this option to expose a design-time task flow as a portal resource. Task flows typically involve multiple files. When you export a new task flow from JDeveloper, all files may not be exported properly, and this may result in the task flow being broken post-deployment.

12.1.5 SQL Query with NCHAR Data Type Throws Exception

When using a SQL data control, you may encounter an error if the query contains a column with the NCHAR data type. As a workaround, you can use the `to_char(NCHAR_COLUMN NAME)` function.

12.1.6 Setting Up WNA-Based SSO Using JDK 1.6.22 Produces an Error

Setting up Windows Native Authentication-based single sign-on using SUN JDK 1.6.22 produces an error. Use the jrockit JDK instead of the Sun JDK, or contact Oracle Support to get a backport request for bug 10631797.

12.1.7 Configuring the REST Server Post-Installation

For certain features of the WebCenter Portal REST server to work correctly when using a REST client like the Oracle WebCenter Portal iPhone application, the flag `WLForwardUriUnparsed` must be set to ON for the Oracle WebLogic Server Plugin that you are using.

- If you are running Apache in front of WebLogic Server, add this flag to `weblogic.conf`.
- If you are running Oracle HTTP Server (OHS) in front of WebLogic Server, add this flag to `mod_wl_ohs.conf`.

The examples below illustrate the possible configurations for both of these cases.

For more information about how to configure WebLogic Server Plugins, see *Oracle Fusion Middleware Using Web Server 1.1 Plug-Ins with Oracle WebLogic Server*.

Example 1: Using `<location /rest>` to apply the flag only for `/rest` URIs (recommended)

```
<Location /rest>
  # the flag below MUST BE set to "On"
  WLForwardUriUnparsed    On

  # other settings, example: WebLogicCluster or WebLogicHost & WebLogicPort

  # set the handler to be weblogic
  SetHandler weblogic-handler
</Location>
```

Example 2: Applying the flag to all URIs served by Oracle WebLogic Server

```
<IfModule mod_weblogic.c>
  # the flag below MUST BE set to "On"
  WLForwardUriUnparsed    On

  # other settings, example: WebLogicCluster or WebLogicHost & WebLogicPort
```

```

WebLogicCluster johndoe02:8005,johndoe:8006
Debug ON
WLogFile c:/tmp/global_proxy.log
WLTempDir "c:/myTemp"
DebugConfigInfo On
KeepAliveEnabled ON
KeepAliveSecs 15
</IfModule>

```

12.1.8 Resources in Framework Application Disappear after Redeployment of Application

If a Framework application has been customized at runtime to add new resources through the Resource Manager, those new resources are lost after a new deployment or a redeployment of the same application.

Any new pages created at runtime that use the lost resources are still available even though the resources themselves are no longer available in the Resource Manager.

This issue happens when the application version or the redeployment version is changed during the redeployment of the application, either using Fusion Middleware Control or WLST. It can also happen on redeployment when the `generic-site-resources.xml` file has been changed at design time (for example, by creating new resources).

This issue occurs because the `generic-site-resources.xml` file is overwritten on redeployment.

To work around this issue, you must manually add the `mds-transfer-config.xml` file to the application.

Note: Any resources created at design time must be manually added to the runtime application before redeploying the application.

1. Download the `mds-transfer-config.xml` file from the following location:

<https://support.oracle.com/oip/faces/secure/km/DownloadAttachment.jspx?attachid=1343209.1:mdstransferconfig>

2. Extract the MAR file (for example `AutoGeneratedMar.mar`) from the EAR file.
3. In the extracted MAR file directory, create a new directory, called `META-INF`, and copy the `mds-transfer-config.xml` file to the new directory.
4. Update the MAR file with `META-INF\mds-transfer-config.xml`, for example:

```
jar -uvf AutoGeneratedMar.mar META-INF\mds-transfer-config.xml
```

5. Update the EAR file with the updated MAR file:

```
jar -uvf YourApp.ear AutoGeneratedMar.mar
```

6. Redeploy `YourApp.mar`.

12.1.9 Style Sheets Not Loaded Correctly for Sample WSRP Producer Test Pages through Oracle HTTP Server

If Oracle HTTP Server is used as a front end for the Sample WSRP Portlets producer, the style sheets for the WSRP Producer Test Pages of the WSRP Tools and Rich Text

Editor portlet producers are not loaded properly in Mozilla Firefox or Google Chrome. However, the style sheets do load properly in Internet Explorer. Functionality of the portlets is not affected.

12.1.10 Cannot Customize or Personalize a JSF Portlet

When clicking **OK** after customizing or personalizing a JSF portlet (that is, a portlet created using the Oracle JSF Portlet Bridge), the portlet does not respond and displays a timeout message. This is caused by performing an edit action and changing the portlet mode in a single operation. End users can work around this issue by clicking **Apply** (instead of **OK**) to perform the edit action first, then clicking **Return** to change the portlet mode back to View mode. Portlet developers can avoid the issue occurring by editing the code for the generated Edit Defaults mode (in the `edit_defaults.jspx` file) and Edit mode (in the `edit.jspx` file) and removing the code for the **OK** button so that end users are forced to use the **Apply** button instead.

12.1.11 Fallback Support for Custom Translations

There is no fallback support for custom translations. For example, if you create a custom translations file named `scope-resource-bundle_fr.xlf` and the space language setting is country-specific (`fr-FR`), the custom translation file is not used because Spaces is looking for `scope-resource-bundle_fr-FR.xlf`. As a workaround, copy `_fr_xlf` and include the country specification in the names of the custom translation files (for example, `scope-resource-bundle_fr-FR.xlf`).

12.1.12 Spaces Do Not Display Correct Language When the Spaces Application is Accessed Using OAM

When users access the Spaces application through OAM, spaces do not display the language selected on the OAM login page. The Spaces application does not use the same `xlf` file name standard as OAM.

12.1.13 Announcement Publication Format can be Incorrect in Thai

When the display language is set to Thai, the announcement publication format can be incorrect. This happens when announcements are opened to edit and are then saved, even if nothing in the announcement itself is updated.

12.1.14 Favorite Based on Seeded Page Lost When Language Preference Changed from en-US

If you add a seeded page, such as the Activities page, to your list of Favorites, and then change your preferred application language from en-US using Preferences, the favorite seeded page cannot be found.

12.1.15 The Run as Servlet Link on Producer Test Page Does Not Work for JSF Portlet

You can create a JSF portlet (that is, a portlet that uses the Oracle JSF Portlet Bridge) using the Create JSR 286 Java Portlet Wizard by selecting the **Generate ADF-Faces JSPX** implementation method on the third step of the wizard.

If you create a JSF portlet in this way, you may find that clicking the **Run as Servlet** link on the portlet's Producer Test Page produces an error. The portlet itself, however, runs correctly.

To avoid this issue, add the ADF Page Flow scope to the project that contains the portlet. For information, see the section "Adding and Removing Technology Scopes" in *Oracle Fusion Middleware Developer's Guide for Oracle WebCenter*.

12.1.16 Using OpenSocial Pagelets to Post Activities to User's Activity Stream

Pagelets based on OpenSocial gadgets are not able to post activities to a user's activity stream. To implement a temporary solution, grant User Profile 'edit' permission to Oracle WebCenter Portal's Pagelet Producer using the following WLST/WSAdmin command:

```
grantPermission(appStripe="pagelet-producer",
principalClass="oracle.security.jps.internal.core.principals.JpsAuthenticatedRoleI
mpl", principalName="authenticated-role",
permClass="oracle.webcenter.peopleconnections.profile.security.ProfilePermission",
permTarget="/oracle/webcenter/peopleconnections/profile/s8bba98ff_4cbb_40b8_beee_
296c916a23ed/.*", permActions="view,edit")
```

After running the command, restart the Pagelet Producer server.

12.1.17 Accessing Owners' Profile Information Using the OpenSocial API

To access owners' Profile/Activities/Friends information using the OpenSocial API with Oracle WebCenter Portal's Pagelet Producer, you must target the `WebCenterDS` data source to the `WC_Portlet` managed server as described in the *Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter*. After saving this configuration, Activities and Friends information can be fetched, but Profile information is not returned. To access Profile information, restart the `WC_Portlet` managed server.

12.1.18 Granting View Document Permissions to Public and Authenticated Users for a Hierarchical Space

When you grant the `View Document` permission to the `Public-User` and `Authenticated-User` roles on a hierarchical space, equivalent "Read" permissions are not set correctly in Content Server. If you want public users and authenticated users to have `View Document` permissions on a space, you do not need to grant the permission to both the roles separately. When you grant the `View Document` permission to public users, authenticated users inherit the `View Document` permission automatically.

If you want to revoke `View Document` permissions from public users but grant `View Document` permissions to authenticated users, then revoke the permission from the `Public-User` role and add it for the `Authenticated-User` role.

12.1.19 Issues when Using the Russian or Swedish Language

In the Spaces application when the language is set to Russian, you cannot perform certain user management tasks for spaces, including adding a new user to a space, inviting a registered user to a space, and modifying or revoking a user's role assignment.

If the language is set to Swedish, the Roles page under Spaces Administration is not accessible.

12.1.20 Conditions for Deleting Messages from the Activity Stream

Users can delete only messages from the Activity Stream that were entered from the Publisher task flow and include a link. (In other words, messages in the Activity

Stream that were not entered via the Publisher and do not include a link cannot be deleted.)Users can delete only messages with a link from the Activity Stream. Other activity stream entries, such as notifications of page creations, cannot be deleted.

12.1.21 Configuring Web Services Security for Discussions Server

In Release 11.1.1.7.0, discussions server is shipped with no message protection for Web Service interaction between discussions server and Spaces; this allows you to use discussions server without any further configuration. However, after patching your Oracle WebCenter 11.1.1.4.0 or earlier version, if you encounter WS-Security-related errors, you must reconfigure the discussions server security settings. For information, see the "Configuring Security Policies for Spaces, Discussions, and Portlet Producer Web Service End Points" section in *Oracle Fusion Middleware Patching Guide*.

12.1.22 Unable to View Entire Content on iPad as Scrollbars Not Displayed

The Apple iOS platform does not display scrollbars. When you view a page on an iPad, content may appear truncated because scrollbars are not displayed. Also, iFrame components ignore dimensions on iPad. To view the entire content area, use the two-finger scroll gesture on your iPad.

12.1.23 RSS Links Not Working Properly on iPad

The Apple iOS platform renders RSS links by loading them through the site reader .mac .com. If the WebCenter Portal instance is not accessible outside your firewall, RSS links cannot be viewed.

12.1.24 Cannot Upload Content Using iPad

The Apple iOS platform does not support a native file system browser. Therefore, you cannot upload content from an iPad. All upload actions, such as publish, upload, and share are disabled or hidden when you access WebCenter Portal from an iPad.

12.1.25 Cannot Copy Text Displayed on Pages

If you access a page through an iPad, you cannot copy the text displayed on the page. This is a limitation from the Apple iOS platform.

12.1.26 Embedded Images Not Rendered

The Mail task flow does not render embedded images. If an email contains inline images, they are shown as attachments, and not within the message body.

12.1.27 Unable to Check Out a Document When Using Firefox First Time

The first time you access WebCenter Portal using the Mozilla Firefox browser, and attempt to open a document using Desktop Integration over an SSL or HTTPS connection, you will receive a warning that the certificate is not trusted, even if the environment has a valid certificate. You can open the document, but cannot check in or check out the document from within a Microsoft Office application. However, subsequent use of Desktop Integration through the Firefox browser will work as expected and you will be able to check documents in and out from within a Microsoft Office application.

12.1.28 Navigating in the Preferences Dialog in Internet Explorer 9 (Accessibility Issue)

When using only the keyboard in WebCenter Portal in Internet Explorer 9, on the General Preferences page in the Preferences dialog, the Expression Editor dialog loses cursor focus after a value is changed using the down arrow key. The cursor focus goes back to the General Preferences page instead of the Expression Editor dialog. To work around this issue, use Internet Explorer 8 or any other supported browser like Safari 23.x or Firefox 10.x.

12.1.29 Web Clipping Portlet is Deprecated

The Web Clipping portlet is deprecated in Release 11g (11.1.1.7.0) and should not be used. Instead, create a clipper pagelet using Oracle WebCenter Portal's Pagelet Producer.

12.1.30 Messages Displayed During Import or Export Appear Incomplete (Accessibility Issue)

While accessing WebCenter Portal: Spaces using Internet Explorer 10, progress messages displayed during import or export space appear incomplete. To work around this issue, click the browser compatibility icon next to the address bar to enable browser compatibility.

12.1.31 Deployment Fails Because Versioned Applications Are Not Supported

Application versioning is no longer supported by default for ADF applications. Upon initial deployment, an existing 11.1.1.6.0 (or earlier) or new application (11.1.1.7.0 or later) deploys successfully regardless of the application's versioning. However, when redeploying an unversioned application from JDeveloper 11.1.1.7.0 to a WebLogic Server where a versioned instance of that application is already running, deployment will fail. This is because the server is already running a versioned instance and WebLogic Server does not allow deploying an unversioned instance of the same application. You will see an error message like this:

```
Weblogic Server Exception:  
weblogic.management.ManagementException: [Deployer:149082]You cannot deploy  
application 'Application1_application1' without version. The application was  
previously deployed with version 'V2.0'.
```

To resolve this issue, undeploy the versioned application first and then deploy the unversioned application.

12.1.32 Some Formatting Lost in Rich Text Editor When Shifting from Rich Text or HTML to Wiki Markup

In the Rich Text Editor, if you switch from the Rich Text or HTML pane to the Wiki Markup pane, you might encounter formatting issues. For example, only the image source and title properties or attributes are saved when switching to Wiki Markup.

12.1.33 Unable to Access All Nodes in a Large Navigation Model

If you have a navigation model with many nodes, depending on the page template used for your portal, you may not be able to access all those nodes when you render that navigation model in a page. If there are more nodes than fit in the area of the page template used for navigation, a >> icon provides access to a drop-down list of the remaining nodes. However, if this drop-down list is longer than the available screen

size, you will not be able to access the nodes at the end of the list. For example, this situation may arise if you are using a page template where the navigation is displayed in a bar along the top of the page.

To work around this issue, consider using a different page template that displays navigation down the side of the page. Alternatively, you can use folders in your navigation model to group similar nodes together and reduce the number of nodes displayed at any one level of the navigation model.

12.2 Documentation Errata

This section describes documentation errata. It includes the following topic:

- [Section 12.2.1, "Oracle SES Active Connection"](#)
- [Section 12.2.2, "Extending the Spaces Application Using JDeveloper"](#)
- [Section 12.2.3, "Using Spaces Extension Samples Whitepaper"](#)
- [Section 12.2.4, "Microsoft Exchange Server 2010 Not Supported"](#)
- [Section 12.2.5, "Presence Servers Supported for the IMP Service"](#)

12.2.1 Oracle SES Active Connection

In *Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter*, in "Table 22-3 Oracle SES Connection - Name", the definition of Active Connection should read as follows:

"Select to use the Oracle SES instance defined on this connection as your search platform for your WebCenter Portal application. While you can register multiple Oracle SES connections for an application, only one connection is used—the default (or active) connection."

12.2.2 Extending the Spaces Application Using JDeveloper

If you want to develop custom resources or build custom shared libraries for the Spaces application (11.1.1.7.0) you *must* use Oracle JDeveloper 11.1.1.7.0 to develop your extensions.

In *Oracle Fusion Middleware Developer's Guide for Oracle WebCenter*, section "Downloading a Workspace for Spaces Development" incorrectly states to use Oracle JDeveloper 11.1.1.6.0. Specifically, step 2 should read as follows:

"Step 2 Download and install Oracle JDeveloper 11g (11.1.1.7.0).

Oracle JDeveloper 11g (11.1.1.7.0) is available for download from:

<http://www.oracle.com/technetwork/developer-tools/jdev/downloads/index.html>"

12.2.3 Using Spaces Extension Samples Whitepaper

In *Oracle Fusion Middleware Developer's Guide for Oracle WebCenter*, section "Deploying Your Own Custom Code and Task Flows in Shared Libraries" incorrectly refers to the accompanying whitepaper as "Using Spaces Extension Samples (11.1.1.6.0)". For WebCenter Portal 11.1.1.7.0, you must refer to the whitepaper "Using Spaces Extension Samples (11.1.1.7.0)".

12.2.4 Microsoft Exchange Server 2010 Not Supported

In *Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter*, the "Configuring Microsoft Exchange Server 2007 or 2010 for WebCenter Portal" section and the "Third-Party Product Integration" appendix incorrectly specify Microsoft Exchange Server 2010 as a supported mail server. Microsoft Exchange Server 2010 is not certified for use with Oracle WebCenter Portal.

12.2.5 Presence Servers Supported for the IMP Service

In *Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter* the "Microsoft Live Communications Server (LCS) Prerequisites" section and the "Third-Party Product Integration" appendix do not provide complete product details about the presence servers supported by the Instant Messaging and Presence (IMP) service. You can configure any of the following servers as the communication server for the IMP service:

- Microsoft Office Live Communications Server (LCS) 2005 R2
- Microsoft Office Communications Server (OCS) 2007 SP1
- Microsoft Lync 2010

Part VI

Oracle SOA Suite and Business Process Management Suite

Part VI contains the following chapters:

- Chapter 13, "Oracle SOA Suite, Oracle BPM Suite, and Common Functionality"
- Chapter 14, "Web Services Development, Security, and Administration"

Oracle SOA Suite, Oracle BPM Suite, and Common Functionality

To view the latest known issues associated with Oracle SOA Suite, BPM Suite, and related SOA technologies, go to Oracle Technology Network (OTN) at <http://www.oracle.com/technetwork/middleware/docs/soa-aiAFP-know-nissuesindex-364630.html>. These known issues documents include the following products:

- Oracle Adapter for Oracle Applications (Oracle E-Business Suite Adapter)
- Oracle AIA Foundation Pack
- Oracle Application Adapters for Oracle WebLogic Server
- Oracle Application Server Legacy Adapters
- Oracle B2B
- Oracle BPEL Process Manager
- Oracle Business Activity Monitoring
- Oracle Business Process Management
- Oracle Business Rules
- Oracle Complex Event Processing
- Oracle Enterprise Repository
- Oracle Human Workflow
- Oracle Mediator
- Oracle Service Bus
- Oracle SOA Suite and Oracle BPM Suite Common Functionality
- Oracle Technology Adapters



Web Services Development, Security, and Administration

This chapter describes issues associated with Web services development, security, and administration, including Oracle Web Services Manager.

It includes the following topics:

- Section 14.1, "Using Multibyte User Credentials with wss_http_token_* Policy"
- Section 14.2, "Performing a Bulk Upload of Policies"
- Section 14.3, "Reviewing Policy Configuration Override Values After Detaching a Client Policy"
- Section 14.4, "Removing Post-deployment Customizations"
- Section 14.5, "Reviewing Localization Limitations"
- Section 14.6, "When Using WLST to Import a Security Policy, the Same Policy May Be Repeatedly Imported"
- Section 14.7, "Identity in WSDLs Is Not Used for Enforcement with ADF DC Applications"
- Section 14.8, "Fusion Middleware Control Does Not List Policies When Two Servers Are SSL Enabled (Two-way SSL)"
- Section 14.9, "Web Service Test Page Cannot Test Input Arguments Bound to SOAP Headers"
- Section 14.10, "When Adding SAML Issuer From Fusion Middleware Control the jps-config.xml File Is Incorrectly Updated"
- Section 14.11, "Patching of Patch Set 1 WebLogic Server Web Services Attached to Custom Polices With Patch Set 3 Oracle WSM Policy Manager"
- Section 14.12, "Custom Policy Fails When an Empty Subject Is Passed"
- Section 14.13, "Possible Limitation When Using Custom Exactly-one Policies"
- Section 14.14, "Ignore "Services Compatibility" Error for Security Policies Used Between Oracle WSM and WebLogic Server"
- Section 14.15, "Compatible Policies Not Returned When Using JDeveloper Wizard to Attach Oracle WSM Policies to Web Service Client"
- Section 14.16, "SAML Bearer Token Policies Now Signed by Default"
- Section 14.17, "Security Policies Do Not Work on Subscriber Mediator Component"
- Section 14.18, "Policy Table Might Not Show Attached Policies for Some Locales"

- Section 14.19, "Manual Step Required to Uptake Changes in Predefined Policy"
- Section 14.20, "Usage Tracking Not Enabled for WebLogic Web Service Client"
- Section 14.21, "Do Not Attach a Permitall and Denyall Policy to the Same Web Service"
- Section 14.22, "Additional Quotes in Fusion Middleware Control for Run-time Constraint Input from WLST"
- Section 14.23, "Scoped Configuration Override Persists for Subsequent References to the Same Policy"
- Section 14.24, "New Default Settings for Policies"
- Section 14.25, "Restart Applications to Get an Accurate Policy Usage Count"
- Section 14.26, "Kerberos Policy Enforcement Throws an "Unable to Obtain Password from User" Error"
- Section 14.27, "The migrateAttachments WLST Command Fails for WebLogic JAX-WS Web Services"
- Section 14.28, "A Null Pointer Exception Could be Thrown When Verifying a SOAP Message Signature"
- Section 14.29, "checkWSMstatus() WLST Command Fails Against a Domain When wsm-pm Targets Multiple Servers"
- Section 14.30, "Performance Improvements in Web Services Policy Pages"
- Section 14.31, "Cross-Domain Policy Manager Configuration is Not Supported in this Release"
- Section 14.32, "The setWebServicePolicyOverride WLST Command Does Not Apply to JAVA EE (WebLogic) Web Services"

Note: For WebLogic Web Services, see [Section 11.35, "Web Services and XML Issues and Workarounds."](#)

14.1 Using Multibyte User Credentials with wss_http_token_* Policy

In this release, multibyte user credentials are not supported for the wss_http_token_* policies. If multibyte user credentials are required, use a different policy, such as wss_username_token_* policy. For more information about the available policies, see Appendix B "Predefined Policies" in the *Oracle Fusion Middleware Security and Administrator's Guide for Web Services*.

14.2 Performing a Bulk Upload of Policies

When performing a bulk import of policies to the MDS repository, if the operation does not succeed initially, retry the operation until the bulk import succeeds.

For the most part, this can occur for an Oracle RAC database when the database is switched during the metadata upload. If there are n databases in the Oracle RAC database, then you may need to retry this operation n times.

For more information about bulk import of policies, see "Migrating Policies" in the *Oracle Fusion Middleware Security and Administrator's Guide for Web Services*.

14.3 Reviewing Policy Configuration Override Values After Detaching a Client Policy

If you attach a policy to a client, override policy configuration values, and subsequently detach the policy, the policy configuration override values are not deleted. When attaching new policies to this client, ensure that you review the policy configuration override values and update them appropriately.

14.4 Removing Post-deployment Customizations

When the `connections.xml` file is changed after deployment using the `AdfConnection` MBean, the complete connection is saved as a customization. This means that changes to the connection in a redeployed application are overwritten by the customization.

When you use Fusion Middleware Control to make changes to an application's `connections.xml` file after deployment, a new `connections.xml` file is created as a customization and stored in the MDS repository. This customization persists for the life of the application. Therefore, if you redeploy the application, the customized `connections.xml` file continues to be applied as a customization on the application.

To allow the redeployed application's `connections.xml` file to be applied without the prior customization (from Fusion Middleware Control), you must explicitly remove the `connections.xml` customizations from the MDS repository.

For example, if you deploy an application with a Web services data control, then use Fusion Middleware Control to attach the 'username token client policy', and subsequently detach the policy. Then, you return to JDeveloper to edit the application and attach the 'http token client policy', and redeploy the application. When you view the application using Fusion Middleware Control, you see that it is not using the 'http token client policy' that you attached. That is because it is using the customized `connections.xml` file that you previously created using Fusion Middleware Control.

If you remove the `connections.xml` customizations from the MDS repository, the application will use the its own `connections.xml` file.

14.5 Reviewing Localization Limitations

The following information is supported in **English only** in this release of Oracle Enterprise Manager:

- All fields in the policy and assertion template except the `orawsp:displayName` field.
- If using the `?orawSDL` browser address, the `orawsp:description` field.
- In the System MBean browser, the **Description** field in the `oracle.wsm.upgrade` Mbean.

14.6 When Using WLST to Import a Security Policy, the Same Policy May Be Repeatedly Imported

When WLST is used to import a security policy, be aware that the same policy may be repeatedly imported.

14.7 Identity in WSDLs Is Not Used for Enforcement with ADF DC Applications

For ADF DC applications, the identity extension in a WSDL (for example, the certificate published in the WSDL), cannot be used as a recipient certificate for message protection policies. Instead, either the recipient key alias (declarative configuration override) or the default recipient key alias specified in the policy are used.

14.8 Fusion Middleware Control Does Not List Policies When Two Servers Are SSL Enabled (Two-way SSL)

When a Managed Server is Two-way enabled SSL (for example, a SOA server hosting Oracle WSM Policy Manager over Two-way SSL) and the Administration Server hosting Fusion Middleware Control is correctly configured to access the Two-way SSL-enabled Managed Server, Fusion Middleware Control still does not list the Oracle WSM policies.

14.9 Web Service Test Page Cannot Test Input Arguments Bound to SOAP Headers

For Web services that have any input arguments bound to SOAP headers, the Test Web Service page in the Fusion Middleware Control console cannot show the message. Therefore, such operations cannot be tested with the **Test Web Service** page.

For example, if the input for a multi-part WSDL is viewed through Fusion Middleware Control, and one input argument is bound to a SOAP header, the composite instance fails with the following exception because the other part of the message was missing in the input:

```
ORAMED-01203:[No Part]No part exist with name "request1" in source message
```

To resolve such an issue, select XML View for Input Arguments and edit the payload to pass input for both parts of the WSDL.

14.10 When Adding SAML Issuer From Fusion Middleware Control the jps-config.xml File Is Incorrectly Updated

In release 11g R1 (11.1.1.1.0), when you try to add or edit a trusted issuer from the Fusion Middleware Control console, then the `jps-config.xml` file is incorrectly updated. As a workaround for this issue, Oracle recommends upgrading to 11g R1 Patch Set 2 (11.1.1.3.0).

14.11 Patching of Patch Set 1 WebLogic Server Web Services Attached to Custom Polices With Patch Set 3 Oracle WSM Policy Manager

Due to a new feature in 11g R1 Patch Set 2 (11.1.1.3.0), the "Shared policy store for Oracle Infrastructure Web services and WebLogic Server Web services", WebLogic Server Web services now utilize the Policy Manager by default to retrieve policies from the MDS repository. In Patch Set 1, WebLogic Server Web services used classpath mode by default.

After patching your Oracle Fusion Middleware 11g R1 software installation to Patch Set 2, if you have attached a *custom* Oracle WSM policy to a WebLogic Server Web

service, you need to make sure your custom policy is stored in the MDS repository. Note that only custom policies in use need to be migrated. All seed policies will be available in the MDS repository out-of-the-box.

To migrate policies to the Metadata Services (MDS) repository, see "Maintaining the MDS Repository" in the *Security and Administrator's Guide for Web Services*.

14.12 Custom Policy Fails When an Empty Subject Is Passed

If an empty subject is passed to a custom policy, it fails with a generic error. To work around this issue, you can create and set an `anonymousSubject` inside the `execute` method of the custom step. For example:

```
javax.security.auth.Subject subject =
oracle.security.jps.util.SubjectUtil.getAnonymousSubject();
context.setProperty(oracle.wsm.common.sdk.IMessageContext.SECURITY_
SUBJECT, subject)
```

Note that in this example the context is of Type `oracle.wsm.common.sdk.IContext`

14.13 Possible Limitation When Using Custom Exactly-one Policies

In some cases, there can be a limitation when using custom Exactly-one policies. For a set of assertions within the exactly-one policy, if a request message satisfies the first assertion, then the first assertion gets executed and a response is sent accordingly. However, this may not be the desired behavior in some cases because the request may be intended for the subsequent assertions.

For example, you may have a client policy that has `Timestamp=ON` and a service exactly-one policy that has a `wss11_username_token` with `message protection` assertions: the first has `Timestamp=OFF`; the second has `Timestamp=ON`. Therefore, the first assertion in the service exactly-one policy is not expecting the `Timestamp` in the request, yet the second assertion does expect it. In this case, the first assertion gets executed and the response is sent with no `Timestamp`. However, the client-side processing then fails because it expects the `Timestamp` that was sent in the request.

This limitation can exist with any cases where a client policy expects a greater number of elements to be signed and a service policy does not.

14.14 Ignore "Services Compatibility" Error for Security Policies Used Between Oracle WSM and WebLogic Server

Fusion Middleware Control may display a false error message when verifying compatibility of service policies. This incompatibility message is shown when using Enterprise Manager to attach an Oracle WSM Security client policy. Upon clicking the **Check Services Compatibility**, a message states that policies are incompatible despite the fact that these might be compatible.

Workaround:

If WSM policies are attached at the Web service endpoint, use the corresponding client policy. For example, if the service has `wss11_saml_or_username_token_with_message_protection_service_policy`, `wss11_saml_token_with_message_protection_client_policy` or `wss11_username_token_with_message_protection_client_policy` will work at the client side. If non-WSM policies are attached to the Web Service, see the *Interoperability Guide for Oracle Web Services Manager* for information about the corresponding client policy and attach it.

14.15 Compatible Policies Not Returned When Using JDeveloper Wizard to Attach Oracle WSM Policies to Web Service Client

During design time, the JDeveloper Wizard's option for **Attaching Oracle WSM Policies to Web Service Clients** might not return any compatible policies. This can occur due to one of the following reasons:

- There are no compatible client policies corresponding to the service policies published in the WSDL.
- In some cases, when you are trying to determine the compatible client policies in version 11.1.1.4 of JDeveloper running with Fusion Middleware Control Enterprise Manager that correspond to the service policies published in the WSDL of the Web service in version 11.1.1.3 or earlier.

Workaround:

Disable the **Show only the compatible client policies for selection** option in the JDeveloper Wizard. This will list all the client policies.

If Oracle WSM policies *are attached* to the Web service, use the corresponding client policy. For example, if the service has the policy `wss11_saml_or_username_token_with_message_protection_service_policy`, it is safe to assume that `wss11_saml_token_with_message_protection_client_policy` or `wss11_username_token_with_message_protection_client_policy` will work at the client side.

If WSM policies are *not attached* to the Web service, refer to the *Interoperability Guide for Oracle Web Services Manager* for instructions on determining the corresponding client policy and attaching it.

14.16 SAML Bearer Token Policies Now Signed by Default

A new property, `saml.enveloped.signature.required`, is available when configuring `wss_saml_token_bearer_over_ssl` policies (both client and service). In releases prior to 11.1.1.4, the SAML bearer token was unsigned by default. In the 11.1.1.4 release and later, the SAML bearer token is signed because the default value for the `saml.enveloped.signature.required` property is `true`.

To retain the behavior of the releases prior to 11.1.1.4, set the `saml.enveloped.signature.required` property to `false` in both the client and service policies. The SAML bearer token is signed using the domain sign key, but it can be overridden using the `keystore.sig.csf.key` property set in the bearer client policy.

The affected policies are:

- `wss_saml20_token_bearer_over_ssl_client_policy`
- `wss_saml_token_bearer_over_ssl_client_policy`
- `wss_saml20_token_bearer_over_ssl_service_policy`
- `wss_saml_token_bearer_over_ssl_service_policy`

14.17 Security Policies Do Not Work on Subscriber Mediator Component

Component Authorization denyall policy does not work at subscriber mediator component. Authorization policy works for other normal mediator component cases.

14.18 Policy Table Might Not Show Attached Policies for Some Locales

Select the Web service application in Fusion Middleware Control and navigate to the Web service endpoint. Attach a policy to the endpoint in the Attach/Detach page. Sometimes the Directly Attached Polices table might not display the attached policies for the following locales: zh-cn, zh-tw, ja, pt-br, es, fr, ko.

As a workaround, enlarge the columns.

14.19 Manual Step Required to Uptake Changes in Predefined Policy

The oracle/wss11_saml_or_username_token_with_message_protection_service_policy now includes five assertions as described in "Configuring a Policy With an OR Group" in *Oracle Fusion Middleware Security and Administrator's Guide for Web Services*:

- wss_saml_token_bearer_over_ssl (new)
- wss_username_token_over_ssl (new)
- wss_http_token_over_ssl (new)
- wss11_saml_token_with_message_protection (existing)
- wss11_username_token_with_message_protection (existing)

To take advantage of these additional assertions, you need to upgrade the Oracle WSM policies in the repository using the `resetWSMPolicyRepository(false) WLST` command. Note that executing this command will upgrade all of the predefined policies to the latest version provided in 11.1.1.6. For additional information, see "Upgrading the Oracle WSM Policies in the Repository" in *Oracle Fusion Middleware Security and Administrator's Guide for Web Services*.

14.20 Usage Tracking Not Enabled for WebLogic Web Service Client

In this release, usage tracking and analysis is not provided for WebLogic Java EE Web service clients.

14.21 Do Not Attach a Permitall and Denyall Policy to the Same Web Service

Although you can attach multiple authorization policies to the same Web service, you should not attach both a permitall and denyall policy. If you do so, however, the combination validates successfully in this release.

Workaround:

Do not attach a permitall and denyall policy to the same Web service. For more information about authorization policies, see "Authorization Policies and Configuration Steps" in *Oracle Fusion Middleware Security and Administrator's Guide for Web Services*.

14.22 Additional Quotes in Fusion Middleware Control for Run-time Constraint Input from WLST

When you specify a run-time constraint using WLST, as described in "Specifying Run-time Constraints in Policy Sets" in *Oracle Fusion Middleware Security and Administrator's Guide for Web Services*, you must specify the constraint using quotes, for example `setPolicySetConstraint('HTTPHeader("VIRTUAL_HOST_TYPE",`

"external" '). If you then use Fusion Middleware Control to view and edit the policy set constraint, the constraint is shown with the quotes in the Constraint Name and Constraint Value fields. You need to remove the quotes in these fields.

14.23 Scoped Configuration Override Persists for Subsequent References to the Same Policy

When using a scoped configuration override for the server side identity/encryption key (`keystore.enc.csf.key`) with a message protection policy, the override value is stored in the policy. Because the policy is cached, any subsequent references to this policy by other services will contain the override value. Therefore, the results will not be as expected.

Two examples of this scenario are as follows:

- An Oracle Infrastructure Web service has an attached message protection service policy. Both the service identity (service public encryption key, `keystore.enc.csf.key`) and the service message protection policy are advertised in the service WSDL. If the service encryption key is overwritten, using the global `setPolicySetOverride` command for example, then the scoped overwritten value for the `keystore.enc.csf.key` property that was intended for the specific attachment/reference of the initial service may affect other services attachments/references to the same policy.
- A SOA service composite has an attached message protection service policy and both the service identity (server public encryption key `keystore.enc.csf.key`) and the service message protection policy are advertised in the service WSDL. If the service encryption key is overwritten, for example, using JDeveloper to override `keystore.enc.csf.key` while building the service composite, then the scoped overwritten value for the `keystore.enc.csf.key` property that was intended for the specific attachment/reference of the initial service may affect other services attachments/references to the same policy.

Workaround

The recommended workaround is to perform a cache refresh when possible. For example, if a policy attachment/reference has a scoped override for the property `keystore.enc.csf.key` and it has been enforced or advertised once, the cached policy contains the override, however the original policy in the repository is not affected. To clear the override you can refresh the cache using methods such as restarting the server, redeploying the application, modifying the policy using Fusion Middleware Control, and so on.

In some scenarios, however, a cache refresh is not feasible. For example, if a service with a policy attachment/reference has a scoped override for the property `keystore.enc.csf.key` and it is enforced before other services that reference the same policy in a flow of execution that does not allow time for a manual cache refresh, then the policy in the cache referenced by the subsequent services contains the configuration override. For example, in an asynchronous service where the same policy is attached to both the asynchronous request and the asynchronous callback client, and only the asynchronous request attachment/reference has the override (the asynchronous callback does not), the asynchronous callback policy enforcement happens after the asynchronous request. In this case, the callback client accesses the policy in the cache that contains the configuration override. Since there is no opportunity to refresh the cache, there is no workaround available.

14.24 New Default Settings for Policies

For the following predefined policies, the default values for the `Nonce Required` and `Creation Time Required` settings are set to `False` in this release (these settings were `True` in past releases):

- `wss_saml_or_username_token_over_ssl_service_policy`
- `wss_username_token_over_ssl_service_policy`
- `wss11_saml_or_username_token_with_message_protection_service_policy`

Users should take into consideration that the nonce and created elements in the username token will be ignored by the service policy. This change, however, will not impact the security of your Web service. If you wish to maintain the old behavior, create a copy of the policy and set the values to `True`, as described in "Creating a Web Service Policy from an Existing Policy" in *Oracle Fusion Middleware Security and Administrator's Guide for Web Services*.

For more information about the policies, see "Predefined Policies" in *Oracle Fusion Middleware Security and Administrator's Guide for Web Services*.

Note: If policy advertisement is configured to use `WS-SecurityPolicy` version 1.3, as described in "Policy Advertisement" *Oracle Fusion Middleware Security and Administrator's Guide for Web Services*, then no compatible client policy will be returned, but the runtime will be compatible. With default advertisement (for example, `wssp1.1`), client compatibility will operate as expected.

14.25 Restart Applications to Get an Accurate Policy Usage Count

If a policy that is being referred to by a Web Service is deleted and then re-imported, then its usage count will not be correct and application(s) must be restarted to obtain an accurate usage count.

14.26 Kerberos Policy Enforcement Throws an "Unable to Obtain Password from User" Error

This issue can occur if a Java EE client and service are using different keytabs, and both the client and the service are in same server. In this case, When the client invokes a Java EE service which is protected with Kerberos authentication policy, an "Unable to Obtain Password from User" error can be thrown. The error is thrown because the `Krb5LoginModule` implementation provided by the JDK caches only a single keytab.

To work around this issue, put the client and the service principal into a single keytab. This issue is not limited only to client and service pairs, but also to two Java EE clients running in same server. Thus, in all such cases, only a single keytab should be created that contains all of the required principals.

14.27 The migrateAttachments WLST Command Fails for WebLogic JAX-WS Web Services

The `migrateAttachments WLST` command migrates direct (local) policy attachments that are identical to the external global policy attachments that would otherwise be attached to each policy subject in the current domain.

In PS6, the `migrateAttachments` command will fail and throw an exception if the WebLogic Server JAX-WS Web service is deployed into the current domain.

Note: If the current domain does not have any deployed WebLogic JAX-WS Web services, then this command will work correctly.

To work around this problem, follow these steps:

1. Run the `listWebServices(detail='true')` command.
For more information about this command, see "listWebServices" in *Oracle Fusion Middleware WebLogic Scripting Tool Command Reference*.
2. From the output of the `listWebServices` command, determine which Web services have the same directly attached policies as the global policy attachments.
3. Run the `detachWebServicePolicy` command to remove the directly attached policies for each Web service or Web service client identified in Step 2.
For more information about this command, see "detachWebServicePolicy" in *Oracle Fusion Middleware WebLogic Scripting Tool Command Reference*.
4. Run the `listWebServiceClients(detail='true')` command.
For more information about this command, see "listWebServiceClients" in *Oracle Fusion Middleware WebLogic Scripting Tool Command Reference*.
5. From the output of the `listWebServiceClients` command, determine which Web service clients have the same directly attached policies as the global policy attachments.
6. Run the `detachWebServicePolicy` command to remove the directly attached policies for each Web service client identified in Step 5.

14.28 A Null Pointer Exception Could be Thrown When Verifying a SOAP Message Signature

A Null Pointer Exception could be thrown when verifying the SOAP message signature. This issue can be seen especially with message protection policies that use higher algorithm suites, where the default XML namespace is defined in the SOAP message. In the following example, `http://www.oracle.com/sb/qa/config` is the default namespace:

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns="http://www.oracle.com/sb/qa/config">
  <soap:Header></soap:Header>
  <soapenv:Body></soapenv:Body>
</soapenv:Envelope>
```

To work around this issue, do not use the default XML namespace in the SOAP message.

14.29 checkWSMstatus() WLST Command Fails Against a Domain When wsm-pm Targets Multiple Servers

The agent check does not perform correctly for scenarios where `wsm-pm` is targeted to multiple servers or in a cluster. Also, the agent check does not perform correctly if the `t3` port and HTTP port are different.

To perform an agent check for these scenarios, you must explicitly provide the value of the `address` argument. The `address` argument must be a valid HTTP URL with the host name and the port name of the server on which `wsm-pm` is running.

14.30 Performance Improvements in Web Services Policy Pages

Performance improvements have been made to the Web Services Policy pages in Fusion Middleware Control by removing the unnecessary role query.

14.31 Cross-Domain Policy Manager Configuration is Not Supported in this Release

Configuration to a Policy Manager in a remote domain is not supported in this release. Therefore, the procedures to connect to a remote Policy Manager, described in the following topics in *Oracle Fusion Middleware Security and Administrator's Guide for Web Services*, are not recommended in a production environment:

- Configuring a Web Service on a Remote Policy Manager and Tuning the Policy Cache
- Configuring Web Service Policy Retrieval

14.32 The setWebServicePolicyOverride WLST Command Does Not Apply to JAVA EE (WebLogic) Web Services

In this release, the `setWebServicePolicyOverride` command, as described in "Web Services Custom WLST Commands" in *Oracle Fusion Middleware WebLogic Scripting Tool Command Reference*, applies to Oracle Infrastructure Web Services and SOA composites only. The `wls` module type is not supported.

Part VII

Communication Services

Part VII contains the following chapters:

- [Chapter 15, "Oracle User Messaging Service"](#)
- [Chapter 16, "Oracle WebLogic Communication Services"](#)

Oracle User Messaging Service

This chapter describes issues associated with Oracle User Messaging Service. It includes the following topics:

- [Section 15.1, "General Issues and Workarounds"](#)
- [Section 15.2, "Configuration Issues and Workarounds"](#)

15.1 General Issues and Workarounds

This section describes general issue and workarounds. It includes the following topics:

- [Section 15.1.1, "UMS Schema Purge Script Now Available"](#)
- [Section 15.1.2, "Permission Grants for Upgraded Domains"](#)
- [Section 15.1.3, "XML File Handle Left Open after Upload Fails"](#)
- [Section 15.1.4, "Messages Metrics Rendered as Unavailable in the Performance Page for User Messaging Server"](#)
- [Section 15.1.5, "User Messaging Service URLs Unavailable After Restart"](#)
- [Section 15.1.6, "User Preferences User Interface Renders Improperly"](#)
- [Section 15.1.7, "UMS Cluster Failover May Lose Messages"](#)

15.1.1 UMS Schema Purge Script Now Available

A UMS schema purge script is available for your download and use. You can access the script and instructions for its use by contacting Oracle Support.

15.1.2 Permission Grants for Upgraded Domains

In order for Oracle User Messaging Service to run as a specific user, a code-based permission grant is required. This grant is pre-seeded in WebLogic domains that are created *after* the Fusion Middleware 11gR1 Patch Set 2 upgrade.

If you created a WebLogic domain prior to the Patch Set 2 upgrade, you must manually add this grant by running the following Oracle Platform Security Services (OPSS) WLST commands in online (connected) mode:

```
wls:/mydomain/serverConfig>
grantPermission(codeBaseURL="file:${ums.oracle.home}/communications/modules/oracle.sdp.client_
11.1.1/-",
permClass="oracle.security.jps.JpsPermission",permTarget="IdentityAssertion",
permActions="execute")
```

```
wls:/mydomain/serverConfig>
grantPermission(codeBaseURL="file:${ums.oracle.home}/communications/modules/oracle.sdp.messaging_
11.1.1/-",
permClass="oracle.security.jps.JpsPermission",permTarget="IdentityAssertion",
permActions="execute")
```

See *Oracle WebLogic Fusion Middleware Scripting Tool Command Reference* for information regarding `grantPermission`

15.1.3 XML File Handle Left Open after Upload Fails

If an error occurs when uploading a user messaging preferences XML file using the WLST `manageUserMessagingPrefs` command, the XML file handle is left open. On the Microsoft Windows platform, this file cannot be deleted until you exit the WLST shell.

15.1.4 Messages Metrics Rendered as Unavailable in the Performance Page for User Messaging Server

When no metric data is found (for example when no messages have been sent or received after server setup), the Metrics Performance page will display *Unavailable*. This is not a problem with the software, and the Performance reporting is operating properly. As soon as *Send* and *Receive* traffic exists, the Performance page will display results normally.

15.1.5 User Messaging Service URLs Unavailable After Restart

Upon restarting the User Messaging Service server (*usermessagingserver*) from Oracle Enterprise Manager Fusion Middleware Control or through Oracle WebLogic Console, you may get an error: `Error 503--Service Unavailable` when attempting to access any URLs served by the User Messaging Service server, such as the User Preferences UI (*/sdpmessaging/userprefs-ui*) or the various Web Services endpoints. This error occurs intermittently in cases when the Oracle WebLogic Server is heavily loaded (such as with a SOA instance). To work around this issue:

- Restart the User Messaging Service server again (two or more restarts may be required).
- If multiple User Messaging Service server restarts are not sufficient, then restart the entire Oracle WebLogic Server instance.

15.1.6 User Preferences User Interface Renders Improperly

Intermittent UI rendering errors have been reported in some languages, due to the generation of a corrupted `.css` file. If you experience problems, follow these steps to work around the issue:

1. Delete the cached, auto-generated `.css` file for the affected locale (or simply, all locales) on the server located at `DOMAIN_HOME/servers/<server_name>/tmp/_WL_user/usermessagingserver/<random_name>/public/adf/styles/cache` and restart the *usermessagingserver* application using Oracle Enterprise Manager Fusion Middleware Control. Have all users clear their browser caches.

The next time the UI is accessed from a browser, a new `.css` file will be generated for the desired locale, and it is very likely that it will be a valid `.css` file. If not, repeat this process a couple of times.

2. If the previous solution does not work, disable content compression in the `web.xml` file of the User Preferences Web Module located at `DOMAIN_`

HOME/servers/<server_name>/tmp/_WL_user/usermessagingserver/<random_name>/sdpmessaginguserprefs-ui-web.war. In particular, extract web.xml, add the following <context-param/> to it:

```
<context-param>
  <param-name>org.apache.myfaces.trinidad.DISABLE_CONTENT_
  COMPRESSION</param-name>
  <param-value>true</param-value>
</context-param>
```

Then, re-archive it to the war module.

Finally, restart the *usermessagingserver* application using Oracle Enterprise Manager Fusion Middleware Control.

15.1.7 UMS Cluster Failover May Lose Messages

Since XA is not supported for UMS in 11gR1PS6, UMS cluster failover may lose messages.

15.2 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 15.2.1, "Enable Extension Driver after Upgrade"](#)
- [Section 15.2.2, "Preseeded Channel for Worklist and Pop-up Drivers Cannot be Removed"](#)
- [Section 15.2.3, "Worklist Driver Configuration"](#)
- [Section 15.2.4, "Migrate Custom Business Terms After PS3 Patch"](#)
- [Section 15.2.5, "Use Correct SSL Trust Store When Configuring Drivers"](#)
- [Section 15.2.6, "User Messaging Service Driver Configuration Changes Not Immediately Effective"](#)
- [Section 15.2.7, "Email Notifications Sent Even if You Do Not Change Default Parameters in driverconfig.xml"](#)

15.2.1 Enable Extension Driver after Upgrade

When you upgrade to the current release, you must complete the following manual configuration steps in order to enable use of the Extension driver:

1. Stop all servers in the domain.
2. Add this .jar file to the classpath of the domain:

```
$UMS_ORACLE_HOME/communications/modules/usermessaging-config_11.1.1.jar
```

This can be done by modifying the `setDomainEnv.sh/setDomainEnv.cmd` in the domain's bin folder. That is, the `POST_CLASSPATH` variable is updated like this:

```
POST_CLASSPATH="${UMS_ORACLE_HOME}/communications/modules/usermessaging-config_
11.1.1.jar${CLASSPATHSEP}${POST_CLASSPATH}"export POST_CLASSPATH
```

3. From the template .jar file at `$UMS_ORACLE_HOME/common/templates/applications/oracle.ums_template_11.1.1.jar` extract the .xml files:

```
/config/fmwconfig/usermessagingconfig.xml
/config/fmwconfig/mbeans/ums-mbeans.xml
```

4. Copy these two .xml files into the domain's *config* and *fmwconfig* folders:

```
$DOMAIN_HOME/config/fmwconfig/usermessagingconfig.xml
$DOMAIN_HOME/config/fmwconfig/mbeans/ums-mbeans.xml
```

5. Start the servers.
6. Deploy the UMS Extension Driver by executing the WLST driver deployment command. For example:

```
wls:/emsoa/serverConfig>
deployUserMessagingDriver(baseDriver='extension',appName='extension',
targets='soa_server1')
```

The UMS Extension Driver is now enabled.

15.2.2 Preseeded Channel for Worklist and Pop-up Drivers Cannot be Removed

If you deinstall the Worklist or Pop-up driver, the preseeded channel for these drivers cannot be removed. The preseeded channel will remain available in your preference list.

15.2.3 Worklist Driver Configuration

While following the Worklist Driver configuration instructions, you may see that *Oracle User Messaging Service for SOA* in the Configuration Wizard is not selected, leading you to think that it is not configured and that you must select and configure it. This is not the case. The basic Oracle User Messaging Service is already configured, along with a few UMS drivers.

Continue to follow the documented instructions, and disregard the fact that the *Oracle User Messaging Service for SOA* option is unselected.

15.2.4 Migrate Custom Business Terms After PS3 Patch

After installing the PS3 patch, you must re-create any custom-built business terms using Oracle Enterprise Manager Fusion Middleware Control. A copy of the custom-built business terms is available at: `$DOMAIN_HOME/config/fmwconfig/servers/<ServerName>/applications/usermessagingserver/configuration/businessterms.xml.bak`

Restart your servers after making any changes!

Note: New, pre-seeded business terms have been introduced in this release. Do not overwrite the upgraded (PS3) file with a PS1 backup (the new terms will be lost, otherwise).

15.2.5 Use Correct SSL Trust Store When Configuring Drivers

Before configuring any User Messaging Service Driver (such as the Email Driver), to connect to a remote gateway using SSL, ensure that the SSL Trust Store is properly configured as described in "Configure Keystores" in *Oracle Fusion Middleware Oracle WebLogic Server Administration Console Online Help*.

Ensure that the value of the JVM system property (`javax.net.ssl.trustStore`) set in `$DOMAIN_HOME/bin/setDomainEnv.sh` (or Windows equivalent file) points to the correct trust store that you want to use. The Java Standard Trust Store is located at:

```
$JAVA_HOME/jre/lib/security/cacerts or $BEA_JAVA_
HOME/jre/lib/security/cacerts
```

Note that with the default out-of-the-box configuration of SSL trust store, the UMS driver will not be able to connect to the Oracle Beehive Email Server over SSL. To resolve this issue, follow the instructions for using the correct SSL trust store. Replacing the `DemoTrust` keystore in the `setDomainEnv.sh` file (or Windows equivalent file) with the Java Standard SSL trust store will enable UMS email driver to connect successfully over SSL to the Oracle Beehive Email Server.

15.2.6 User Messaging Service Driver Configuration Changes Not Immediately Effective

When you change a driver's configuration and then restart the driver, the changes will not take effect until all managed connections in the pool are destroyed (900 seconds [15 minutes] by default). Take one of these actions to ensure that the connections are destroyed:

- When performing driver configuration changes, stop the driver application and wait for 15 minutes. Then re-start the driver application.

Note: If you follow this recommendation and the wait time of 900 seconds (15 minutes) is too long, you can reduce the time using the Oracle WebLogic Server Administration Console as follows:

1. Click **Deployments**.
2. Select the desired User Messaging Service Driver deployment.
3. Click the **Resource Adapter Type** module.
4. Click **Configuration > Outbound Connection Pools**.
5. Click the **DriverConnectionFactory** group.
6. Click **Connection Pool**.
7. Edit the value of *Shrink Frequency Seconds* (for example, set to *120 seconds*).
8. Click **Save**, and save the changes to a deployment plan file when prompted.
9. Restart the User Messaging Service driver deployment to include the new plan.

Remember that if *Shrink Frequency* is reduced to a short interval, it may eventually have a negative impact on the performance of the driver as idle connections will be recycled frequently.

OR

- Restart the entire Oracle WebLogic Server after performing driver configuration changes. The new changes will take effect immediately upon server re-start.

15.2.7 Email Notifications Sent Even if You Do Not Change Default Parameters in `driverconfig.xml`

Instructions for notification configuration include setting your outgoing server parameters. Please note that if you do not change the parameters (that is, if you leave

the default setting unchanged), notifications may still be sent. This is expected behavior, but you should not rely on the default settings without verifying them. You should set your parameters to ensure that they are correct.

Oracle WebLogic Communication Services

This chapter describes issues associated with Oracle WebLogic Communication Services (OWLCS). It includes the following topics:

- Section 16.1, "General Issues and Workarounds"
- Section 16.2, "Configuration Issues and Workarounds"
- Section 16.3, "Documentation Errata"

16.1 General Issues and Workarounds

This section describes general issue and workarounds. It includes the following topics:

- Section 16.1.1, "Active SIP Session and APP Session Count Show as -1 in Clustered Configuration"
- Section 16.1.2, "Oracle WebLogic Server Pack/Unpack Tool Does Not Function in OWLCS"
- Section 16.1.3, "Oracle WebLogic Server Cloning Tool Does Not Function in OWLCS"
- Section 16.1.4, "Messages Metrics Rendered as Unavailable in the Performance Page for User Messaging Server"

16.1.1 Active SIP Session and APP Session Count Show as -1 in Clustered Configuration

In the Administration Console, the **Monitoring** -> **General** tab displays *Undefined* for the Active SIP Session Count and Active Application Session Count attributes when monitoring a replicated WebLogic SIP Server deployment. There is currently no workaround for this problem.

16.1.2 Oracle WebLogic Server Pack/Unpack Tool Does Not Function in OWLCS

The Pack/Unpack tool in Oracle WebLogic Server does not work in this OWLCS release. There is no workaround currently available.

16.1.3 Oracle WebLogic Server Cloning Tool Does Not Function in OWLCS

The Cloning tool in Oracle WebLogic Server does not work in this OWLCS release. There is no workaround currently available.

16.1.4 Messages Metrics Rendered as Unavailable in the Performance Page for User Messaging Server

When no metric data is found, for example when no messages have been sent or received after server setup, the Metrics Performance page will display *Unavailable*. This is not a problem with the software, and the Performance reporting is operating properly. As soon as *Send* and *Receive* traffic exists, the Performance page will display results normally.

16.2 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 16.2.1, "Launch_sash Option Error"](#)
- [Section 16.2.2, "Same User Who Installed WLS/WLSS Product Must Perform Uninstall"](#)
- [Section 16.2.3, "Uppercase Usernames Cause Reregistration and Presence Subscription Failures"](#)
- [Section 16.2.4, "Running the uninstall.sh Script in Text Mode Does Not Uninstall the Product"](#)
- [Section 16.2.5, "SIP Monitor in F5 Networks BigIP Does Not Work in UDP Mode"](#)
- [Section 16.2.6, "SIP Container Does Not Bind to IPV6 Interfaces for Listening on Windows"](#)
- [Section 16.2.7, "JAWS Unable to Read Some Install Screens"](#)
- [Section 16.2.8, "Configure VoiceXML Driver Receive URLs Correctly"](#)

16.2.1 Launch_sash Option Error

An error has been reported when using the `launch_sash` command with the `-e` option. For example:

```
MW_HOME/user_projects/domains/base_domain/bin/launch_sash.sh -p 8001 -n  
weblogic -w welcome1 -a presenceapplication -e "xcap appusage list"
```

does not properly process the `xcap appusage list` argument because the double quote (") is mishandled.

To work around this problem, issue the command at the `sash` prompt directly.

16.2.2 Same User Who Installed WLS/WLSS Product Must Perform Uninstall

In order to perform a clean uninstall, ensure that the same user (privileges) who accomplished the install also accomplishes the uninstall.

16.2.3 Uppercase Usernames Cause Reregistration and Presence Subscription Failures

When a user is created with an uppercase username, then the following occurs:

- Initial registration progresses normally, resulting in successful registration with Oracle Communicator.
- Presence subscriptions fails.

- After a few minutes, Oracle Communicator displays `Server Refused Registration (403)`.
- User's account is locked and sign-in is blocked for 30 minutes.

To work around this issue, set *Trusted Authentication Hosts* for the SIP Container by doing the following (from the Administration Console):

1. Click **SipServer** in the left pane.
2. Click the **SIP Security** tab.
3. In *Trusted Authentication Hosts*, add the IP address of your server (that is running OWLCS).
4. Save and restart OWLCS.

Note: Using this workaround, presence functionality will fail for clients running on the same machine as the OWLCS server. Such cases (both Oracle Communicator and server running on the same machine) are mostly for demonstration and development environments. For these cases, ensure you create users with lowercase usernames.

Reregistration and presence subscription failures can also occur when users are created with `privateId` being different than the username part of the `publicId`.

For example, if `privateId` is `test.user1` and `publicId` is `sip:test.user1@example.com`, everything works because `test.user1` is the username part of the `publicId` `sip:test.user1@example.com`.

But if `privateId` is `tuser1` and `publicId` is `sip:test.user1@example.com`, the username part of the `publicId` is not the same as `privateId`. In this case, the first registration succeeds with Oracle Communicator, but reregistrations and presence subscriptions fail. Apply the same workaround (configure trusted host as described above) to resolve this issue.

16.2.4 Running the `uninstall.sh` Script in Text Mode Does Not Uninstall the Product

Perform uninstallation using the Administration Console to ensure that all components are uninstalled. Ensure that you use the same user privilege as when you installed.

16.2.5 SIP Monitor in F5 Networks BigIP Does Not Work in UDP Mode

When using the F5 Networks BigIP load balancer for a cluster of SIP engines and the SIP monitor in BigIP is used for failure detection, it must be configured to operate (sending `OPTIONS` requests) over TCP and not UDP. UDP mode will not work (the pool will indicate that the servers are down).

16.2.6 SIP Container Does Not Bind to IPV6 Interfaces for Listening on Windows

Due to limitations in the Windows IPv6 stack, the SIP Container cannot bind to IPv6 sockets for listening.

16.2.7 JAWS Unable to Read Some Install Screens

Due to an issue with the OWLCS Core Platform CIE-based installer, the JAWS tool cannot correctly read the installation screens. To work around this issue, you must run

the installer in silent mode. For information on Silent Mode installation, see *Oracle WebLogic Communication Services Installation Guide*.

16.2.8 Configure VoiceXML Driver Receive URLs Correctly

In a clustered (high-availability) environment with Oracle HTTP Server (OHS) configured, do not use the OHS port to configure the VoiceXML Driver Receive URLs. Using the OHS port to configure the VoiceXML Driver Receive URLs will cause a conflict with the drivers.

Each Voice XML Driver must be configured with its own WLS server's port (as described in the parameters' documentation).

16.3 Documentation Errata

This section details changes to the documentation since the last release. Topics include:

- [Section 16.3.1, "Create a Basic SIP Domain"](#)
- [Section 16.3.2, "Create a Custom AUID with OCP \(Presence\)"](#)
- [Section 16.3.3, "Cannot Create a SIP Server Domain Using Default WebLogic Platform Components"](#)
- [Section 16.3.4, "Broken Documentation Links in Some \(SIP Server\) Translated Files"](#)
- [Section 16.3.5, "Missing \(SIP Server\) Online Help Regarding Security Providers"](#)

16.3.1 Create a Basic SIP Domain

Directions for creating a basic SIP Domain have changed slightly in this release. Please ensure that you follow these steps:

1. Start the configuration wizard located at `WLS_HOME/wlserver_10.3/common/bin/config.sh`. This location has changed since the last release.
2. Select *Create a New WebLogic Domain*, and click **Next**.
3. Select *Basic WebLogic SIP Server Domain*, and click **Next**.

The rest of the process remains the same as before when creating a WLS Domain.

16.3.2 Create a Custom AUID with OCP (Presence)

Follow these steps to create custom AUIDs:

1. View the XML file for presence rules (`presrules_au.xml`). It is found in one of the following locations, depending on your installation:

```
$ORACLE_HOME/j2ee/ocms/config/sdp/xcap  
$ORACLE_HOME/j2ee/home/config/sdp/xcap
```

The file contains the following:

- Name of the application (pres-rules)
 - Mime type
 - User Quota
 - List of schemas associated with the application's XML files
2. Create a similar file for the new application usage

3. For all the XSD files listed in the XML file above, create the XSD files and copy them to the XCAP config location mentioned in Step 1 above.
4. `cd $ORACLE_HOME/sdp/bin`
5. `./launch_sash.sh -a presenceapplication`
6. Provide admin credentials. At the sash prompt enter:


```
xcap appusage create applicationUsage=<new application usage name>
configurationFilename=<name of application usage XML file>
```

For instance, this command was run to create the pres-rules application usage:

```
xcap appusage create applicationUsage=pres-rules
configurationFilename=presrules_au.xml
```

7. To provision users for the new application usage, at the sash prompt enter:


```
xcap user add userName=<string> applicationUsage=<new application usage name>
.
<string> is of the form username@example.com (replace example.com with domain
for the deployment)
```

16.3.3 Cannot Create a SIP Server Domain Using Default WebLogic Platform Components

When running `config.sh` for SIP Server domain configuration, you can choose whether to use *WebLogic Platform Components* or a *Custom Template*. The default for Select Domain Source is to use *WebLogic Platform Components*. In previous releases, this selection worked, but does not in this release. You must select *Custom Template* in order to create a SIP Server domain.

16.3.4 Broken Documentation Links in Some (SIP Server) Translated Files

Some links to additional documentation were removed in the English language version, but broken links in translated (languages other than English) have been reported. These broken links are being addressed.

16.3.5 Missing (SIP Server) Online Help Regarding Security Providers

Online Help regarding Security Providers is not included. Oracle SIP Server, including information about security providers, is licensed and documented through OCCAS. Please consult your OCCAS documentation for more information.

Part VIII

Oracle Identity Management

Part VIII contains the following chapters:

- Chapter 18, "Oracle Access Manager"
- Chapter 17, "Oracle Adaptive Access Manager"
- Chapter 28, "Oracle Authentication Services for Operating Systems"
- Chapter 26, "Oracle Directory Integration Platform"
- Chapter 19, "Oracle Entitlements Server"
- Chapter 20, "Oracle Identity Federation"
- Chapter 21, "Oracle Identity Manager"
- Chapter 22, "Oracle Identity Navigator"
- Chapter 23, "Oracle Internet Directory"
- Chapter 24, "Oracle Platform Security Services"
- Chapter 25, "SSL Configuration in Oracle Fusion Middleware"
- Chapter 27, "Oracle Virtual Directory"

Oracle Adaptive Access Manager

This chapter describes issues associated with Oracle Adaptive Access Manager. It includes the following topics:

- [General Issues and Workarounds](#)
- [Policy Management Issues and Workarounds](#)
- [Transaction Issues and Workarounds](#)
- [Knowledge-Based Authentication Issues and Workarounds](#)
- [Integration Issues and Workarounds](#)
- [Reporting Issues and Workarounds](#)
- [Configuration Issues and Workarounds](#)
- [Customer Care Issues and Workarounds](#)
- [Performance Issues and Workarounds](#)
- [Geolocation Data Loader Issues and Workarounds](#)
- [Multi-Language Support Issues and Workarounds](#)

17.1 General Issues and Workarounds

This section describes general issues. It includes the following topics:

- [OAAM Sessions is Not Recorded When IP Address from Header is an Invalid IP Address](#)
- [Checkpoint Boxes in Session are Displayed with Same Timestamp](#)
- [Autogenerated Agent Cases Display User Specific Data](#)

17.1.1 OAAM Sessions is Not Recorded When IP Address from Header is an Invalid IP Address

OAAM sessions were not recorded for some header-based IP addresses.

Header based IP addresses are not accepted by default. To enable the reading of IP addresses from the header, set `vcrypt.tracker.ip.detectProxiedIP` to `true`. When header IP addresses are enabled, only valid IP addresses are used. If the header contains an invalid IP address, the actual request IP address is used.

17.1.2 Checkpoint Boxes in Session are Displayed with Same Timestamp

The same timestamp is displayed in **Checkpoint** boxes in the Session Details page when multiple transactions are triggered in the same session. This bug has been fixed for OAAM Online.

17.1.3 Autogenerated Agent Cases Display User Specific Data

When an OAAM Agent Case is autogenerated from a Configurable Action, the User Details pane is populated with details of the user for the session where the case was created. An autogenerated Agent case should not contain user-specific data. Only Escalated Agent cases should display user details since they are the only cases specific to a single end user.

17.2 Policy Management Issues and Workarounds

This section describes policy management issues and workarounds. It includes the following topics:

- [Rule Condition Check Current Transaction Using the Filter Conditions Cannot Be Configured for Corresponding Attributes of Two Entity Instances](#)
- [Rule Condition to Check Consecutive Transactions Fails Entity Check](#)
- [Exclude IP List Parameter for User and Device Velocity Rule Conditions](#)
- [OAAM Offline Displays Only the Last Rule Executed Overwriting Previous](#)
- [User: Check First Login Time Rule Condition Always Triggers](#)

17.2.1 Rule Condition Check Current Transaction Using the Filter Conditions Cannot Be Configured for Corresponding Attributes of Two Entity Instances

When two instances of an entity are associated to an OAAM Transaction and a filter condition is set up to compare an attribute of one entity instance with the corresponding attribute of the other entity instance, the OAAM Administration Console can only configure a comparison between the same attribute instead of a comparison between the different attributes.

For example:

Two instances of the Address entity are associated with a Transaction, one with the instance name `BillingAddr` and another with the instance name `ShippingAddr`. If the user configures Check Current Transaction using the filter condition to compare `Billing.line1` with `ShippingAddr.line1`, after saving the rule, the OAAM Administration Console always shows the instance `--- line1` of `BillingAddr` in the dropdown for the attribute the user wants to compare and the dropdown for the attribute the user is comparing to.

17.2.2 Rule Condition to Check Consecutive Transactions Fails Entity Check

The rule condition `TRANSACTION: Check if consecutive Transactions in given duration satisfies the filter conditions` does not trigger. The condition returns `False` and the entity check fails with exceptions in the debug log.

17.2.3 Exclude IP List Parameter for User and Device Velocity Rule Conditions

The `Exclude IP List` parameter was added to the following conditions:

- Device: Velocity from last login
- User: Velocity from last login

This parameter allows you to specify a list of IP addresses to ignore. If the user's IP address belongs to that list, then this condition always evaluates to `false` and no action and/or alert is triggered. If the user's IP address is not in that list or if the list is null or empty, then the condition evaluates the velocity of the user or the device from the last login. If the velocity of the user or the device from the last login is more than the configured value in the rule, the condition evaluates to `true` and the condition is triggered.

17.2.4 OAAM Offline Displays Only the Last Rule Executed Overwriting Previous

When multiple transactions are run in the same session, only the rule triggered for the last transaction is displayed in OAAM offline. The rules from the previous transactions are overwritten. To fix this bug, you must apply the patch and update the database schema.

17.2.5 User: Check First Login Time Rule Condition Always Triggers

The User: Check first login time condition returned the same value regardless of when the user logged in.

17.3 Transaction Issues and Workarounds

This section describes OAAM Transaction issues. It includes the following topics:

- [OAAM Displays Only the Last Rule Executed and Overwrites Previous Rules](#)
- [OAAM Shows Only 25 Transactions in Session Details](#)
- [Alerts Are Not Displayed Beyond 25 Transactions](#)
- [OAAM Transaction Cannot Be Created with Numeric Parameter of More than 16 Digits](#)
- [Transactions in Session Details Duplicated After 25](#)
- [Transaction ID Association with Alert Does Not Work](#)
- [OAAM Console Does Not Display Transaction Status](#)
- [Transaction Mapping Substring Error for First Character Value](#)
- [Update Time for Entity Is Updated Without Any Change in Entity Data](#)

17.3.1 OAAM Displays Only the Last Rule Executed and Overwrites Previous Rules

When multiple transactions are triggered in the same session which result in multiple alerts and policies execution, OAAM displays only the most recent alerts and policies triggered and overwrites the alerts and policies from previous transactions.

17.3.2 OAAM Shows Only 25 Transactions in Session Details

When there are more than 25 data elements configured for a transaction, the Session Details displays only transaction details for the first 25 items. The page has no scroll bars for scrolling.

17.3.3 Alerts Are Not Displayed Beyond 25 Transactions

Alerts are not visible for transactions beyond the 25th. If there are more than 25 checkpoint boxes containing alerts, they are not visible in the Session Details, although the data is seen in the database.

17.3.4 OAAM Transaction Cannot Be Created with Numeric Parameter of More than 16 Digits

If a user defines any numeric value more than 16 digits in a transaction field, the transaction creation fails with the error on the server of ORA-01438: value larger than specified precision allowed for this column.

17.3.5 Transactions in Session Details Duplicated After 25

Transactions listed in Session Transactions section of Session Details are duplicated after 25 transactions in a session.

17.3.6 Transaction ID Association with Alert Does Not Work

Transaction ID association with Alert is not working even after passing `transactionId` in `processRules` API. The bug has been fixed for the server-side.

17.3.7 OAAM Console Does Not Display Transaction Status

Transaction status needs to be displayed in the Transaction Details page so that the Fraud team will be able to see if a transaction was attempted but did not complete. This provides information on both the behavior of customers and fraudsters and also of the functioning of the rules. The Fraud team does not believe they can do their job effectively if they cannot tell the transaction status. The workaround is to display the status value for each transaction on the Session Transactions panel along with **Name**, **Transaction Id**, **Description**, and **Timestamp**. The value displayed would be mapped from the property `tracker.transaction.status.enum` (e.g. 1=Success, 99=Pending).

17.3.8 Transaction Mapping Substring Error for First Character Value

When the user performs a transaction mapping of the type `SubString`, the first character of the value is missing from the mapping result because the `oaam.transaction.mapping.startindex.min` property was set to 1. Setting the property to 1 starts the substring operation from the second character of the string. A fix has been made so that this property is assigned to 0 so that the substring operation starts from the first character of the string.

17.3.9 Update Time for Entity Is Updated Without Any Change in Entity Data

When using an entity that is mapped to a Transaction Definition in a transaction, the entity's update time is updated by the OAAM Server even if no changes were made to the entity data (other fields are not updated). Database performance is impacted when this occurs.

17.4 Knowledge-Based Authentication Issues and Workarounds

This section describes Knowledge-Based Authentication issues. It includes the following topics:

- [Registration Logic Page Does Not Display KBA Logic](#)

- [Answer Logic Abbreviation Resource Was Not Used](#)
- [Update KBA for FFIEC Compliance](#)
- [Closing Browser on Image and Security Phrase Registration Page](#)
- [OAAM Change Password Does Not Display Any Validation for Password Fields](#)
- [ORA-01722 Occurs During KBA Update](#)
- [Registered Questions Are Deleted and Subsequent Challenge Does Not Succeed](#)

17.4.1 Registration Logic Page Does Not Display KBA Logic

The KBA Registration Logic page does not display KBA Logic (Question per menu, Categories per menu, Number of questions the user will register) because the previous out of the box snapshot did not contain the properties for the KBA Registration Logic page. The patch fixes this problem. To effect this fix, the new out of the box snapshot file (`oaam_base_snapshot.zip`) needs to be imported. Note that importing this file will overwrite the existing content in the server.

If you do not want to import the snapshot file, but want to fix the registration logic related issue, you can create the following properties (with default values as shown):

```
challenge.question.registration.groups.categories.count=5
challenge.question.registration.groups.count=3
challenge.question.registration.groups.minimum.questions.per.category.count=1
challenge.question.registration.groups.questions.count=5
```

The patch also fixes the policy overrides in such a way that when the user fails the OTP challenge, the challenge does use KBA as a fallback. If you do not want to overwrite the contents but just import the newer policies, you can import `oaam_policies.zip` as a policies import. Importing the policies does not fix the registration logic related bug.

17.4.2 Answer Logic Abbreviation Resource Was Not Used

Answer Logic checks if the answer provided by the user matches closely to the ones provided during registration. Answer Logic relies abbreviations.

An updated Answer Logic abbreviations resource bundle is available in OAAM 11.1.1.5. In the new resource bundle, the following are considered a match:

Registered Answer	Given Answer
Missus	Mrs
Mister	Mr
Sergeant	Sgt
Mrs	Missus
Mr	Mister
Sgt	Sergeant

17.4.3 Update KBA for FFIEC Compliance

The following KBA questions from previous releases were deleted from the `kba_questions.zip` (English) file and `oaam_base_snapshot.zip` file for Federal Financial Institutions Examination Council (FFIEC) compliance:

Children Category

Delete or deactivate the following 10 questions:

- What year was your oldest child born?
- What year did your oldest child start school?
- What year did your youngest child start school?
- What is your eldest child's middle name?
- What is the first name of your youngest child?
- What year was your youngest child born?
- What is the first name of your oldest child?
- What is your youngest child's birthday?
- What is your youngest child's middle name?
- What is your oldest child's birthday?

Education Category

Delete or deactivate the following 18 questions:

- What year did you graduate from high school?
- What year did you graduate from junior high school?
- What city was your high school in?
- What were your college colors?
- What year did you graduate from grade school?
- What was the mascot of your college?
- What were your high school colors?
- What was the mascot of your high school?
- What is the name of a college you applied to but did not attend?
- In what city was your first elementary school?
- What year did you start high school?
- What year did you start junior high school?
- What year did you start grade school?
- What year did you graduate from college?
- What year did you start college?
- What was your major in college?
- What was the first school you ever attended?
- What city was your college in?

Miscellaneous Category

Delete or deactivate the following 2 questions:

- What is the first name of your closest childhood friend?
- What is your height?

Parents, Grandparents, Siblings Category

Delete or deactivate the following 17 questions:

- What year was your father born?
- What is your father's birthday?
- What is your oldest sibling's nickname?
- In which city was your father born?
- In which city was your mother born?
- What is your parent's current street address number?
- What is your parent's current street name?
- What is your youngest sibling's nickname?
- What is your parent's current ZIP code?
- What year was your mother born?
- What are the last 4 digits of your parent's phone number?
- What is your maternal grandmother's first name?
- What is your paternal grandmother's first name?
- What is the first name of your youngest sibling?
- What is your paternal grandfather's first name?
- What is your mother's birthday?
- What is the first name of your eldest sibling?

Significant Other Category

Delete or deactivate the following 18 questions:

- Where did you go on your honeymoon?
- What year did you get married?
- What year was your significant other born?
- What is your significant other's birthday?
- What date is your wedding anniversary?
- In what city did you meet your spouse for the first time?
- What city was your significant other born in?
- What is the first name of your significant other's mother?
- What is the first name of your significant other's father?
- What is the last name of your significant other's eldest sibling?
- What is the first name of your significant other's youngest sibling?
- What high school did your significant other attend?
- What was the last name of your best man or maid of honor?
- What was the first name of your best man or maid of honor?
- Name of the place where your wedding reception was held.
- What is your spouse's nickname?

- What state was your significant other born in?
- What is the last name of your significant other's youngest sibling?

Sports Category

Delete or deactivate the following 4 questions:

- What is the mascot of your favorite sports team?
- What are the colors of your favorite sports team?
- What team is the biggest rival of your favorite sports team?
- What is your all time favorite sports team?

Your Birth Category

Delete or deactivate the following 9 questions:

- What is the ZIP code where you grew up?
- Who was the US President when you were born?
- How old was your father when you were born?
- How old was your mother when you were born?
- What is the name of the hospital you were born in?
- What is the ZIP code of your birthplace?
- What is the holiday closest to your birthday?
- What state were you born in?
- What city were you born in?

17.4.4 Closing Browser on Image and Security Phrase Registration Page

If the user tries to register his security image and phrase for the first time and during the process, he closes his browser window on the registration and user preferences pages or returns to the login page, the last image and phrase presented are accepted as the default even if he has not explicitly chosen them by clicking the **Continue** button.

A fix has been made so that the image and phrase registration only saves the image and phrase after the user clicks **Continue** on the registration and user preferences pages.

17.4.5 OAAM Change Password Does Not Display Any Validation for Password Fields

The OAAM Change Password page in an OAAM and OIM integration does not display any validation for the Password field. The issues are as follows:

- If the user does not enter a password, but clicks **Submit**, there is no validation that the fields are empty
- If the user enters a new password and then the confirmation password, the password is accepted regardless of whether they are the same or different
- If the user changes his password, the old password is not validated to confirm that it is correct

17.4.6 ORA-01722 Occurs During KBA Update

An ORA-01722 error can occur when adding a new challenge question.

17.4.7 Registered Questions Are Deleted and Subsequent Challenge Does Not Succeed

If a user's question set contains a deleted question and/or if a user's registered questions contain a deleted question and/or if the KBA registration logic is out of alignment with the user's registered questions and question set (the number of questions/categories and so on), when the user tries to update his question set but cancels or closes the browser window or the session times out without saving, that user's existing questions are deleted from the database. The subsequent challenge does not succeed as the existing questions have been deleted.

This issue has been fixed so that now if a user's registered questions have been deleted in the process of resetting the questions, the user will be asked to re-register new ones on the next login.

17.5 Integration Issues and Workarounds

This section describes OAAM integration issues. It includes the following topics:

- [setupOAMTapIntegration.sh Does Not Set oaam.uio.oam.secondary.host.port](#)
- [OAAM Does Not Support Juniper Single Sign-On for Authentication and Forgot Password Flow](#)
- [Step Up Authentication Changes](#)
- [TAP: Incorrect Error Message](#)
- [OAAM 11g SOAP Timeout Exception Handling](#)
- [OAAM Should Call UserManager.Unlock\(\) in the Forgot Password Workflow](#)

17.5.1 setupOAMTapIntegration.sh Does Not Set oaam.uio.oam.secondary.host.port

The `setupOAMTapIntegration.sh` script does not set the secondary OAM host information (`oaam.uio.oam.secondary.host.port` value) during the configuration of Oracle Adaptive Access Manager for the Oracle Access Manager and Oracle Adaptive Access Manager integration. The workaround is to set the property value through the property editor.

17.5.2 OAAM Does Not Support Juniper Single Sign-On for Authentication and Forgot Password Flow

The OAAM Authentication flow is not invoked when integrated with Juniper SSL. With invoking OAAM, the integration can detect fraud and determine risk during the authentication flow and accordingly strongly authenticate the user using OAAM capabilities like Challenge, Block, and other actions. The Juniper SSL and OAAM integration flow should be as follows:

1. The user tries to access a web application or URL that is secured by Juniper SSL, and Juniper SSL detects whether the user is authenticated or not.
2. If the user is authenticated then he is allowed to proceed to the web application.
3. If the user is not authenticated, he is redirected to the OAAM Server. The OAAM Server displays the User ID page and prompts the user to enter his User ID. Once the user enters his User ID, OAAM evaluates the Pre-Authentication checkpoint policies and checks to see if the user has to be blocked.
4. OAAM then checks to see if the user has registered for an Authentication Pad. If so, it displays the registered Authentication Pad, otherwise it displays a generic text pad.

5. OAAM Server displays the Password page with the Authentication Pad and prompts the user to enter his password. Once the password is entered, it is validated against the user store (the user store can be LDAP, Active Directory, or any active user store). It also identifies the device by running the device identification process.
6. If the credentials are incorrect then OAAM displays an error page and asks the user to enter his credentials again.
7. If the credentials are correct then OAAM evaluates Post-Authentication checkpoint policies. Based on the outcome of the policy OAAM might challenge or block the user.
8. If the outcome of Post-Authentication is ALLOW then OAAM determines if the user has to be registered. Based on the types of registration, OAAM takes the user through registration pages.
9. If the outcome of Post-Authentication is CHALLENGE and if the user is already registered for at least one of the challenge mechanisms, OAAM challenges the user. If the user is able to answer the challenge then he would be allowed to continue to the next step. As the next step OAAM fetches the user attributes from the user store and then creates the SAML response, signs it and then it posts to the Juniper SSL redirection URL. Juniper SSL then takes control, validates the SAML payload, and lets the user access the web application.
10. If the outcome of Post-Authentication is BLOCK then user would be blocked and he would not be able to access the web application.

17.5.3 Step Up Authentication Changes

The Step Up Authentication feature is available with OAAM. Step Up Authentication allows users who have been authenticated by OAM at a lower level to access resources protected by `OAAMTAPScheme` configured at a relatively higher authentication level. When the user tries to access a protected resource that is configured at a higher level, OAAM runs policies to determine how to further authenticate the user so as to gain the required level of authentication needed for access to the protected resource. The user is not taken to the normal login flow since he is already authenticated.

The property to disable/enable Step Up Authentication mode in TAP Integration: By default the Step Up Authentication mode is enabled. However if you want to disable this feature, then set property `oaam.uio.oam.integration.stepup.enabled` as `false`.

Change in behavior for the end user: For an end user using the Access Manager-OAAM TAP Integration, the change in behavior is as follows:

If a user has already been authenticated by Access Manager and he tries to access a resource protected under `TAPScheme` with OAAM as the TAP partner, the user is not taken to the OAAM login flow (since the user is already authenticated). However, OAAM runs its fraud detection policies and might ask challenge questions or block the user depending on the risk evaluated by the policies.

17.5.4 TAP: Incorrect Error Message

In Access Manager-OAAM TAP integration, when an incorrect user name or password is supplied, OAAM shows following error:

```
There was some technical error processing your request. Please try again
```


The patch fixes this problem: the error message now indicates an invalid user name or password error instead of a technical error.

17.5.5 OAAM 11g SOAP Timeout Exception Handling

The client calling Web services is not getting exceptions for timeouts. As a result the client cannot handle SOAP timeouts in a proper way because it cannot determine whether the exception is a SOAP timeout or any other faults. A fix has been implemented so that a specific error code for timeouts is passed to the client. The client can therefore handle the fault per the information contained in the exception.

The method `handleException()` has introduced a class `VCryptSOAPGenericImpl` which can be overridden to include more error codes based on business requirements. Currently it has been set for `sovertimeout` errors:

```
protected String handleException(String requestName, Exception ex, String
resultXml) {
```

17.5.6 OAAM Should Call `UserManager.Unlock()` in the Forgot Password Workflow

In the Forgot Password flow executed by OAAM in an Oracle Identity Manager and Access Manager integration, the user is not unlocked when he changes his password. When OAAM executes the `changePassword()` API, Oracle Identity Manager does not automatically unlock the user.

The following steps are needed to enable automatic unlocking of the user on the Oracle Identity Manager side when OAAM executes the `changePassword()` API during the Forgot Password flow:

1. Log in to the OAAM Administration Console.
2. In the navigation pane, click **Environment** and double-click **Properties**. The Properties search page is displayed.
3. Set `oaam.oim.passwordflow.unlockuser` to `true`.

By default this property value is set to `false`. By setting this property to `true` OAAM will call the `unlock` API of Oracle Identity Manager in the Change Password task flow.

17.6 Reporting Issues and Workarounds

This section describes OAAM BI Publisher reports and Sessions issues and workarounds. It includes the following topics:

- [Alert Message Link in Session Details Page Does Not Open the Alert Details](#)
- [OAAM Rules Breakdown Report Does Not Provide Correct Information](#)

17.6.1 Alert Message Link in Session Details Page Does Not Open the Alert Details

When the user tries to access an alert details page from an alert message link in the Session Details page, the page fails to open.

To work around this issue, use the alert message link on the Session Search page.

17.6.2 OAAM Rules Breakdown Report Does Not Provide Correct Information

The BI Publisher Rules Breakdown report does not give a summary of the rules which have been triggered by the checkpoint and policy. The values given are not complete or accurate.

For the report to work, run the following script:

```
create or replace view OAAM_FIRED_RULES_VIEW as (
select actionMap.create_time, ruleMaps.rule_map_id, actionMap.request_id,
actionMap.runtime_type,
    sessions.user_id, sessions.node_id, actionMap.action_list
from (select substr(attr_name, 7) ruleInstanceId, case when
length(trim(translate(attr_value, '+-.0123456789', ' '))) is null then
CAST(attr_value AS NUMBER(16)) else null end rule_map_id, fprint_id from
v_fp_map where attr_name like 'RLD_ID%') ruleMaps
    inner join vt_session_action_map actionMap on actionMap.rule_trace_fp_id =
=
ruleMaps.fprint_id
    inner join vcrypt_tracker_usernode_logs sessions on sessions.request_id =
actionMap.request_id
    inner join (select substr(attr_name, 11) ruleInstanceId, case when
length(trim(translate(attr_value, '+-.0123456789', ' '))) is null then
CAST(attr_value AS NUMBER(16)) else null end attr_value, fprint_id from
v_fp_map where attr_name like 'RLD_STATUS%') ruleStatus
    on ruleStatus.ruleInstanceId = ruleMaps.ruleInstanceId and
ruleStatus.fprint_id = ruleMaps.fprint_id
    where ruleStatus.attr_value=1
union select ruleLogs.create_time, ruleLogs.rule_map_id,
policySetLogs.request_id, policySetLogs.runtime_type,
    userNodeLogs.user_id, userNodeLogs.node_id, ruleLogs.action_list
from VR_RULE_LOGS ruleLogs
    inner join VR_MODEL_LOGS modelLogs on ruleLogs.MODEL_LOG_ID =
modelLogs.MODEL_LOG_ID
    inner join VR_POLICY_LOGS policyLogs on modelLogs.POLICY_LOG_ID =
policyLogs.POLICY_LOG_ID
    inner join VR_POLICYSET_LOGS policySetLogs on policyLogs.POLICYSET_LOG_ID =
=
policySetLogs.POLICYSET_LOG_ID
    inner join VCRYPT_TRACKER_USERNODE_LOGS userNodeLogs on
policySetLogs.REQUEST_ID = userNodeLogs.REQUEST_ID
```

```

where ruleLogs.status=1);
commit;

```

17.7 Configuration Issues and Workarounds

This section describes the following configuration issues and workarounds:

- [Database Archive and Purge Scripts Missing from Installation](#)
- [Juniper Login Fails Due to Incorrect CN Value and No UID Attribute in SAML Response](#)

17.7.1 Database Archive and Purge Scripts Missing from Installation

Case and monitor data purge scripts are missing from the `oaam_db_purging_scripts.zip` file.

For purging case data, the following scripts need to be included:

- `create_case_purge_proc.sql`

The `create_case_purge_proc.sql` script is required to set up the archive and purge routines for the Oracle database.

- `exec_sp_purge_case_data.sql`

The `exec_sp_purge_case_data.sql` is required to perform the archive and purge of case data.

For purging monitor data, the following scripts need to be included:

- `drop_monitor_partition.sql`

Customers who are using the Oracle table partitioning option and have no reporting database should run the `drop_monitor_partition.sql` script before setting up purging routine for monitor data.

- `exec_v_monitor_purge_proc.sql`

The `exec_v_monitor_purge_proc.sql` script calls the stored procedures to archive and purge data from device fingerprinting tables.

- `create_v_monitor_purge_proc.sql`

The `create_v_monitor_purge_proc.sql` script creates the `V_MONITOR_DATA_PURGE` table and the stored procedure `SP_V_MON_DATA_PURGE_PROC` to archive and purge data from the transaction table.

17.7.2 Juniper Login Fails Due to Incorrect CN Value and No UID Attribute in SAML Response

After successful authentication, OAAM obtains the user attributes from the user store and sends user attributes in a SAML assertion to Juniper. Juniper is set up to look for attributes to read from the SAML assertion to match the user in its repository. Then it logs the user in to the requested target page or web application.

In this bug, the user is unable to log in to Juniper via OAAM because Juniper fails to identify the user. OAAM did not fetch the correct `cn` (common name) value and it did not set the `uid` (User ID) attribute in the SAML response.

17.8 Customer Care Issues and Workarounds

This section describes customer care and investigation issues. It includes the following topics:

- [Investigator Role Overrides CSR Role When Both Roles Are Given to a User](#)
- [Scroll Bars Missing from Some Case Management Screens](#)
- [Case Search and Case Details Do Not Display Case Disposition](#)
- [Wrong User Attributed for Last Notes Added If Two Users Concurrently Update Case Notes](#)
- [Manually Created OAAM Agent Cases Cannot Be Searched by Username or User ID](#)
- [OAAM Allows Case Ownership Change and Add Notes Actions to Closed Case](#)
- [Create Agent Case Configurable Action Displays Wrong Name for Action](#)
- [KBA and OTP Failure Counter Reset and Unlock](#)

17.8.1 Investigator Role Overrides CSR Role When Both Roles Are Given to a User

When a user is given both the Investigator and CSR Access roles, the former overrides the access permissions of the latter and the user has only Investigator access and no CSR access. Expected behavior is that a user having both Investigator and CSR access, should be able to perform Investigator and CSR tasks.

17.8.2 Scroll Bars Missing from Some Case Management Screens

Users with low resolution monitors are not able to see details in full in the Case Details page. Details refer to those available based on a user's role. The Case Details page required scroll bars so that a users with low resolution monitors can see all details.

17.8.3 Case Search and Case Details Do Not Display Case Disposition

After an OAAM Agent case is closed with a disposition of `Confirmed Fraud`, the agent can locate the case by searching by deposition but `Confirmed Fraud` is not displayed in the Case search page even after adding **Disposition** as a column to display. When the Case Details page of the same case is opened, the field is empty for **Disposition**.

17.8.4 Wrong User Attributed for Last Notes Added If Two Users Concurrently Update Case Notes

OAAM allows two agents to concurrently access a case, but if the two agents add notes to the case, OAAM saves both agents' notes; however, the second agent's notes are displayed as having been added by the first agent. Concurrent write access to cases is supported: if two agents are accessing the case at the same time, the second agent is made aware that the case is being worked on by another agent with a warning message. When the second agent continues, he is made the owner of the case. Notes are attributed to the correct agent.

17.8.5 Manually Created OAAM Agent Cases Cannot Be Searched by Username or User ID

When an OAAM Agent Case is autogenerated from the Configurable Action, the User Details panel is populated with user details for the session for which the case was

created. When manually creating a case and linking to a session, user details are not populated. Subsequent searches of cases by Username or User ID only locate automatically created cases.

An enhancement has been made so that the Agent case creation page can optionally accept entry of a valid Username and/or User ID if the `oaam.customercare.agent.case.allow.userinfo` property is set to true. If a Username and/or User ID is entered it is mapped to the Agent case. Agent cases with a mapped Username and/or User ID are searchable by Username and/or User ID. These cases display the mapped user identifier in the **Username** and/or **User ID** column on the Cases search page. Only an Agent case that has been escalated from a CSR case displays the User Details section under the Case Details Summary tab.

17.8.6 OAAM Allows Case Ownership Change and Add Notes Actions to Closed Case

After an Agent case is closed, case ownership can still change when accessed by another user. The case owner is changed to the user who accessed the case. OAAM also allows the adding and editing of notes after a case is closed. After an Agent case is closed, no changes should be allowed.

17.8.7 Create Agent Case Configurable Action Displays Wrong Name for Action

When a Configurable Action triggers the Create Agent Case action, it is displayed as Add to IP Watch list for both the **Name** and **Description** of the action when it is added to an Action group.

17.8.8 KBA and OTP Failure Counter Reset and Unlock

Challenge failure counters are not displayed on the CSR Case Details as in the details pages. Failure counters should be displayed for KBA and OTP as well as for new or custom challenge processors. Also, the Reset action does not reset all the counters. An Unlock action should reset all counters (KBA and OTP). The following should occur for counters when the Unlock action is performed:

- Unlocking KBA resets the KBA and OTP failure counters to 0
- Unlocking OTP resets the KBA and OTP failure counters to 0

The following actions should occur for failure counters when the Reset action is performed:

- Resetting KBA resets KBA and OTP failure counters to 0. The user will be required to register challenge questions again
- Resetting CSR KBA resets KBA and OTP failure counters to 0. The user will be required to register challenge questions again
- Resetting OTP resets KBA and OTP failure counters to 0. The user will be required to register OTP again

The following enhancements have been made:

- OAAM Admin Console Case detail and details pages display failure counter, registration, and other information for KBA, OTP, and other custom challenge mechanisms
- OTP failure counters from different channels consolidate failures. For example, if multiple channels are used, the OTP status displays Locked if the combined OTP counters are above the threshold. So, if the user fails SMS twice and Email once and threshold is 3, they are locked using the consolidated OTP counter

- The `Reset` action resets all challenge failure counters
- The `Unlock` action is consolidated into an `Unlock User` action instead of separate actions for unlocking KBA and OTP. The `Unlock User` action resets all failure counters
- User name is displayed on the Case Details tab instead of or along with Case ID
- The `Threshold` value for failure counter can be set in the rule condition, `User: Challenge Channel Failure`.

17.9 Performance Issues and Workarounds

This section describes performance issues. It includes the following topic:

- [Out of Memory Error Occurs Scrolling through Sessions Search in OAAM Admin](#)

17.9.1 Out of Memory Error Occurs Scrolling through Sessions Search in OAAM Admin

Scrolling up and down on the Session search page may pass an empty or null input list, which may result in retrieving millions of rows from the database, causing the error, `java.lang.OutOfMemoryError:GC overhead limit exceeded`.

17.10 Geolocation Data Loader Issues and Workarounds

This section describes geolocation loader issues. It includes the following topics:

- [Upload of Geolocation Data Causes Unique Constraint Violation](#)
- [IP Location Data Loader Fails If There is a Blank Line in the File](#)

17.10.1 Upload of Geolocation Data Causes Unique Constraint Violation

When reloading the same location data file, or loading an updated location data file, the data would be loaded correctly, but the log file would show numerous warnings about unique constraint violations which degrades performance.

17.10.2 IP Location Data Loader Fails If There is a Blank Line in the File

The OAAM data loader fails to load IP location data if a blank line is in the data file and does not report the line number. The expected result is for the OAAM data loader to skip the blank line and display a warning message that include the line number.

You can work around this issue by opening the IP location data file, removing the blank line, and saving the file. This issue will be fixed in a future release.

17.11 Multi-Language Support Issues and Workarounds

This section describes multi-language support issues and limitations. It includes the following topics:

- [Session or Cases Page Cannot Open if Browser Language is Italian](#)
- [Session Search and Case Search By Date Range Does Not Work in OAAM Admin Console When Browser Language is Brazilian Portuguese or Spanish](#)

17.11.1 Session or Cases Page Cannot Open if Browser Language is Italian

When the browser language is set to Italian, the user cannot open pages with calendars in the OAAM Administration Console, such as the Session or Cases page. A pop-up window with the following error message is displayed:

```
java.lang.IllegalArgumentException:  
Illegal pattern character 'g'
```

17.11.2 Session Search and Case Search By Date Range Does Not Work in OAAM Admin Console When Browser Language is Brazilian Portuguese or Spanish

Searching sessions and cases by date range does not work in the OAAM Administration Console when the browser language is set to Brazilian Portuguese or Spanish. When the user opens the calendar in the Session or Cases page in the Spanish or Brazilian Portuguese locale, the year value is always shown as 1970 and cannot be modified to the correct year. As a result, the search does not work and the expected data cannot be returned in the search results.

Oracle Access Manager

This chapter describes issues associated with Oracle Access Manager 11g Release 1 (11.1.1). It includes the following topics:

- Section 18.1, "Patch Requirements"
- Section 18.2, "General Issues and Workarounds"
- Section 18.3, "Configuration Issues and Workarounds"
- Section 18.4, "Oracle Security Token Service Issues and Workarounds"
- Section 18.5, "Integration and Inter-operability Issues and Workarounds"
- Section 18.6, "Oracle Access Manager with Impersonation Workarounds"
- Section 18.7, "Documentation Errata"

18.1 Patch Requirements

This section describes patch requirements for Oracle Access Manager 11g Release 1 (11.1.1). It includes the following sections:

- Section 18.1.1, "Plain Text Credentials Exposed in Diagnostic Logs when Creating an Identity Store"

See Also:

- Oracle Technology Network for details about the latest supported versions and platforms:

<http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html>

- *Oracle Fusion Middleware Patching Guide* for details about the latest patch set
- My Oracle Support at the following URL for the latest Oracle Access Manager 11g Release 1 (11.1.1) bundle patches and related release notes:

<https://support.oracle.com/>

18.1.1 Plain Text Credentials Exposed in Diagnostic Logs when Creating an Identity Store

To work around this issue:

1. Go to **My Oracle Support** at

<http://support.oracle.com>

2. Click the **Patches & Updates** tab, and search for **bug 9824531**. Download the associated patch and install it by following the instructions in the README file included with the patch.
3. On the **Patches & Updates** tab, search for **bug 9882205**. Download the associated patch and install it by following the instructions in the README file included with the patch.

18.2 General Issues and Workarounds

This section describes general issue and workarounds. It includes the following topic:

- Section 18.2.1, "Resource Protected By Federation Shown Without Authentication"
- Section 18.2.2, "Issues Registering the OSSO Plugin"
- Section 18.2.3, "Modify Authentication Scheme When Upgrading OAM 11.1.1.5 to OAM 11.1.1.7"
- Section 18.2.4, "RemoteRegistrationServerException Seen After PasteConfig IDM (T2P)"
- Section 18.2.5, "System Error Page Displayed After Login"
- Section 18.2.6, "T2P Paste Config Operation Fails With Exception"
- Section 18.2.7, "Creating Policies For Webgate 11g"
- Section 18.2.8, "Sending Valid Cookie For Embedded BI Content"
- Section 18.2.9, "Incorrect SSO Agent Date/Time Shown to User"
- Section 18.2.10, "Initial Messages After Webgate Registration Are Not Shown in the User's Locale"
- Section 18.2.11, "Single-Click to Open Child Node is Not Supported in the Navigation Tree"
- Section 18.2.12, "User Credential for Registration Tool Does Not Support Non-ASCII Characters on Native Server Locale"
- Section 18.2.13, "Turkish and Greek Character Issues on Oracle Access Manager Authentication Page"
- Section 18.2.14, "Oracle Access Manager Authentication Does Not Support Non-ASCII Passwords on Locales Other than UTF8"
- Section 18.2.15, "Error Message of Create Agent Shows as Server Locale"
- Section 18.2.16, "Referrals in LDAP Searches"
- Section 18.2.17, "Non-ASCII Resources Require OHS To Restart To Make Protection Take Effect"
- Section 18.2.18, "Non-ASCII Characters on Success/Failure URL Results in Garbled Redirect URL"
- Section 18.2.19, "Resource with Non-ASCII Characters Cannot Be Protected by an OSSO Agent"
- Section 18.2.20, "Error in Administration Server Log from Console Logins"
- Section 18.2.21, "Application Domain Subtree in the Navigation Tree Is Not Rendered and Does Not Respond to User Actions"

- Section 18.2.22, "editWebgateAgent Command Does Not Give An Error If Invalid Value is Entered"
- Section 18.2.23, "WLST Command displayWebgate11gAgent In Offline Mode Displays the Webgate Agent Entry Twice"
- Section 18.2.24, "Message Logged at Error Level Instead of at INFO When Servers in Cluster Start"
- Section 18.2.25, "Help Is Not Available for WLST Command registeroidfappartner"
- Section 18.2.26, "User Must Click Continue to Advance in Authentication Flow"
- Section 18.2.27, "OCSP-Related Fields are Not Mandatory"
- Section 18.2.28, "Database Node is Absent in the Console"
- Section 18.2.29, "Online Help Provided Might Not Be Up To Date"
- Section 18.2.30, "Oracle Access Manager Audit Report AUTHENTICATIONFROMIPBYUSER Throws a FROM Keyword Not Found Where Expected Error."
- Section 18.2.31, "Disabled: Custom Resource Types Cannot be Created"
- Section 18.2.32, "Use of a Non-ASCII Name for a Webgate Might Impact SSO Redirection Flows"
- Section 18.2.33, "Authentication Module Lists Non-Primary Identity Stores"
- Section 18.2.34, "Unable to Stop and Start OAM Server Through Identity and Access Node in Fusion Middleware Control"
- Section 18.2.35, "AdminServer Won't Start if the Wrong Java Path Given with WebLogic Server Installation"
- Section 18.2.36, "Changing UserIdentityStore1 Type Can Lock Out Administrators"
- Section 18.2.37, "Page Layouts and Locales"
- Section 18.2.38, "Some Pages Are Not Correctly Localized"
- Section 18.2.39, "Non-ASCII Query String Issues with Internet Explorer v 7, 8, 9"
- Section 18.2.40, "Oracle Virtual Directory with SSL Enabled"
- Section 18.2.41, "Query String Not Properly Encoded"

18.2.1 Resource Protected By Federation Shown Without Authentication

When accessing a page protected by the new Oracle Access Manager integrated Federation feature with the Internet Explorer browser, the browser's delete cookies option does not delete cookies and, therefore, authentication will not be requested. This is a browser specific issue.

Workaround: Delete the browsing history using Tools-> Internet Options-> Browsing History (make sure Cookies is selected) and close all instances of Internet Explorer. When accessing the OAM protected page again; authentication will be requested.

18.2.2 Issues Registering the OSSO Plugin

The OSSO Plugin is for iPlanet and IIS when a customer does not wish to use OHS. It must be registered with OID/SSO 10.1.2.3 or 10.1.4.3 which have been discontinued as of 2011.

18.2.3 Modify Authentication Scheme When Upgrading OAM 11.1.1.5 to OAM 11.1.1.7

For any Oracle Access Manager customer that upgrades from OAM 11.1.1.5 to OAM 11.1.1.7 and uses a custom login page, remove the `redirect=true` entry from Challenge Parameters in the AnonymousScheme authentication scheme or the Login Page will not work. Details are in MOS Note 1548551.1.

18.2.4 RemoteRegistrationServerException Seen After PasteConfig IDM (T2P)

Even when `pasteConfig` goes through successfully, a `RemoteRegistrationServerException` is logged. If you can access the Oracle Access Manager console and see all the agents, this exception is benign and can be ignored.

18.2.5 System Error Page Displayed After Login

After successfully logging in to a page with a longer URL, an Oracle Access Manager system error page might be displayed; access to the same page would not have resulted in this in previous releases. Accessing the page with a longer URL a second time may clear this condition.

18.2.6 T2P Paste Config Operation Fails With Exception

When trying to complete the paste config portion of the Test to Production procedure, the following exception may occur:

```
javax.management.RuntimeMBeanException:  
javax.management.RuntimeMBeanException: Configuration MBean not initialized.
```

There is currently no workaround for this issue.

18.2.7 Creating Policies For Webgate 11g

Oracle Identity Manager and Oracle Access Manager integrations support Webgate 11g. Follow this procedure to create policies for Webgate 11g.

1. Modify the value for `WEBGATE_TYPE` in the `idmConfigTool configOAM` and `idmConfigTool configOIM` property files.
 - `ohsWebgate11g` (for Webgate 11)
 - `ohsWebgate10g` (for Webgate 10)
2. Log in to the Oracle Access Manager console.
3. Select the Policy Configuration tab.
4. Expand Application Domains - IAM Suite
5. Click Resources.
6. Click Open.
7. Click New resource.
8. Provide values for the following:
 - Type: HTTP
 - Description: OAM Credential Collector
 - Host Identifier: IAMSuiteAgent
 - Resource URL: /oam

- Protection Level: Unprotected
 - Authentication Policy: Public Policy
9. Click Apply.

18.2.8 Sending Valid Cookie For Embedded BI Content

When embedded BI content and Oracle Access Manager are on different physical machines or accessed from different ports on the same machine, the BI proxy on the application's container needs to authenticate itself to the Oracle Access Manager server in order to access the protected BI content. To ensure that the valid OAMAuthnCookie is sent to the Webgate, `filterOAMAuthnCookie=false` should be set in the User Defined Parameters section of the Webgate's configuration profile. Restart the server after the modification for the new parameter value to take effect.

18.2.9 Incorrect SSO Agent Date/Time Shown to User

The default start date on the Create OAM Agent page is based on the Oracle Access Manager server date/time. The date/time shown to the end user is based on the Oracle Access Manager server time zone rather than on the user's machine.

18.2.10 Initial Messages After Webgate Registration Are Not Shown in the User's Locale

After Webgate registration, the description fields in the initial messages for related components are not shown in the user's locale.

The description field does not support Multilingual Support (MLS).

18.2.11 Single-Click to Open Child Node is Not Supported in the Navigation Tree

Single-click to open a child node in the navigation tree is not supported, but double-click is supported.

18.2.12 User Credential for Registration Tool Does Not Support Non-ASCII Characters on Native Server Locale

The user credential for the Oracle Access Manager registration tool `oamreg.sh/oamreg.bat` does not support non-ASCII characters on the Linux Non-UTF8 server locale and the Windows native server.

18.2.13 Turkish and Greek Character Issues on Oracle Access Manager Authentication Page

In some cases if a user has Turkish, German, or Greek special characters in the user name and the login name only differs in the special characters, he might pass authentication because of case mappings and case-insensitivity.

Some internationalization characters should have special capitalization rule so that characters do not convert back to the lower case.

For example, there is the case with `SS` and `ß` in German, where `ß` only exists as a lower case character. When performing "to Upper" against `ß`, `ß` will be changed to `SS`. And if the upper case text is then converted back to lower case, the `SS` becomes `ss` and not the original `ß`.

18.2.14 Oracle Access Manager Authentication Does Not Support Non-ASCII Passwords on Locales Other than UTF8

When the server locale is not UTF-8 and using WebLogic Server embedded LDAP as an identity store, the SSO Authentication page does not support Non-ASCII passwords.

18.2.15 Error Message of Create Agent Shows as Server Locale

When an administrator creates an agent with the same name as one that already exists, the language of the error message displayed is based on the server locale rather than on the browser locale.

18.2.16 Referrals in LDAP Searches

Oracle Access Manager 11g Release 1 (11.1.1) cannot operate directly with LDAP servers returning referrals.

The workaround is to use Oracle Virtual Directory.

18.2.17 Non-ASCII Resources Require OHS To Restart To Make Protection Take Effect

When you add a resource with a non-ASCII name to the protected authentication policy, it will require the 11g OHS Server to restart to make the protection take effect, whereas in adding resources with English characters, protection takes effect in real time without having to restarting the OHS Server.

18.2.18 Non-ASCII Characters on Success/Failure URL Results in Garbled Redirect URL

If an on success or on failure URL configured for an authentication policy contains non-ASCII characters in the URL specified, then the URL specified will be garbled when it is used during a user authentication. This will happen only when the authentication scheme is Basic Authentication and the end user's browser is the Simplified Chinese version of IE8 running on the Chinese version of Windows.

18.2.19 Resource with Non-ASCII Characters Cannot Be Protected by an OSSO Agent

The OSSO Agent cannot protect a resource because it does not encode the entire resource URL to UTF-8 format.

To work around this issue, use the Webgate Agent instead of the SSO Agent.

Webgate is able to convert the entire resource URL to UTF-8 format.

18.2.20 Error in Administration Server Log from Console Logins

If you log in to the Oracle Access Manager Console as an administrator and then log in to the Console as an administrator in a new browser tab, the following error appears in the administration logs:

```
-----  
<May 20, 2010 10:12:47 AM PDT> <Error>  
<oracle.adfinternal.view.page.editor.utils.ReflectionUtility> <WCS-16178>  
<Error instantiating class -  
oracle.adfdtinternal.view.faces.portlet.PortletDefinitionDTFactory>  
-----
```

The error message does not impact functionality.

18.2.21 Application Domain Subtree in the Navigation Tree Is Not Rendered and Does Not Respond to User Actions

If the Application Domain subtree on the navigation tree does not render or respond to user interface actions over a period of time, it may be the result of multiple refreshes.

To work around these issues, restart the administration server and log in to the Oracle Access Manager Console again.

18.2.22 editWebgateAgent Command Does Not Give An Error If Invalid Value is Entered

The WLST command `editWebgateAgent` does not give an error when a invalid value is entered for the **state** field in both online and offline mode. The Oracle Access Manager Console does show the **state** field value as neither **enabled** nor **disabled**, though it is a mandatory field.

18.2.23 WLST Command displayWebgate11gAgent In Offline Mode Displays the Webgate Agent Entry Twice

In the offline mode, the WLST command, `displayWebgate11gAgent`, displays the 11g Webgate Agent entry in the System Configuration tab twice.

18.2.24 Message Logged at Error Level Instead of at INFO When Servers in Cluster Start

When starting Oracle Access Manager servers in a cluster, the following message is displayed:

```
<Jun 22, 2010 3:59:41 AM PDT> <Error> <oracle.jps.authorization.provider.pd>  
<JPS-10774> <arme can not find state.chk file.>
```

The correct level of the message is INFO, rather than Error.

18.2.25 Help Is Not Available for WLST Command registeroifdappartner

The Help command is not available for the WLST command, `registeroifdappartner`.

The online and offline command registers Oracle Identity Federation as a Delegated Authentication Protocol (DAP) Partner.

For information, refer to "registerOIFDAPPartner" in the *Oracle Fusion Middleware WebLogic Scripting Tool Command Reference*.

Syntax

```
registerOIFDAPPartner (keystoreLocation="/scratch/keystore"  
logoutURL="http://<oifhost>:<oifport>/fed/user/sploosso?doneURL=  
http://<oamhost>:<oam port>/ngam/server/pages/logout.jsp",  
rolloverTime="526")
```

Parameter Name	Definition
keystoreLocation	Location of the Keystore file. The file generated at the OIF Server. (mandatory)
logoutURL	The OIF Server's logout URL. <mandatory>
rolloverInterval	The Rollover Interval for the keys used to enc/decrypt SASSO Tokens (optional)

Example

The following invocation illustrates use of all parameters.

```
registerOIFDAPPartner(keystoreLocation="/scratch/keystore",
logoutURL="http://<oifhost>:<oifport>/fed/user/sploosso?doneURL=http://<oamhost>:
<oam port>/ngam/server/pages/logout.jsp", rolloverTime="526")
```

18.2.26 User Must Click Continue to Advance in Authentication Flow

In a native integration with Oracle Adaptive Access Manager, the resource is protected by an Oracle Access Manager policy that uses the Basic Oracle Adaptive Access Manager authentication scheme.

When a user tries to access a resource, he is presented with the username page.

After he enters his username, he must click **Continue** before he can proceed to the password page. He is not taken to this page automatically.

The workaround is for the user to click **Continue**, which might allow him to proceed to the password page.

18.2.27 OCSP-Related Fields are Not Mandatory

In the X509 authentication modules, the following OCSP-related fields are no longer mandatory:

- OCSP Server Alias
- OCSP Responder URL
- OCSP Responder Timeout

If OCSP is enabled

The OCSP-related fields should be filled in by the administrator. If they are not filled, there will not be an error from the Console side.

It is the responsibility of the administrator to provide these values.

If OCSP is not enabled

The OCSP-related fields need not be filled in this case. If there are values for these fields, they will be of no consequence/significance, as OCSP itself is not enabled.

In the default out of the box configuration, the OCSP responder URL is `http://ocspresponderhost:port`. If you make changes to other fields and leave this as is, you will see a validation error, since this value is still submitted to the back end and at the Console, the layer port should be a numeric field. You can either modify the field, with the port being a numeric field or delete the entire value.

18.2.28 Database Node is Absent in the Console

Under the Data Sources node of the System Configuration tab, Common Configuration section, there is no Databases node in Oracle Access Manager 11g (11.1.1.5).

18.2.29 Online Help Provided Might Not Be Up To Date

Online help is available in the Oracle Access Manager Console, but you should check OTN to ensure you have the latest information.

18.2.30 Oracle Access Manager Audit Report AUTHENTICATIONFROMIPBYUSER Throws a FROM Keyword Not Found Where Expected Error

The Oracle Access Manager audit report **AuthenticationFromIPByUser** uses an Oracle Database 11.2.0 feature and will not work with older versions of database. The following error is displayed if an older version is used:

```
ORA-00923: FROM keyword not found where expected
```

18.2.31 Disabled: Custom Resource Types Cannot be Created

For Oracle Access Manager 11g, creating custom resource types should not be attempted. In the initial release, the buttons to create/edit/delete resource types were available.

With Oracle Access Manager 11g (11.1.1.7) these command buttons are disabled. Oracle provided resource types include:

- HTTP (includes HTTPS)
- TokenServiceRP (Resources for representing Token Service Relying Party)
- wl_authen (Resources for representing WebLogic Authentication schemes)

18.2.32 Use of a Non-ASCII Name for a Webgate Might Impact SSO Redirection Flows

When using the OAM Server with WebGates and when the Webgate ID is registered with a non-ASCII name, the OAM Server may reject that authentication redirect as an invalid request.

To work around this redirection issue, use an ASCII name for the Webgate.

Note: Resources are protected and error messages do not occur when the administration server and oracle access servers are started on UTF-8 locales.

The redirection issue only occurs on native server locales (Windows and Non-UTF8 Linux server locales)

18.2.33 Authentication Module Lists Non-Primary Identity Stores

In the user interface under the Authentication Module, only the primary identity store should be selected in the list since only primary identity stores can be used for authentication/authorization. Currently, the Oracle Access Manager Console allows you to select identity stores that are not primary.

18.2.34 Unable to Stop and Start OAM Server Through Identity and Access Node in Fusion Middleware Control

The following Oracle Access Manager operations are not supported through using the `oam_server` node under **Identity and Access** in Fusion Middleware Control:

- Start up
- Shut down
- View Log Messages

However, these operations are supported per the Oracle Access Manager managed server instance through using the `oam_server` node (for the specific server) under **Application Deployments** in Fusion Middleware Control.

18.2.35 AdminServer Won't Start if the Wrong Java Path Given with WebLogic Server Installation

WebLogic Server installation on Windows 64-bit platform can be successful with 32-bit JAVA_HOME (jdk1.6.0_23). On Windows 64-bit platform, the path to 32-bit JAVA_HOME (c:\program files (x86)\java\jdkxxx) is not correctly handled by the `startWeblogic.cmd`.

- If you launch the install shield with `setup.exe`, you are asked for the path of the 64-bit JAVA_HOME. If you provide the 32-bit JAVA_HOME (jdk1.6.0_24) path, the install shield is not launched.
- If you execute `config.cmd` from `\Middleware\Oracle_IDM1\common\bin`, the path to the 32-bit JAVA_HOME (jdk1.6.0_24) is used. Following successful installation, however, you cannot start AdminServer.

Workaround: Oracle recommends replacing `SUN_JAVA_HOME` to use the path with the shorter name (c:\progra~2\java\jdkxxxx).

- On Windows, the shorter names can be seen by executing `"dir /X"`.
- Alternatively, you can set Windows command shell variable `JAVA_HOME` to path with shorter name and execute `startWeblogic.cmd` within that. For example:

```
>set JAVA_HOME=c:\progra~2\java\jdkXXX
>startweblogic.cmd
```

18.2.36 Changing UserIdentityStore1 Type Can Lock Out Administrators

An Identity Store that is designated as the System Store should not be edited to change the store type (from Embedded LDAP to OID, for instance) nor the connection URLs.

If you do need to change the Identity Store that is designated as the System Store should not be edited to change the store type, Oracle recommends that you create a new Identity Store and then edit that registration to mark it as your System Store.

18.2.37 Page Layouts and Locales

The layout of the single sign-on (SSO) Login Page, Impersonation Consent page, Logout Page, Impersonation Error page, and Login Error Page do not change for Arabic and Hebrew locales.

18.2.38 Some Pages Are Not Correctly Localized

The date formats of "Creation Instant" and "Last Access Time" on the Session Management Search page are not correctly localized.

18.2.39 Non-ASCII Query String Issues with Internet Explorer v 7, 8, 9

Due to a limitation with the Internet Explorer browser, resources with Non-ASCII query string when if you directly type or paste the resource URL.

18.2.40 Oracle Virtual Directory with SSL Enabled

With Oracle Virtual Directory as the user identity store, no errors are seen after changing its registration to use the SSL port, checking the SSL box, and testing the connection (Test Connection button). However, authentication fails (even though non-SSL port is fine). The first time Test Connection goes through and any subsequent time it results in Socket Timeout exception from the Oracle Virtual Directory side.

Workaround: Disable NIO for the SSL port as follows:

1. Stop Oracle Virtual Directory. For example:

```
$ORACLE_INSTANCE/bin/opmnctl stopproc ias-component=ovd1
```

2. Edit the a LDAP SSL listener section of listener.os_xml to add `<useNIO>>false</useNIO>`, as follows:

```
$ORACLE_INSTANCE/config/OVD/ovd1/listener.os_xml
```

```
<ldap version="20" id="LDAP SSL Endpoint">
<port>7501</port>
<host>0.0.0.0</host>
.....
.....
<tcpNoDelay>>true</tcpNoDelay>
<readTimeout>180000</readTimeout>
</socketOptions>
<useNIO>>false</useNIO>
</ldap>
```

3. Save the file.
4. Test the connection several times to confirm this is working.

18.2.41 Query String Not Properly Encoded

There is no encoding on the query string from Webgate when % is not followed by a sequence of characters that form a valid URL escape sequence. In this case, Oracle Access Manager retains % as % in the decoded string and the following error occurs:

```
No message for The Access Server has returned a status that is unknown to the
Access Gate .Contact your website administrator to remedy this problem.
```

Workaround:

11g Webgate: To specify the '%' character in a query string, you must specify '%25' instead of '%'.
 10g Webgate: The 11g Webgate workaround applies to only the anonymous scheme. For other authentication schemes, there is currently no workaround.

18.3 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 18.3.1, "For mod-osso Value for RedirectMethod Should be "POST""](#)
- [Section 18.3.2, "User Wrongly Directed to the Self-User Login after Logging Out of the Oracle Identity Manager Administration Console"](#)
- [Section 18.3.3, "11g Webgate Fails to Install with Compact Configuration."](#)
- [Section 18.3.4, "Auditing Does Not Capture the Information Related to Authentication Failures if a Resource is Protected Using Basic Authentication Scheme"](#)
- [Section 18.3.5, "Incompatible Msvcirt.dll Files"](#)
- [Section 18.3.6, "IPv6 Support"](#)
- [Section 18.3.7, "What to Avoid or Note in Oracle Access Manager Configuration"](#)
- [Section 18.3.8, "Install Guides Do Not Include Centralized Logout Configuration Steps"](#)
- [Section 18.3.9, "NULL Pointer Exception Shown in Administration Server Console During Upgrade"](#)
- [Section 18.3.10, "Using Access SDK Version 10.1.4.3.0 with Oracle Access Manager 11g Servers"](#)
- [Section 18.3.11, "Finding and Deleting Sessions Using the Console"](#)
- [Section 18.3.12, "Non-ASCII Users with Resource Protected by Kerberos Authentication Scheme"](#)

18.3.1 For mod-osso Value for RedirectMethod Should be "POST"

For Webgate to support long URLs, the following code sample was added under oam-config.xml:

```
<Setting Name="AgentConfig" Type="htf:map">
  <Setting Name="OSSO" Type="htf:map">
    <Setting Name="RedirectMethod" Type="xsd:string">GET</Setting>
    <Setting Name="Delimiter" Type="xsd:string">AND</Setting>
  </Setting>
</Setting>
```

For mod-osso, the value for RedirectMethod should be POST, however, the values shipped out of the box is GET. Follow these steps to perform the modification, as this change needs to be performed manually and there is no user interface or WLST commands available to do so.

1. Stop the Oracle Access Manager Console and managed servers.
2. Enter `cd DOMAIN_HOME/config/fmwconfig`
3. Enter `vi oam-config.xml`
4. Go to the following line in oam-config.xml:

```
<Setting Name="AgentConfig" Type="htf:map">
  <Setting Name="OSSO" Type="htf:map">
    <Setting Name="RedirectMethod" Type="xsd:string">GET</Setting>
```

Modify GET to POST as follows:

```
<Setting Name="RedirectMethod" Type="xsd:string">POST</Setting>
```

5. Save the changes and start the AdminServer and managed servers.

18.3.2 User Wrongly Directed to the Self-User Login after Logging Out of the Oracle Identity Manager Administration Console

The user is directed to the self-user login after logging out of the Oracle Identity Manager Administration Console.

To be redirected correctly, the logout must work properly.

The workaround for logout with 10g Webgate is to:

1. Copy `logout.html` (for example, from `Oracle_IDM1/oam/server/oamsso/logout.html`) to `webgate_install_dir/oamsso`.
2. Update logout URL in the file to `http://oam_server:oam_server/ngam/server/logout`.
3. If redirection to specific page has to occur after logout, change the logout URL to `http://oam_server:oam_server/ngam/server/logout?doneURL=http://host:port/specifipage.html`.

18.3.3 11g Webgate Fails to Install with Compact Configuration

A compact configuration is an installation with all identity management components on a machine with limited hardware capacity.

On trying to install the 11g Webgate with compact configuration, the following error occurs during the configure step:

```
Configuring WebGate...
There is an error. Please try again.
Preparing to connect to Access Server. Please wait.
Client authentication failed, please verify your WebGate ID.
cp: cannot stat
`$ORACLE_HOME/ohs/conf/aaa_key.pem':
No such file or directory
cp: cannot stat
`$ORACLE_HOME/ohs/conf/aaa_cert.pem':
No such file or directory
cp: cannot stat
`$ORACLE_HOME/ohs/conf/aaa_chain.pem':
```

The error occurs because the following entries were not initialized in `oam-config.xml` during the installation:

```
<Setting Name="oamproxy" Type="htf:map">
<Setting Name="sslGlobalPassphrase" Type="xsd:string">changeit</Setting>
<Setting Name="SharedSecret" Type="xsd:string">1234567812345678</Setting>
</Setting>
```

To initialize `oam-config.xml` properly:

1. Delete the OAM entry from CSF repository by performing the following steps:
 - a. Start the WebLogic Scripting Tool:

```
oracle_common/oracle_common/common/bin/wlst.sh
```
 - b. In the WLST shell, enter the command to connect to the domain and then enter the requested information.

A sample is given below.

```
wls:/offline> connect ()
Please enter your username [weblogic] :
Please enter your password [welcome1] :
Please enter your server URL [t3://localhost:7001] :
Connecting to t3://localhost:7001 with userid weblogic ...
Successfully connected to Admin Server 'AdminServer' that belongs to domain
'imdomain86'.
```

c. Change to domainRuntime.

A sample is given below.

```
wls:/imdomain86/serverConfig> domainRuntime ()
Location changed to domainRuntime tree. This is a read-only tree with
DomainMBean as the root.
```

d. Check whether an entry exists in the CSF repository with the map name as OAM and key as jks.

A sample is given below.

```
wls:/imdomain86/domainRuntime> listCred(map="OAM_STORE",key="jks")
{map=OAM_STORE, key=jks}
Already in Domain Runtime Tree
.
[Name : jks, Description : null, expiry Date : null]
PASSWORD:1qaldrk3eoulhlcmfcqasufgj2
.
```

e. Delete the OAM map entry from the CSF repository.

```
wls:/imdomain86/domainRuntime> deleteCred(map="OAM_STORE",key="jks")
{map=OAM_STORE, key=jks}
Already in Domain Runtime Tree
.
```

f. Exit from wlst shell.

A sample is given below.

```
wls:/imdomain86/domainRuntime> exit ()
.
.
.
```

2. Go to *DOMAIN_HOME*/config/fmwconfig and delete the file .oamkeystore.

A sample [on linux] is given below.

```
[aime@pdrac09-5 fmwconfig]$ rm .oamkeystore
.
```

3. Stop the Managed Server and Admin Server.

4. Start the AdminServer.

5. Verify oam-config.xml.

6. Start Managed Server.

Steps to verify oam-config.xml:

1. Go to *DOMAIN_HOME*/config/fmwconfig/oam-config.xml.
2. Verify that all the WebLogic Server server instances are configured under **DeployedComponent > Server > NGAMServer > Instance**
3. Verify that the OAM Managed Server protocol, host and port are available at:

DeployedComponent > Server > NGAMServer > Profile > OAMServerProfile > OAMSERVER

4. Verify that the SSO CipherKey is generated and available at:

DeployedComponent > Server > NGAMServer > Profile > ssoengine > CipherKey

5. Verify that the oamproxy entries for SharedSecret and sslGlobalPassphrase is generated and available at:

DeployedComponent > Server > NGAMServer > Profile > oamproxy

SharedSecret should have a value different from 1234567812345678 and sslGlobalPassphrase different from changeit.

18.3.4 Auditing Does Not Capture the Information Related to Authentication Failures if a Resource is Protected Using Basic Authentication Scheme

Although a resource can be protected using the BASIC scheme, the WebLogic server has a feature by which it first authenticates the user and then sends it to the server.

If you add the following flag under `<security-configuration>` in `config.xml` and restart the server, you will be able to bypass WebLogic server's authentication `<enforce-valid-basic-auth-credentials>false</enforce-valid-basic-auth-credentials>`. Once the credentials are submitted back to the OAM Server, it will be audited.

The WebLogic Server Administration Console does not display or log the `enforce-valid-basic-auth-credentials` setting. However, you can use WLST to check the value in a running server. You must modify this value by setting this in `config.xml`.

To do so, refer to "Developing Secure Web Applications" at:

http://download.oracle.com/docs/cd/E13222_01/wls/docs103/security/thin_client.html#wp1037337

18.3.5 Incompatible Msvcirt.dll Files

When you install the Oracle Access Manager 10g Webgate, do not replace the current version of `msvcirt.dll` with a newer version when prompted. If you do so, there may be incompatibility issues. Later, when you try to install OSSO 10g (10.1.4.3), the `opmn.exe` command might fail to start and the `OracleCSService` might time out because the required `.dll` file is missing.

18.3.6 IPv6 Support

The supported topology for Oracle Access Manager 11g is shown below.

Supported Topology

- WebGate10g or Webgate 11g and protected applications on IPv4 (Internet Protocol Version 4) protocol host
- OHS (Oracle HTTP Server) reverse proxy on dual-stack host
- Client on IPv6 (Internet Protocol Version 6) protocol host

Dual-stack is the presence of two Internet Protocol software implementations in an operating system, one for IPv4 and another for IPv6.

The IPv6 client can access Webgate (10g or 11g) through the reverse proxy on IPv4/IPv6 dual-stack.

18.3.7 What to Avoid or Note in Oracle Access Manager Configuration

This section contains scenarios and items to note in Oracle Access Manager Configuration

18.3.7.1 Unsupported Operations for WLST Scripts

WLST scripts for Oracle Access Manager 10g and Oracle Access Manager 11g WebGates do not support changing Agent security modes.

18.3.7.2 Unsupported Operations for Oracle Access Manager Console and WLST

Unsupported operations for the Oracle Access Manager Console and WLST are described in the following subsections.

18.3.7.2.1 OAM Server

Use Case: Concurrent Deletion and Updating

Description

1. Open an OAM Server instance in edit mode in Browser 1.
2. Using the Oracle Access Manager Console in another browser (Browser 2) or using a WLST script, delete this server instance.
3. Return to Browser 1 where the server instance is opened in edit mode.
4. In Browser 1, click the **Apply** button.

Current Behavior

The Oracle Access Manager Console displays the message, "Server instance *server_name* might be in use, are you sure you want to edit it?" along with the confirmation that the update succeeded.

On clicking Yes, the following error message pops up, as expected, and the OAM Server instance page is closed (correct behavior):

```
"Error while reading your_server-name OAM Server Instance Configuration."
```

However, the navigation tree node might continue to display the OAM Server instance until you click the Refresh command button for the navigation tree.

Use Case: Two OAM Server Instances with Same Host Cannot have the Same Proxy Port.

Description

For this use case, there are two instances of the OAM Server: **oam_server1** and **oam_server2**.

1. Open **oam_server1** in edit mode and specify a host and OAM proxy port.
2. Now open **oam_server2** in edit mode and specify the same host and proxy port as **oam_server1**.

The changes are saved without any error message.

Current Behavior

The Oracle Access Manager Console does not display any error and allows the update.

The behavior is incorrect.

Use Case: Log Statements Detailing the Server Instance Creation, Update and Delete are not Present on the Oracle Access Manager Console

Description

If you create, edit, or delete an OAM Server instance from the Oracle Access Manager Console, the log statements corresponding to create, edit and delete are not displayed by the Console.

18.3.7.2.2 LDAP Authentication Module:

Use Case: Concurrent Deletion/Creation of User Identity Store does not Reflect in the List of Identity Stores in the LDAP Authentication Module Create and Edit

Description

1. Open create/ edit for the LDAP authentication module.
A list displays the identity stores present in the system.
2. Now create a user identity store using another tab.
3. Return to the create/edit tab for the LDAP authentication module and check the list for user identity stores.

Current Behavior

The Oracle Access Manager Console displays the error message, as expected, and closes the Authentication Module page (correct behavior):

"Error while reading *module-name* Authentication Module Configuration."
However, the navigation tree node might continue to display the Authentication Module node until you click the Refresh command button for the navigation tree.

18.3.7.2.3 LDAP, Kerberos and X509 Authentication Module

Use Case: Concurrent deletion and updating

Description

1. Open an LDAP/Kerberos/X509 authentication module in edit mode in Oracle Access Manager Console in Browser 1.
2. Using Oracle Access Manager Console in another browser (Browser 2) or using a WLST script, delete this authentication module.
3. Now return to Browser 1 where the authentication module is opened in edit mode.
4. Click the **Apply** button.

Current Behavior

The Oracle Access Manager Console updates this authentication module configuration and writes it to back end.

The behavior is incorrect.

Use Case: Log Statements Detailing the Server Instance Creation, Update and Delete are Not present on Oracle Access Manager Console side.

Description

When you create, edit or delete an authentication module from Oracle Access Manager Console, the log statements corresponding to create, edit and delete are not written by the Console.

18.3.7.2.4 OAM 11G Webgate

Use Case: Concurrent Deletion and Update

Description

1. Open an OAM 11g Webgate instance in edit mode in Oracle Access Manager Console in Browser 1.
2. Using the Oracle Access Manager Console in another browser (Browser 2) or using a WLST script, delete this OAM 11g Webgate.
3. Now return to the Browser1 where the server instance is opened in edit mode.
4. Click on the **Apply** button.

Current Behavior

The Oracle Access Manager Console for edit OAM11g Webgate does not change and the tab does not close.

A OAM11g Webgate configuration not found error dialog is displayed by the Oracle Access Manager Console.

However, the navigation tree is blank and attempts to perform any operation results in a `javax.faces.model.NoRowAvailableException`.

The behavior is incorrect.

18.3.7.2.5 OSSO Agent

Use Case: Concurrent Deletion and Update

Description

1. Open an OSSO Agent instance in edit mode in the Oracle Access Manager Console in Browser 1.
2. Using the Oracle Access Manager Console in another browser (Browser 2) or using a WLST script, delete this OSSO Agent.
3. Now return to the Browser 1 where the OSSO Agent instance is opened in edit mode.
4. Click on **Apply** button.

Current Behavior

Editing the OSSO Agent in the Oracle Access Manager Console results in a null pointer exception.

The behavior is incorrect.

18.3.8 Install Guides Do Not Include Centralized Logout Configuration Steps

Single-Sign On is enabled after Oracle Access Manager is installed; to complete configuration of Single-Sign On out of the box, centralized log out must be configured post-install. Configure centralized log out by following direction from these sections:

- [Configuring Centralized Logout for ADF-Coded Applications with Oracle Access Manager 11g](#)

In order for the ADF logout to work correctly, Single Sign-On Server Patch 9824531 is required. Install this patch, as described in the `readme` file that is included in the patch.

- Configuring Centralized Logout for the IDM Domain Agent (in the patch set this is now the IAMSuiteAgent)

18.3.9 NULL Pointer Exception Shown in Administration Server Console During Upgrade

A NULL pointer exception occurs because of the configuration events trigger when the identity store shuts down. The upgrade is successful, however, and error messages are seen in administration server console. There is no loss of service.

If the NULL pointer is seen during upgrade, there is no loss of service, you can ignore the error.

If the NULL pointer is seen during WLST command execution, you must restart the administration server.

18.3.10 Using Access SDK Version 10.1.4.3.0 with Oracle Access Manager 11g Servers

In general, the Sun Microsystems JDK 1.4.x compiler is the JDK version used with the Java interfaces of Access SDK Version 10.1.4.3.0.

As an exception, the Java interfaces of the 64-bit Access SDK Version 10.1.4.3.0, specifically for the Linux operating system platform, requires the use of Sun Microsystems JDK 1.5.x compiler.

The new Session Management Engine capability within Oracle Access Manager 11g will create a session for every Access SDK version 10.1.4.3.0 call for authentication.

This may cause issues for customers that use Access SDK to programmatically authenticate an automated process. The issue is the number of sessions in the system that is generated within Access SDK will increase dramatically and cause high memory consumption.

18.3.11 Finding and Deleting Sessions Using the Console

When session search criteria is generic (using just a wild card (*), for example), there is a limitation on deleting a session from a large list of sessions.

Oracle recommends that your session search criteria is fine-grained enough to obtain a relatively small set of results (ideally 20 or less).

18.3.12 Non-ASCII Users with Resource Protected by Kerberos Authentication Scheme

Non-ASCII users fail to access a resource protected by a Kerberos authentication scheme using WNA as a challenge method.

The exception occurs when trying to get user details to populate the subject with the user DN and GUID attributes.

18.4 Oracle Security Token Service Issues and Workarounds

This section provides the following topics:

- [Section 18.4.1, "No Warnings Given If Required Details are Omitted"](#)
- [Section 18.4.2, "New Requester Pages, Internet Explorer v7, and Japanese Locale"](#)

- [Section 18.4.3, "Delete Button Not Disabled When Tables Have No Rows"](#)
- [Section 18.4.4, "Copying an Issuance Template Does Not Copy All Child Elements"](#)
- [Section 18.4.5, "Apply and Revert Buttons are Enabled"](#)
- [Section 18.4.6, "Only Generic Fault Errors Written to Oracle WSM Agent Logs"](#)
- [Section 18.4.7, "Server and Client Key Tab Files Must be the Same Version"](#)
- [Section 18.4.8, "Default Partner Profile Required for WS-Security"](#)
- [Section 18.4.9, "SAML Token Issued When NameID is Not Found"](#)

18.4.1 No Warnings Given If Required Details are Omitted

On the Token Mapping page of a new Validation Template with the following characteristics:

- WS-Security
- Token Type SAML 1.1
- Default Partner Profile: requester profile

No warnings are given:

- If you check the box to Enable Attribute Based User Mapping if you leave empty the required User Attributes field

A new row is not saved if the User Attribute field is empty. However, it is saved if both fields are filled. Removing the value of the User Attribute field in a user-added row causes the row to be deleted when you Apply changes

- If you attempt to delete built-in Name Identifier Mapping rows
Built-in Name Identifier Mapping rows cannot be deleted.

18.4.2 New Requester Pages, Internet Explorer v7, and Japanese Locale

When using the Japanese Locale with Internet Explorer v7, the title "New Requester" is not displayed in one line on the page. The Partner, Name, Partner Type, and Partner Profile fields might wrap on the page.

This can occur whether you are creating or modifying the Partner (Requester, Relying Party, and Issuing Authority).

18.4.3 Delete Button Not Disabled When Tables Have No Rows

The Delete button is enabled even though there are no rows to be deleted in the following tables:

- The Attribute Name Mapping table (Token and Attributes page for Partner Profiles (Requester, Relying Party, Issuing Authority Profiles).
- The Value Mapping table in Issuing Authority Partner Profiles

When there are no rows in a table, the Delete button should be disabled by default.

18.4.4 Copying an Issuance Template Does Not Copy All Child Elements

Issuance Template Copy Like function does not copy nested tables (attribute mapping and filtering tables, and the custom token attribute table).

Workaround: Navigate to the desired Issuance Template, click the name in the navigation tree and click the Copy Like button. Manually enter missing information from the original: Attribute Mappings or custom attribute tables.

18.4.5 Apply and Revert Buttons are Enabled

The Apply and Revert buttons are enabled on Oracle Security Token Service pages even if there are no changes to apply or saved changes to revert to the previous version.

18.4.6 Only Generic Fault Errors Written to Oracle WSM Agent Logs

No content is written logs for the Oracle WSM agent errors. There is only a generic fault error.

Workaround: Enable message logging for the Oracle WSM agent on the host OAM Server.

1. Locate the logging.xml file in \$DOMAIN/config/fmwconfig/server/oam_server1/logging.xml file.

2. Change the WSM block of the logging.xml file, to:

```
<logger name="oracle.wsm" level="TRACE:32" useParentHandlers="false">
<handler name="odl-handler"/>
</logger>
```

```
<logger name="oracle.wsm.msg.logging" level="TRACE:32"
useParentHandlers="false">
<handler name="owsm-message-handler"/>
<handler name="wls-domain"/>
</logger>
```

3. **OSTS Policies:** When Oracle Security Token Service policies are used (instead of Oracle-provided WSM policies) perform the following steps:

- a. Locate: Oracle_IDM1/oam/server/policy
- b. Unjar sts-policies.jar.
- c. Change all the polices to set Enforced to true: META-INF/polices/sts.

```
<oralgp:Logging orawsp:name="Log Message1" orawsp:Silent="true"
orawsp:Enforced="true" orawsp:category="security/logging">
<oralgp:msg-log>
<oralgp:request>all</oralgp:request>
<oralgp:response>all</oralgp:response>
<oralgp:fault>all</oralgp:fault>
</oralgp:msg-log>
</oralgp:Logging>
```

4. Re-jar the updated sts-policies.jar.
5. Restart the AdminServer and managed servers.

18.4.7 Server and Client Key Tab Files Must be the Same Version

An exception to authenticate the Kerberos token occurs if WebLogic 10.3.5 is configured with Sun JDK6 greater than u18.

When using the Kerberos token as an authentication token requesting the security token from Oracle Security Token Service:

- The keytab file configured in the validation template should always be the latest version from the KDC server
- The KVNO should always be the latest that is available on the server:

18.4.8 Default Partner Profile Required for WS-Security

The *Oracle Access Manager Access Administration Guide* states "When you toggle the Token Protocol from WS-Trust to WS-Security, options in the Token Type list do not change. However, the required "Default Partner Profile" list appears from which you must choose one profile for WS-Security."

Correction: When you toggle the Token Protocol from WS-Trust to WS-Security a required field "Default Partner Profile" will appear. You must choose a value for this field. If you again toggle back to WS-Trust without choosing a value for this field The options in the Token Type list are not updated correctly to have the WS-Trust Token Type values.

18.4.9 SAML Token Issued When NameID is Not Found

Rather than returning an error response, an assertion issued with an empty NameIdentifier field can be issued even when the NameIdentifier user attribute has a null or empty value. For example:

```
<saml:NameIdentifier  
Format="urn:oasis:names:tc:SAML:1.1:nameid-format:emailAddress"/>
```

Workaround: The "Name Identifier User Attribute" Field in the Issuance Template requires a value for the Userstore.

18.5 Integration and Inter-operability Issues and Workarounds

This section provides the following topics:

- [Section 18.5.1, "WNA Authentication Does Not Function on Windows 2008"](#)
- [Section 18.5.2, "JVM Plug-in Ignores Cookies Marked 'httponly'"](#)

18.5.1 WNA Authentication Does Not Function on Windows 2008

The default Kerberos encryption supported by Windows 2008 Server and Windows 2007 machines are "AES256-CTS-HMAC-SHA1-96", "AES128-CTS-HMAC-SHA1-96" and "RC4-HMAC".

If the clients are configured to use DES only encryption, users will not be able to access protected resources with Kerberos authentication. The error message, An incorrect username and password was specified might be displayed.

Because the initial Kerberos tokens are not present, the browser sends NTLM tokens, which the OAM Server does not recognize; therefore, the user authentication fails.

The workaround is to enable the encryption mechanisms, and follow the procedure mentioned in:

<http://technet.microsoft.com/en-us/library/dd560670%28WS.10%29.a.spx>

18.5.2 JVM Plug-in Ignores Cookies Marked 'httponly'

Cookies set with the `httponly` flag are not available to Browser Side Scripts and Java Applets. The JVM plugin ignores cookies marked 'httponly.'

To resolve the issue

1. In `mod_sso.conf`, disable the `OssOHTTPOnly off` parameter.
2. Add the required OSSO cookies to the list of possible applet parameters to pass for authentication.

18.6 Oracle Access Manager with Impersonation Workarounds

This section provides the following topics:

- [Section 18.6.1, "Impersonation Can Fail on Internet Explorer v 7, 8, 9"](#)
- [Section 18.6.2, "With Oracle Access Manager 11g ORA_FUSION_PREFS Cookie Domain is Three Dots"](#)

18.6.1 Impersonation Can Fail on Internet Explorer v 7, 8, 9

Due to a limitation with the Internet Explorer browser, Impersonation can fail to go to the Consent page when the Impersonatee's userid contains Non-ASCII characters.

Impersonation goes instead to the `failure_url` if you directly type or paste the starting impersonation URL in the browser.

18.6.2 With Oracle Access Manager 11g ORA_FUSION_PREFS Cookie Domain is Three Dots

With Oracle Access Manager 10g the `ORA_FUSION_PREFS` cookie domain used the following form (2 dots):

10g Form `.example.com`

However, Oracle Access Manager 11g localized login accepts only the following format for the `ORA_FUSION_PREFS` cookie domain (3 dots):

11g Form `.us.example.com`

For example, if the host name is `ruby.us.example.com`, Oracle Access Manager 11g creates a cookie with the domain name `.us.example.com`.

However, the application session creates a cookie with the domain name `.example.com`, which causes inter-operability failure between Fusion Middleware and the application session using this cookie.

Workaround: Update the `FACookieDomain` parameter to correspond to 11g requirements, and increment the `Version xsd:integer` in the `oam-config.xml`, as shown in this example:

1. Back up `DOMAIN_HOME/config/fmwconfig/oam-config.xml`.
2. Open the file for editing and pay close attention to your changes.
3. Set `FACookieDomain` to your domain (with 3 dot separators):

```
<Setting Name="FAAppsConfig" Type="htf:map">
  <Setting Name="FACookieDomain" Type="xsd:string">.us.example.com</Setting>
  <Setting Name="FAAuthnLevel" Type="xsd:integer">2</Setting>
  <Setting Name="consentPage" Type="xsd:string">/oam/pages/impconsent.jsp
```

```
</Setting>
</Setting>
```

4. **Configuration Version:** Increment the `Version` `xsd:integer` as shown in the next to last line of this example (existing value (26, here) + 1):

Example:

```
<Setting Name="Version" Type="xsd:integer">
  <Setting xmlns="http://www.w3.org/2001/XMLSchema"
    Name="NGAMConfiguration" Type="htf:map:>
    <Setting Name="ProductRelease" Type="xsd:string">11.1.1.3</Setting>
    <Setting Name="Version" Type="xsd:integer">26</Setting>
  </Setting>
```

5. Save `oam-config.xml`.

18.7 Documentation Errata

This section provides documentation errata for the following guides:

- [Section 18.7.1, "Oracle Fusion Middleware Administrator's Guide for Oracle Access Manager with Oracle Security Token Service"](#)
- [Section 18.7.2, "Oracle Fusion Middleware Developer's Guide for Oracle Access Manager and Oracle Security Token Service"](#)
- [Section 18.7.3, "Oracle Fusion Middleware Integration Guide for Oracle Access Manager"](#)

18.7.1 Oracle Fusion Middleware Administrator's Guide for Oracle Access Manager with Oracle Security Token Service

There is no documentation errata for this guide.

18.7.2 Oracle Fusion Middleware Developer's Guide for Oracle Access Manager and Oracle Security Token Service

There is no documentation errata for this guide.

18.7.3 Oracle Fusion Middleware Integration Guide for Oracle Access Manager

This section contains documentation errata applicable to the *Oracle Fusion Middleware Integration Guide for Oracle Access Manager*, part number E15740-04 *only*.

The following documentation errata are included for this guide:

- [Section 18.7.3.1, "Updates to Prerequisites for OAM-OIM Integration"](#)
- [Section 18.7.3.2, "Properties for configOIM Command"](#)
- [Section 18.7.3.3, "Updated Example for Integrating OIF/SP"](#)

18.7.3.1 Updates to Prerequisites for OAM-OIM Integration

In the *Oracle Fusion Middleware Integration Guide for Oracle Access Manager*, part number E15740-04, Chapter 5 Integrating Oracle Access Manager and Oracle Identity Manager, Section 5.2 Prerequisites, Step 8a instructs you to prepare to configure LDAP synchronization (LDAP sync) in the domain where Oracle Identity Manager runs.

Step 8a directs you to Section 14.8.5 Completing the Prerequisites for Enabling LDAP Synchronization of the *Oracle Fusion Middleware Installation Guide for Oracle Identity Management*, Part Number E12002-09. This may be confusing as some steps of that section (such as creating the OIM user and group) are already complete.

Instead, Step 8a should direct you to Section 14.8.5.2 Creating Adapters in Oracle Virtual Directory of the *Oracle Fusion Middleware Installation Guide for Oracle Identity Management*, so that you can configure the Oracle Virtual Directory adapter for Oracle Internet Directory.

Also in Section 5.2 Prerequisites, Step 8c instructs you to run a configuration wizard to configure LDAP synchronization (LDAP sync) in the domain where Oracle Identity Manager runs. This step does not work if Oracle Identity Manager was installed without LDAP synchronization enabled.

Instead, Step 8c should direct you to Section 10.1 Enabling Postinstallation LDAP Synchronization of the *Oracle Fusion Middleware Administrator's Guide for Oracle Identity Manager*, Part Number E14308-08, for the correct procedure to enable LDAP synchronization post-installation.

18.7.3.2 Properties for configOIM Command

Section 5.4, Perform Integration Tasks in Oracle Identity Manager, does not provide definitions of all the properties to be specified in the properties file when executing the `-configOIM` command in Step 3.

Use the following property definitions to assist you in configuring the properties file of the procedure:

Table 18–1 Properties for configOIM Command

Property	Definition
LOGINURI	URI required by OPSS. Default value is <code>/\${app.context}/adfAuthentication</code>
LOGOUTURI	URI required by OPSS. Default value is <code>/oamssso/logout.html</code>
AUTOLOGINURI	URI required by OPSS. Default value is <code>/obrar.cgi</code>
ACCESS_SERVER_HOST	Oracle Access Manager hostname.
ACCESS_SERVER_PORT	Oracle Access Manager NAP port.
ACCESS_GATE_ID	The OAM access gate ID to which OIM needs to communicate.
OIM_MANAGED_SERVER_NAME	The name of the Oracle Identity Manager managed server. If clustered, any of the managed servers can be specified.
COOKIE_DOMAIN	Web domain on which the OIM application resides. Specify the domain in the format <code>.cc.example.com</code> .
COOKIE_EXPIRY_INTERVAL	Cookie expiration period. Set to <code>-1</code> .
OAM_TRANSFER_MODE	The security model in which the Access Servers function. Choices are <code>OPEN</code> or <code>SIMPLE</code> .
WEBGATE_TYPE	The type of WebGate agent you want to create. Set to <code>javaWebgate</code> if using a domain agent; set it to <code>ohsWebgate10g</code> if using a 10g WebGate.
SSO_ENABLED_FLAG	Flag to determine if SSO should be enabled. Set to <code>true</code> or <code>false</code> .
IDSTORE_PORT	The port number for the identity store (corresponding to the <code>IDSTORE_DIRECTORYTYPE</code>).

Table 18–1 (Cont.) Properties for configOIM Command

Property	Definition
IDSTORE_HOST	The hostname of the identity store (corresponding to the IDSTORE_DIRECTORYTYPE).
IDSTORE_DIRECTORYTYPE	The type of directory for which the authenticator must be created. <code>OID</code> for Oracle Internet Directory; <code>OVD</code> for all other directories.
IDSTORE_ADMIN_USER	User with admin privileges. Note that the entry must contain the complete LDAP DN of the user.
IDSTORE_USERSEARCHBASE	The location in the directory where users are stored.
IDSTORE_GROUPSEARCHBASE	The location in the directory where groups are stored
MDS_DB_URL	The URL for the MDS database.
MDS_DB_SCHEMA_USERNAME	The schema name for the MDS database.
WLSHOST	The WebLogic server hostname.
WLSPORT	The WebLogic server port number.
WLSADMIN	The WebLogic server administrator.
DOMAIN_NAME	The Oracle Identity Manager domain name.
DOMAIN_LOCATION	The Oracle Identity Manager domain location.

18.7.3.3 Updated Example for Integrating OIF/SP

In Section 4.3 Integrate Oracle Identity Federation in SP Mode, under sub-section 4.3.2 Delegate Authentication to Oracle Identity Federation, Step 7c contains an incorrect example of how to update the OIFDAP partner block in the `oam-config.xml` configuration file. The correct example should be:

```
registerOIFDAPPartner (keystoreLocation="/scratch/keystore",
logoutURL="http(s)://oifhost:oifport/fed/user/sploam1lg?doneURL=
http(s)://oamhost:oamport/oam/server/pages/logout.jsp", rolloverTime="500")
```

Note that `oifhost` and `oifport` refer to the Oracle Identity Federation server host and port respectively; and `oamhost` and `oamport` refer to the Oracle Access Manager server host and port respectively.

Oracle Entitlements Server

This chapter describes issues associated with Oracle Entitlements Server. It includes the following topics:

- [Section 19.1, "General Issues and Workarounds"](#)
- [Section 19.2, "Configuration Issues and Workarounds"](#)
- [Section 19.3, "Documentation Errata"](#)

19.1 General Issues and Workarounds

This section describes general issues and workarounds. It includes the following topic:

- [Using Backslash on Oracle Internet Directory Policy Store](#)
- [Performance Tuning the Oracle Database Policy Store](#)
- [Action Bar Disappears When Using Internet Explorer 7](#)
- [Re-created Application May Not Be Distributed in Controlled Mode](#)
- [Enterprise Manager Doesn't Pick Up Newly Added Audit Events](#)
- [Attributes Passed to Authorization Request Are Treated as Case Sensitive](#)
- [Audit Schema Definitions are Incomplete](#)
- [Java Security Module on IPv6 Client Not Supported on Windows](#)
- [Validating Attribute Names in Custom Functions](#)

19.1.1 Using Backslash on Oracle Internet Directory Policy Store

When a backslash (\) is used in a policy object name and the backslash is followed by either a pound sign (#) or two hex characters (`[a-fA-f_0-9][a-fA-f_0-9]`), searches for the object may not work as expected. The issue has been observed when one of either a Resource Type name or a Resource name and action association has such a value causing the query of permission sets by Resource Type, Resource name or action to fail.

WORKAROUND:

Avoid using these values in policy object names.

19.1.2 Performance Tuning the Oracle Database Policy Store

The Oracle `dbms_stats` package can be used to improve data migration performance on an Oracle database policy store. The exact SQL command to be executed is:

```
*EXEC DBMS_STATS.gather_schema_stats
('DEV_OPSS',DBMS_STATS.AUTO_SAMPLE_SIZE,no_invalidate=>FALSE);*
```

where DEV_OPSS is the schema owner being used for the database policy store. You can use the other two parameters as illustrated.

WORKAROUND:

You can run this DBMS_STATS call periodically using either of the options below:

- Use DBMS_JOB.

1. Copy and paste the following code to a SQL script.

In this example, the job will be executed every 10 minutes.

```
variable jobno number;
BEGIN
DBMS_JOB.submit
(job => :jobno,
what =>
'DBMS_STATS.gather_schema_stats(''DEV_OPSS'',DBMS_STATS.AUTO_SAMPLE_SIZE,
no_invalidate=>FALSE);',
interval => 'SYSDATE+(10/24/60)');
COMMIT;
END;
/
#end of sql script
```

2. Login to sqlplus as the schema owner; for example, 'DEV_OPSS' not sys_user.

3. Run the SQL script.

To find the job ID from the script you ran, execute the following:

```
sqlplus '/as sysdba'
SELECT job FROM dba_jobs WHERE schema_user = 'DEV_OPSS' AND what =
'DBMS_STATS.gather_schema_stats(''DEV_OPSS'',DBMS_STATS.AUTO_SAMPLE_SIZE,
no_invalidate=>FALSE);'
```

To remove the job, login to sqlplus as the schema owner (for example, 'DEV_OPSS' not sys_user) and run the following SQL command:

```
EXEC DBMS_JOB.remove(27);
```

- Use cron job or shell script to execute the SQL command.

```
# run dbms_stats periodically
./runopssstats.sh
# runopssstats.sh content is below:
# In this example, we will execute the command in every 10 minutes
#!/bin/sh

i=1
while [ $i -le 1000 ]
do
echo $i
sqlplus dev_opss/welcome1@inst1 @opssstats.sql
sleep 600
i=`expr $i + 1`
done
# end of sh

# opssstats.sql
```

```
EXEC DBMS_STATS.gather_schema_stats('DEV_OPSS',
  DBMS_STATS.AUTO_SAMPLE_SIZE,no_invalidate=>FALSE);
QUIT;
# end of sql
```

19.1.3 Action Bar Disappears When Using Internet Explorer 7

If you are using Internet Explorer 7 and select a role or user from an Administrator Role under System Configuration -> System Administrators, the action bar disappears thus, External Role Mappings and External User Mappings can not be deleted.

WORKAROUND:

This issue is specific to Internet Explorer 7. Use Firefox 3.

19.1.4 Re-created Application May Not Be Distributed in Controlled Mode

In some cases, when the PDP Service is running in controlled mode, if one Application object is deleted from the policy store and re-created using the same name, the change may not be distributed to the PDP Service. This is because the Application in the local cache has a higher version than the one in the policy store.

WORKAROUND:

Remove the local cache files for the PDP service and restart the PDP Service instance. The `oracle.security.jps.runtime.pd.client.localpolicy.work_folder` configuration parameter defines the path to the cache. The default value is `<SM_INSTANCE>/config/work/`.

19.1.5 Enterprise Manager Doesn't Pick Up Newly Added Audit Events

`component_events.xml` is the audit event definition file used by configuration tools (like Enterprise Manager and WebLogic Scripting Tool) and by the audit runtime and database loader. You need to modify the `component_events.xml` file to insure that Enterprise Manager picks up all newly added events in the Low /Medium list.

WORKAROUND:

1. Log out of Enterprise Manager.
2. Open the `component_events.xml` file.
This file is located in the `$IDM_OPSS_ORACLE_HOME/modules/oracle.iau_11.1.1/components/JPS/` directory.
3. Search for `<FilterPresetDefinition name="Low">`.
4. In the event list, change `purgeDistributionStatus` to `PurgeDistributionStatus`.
Note the capitalization.
5. Search for `<FilterPresetDefinition name="Medium">`.
6. In the event list, change `purgeDistributionStatus` to `PurgeDistributionStatus`.
Note the capitalization.
7. Save the file and close it.
8. Start Enterprise Manager.

19.1.6 Attributes Passed to Authorization Request Are Treated as Case Sensitive

When using the PEP API names of passed attributes, they must be in the same case as those mentioned in the policies.

19.1.7 Audit Schema Definitions are Incomplete

The IAUOES audit schema is not synchronized with Oracle Entitlements Server event definitions, so it does not contain the necessary columns for this component. Consequently, data cannot be stored in the appropriate columns and audit reports cannot be run against Oracle Entitlements Server data.

WORKAROUND - Option 1

Use this option if RCU has not yet been run. The steps are:

1. Locate JPS.sql at this location:

```
$RCU_HOME/rcu/integration/iauoess/scripts/JPS.sql
```

Modify the file permission, making the file writable.

2. Copy over the file:

```
$IDM_OPSS_ORACLE_HOME/modules/oracle.iau_11.1.1/sql/scripts/JPS.sql
```

to:

```
$RCU_HOME/rcu/integration/iauoess/scripts/JPS.sql
```

3. Run RCU to create the IAUOES schema.

WORKAROUND - Option 2

Use this option if RCU has already been run. The steps are:

1. Copy over the file:

```
$IDM_OPSS_ORACLE_HOME/modules/oracle.iau_11.1.1/sql/scripts/JPS.sql
```

to the directory from which you run sqlplus.

2. Connect to sqlplus as sysdba.

3. Run the following commands at the SQL prompt:

- a. `alter session set current_schema=audit_schema_user`
- b. `drop table JPS;`
- c. `@@JPS.sql audit_schema_user audit_schema_user_Append audit_schema_user_Viewer;`

19.1.8 Java Security Module on IPv6 Client Not Supported on Windows

Because of an issue with the JDK 1.6, the Java Security Module is not supported when using a Windows IPv6 client. We are working with the JDK development team for a resolution.

19.1.9 Validating Attribute Names in Custom Functions

When using custom function implementations, if the attribute name is invalid, the result of the authorization request could be wrong. Thus, attribute names must be validated before retrieving their values.

WORKAROUND:

Use the following code in custom function implementations to validate attribute names.

```
boolean isValidAttributeName(String name) {  
    if (name == null) return false;  
    return name.matches("[A-Za-z_][A-Za-z0-9_]*");  
}
```

19.2 Configuration Issues and Workarounds

There are no configuration issues at this time.

19.3 Documentation Errata

There are no documentation errata at this time.

Oracle Identity Federation

This chapter describes issues associated with Oracle Identity Federation. It includes the following topics:

- Section 20.1, "General Issues and Workarounds"
- Section 20.2, "Configuration Issues and Workarounds"
- Section 20.3, "Documentation Errata"

20.1 General Issues and Workarounds

This section describes general issues and workarounds. It includes the following topics:

- Section 20.1.1, "Database Table for Authentication Engine must be in Base64 Format"
- Section 20.1.2, "Considerations for Oracle Identity Federation HA in SSL mode"
- Section 20.1.3, "Database Column Too Short error for IDPPROVIDEDNAMEIDVALUE"

20.1.1 Database Table for Authentication Engine must be in Base64 Format

When using a database table as the authentication engine, and the password is stored hashed as either MD5 or SHA, it must be in base64 format.

The hashed password can be either in the base64-encoded format or with a prefix of {SHA} or {MD5}. For example:

```
{SHA}qUqP5cyxm6YcTAhz05Hph5gvu9M=
```

20.1.2 Considerations for Oracle Identity Federation HA in SSL mode

In a high availability environment with two (or more) Oracle Identity Federation servers mirroring one another and a load balancer at the front-end, there are two ways to set up SSL:

- Configure SSL on the load balancer, so that the SSL connection is between the user and the load balancer. In that case, the keystore/certificate used by the load balancer has a CN referencing the address of the load balancer.

The communication between the load balancer and the WLS/Oracle Identity Federation can be clear or SSL (and in the latter case, Oracle WebLogic Server can use any keystore/certificates, as long as these are trusted by the load balancer).

- SSL is configured on the Oracle Identity Federation servers, so that the SSL connection is between the user and the Oracle Identity Federation server. In this case, the CN of the keystore/certificate from the Oracle WebLogic Server/Oracle Identity Federation installation needs to reference the address of the load balancer, as the user will connect using the hostname of the load balancer, and the Certificate CN needs to match the load balancer's address.

In short, the keystore/certificate of the SSL endpoint connected to the user (load balancer or Oracle WebLogic Server/Oracle Identity Federation) needs to have its CN set to the hostname of the load balancer, since it is the address that the user will use to connect to Oracle Identity Federation.

20.1.3 Database Column Too Short error for IDPPROVIDEDNAMEIDVALUE

Problem

When Oracle Identity Federation is configured to use a database store for session and message data store, the following error is seen if data for IDPPROVIDEDNAMEID is over 200 characters long:

```
ORA-12899: value too large for column  
"WDO_OIF"."ORAFEDTMPPROVIDERFED"."IDPPROVIDEDNAMEIDVALUE" (actual: 240,  
maximum: 200)\n]
```

Workaround

Alter table ORAFEDTMPPROVIDERFED to increase the column size for "idpProvidedNameIDValue" to 240.

20.2 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 20.2.1, "WLST Environment Setup when SOA and OIF are in Same Domain"](#)
- [Section 20.2.2, "Oracle Virtual Directory Requires LSA Adapter"](#)
- [Section 20.2.3, "Settings for Remote WS-Fed SP Must be Changed Dynamically"](#)
- [Section 20.2.4, "Required Property when Creating a WS-Fed Trusted Service Provider"](#)
- [Section 20.2.5, "Federated Identities Table not Refreshed After Record Deletion"](#)
- [Section 20.2.6, "Default Authentication Scheme is not Saved"](#)
- [Section 20.2.7, "Configuring 10g to Work with 11g Oracle Identity Federation using Artifact Profile"](#)
- [Section 20.2.8, "Regenerating OAM 11g Key Requires Oracle Identity Federation Upgrade Script"](#)

20.2.1 WLST Environment Setup when SOA and OIF are in Same Domain

If your site contains Oracle SOA Suite and Oracle Identity Federation in the same domain, the WLST setup instructions in the *Oracle Fusion Middleware Administrator's Guide for Oracle Identity Federation* are insufficient for WLST to correctly execute Oracle Identity Federation commands.

This can happen if you install an IdM domain, then extend it with an Oracle SOA install; the SOA installer changes the `ORACLE_HOME` environment variable. This breaks the Oracle Identity Federation `WLST` environment, as it relies on the IdM value for `ORACLE_HOME`.

Take these steps to enable the use of `WLST` commands:

1. Execute the instructions described in Section 9.1.1, *Setting up the WLST Environment*, in the *Oracle Fusion Middleware Administrator's Guide for Oracle Identity Federation*.
2. Copy `OIF-ORACLE_HOME/fed/script/*.py` to `WL_HOME/common/wlst`.
3. Append the `CLASSPATH` environment variable with `OIF-ORACLE_HOME/fed/scripts`.

20.2.2 Oracle Virtual Directory Requires LSA Adapter

To use Oracle Virtual Directory as an Oracle Identity Federation user store or an authentication engine, you must configure a Local Storage Adapter, and the context root must be created as required at installation or post-install configuration time.

For details about this task, see the chapter *Creating and Configuring Oracle Virtual Directory Adapters* in the *Oracle Fusion Middleware Administrator's Guide for Oracle Virtual Directory*.

20.2.3 Settings for Remote WS-Fed SP Must be Changed Dynamically

On the Edit Federations page, the Oracle Identity Federation (OIF) settings for remote WS-Fed service provider contain a property called **SSO Token Type**; you can choose to either inherit the value from the IdP Common Settings page or override it here. The number of properties shown in 'OIF Settings' depends on the value of **SSO Token Type**.

If you choose to override **SSO Token Type** with a different value (for example, by changing from SAML2.0 to SAML1.1), the number of properties shown in 'OIF Settings' does not change until you click the **Apply** button.

Also, if you have overridden the value for **Default NameID Format** to 'Persistent Identifier' or 'Transient/One-Time Identifier', then changed the **SSO Token Type** value from 'SAML2.0' to 'SAML1.1' or 'SAML1.0', you will notice that the value for **Default NameID Format** is now blank. To proceed, you must reset this property to a valid value from the list.

20.2.4 Required Property when Creating a WS-Fed Trusted Service Provider

When you create a WS-Fed Trusted Service Provider, you must set the value for the 'Use Microsoft Web Browser Federated Sign-On' property with these steps:

1. In Fusion Middleware Control, navigate to **Federations**, then **Edit Federations**.
2. Choose the newly create WS-Fed Trusted Service Provider and click **Edit**.
3. In the 'Trusted Provider Settings' section, set the value for Use Microsoft Web Browser Federated Sign-On by checking or unchecking the check-box.
4. Click **Apply**.

20.2.5 Federated Identities Table not Refreshed After Record Deletion

When the federation store is XML-based, a record continues to be displayed in the federated identities table after it is deleted.

The following scenario illustrates the issue:

1. The federation data store is XML.
2. Perform federated SSO, using "map user via federated identity".
3. In Fusion Middleware Control, locate the Oracle Identity Federation instance, and navigate to **Administration**, then **Identities**, then **Federated Identities**.
4. Click on the created federation record and delete it.

After deletion, the federated record is still in the table. Further attempts at deleting the record result in an error.

The workaround is to manually refresh the table by clicking **Search**.

20.2.6 Default Authentication Scheme is not Saved

Problem

This problem is seen when you configure Oracle Access Manager in Fusion Middleware Control as a Service Provider Integration Module. It is not possible to set a default authentication scheme since the default is set to a certain scheme (say OIF-password-protected) but the radio button is disabled.

Solution

Take these steps to set the preferred default authentication scheme:

1. Check the **Create** check-box for the scheme that is currently set as the default but disabled.
2. Check the **Create** check-box(es) for the authentication scheme(s) that you would like to create.
3. Click the radio button of the scheme that you wish to set as the default.
4. Uncheck the **Create** check-box of the scheme in Step 1 only if you do not want to create the scheme.
5. Provide all the required properties in the page.
6. Click the **Configure Oracle Access Manager** button to apply the changes.

The default authentication scheme is now set to the one that you selected.

Note: In addition, when trying to remove any authentication scheme, ensure that you do not remove the default scheme; if you must remove the scheme, change the default to another authentication scheme before you remove the scheme.

20.2.7 Configuring 10g to Work with 11g Oracle Identity Federation using Artifact Profile

In the SAML 1.x protocol, for a 10g Oracle Identity Federation server to work with an 11g Oracle Identity Federation server using the Artifact profile, you need to set up either basic authentication or client cert authentication between the two servers.

For instructions, see:

- Section 6.9 Protecting the SOAP Endpoint, in the *Oracle Fusion Middleware Administrator's Guide for Oracle Identity Federation*, 11g Release 1 (11.1.1)
- Section 6.5.13.2 When Oracle Identity Federation is an SP, in the *Oracle Identity Federation Administrator's Guide*, 10g (10.1.4.0.1)

20.2.8 Regenerating OAM 11g Key Requires Oracle Identity Federation Upgrade Script

In Oracle Enterprise Manager Fusion Middleware Control, when you configure the SP Integration Module for Oracle Access Manager 11g, you can regenerate the secret key by clicking the **Regenerate** button (Service Provider Integration Modules page, Oracle Access Manager 11g tab).

In an upgraded 11.1.1.7.0 environment, it is necessary to execute the Oracle Identity Federation upgrade script *before* you regenerate the OAM 11g secret key from this page. For details about how to run the script, see the *Oracle Fusion Middleware Patching Guide*.

20.3 Documentation Errata

This section contains documentation errata for the *Oracle Fusion Middleware Administrator's Guide for Oracle Identity Federation*.

Note: For documentation errata and other release notes relating to the integration of Oracle Identity Federation with Oracle Access Manager 11g, see the chapter for "Oracle Access Manager."

This section contains these topics:

- [Section 20.3.1, "Incorrect Command Cited for BAE Configuration Procedure"](#)
- [Section 20.3.2, "SP Post-Processing Plug-in Properties for OAM 11g"](#)
- [Section 20.3.3, "Short Hostname Redirect Using mod_rewrite Configuration"](#)

20.3.1 Incorrect Command Cited for BAE Configuration Procedure

In the *Oracle Fusion Middleware Administrator's Guide for Oracle Identity Federation*, Part Number E13400-06, Section 6.8.2 Configuring the BAE Direct Attribute Exchange Profile, subsection "Set the BAE Direct Attribute Exchange Profile for a Partner", the procedure incorrectly documents the WLST command `setPartnerProperty` instead of the correct `setFederationProperty` command.

Replace the two commands mentioned in that subsection with:

```
setFederationProperty("PARTNER_PROVIDER_ID", "attributebaeenabled" ,
"true", "boolean")
```

```
setFederationProperty("PARTNER_PROVIDER_ID", "attributebaeenabled" ,
"false", "boolean")
```

to set and unset the BAE property, respectively.

20.3.2 SP Post-Processing Plug-in Properties for OAM 11g

In the *Oracle Fusion Middleware Administrator's Guide for Oracle Identity Federation*, Part Number E13400-06, Section 12.5.2 Configuring Oracle Identity Federation for the Plug-in is missing the properties needed to configure Oracle Access Manager 11g.

Add the following row to the end of Table 12-3 SP Engine Configuration for Post-processing Plug-in; this row shows the properties needed for Oracle Access Manager 11g:

SP Engine	web context property	relative path property
OAM 11g	oam11g-login-context	oam11g-login

20.3.3 Short Hostname Redirect Using mod_rewrite Configuration

In the *Oracle Fusion Middleware Administrator's Guide for Oracle Identity Federation*, Part Number E13400-06, Section 3.2.2.2 Integrate Oracle Single Sign-On with OHS (as well as earlier editions with the same section), the code in comments (lines starting with #) at the end of the section should be revised to use a mod_rewrite configuration.

Replace the text:

```
#
# If you would like to have short hostnames redirected to
# fully qualified hostnames to allow clients that need
# authentication via mod_osso to be able to enter short
# hostnames into their browsers uncomment out the following
# lines
#
#PerlModule Apache::ShortHostnameRedirect
#PerlHeaderParserHandler Apache::ShortHostnameRedirect
```

with the text:

```
#
# To have short hostnames redirected to fully qualified
# hostnames for clients that need authentication via
# mod_osso to be able to enter short hostnames into their
# browsers use a mod_rewrite configuration such as the following.
#
# e.g
#RewriteEngine On
#RewriteCond %{HTTP_HOST} !www.example.com
#RewriteRule ^.*$ http://%{SERVER_NAME}%{REQUEST_URI} [R]
#where www.example.com is the fully qualified domain name.
```

Oracle Identity Manager

This chapter describes issues associated with Oracle Identity Manager. It includes the following topics:

- Section 21.1, "Patch Requirements"
- Section 21.2, "General Issues and Workarounds"
- Section 21.3, "Configuration Issues and Workarounds"
- Section 21.4, "Multi-Language Support Issues and Limitations"
- Section 21.5, "Documentation Errata"

21.1 Patch Requirements

This section describes patch requirements for Oracle Identity Manager 11g Release 1 (11.1.1). It includes the following sections:

- [Obtaining Patches From My Oracle Support \(Formerly OracleMetaLink\)](#)
- [Patch Requirements for Oracle Database 11g \(11.1.0.7\)](#)
- [Patch Requirements for Oracle Database 11g \(11.2.0.2.0\)](#)
- [Patch Requirements for Segregation of Duties \(SoD\)](#)
- [Patch Upgrade Requirement](#)

21.1.1 Obtaining Patches From My Oracle Support (Formerly OracleMetaLink)

To obtain a patch from My Oracle Support (formerly OracleMetaLink), go to following URL, click **Patches and Updates**, and search for the patch number:

<https://support.oracle.com/>

21.1.2 Patch Requirements for Oracle Database 11g (11.1.0.7)

Table 21–1 lists patches required for Oracle Identity Manager 11g Release 1 (11.1.1) configurations that use Oracle Database 11g (11.1.0.7). Before you configure Oracle Identity Manager 11g, be sure to apply the patches to your Oracle Database 11g (11.1.0.7) database.

Table 21–1 Required Patches for Oracle Database 11g (11.1.0.7)

Platform	Patch Number and Description on My Oracle Support
UNIX / Linux	7614692: BULK FEATURE WITH 'SAVE EXCEPTIONS' DOES NOT WORK IN ORACLE 11G

Table 21–1 (Cont.) Required Patches for Oracle Database 11g (11.1.0.7)

Platform	Patch Number and Description on My Oracle Support
	7000281: DIFFERENCE IN FORALL STATEMENT BEHAVIOR IN 11G
	8327137: WRONG RESULTS WITH INLINE VIEW AND AGGREGATION FUNCTION
	8617824: MERGE LABEL REQUEST ON TOP OF 11.1.0.7 FOR BUGS 7628358 7598314
Windows 32 bit	8689191: ORACLE 11G 11.1.0.7 PATCH 16 BUG FOR WINDOWS 32 BIT
Windows 64 bit	8689199: ORACLE 11G 11.1.0.7 PATCH 16 BUG FOR WINDOWS (64-BIT AMD64 AND INTEL EM64T)

Note: The patches listed for UNIX/Linux in [Table 21–1](#) are also available by the same names for Solaris SPARC 64 bit.

21.1.3 Patch Requirements for Oracle Database 11g (11.2.0.2.0)

If you are using Oracle Database 11g (11.2.0.2.0), make sure that you download and install the appropriate version (based on the platform) for the RDBMS Patch Number 9776940. This is a prerequisite for installing the Oracle Identity Manager schemas.

[Table 21–2](#) lists the patches required for Oracle Identity Manager 11g Release 1 (11.1.1) configurations that use Oracle Database 11g Release 2 (11.2.0.2.0). Make sure that you download and install the following patches before creating Oracle Identity Manager schemas.

Table 21–2 Required Patches for Oracle Database 11g (11.2.0.2.0)

Platform	Patch Number and Description on My Oracle Support
Linux x86 (32-bit)	RDBMS Interim Patch#9776940.
Linux x86 (64-bit)	
Oracle Solaris on SPARC (64-bit)	
Oracle Solaris on x86-64 (64-bit)	
Microsoft Windows x86 (32-bit)	Bundle Patch 2 [Patch#11669994] or later. The latest Bundle Patch is 4 [Patch# 11896290].
Microsoft Windows x86 (64-bit)	Bundle Patch 2 [Patch# 11669995] or later. The latest Bundle Patch is 4 [Patch# 11896292].

If this patch is not applied, then problems might occur in user and role search and manager lookup. In addition, search results might return empty result.

Note:

- Apply this patch in ONLINE mode. Refer to the readme.txt file bundled with the patch for the steps to be followed.
- In some environments, the RDBMS Interim Patch has been unable to resolve the issue, but the published workaround works. Refer to the metalink note "Wrong Results on 11.2.0.2 with Function-Based Index and OR Expansion due to fix for Bug:8352378 [Metalink Note ID 1264550.1]" for the workaround. This note can be followed to set the parameters accordingly with the only exception that they need to be altered at the Database Instance level by using ALTER SYSTEM SET <param>=<value> scope=<memory> or <both>.

21.1.4 Patch Requirements for Segregation of Duties (SoD)

Table 21–3 lists patches that resolve known issues with Segregation of Duties (SoD) functionality:

Table 21–3 SoD Patches

Patch Number / ID	Description and Purpose
Patch number 9819201 on My Oracle Support	Apply this patch on the SOA Server to resolve the known issue described in "SoD Check During Request Provisioning Fails While Using SAML Token Client Policy When Default SoD Composite is Used" . The description of this patch on My Oracle Support is "ERROR WHILE USING SAML TOKEN CLIENT POLICY FOR CALLBACK."
Patch ID 3M68 using the Oracle Smart Update utility. Requires passcode: 6LUNDUC7.	Using the Oracle Smart Update utility, apply this patch on the Oracle WebLogic Server to resolve the known issue described in "SoD Check Fails While Using Client-Side Policy in Callback Invocation During Request Provisioning" .

Note: The SoD patches are required to resolve the known issues in Oracle Identity Manager 11g Release 1 (11.1.1.3), but these patches are not required in 11g Release 1 (11.1.1.5).

21.1.5 Patch Upgrade Requirement

While applying the patch provided by Oracle Identity Manager, the following error is generated:

```
ApplySession failed: ApplySession failed to prepare the system.
```

OPatch version 11.1.0.8.1 must be upgraded to version 11.1.0.8.2 to meet the version requirement.

See ["Obtaining Patches From My Oracle Support \(Formerly OracleMetaLink\)"](#) on page 21-1 for information about downloading OPatch from My Oracle Support.

21.2 General Issues and Workarounds

This section describes general issues and workarounds. It includes the following topics:

- [Do Not Use Platform Archival Utility](#)
- [SPML-DSML Service is Unsupported](#)
- [Resource Object Names Longer than 100 Characters Cause Import Failure](#)
- [Status of Users Created Through the Create and Modify User APIs](#)
- [Status of Locked Users in Oracle Access Manager Integrations](#)
- [Generating an Audit Snapshot after Bulk-Loading Users or Accounts](#)
- [Browser Timezone Not Displayed](#)
- [Date Format Change in the SoD Timestamp Field Not Supported](#)
- [Bulk Loading CSV Files with UTF-8 BOM Encoding Not Supported](#)
- [Date Type Attributes are Not Supported for the Default Scheduler Job, "Job History Archival"](#)
- [Low File Limits Prevent Adapters from Compiling](#)
- [Reconciliation Engine Requires Matching Rules](#)
- [SPML Requests Do Not Report When Any Date is Specified in Wrong Format](#)
- [Logs Populated with SoD Exceptions When the SoD Message Fails and Gets Stuck in the Queue](#)
- [Underscore Character Cannot Be Used When Searching for Resources](#)
- [Assign to Administrator Action Rule is Not Supported by Reconciliation](#)
- [Some Buttons on Attestation Screens Do Not Work in Mozilla Firefox](#)
- [The maxloginattempts System Property Causes Autologin to Fail When User Tries to Unlock](#)
- ["<User not found>" Error Message Appears in AdminServer Console While Setting-Up an Oracle Identity Manager-Oracle Access Manager Integration](#)
- [Do Not Use Single Quote Character in Reconciliation Matching Rule](#)
- [Do Not Use Special Characters When Reconciling Roles from LDAP](#)
- [SoD Check During Request Provisioning Fails While Using SAML Token Client Policy When Default SoD Composite is Used](#)
- [SoD Check Fails While Using Client-Side Policy in Callback Invocation During Request Provisioning](#)
- [Error May Appear During Provisioning when Generic Technology Connector Framework Uses SPML](#)
- [Cannot Click Buttons in TransUI When Using Mozilla Firefox](#)
- [LDAP Handler May Cause Invalid Exception While Creating, Deleting, or Modifying a Role](#)
- [Cannot Reset User Password Comprised of Non-ASCII Characters](#)
- [Benign Exception and Error Message May Appear While Patching Authorization Policies](#)

- The DateTime Pick in the Trans UI Does Not Work Correctly in the Thai Locale
- User Without Access Policy Administrators Role Cannot View Data in Access Policy Reports
- Archival Utility Throws an Error for Empty Date
- TransUI Closes with Direct Provisioning of a Resource
- Scheduler Throws "ParameterValueTypeNotSupportedException" Instead of "RequiredParameterNotSetException"
- All New User Attributes Are Not Supported for Attestation in Oracle Identity Manager 11g
- LDAP GUID Mapping to Any Field of Trusted Resource Not Supported
- User Details for Design Console Access Field Must Be Mapped to Correct Values When Reading Modify Request Results
- Cannot Create a User Containing Asterisks if a Similar User Exists
- Blank Status Column Displayed for Past Proxies
- Mapping the Password Field in a Reconciliation Profile Prevents Users from Being Created
- UID Displayed as User Login in User Search Results
- Roles/Organizations Browse Trees Disappear
- Entitlement Selection Is Not Optional for Data Gathering
- Oracle Identity Manager Server Throws Generic Exception While Deploying a Connector
- Create User API Allows Any Value for the "Users.Password Never Expires", "Users.Password Cannot Change", and "Users.Password Must Change" Fields
- Incorrect Label in JGraph Screen for the GTC
- Running the Workflow Registration Utility Generates an Error
- Native Performance Pack is Not Enabled On Solaris 64-bit JVM Install
- Error in the Create Generic Technology Connector Wizard
- DSML Profile for the SPML Web Service is Not Deployed With Oracle Identity Manager
- New Human Tasks Must Be Copied in SOA Composites
- Modify Provisioned Resource Request Does Not Support Service Account Flag
- Erroneous "Query by Example" Icon in Identity Administration Console
- The XL.ForcePasswordChangeAtFirstLogin System Property Is No Longer Used
- The tcExportOperationsIntf.findObjects(type,name) API Does Not Accept the Asterisk (*) Wilcard Character in Both Parameters
- Disabled Links on the Access Policy Summary Page Opened in Mozilla FireFox
- Benign Error is Generated on Editing the IT Resource Form in Advanced Administration
- User Account is Not Locked in iPlanet Directory Server After it is Locked in Oracle Identity Manager
- Oracle Identity Manager Does Not Support Autologin With JavaAgent

- Benign Error Logged on Opening Access Policies, Resources, or Attestation Processes
- User Locked in Oracle Identity Manager But Not in LDAP
- Reconciliation Profile Must Not Be Regenerated Via Design Console for Xellerate Organization Resource Object
- Benign Error Logged on Clicking Administration After Upgrade
- Provisioning Fails Through Access Policy for Provisioned User
- Benign Warning Messages Displayed During Oracle Identity Manager Managed Server Startup
- Benign Message Displayed When Running the Deployment Manager
- Deployment Manager Export Fails When Started Using Microsoft Internet Explorer 7 With JRE Plugin 1.6_23
- User Creation Fails in Microsoft Active Directory When Value of Country Attribute Exceeds Two Characters
- Permission on Target User Required to Revoke Resource
- Reconciliation Event Fails for Trusted Source Reconciliation Because of Missing Reconciliation Rule in Upgraded Version of Oracle Identity Manager
- XML Validation Error on Oracle Identity Manager Managed Server Startup
- Cannot View or Edit Adapter Mapping in the Data Object Manager Form of the Design Console
- Role Memberships for Assign or Revoke Operations Not Updated on Enabling or Disabling Referential Integrity Plug-in
- Reconciliation Data Displays Attributes That Are Not Modified
- Benign Errors Displayed on Starting the Scheduler Service When There are Scheduled Jobs to be Recovered
- Trusted Source GTC Reconciliation Mapping Cannot Display Complete Attribute Names
- Benign Error Logged for Database Connectivity Test
- MDS Validation Error When Importing GTC Provider Through the Deployment Manager
- Encrypted User-Defined Field (UDF) Cannot be Stored with Size of 4000 Characters or More
- Request Approval Fails With Callback Service Failure
- Localized Display Name is Not Reconciled Via User/Role Incremental Reconciliation with iPlanet Directory Server
- LDAP Role Hierarchy and Role Membership Reconciliation With Non-ASCII Characters Does Not Reconcile Changes in Oracle Identity Manager
- Import of Objects Fails When All Objects Are Selected for Export
- Benign Audit Errors Logged After Upgrade
- Connector Upgrade Fails if Existing Data is Bigger in Size Than New Column Length

- Connector Artifacts Count Increases in the Deployment Manager When File is Not Imported
- Uploading JAR Files By Using the Upload JAR Utility Fails
- Oracle Identity Manager Data and MT Upgrade Fails Because Change of Database User Password
- Reverting Unsaved UDFs Are Not Supported in the Administration Details Page for Roles and Organizations
- Resources Provisioned to User Without Checking Changes in User Status After Request is Submitted
- Config.sh Command Fails When JRockit is Installed With Data Samples and Source
- Unexpected Memory Usage in Oracle Identity Manager 11g Release 1(11.1.1)
- Reports Link No Longer Exists in the Administrative and User Console
- Not Allowing to Delete a Role Whose Assigned User Members are Deleted
- Roles and Organizations Do Not Support String UDFs of Password Type
- Manage Localizations Dialog Box Does Not Open After Modifying Roles
- Not Allowing to Create User With Language-Specific Display Name Values
- SoD Check Results Not Displayed for Requests Created by Users for the PeopleSoft Resource
- The XL.UnlockAfter System Property and the Automatically Unlock User Scheduled Job Do Not Take Effect
- Resetting Password on Account Lockout Does Not Unlock User
- Incremental and Full Reconciliation Jobs Cannot Be Run Together
- Incorrect Content in the ScheduleTask Jars Loaded and Third Party Jars Tables in the MT Upgrade Report
- Scroll Bar Not Available on the Select Connector Objects to Be Upgraded Page of the Connector Management - Upgrading Wizard
- Adapter Import Might Display Adapter Logic if Compilation Fails Because of Incorrect Data
- XIMDD Tests Fail in Oracle Identity Manager

21.2.1 Do Not Use Platform Archival Utility

Currently, the Platform Archival Utility is not supported and should not be used.

To work around this issue, use the predefined scheduled task named **Orchestration Process Cleanup Task** to delete all completed orchestration processes and related data.

21.2.2 SPML-DSML Service is Unsupported

Oracle Identity Manager's SPML-DSML Service is currently unsupported in 11g Release 1 (11.1.1). However, you can manually deploy the spml-dsml.ear archive file for Microsoft Active Directory password synchronization.

21.2.3 Resource Object Names Longer than 100 Characters Cause Import Failure

If a resource object name is more than 100 characters, an error occurs in the database and the resource object is not imported. To work around this issue, change the resource object's name in the XML file so the name is less than 100 characters.

21.2.4 Status of Users Created Through the Create and Modify User APIs

You cannot create users in Disabled State. Users are always created in Active State.

The Create and Modify User APIs do not honor the Users.Disable User attribute value. If you pass a value to the Users.Disable User attribute when calling the Create API, Oracle Identity Manager ignores this value and the USR table is always populated with a value of 0, which indicates the user's state is Active.

Use the Disable API to disable a user.

21.2.5 Status of Locked Users in Oracle Access Manager Integrations

When Oracle Access Manager locks a user account in an Oracle Identity Manager-Oracle Access Manager integration, it may take approximately five minutes, or the amount of time defined by the incremental reconciliation scheduled interval, for the status of the locked account to be reconciled and appear in Oracle Identity Manager. However, if a user account is locked or unlocked in Oracle Identity Manager, the status appears immediately.

21.2.6 Generating an Audit Snapshot after Bulk-Loading Users or Accounts

The `GenerateSnapshot.[sh | bat]` option does not work correctly when invoked from the Bulk Load utility. To work around this issue and generate a snapshot of the initial audit after bulk loading users or accounts, you must run `GenerateSnapshot.[sh | bat]` from the `$OIM_HOME/bin/` directory.

21.2.7 Browser Timezone Not Displayed

Due to an ADF limitation, the browser timezone is currently not accessible to Oracle Identity Manager. Oracle Identity Manager bases the timezone information in all date values on the server's timezone. Consequently, end users will see timezone information in the date values, but the timezone value will display the server's timezone.

21.2.8 Date Format Change in the SoD Timestamp Field Not Supported

The date-time value that end users see in the Segregation of Duties (SoD) Check Timestamp field on the SoD Check page will always display as "YYYY-MM-DD hh:mm:ss" and this format cannot be localized.

To work around this localization issue, perform the following steps:

1. Open the "Oracle_eBusiness_User_Management_9.1.0.1.0/xml/Oracle-eBusinessSuite-TCA-Main-ConnectorConfig.xml" file.

- In the EBS Connector import xml, locate the SoDCheckTimeStamp field for the Process Form. Change <SDC_FIELD_TYPE> to 'DateFieldDlg' and change <SDC_VARIANT_TYPE> to 'Date' as shown in the following example:

```
<FormField name = "UD_EBST_USR_SODCHECKTIMESTAMP">
  <SDC_UPDATE>!Do not change this field!</SDC_UPDATE>
  <SDC_LABEL>SoDCheckTimeStamp</SDC_LABEL>
  <SDC_VERSION>1</SDC_VERSION>
  <SDC_ORDER>23</SDC_ORDER>
  <SDC_FIELD_TYPE>DateFieldDlg</SDC_FIELD_TYPE>
  <SDC_DEFAULT>0</SDC_DEFAULT>
  <SDC_ENCRYPTED>0</SDC_ENCRYPTED>
  <!--SDC_SQL_LENGTH>50</SDC_SQL_LENGTH-->
  <SDC_VARIANT_TYPE>Date</SDC_VARIANT_TYPE>
</FormField>
```

- Import the Connector.
- Enable SoD Check.
- Provision the EBS Resource with entitlements to trigger an SoD Check.
- Check the SoDCheckTimeStamp field in Process Form to confirm it is localized like the other date fields in the form.

21.2.9 Bulk Loading CSV Files with UTF-8 BOM Encoding Not Supported

Bulk loading a CSV file for which UTF-8 BOM (byte order mark) encoding is specified causes an error. However, bulk-loading UTF-8 encoded CSV files works as expected if you specify "no BOM" encoding.

To work around this issue,

- If you want to load non-ASCII data, you must change your CSV file encoding to "UTF-8 no BOM" before loading the CSV file.
- If your data is stored in CSV files with "UTF-8 BOM" encoding, you must change them to "UTF-8 no BOM" encoding before running the bulkload script.

21.2.10 Date Type Attributes are Not Supported for the Default Scheduler Job, "Job History Archival"

The default Scheduler job, "Job History Archival," does not support date type attributes.

The "Archival Date" attribute parameter in "Job History Archival" only accepts string patterns such as "ddMMyyyy" and "MMM DD, yyyy."

When you run a Scheduler job, the code checks the date format. If you enter the wrong format, an error similar to the following example, displays in the execution status list and in the log console:

```
<IAM-1020063> <Incorrect format of Archival Date parameter. Archival Date is
expected in DDMMYYYY or UI Date format.>
```

The job cannot run successfully until you input the correct Archival Date information.

21.2.11 Low File Limits Prevent Adapters from Compiling

On machines where the file limits are set too low, trying to create and compile an entity adapter causes a "Too many open files" error and the adapter will not compile.

To work around this issue, change the file limits on your machine to the following (located in /etc/security/limits.conf) and then restart the machine:

- softnofile 4096
- hardnofile 4096

21.2.12 Reconciliation Engine Requires Matching Rules

Currently, Oracle Identity Manager's Reconciliation Engine in 11g Release 1 (11.1.1) requires you to define a matching rule to identify the users for every connector in reconciliation. Errors will occur during reconciliation if you do not define a matching rule to identify users.

21.2.13 SPML Requests Do Not Report When Any Date is Specified in Wrong Format

When any date, such as activeStartDate, hireDate, and so on, is specified in an incorrect format, the Web server does not pass those values to the SPML layer. Only valid dates are parsed and made available to SPML. Consequently, when any SPML request that contains an invalid date format, the invalid date format from the request is ignored and is not available for that operation. For example, if you specify the HireDate month as "8" instead of "08," the HireDate will not be populated after the Create request is completed and no error message is displayed.

The supported date format is:

```
yyyy-MM-dd hh:mm:ss.fffffffff
```

No other date format is supported.

21.2.14 Logs Populated with SoD Exceptions When the SoD Message Fails and Gets Stuck in the Queue

SoD functionality uses JMS-based processing. Oracle Identity Manager submits a message to the oimSODQueue for each SoD request. If for some reason an SoD message always results in an error, Oracle Identity Manager never processes the next message in the oimSODQueue. Oracle Identity Manager always picks the same error message for processing until you delete that message from the oimSODQueue.

To work around this issue, use the following steps to edit the queue properties and to delete the SoD message in oimSODQueue:

1. Log on to the WebLogic Admin Console at <http://<hostname>:<port>/console>
2. From the Console, select Services, Messaging, JMS Modules.
3. Click **OIMJMSModule**. All queues will be displayed.

4. Click oimSODQueue.
5. Select the Configurations, Delivery Failure tabs.
6. Change the retry count so that the message can only be submitted a specified number of times.
7. Change the default Redelivery Limit value from -1 (which means infinite) to a specific value. For example, if you specify 1, the message will be submitted only once.
8. To review and delete the SoD error message, go to the Monitoring tab, select the message, and delete it.

21.2.15 A Backslash (\) Cannot Be Used in a weblogic.properties File

If you are using the WeblogicImportMetadata.cmd utility to import data to MDS, then do not use a backslash (\) character in a path in the weblogic.properties file, or an exception will occur.

To work around this issue, you must use a double backslash (\\) or a forward slash (/) on Microsoft Windows. For example, change `metadata_from_loc=C:\metadata\file` to `metadata_from_loc=C:\\metadata\\file` in the weblogic.properties file.

21.2.16 Underscore Character Cannot Be Used When Searching for Resources

When you are searching for a resource object, do not use an underscore character (_) in the resource name. The search feature ignores the underscore and consequently does not return the expected results.

21.2.17 Assign to Administrator Action Rule is Not Supported by Reconciliation

Reconciliation does not support the Assign to Administrator Action rule.

To work around this issue, change the Assign to Administrator to None in the connector XML before importing the connector. However, after changing the value to None, you cannot revert to Assign to Administrator.

21.2.18 Some Buttons on Attestation Screens Do Not Work in Mozilla Firefox

If you are creating attestations in a Mozilla Firefox Web browser and you click certain buttons, nothing happens.

To work around this issue, click the **Refresh** button to refresh the page.

21.2.19 The maxloginattempts System Property Causes Autologin to Fail When User Tries to Unlock

WLS Security Realm has a default lock-out policy that locks out users for some time after several unsuccessful login attempts. This policy can interfere with the locking and unlocking functionality of Oracle Identity Manager.

To prevent the WLS Security Realm lock-out policy from affecting the lock/unlock functionality of Oracle Identity Manager, you must set the 'Lockout Threshold' value in the WLS 'User Lockout Policy' to at least 5 more than the value in Oracle Identity Manager. For example, if the value in Oracle Identity Manager is set to 10, you must set the WLS 'Lockout Threshold' value to 15.

To change the default values for the 'User lockout Policy,' perform the following steps:

1. Open the WebLogic Server Administrative Console.
2. Select **Security Realms**, *REALM_NAME*.
3. Select the **User Lockout** tab.
4. If configuration editing is not enabled, then click the **Lock and Edit** button to enable configuration editing.
5. Change the value of lockout threshold to the required value.
6. Click **Save** to save the changes.
7. Click **Activate** to activate your changes.
8. Restart all the servers in the domain.

21.2.20 "<User not found>" Error Message Appears in AdminServer Console While Setting-Up an Oracle Identity Manager-Oracle Access Manager Integration

When you set up Oracle Identity Manager-Oracle Access Manager Integration with a JAVA agent and log into the Admin Server Console, a "<User not found>" error message is displayed. This message displays even when the login is successful.

21.2.21 Do Not Use Single Quote Character in Reconciliation Matching Rule

If the single quote character (') is used in reconciliation data (for example, 'B'1USER1'), then target reconciliation will fail with an exception.

21.2.22 Do Not Use Special Characters When Reconciling Roles from LDAP

Due to a limitation in the Oracle SOA Infrastructure, do not use special characters such as commas (,) in role names, group names, or container descriptions when reconciling roles from LDAP. Oracle Identity Manager's internal code uses special characters as delimiters. For example, Oracle Identity Manager uses commas (,) as approver delimiters and the SOA HWF-level global configuration uses commas as assignee delimiters.

21.2.23 SoD Check During Request Provisioning Fails While Using SAML Token Client Policy When Default SoD Composite is Used

SoD check fails and the following error is displayed on the SOA console when SoD check is performed during request provisioning only when the Default SoD Check composite is used:

```
SEVERE: FabricProviderServlet.handleException Error during retrieval of test page  
or composite resourcejavax.servlet.ServletException:  
java.lang.NullPointerException
```

This happens when Callback is made from Oracle Identity Manager to SOA with the SoDCheck Results.

To resolve this issue, apply patch 9819201 on the SOA server. You can obtain patch 9819201 from My Oracle Support. The description of this patch on My Oracle Support is "ERROR WHILE USING SAML TOKEN CLIENT POLICY FOR CALLBACK."

For more information, refer to:

- [Obtaining Patches From My Oracle Support \(Formerly OracleMetaLink\)](#).

- [Patch Requirements for Segregation of Duties \(SoD\)](#)

21.2.24 SoD Check Fails While Using Client-Side Policy in Callback Invocation During Request Provisioning

SoD check fails and following error is displayed on the Oracle Identity Manager Administrative and User Console when SoD check is performed during request provisioning only when the Default SoD Check composite is used:

```
<Error> <oracle.wsm.resources.policymanager><WSM-02264> <"/base_domain/oim_server1/oim/unknown/iam-ejb.jar/WEBSERVICECLIENTS/SoDCheckResultService/PORTS/ResultPort" is not a recognized resource pattern.>
<Error> <oracle.iam.sod.impl> <IAM-4040002><Error getting Request Service : java.lang.IllegalArgumentException: WSM-02264 "/base_domain/oim_server1/oim/unknown/iam-ejb.jar/WEBSERVICECLIENTS/SoDCheckResultService/PORTS/ResultPort" is not a recognized resource pattern.>
```

To resolve this issue, use the Oracle Smart Update utility to apply patch ID 3M68, which requires passcode of 6LUNDUC7, on Oracle WebLogic Server. For more information, refer to:

- [The Oracle Smart Update Installing Patches and Maintenance Packs documentation.](#)
- [Patch Requirements for Segregation of Duties \(SoD\)](#)

21.2.25 Error May Appear During Provisioning when Generic Technology Connector Framework Uses SPML

When using the generic technology connector framework uses SPML, during provisioning, the following error may appear:

```
<SPMLProvisioningFormatProvider.formatData :problem with Velocity Template Unable to find resource 'com/thortech/xl/gc/impl/prov/SpmlRequest.vm'>
```

If the error occurs, it blocks provisioning by using the predefined SPML GTC provisioning format provider. Restarting the Oracle Identity Manager server prevents the error from appearing again.

21.2.26 Cannot Click Buttons in TransUI When Using Mozilla Firefox

When using the Mozilla Firefox browser, in certain situations, some buttons in the legacy user interface, also known as TransUI, cannot be clicked. This issue occurs intermittently and can be resolved by using Firefox's reload (refresh) function.

21.2.27 LDAP Handler May Cause Invalid Exception While Creating, Deleting, or Modifying a Role

If an LDAP handler causes an exception when you create, modify, or delete a role, an invalid error message, such as `System Error or Role does not exist`, may appear.

To work around this issue, look in the log files, which will display the correct error message.

21.2.28 Cannot Reset User Password Comprised of Non-ASCII Characters

If a user's password is comprised of non-ASCII characters, and that user tries to reset the password from either the My Profile or initial login screens in the Oracle Identity Manager Self Service interface, the reset will fail with the following error message:

Failed to change password during the validation of the old password

Note: This error does not occur with user passwords comprised of only ASCII characters.

To work around this issue, perform the following steps:

1. Set the JVM file encoding to UTF8, for example: `-Dfile.encoding=UTF-8`

Note: On Windows systems, this may cause the console output to appear distorted, though output in the log files appear correctly.

2. Restart the Oracle WebLogic Server.

21.2.29 Benign Exception and Error Message May Appear While Patching Authorization Policies

When patches are applied to the Authorization Policies that are included with Oracle Identity manager and the JavaSE environment registers the Oracle JDBC driver, `java.security.AccessControlException` is reported and the following error message appears:

```
Error while registering Oracle JDBC Diagnosability MBean
```

You can ignore this benign exception, as the Authorization Policies are seeded successfully, despite the exception and error messages.

21.2.30 The DateTime Pick in the Trans UI Does Not Work Correctly in the Thai Locale

When locale is set to `th_TH` in Microsoft Windows Internet Explorer Web browser, the datetime in Oracle Identity Manager follows the Thai Buddhist calendar. In the Create Attestation page of the Administrative and User Console, when you select a date for start time, the year is displayed according to the Thai Buddhist calendar, for example, 2553. After you click **OK**, the equivalent year according to the Gregorian calendar, which is 2010, is displayed in the start time field. But when you click **Next** to continue creating the attestation, an error message is displayed stating that the start time of the process must not belong to the past.

To workaroud this issue, perform any one of the following:

- Specify the datetime manually.
- Use Mozilla Firefox Web browser, which uses the Gregorian calendar.

21.2.31 User Without Access Policy Administrators Role Cannot View Data in Access Policy Reports

OIM user without the `ACCESS POLICY ADMINISTRATORS` role cannot view data in the following reports:

- Access Policy Details
- Access Policy List by Role

To workaroud this issue:

1. Assign the ACCESS POLICY ADMINISTRATORS role to an OIM user.
2. Create a BI Publisher user with the same username in Step 1. Assign appropriated BI Publisher role to view reports.
3. Login as the BI Publisher user mentioned in step 2. View the Access Policy Details and Access Policy List by Role reports. All access policies are displayed.

21.2.32 Archival Utility Throws an Error for Empty Date

In case of empty date, archival utility throws an error message, but proceeds to archive data by mapping to the current date. Currently, no workaround exists for this issue.

21.2.33 TransUI Closes with Direct Provisioning of a Resource

TransUI closes while doing a direct provisioning if user defined field (UDF) is created with the default values. To work around this issue, you need to create a Lookup Code for the INTEGER/DOUBLE type UDF in the LKU/LKV table.

21.2.34 Scheduler Throws "ParameterValueTypeNotSupportedException" Instead of "RequiredParameterNotSetException"

On AIX platform, when a required parameter is missing during the creation of a scheduler job, instead of throwing "RequiredParameterNotSetException" with the error message "The value is not set for required parameters of a scheduled task.", it throws "ParameterValueTypeNotSupportedException" with the error message "Parameter value is not set properly". Currently, no workaround exists for this issue.

21.2.35 All New User Attributes Are Not Supported for Attestation in Oracle Identity Manager 11g

New user attributes are added in Oracle Identity Manager 11g. Not all of them are available for Attestation while defining user-scope. However, Attestation has been enhanced to include the following user attributes:

- USR_COUNTRY
- USR_LDAP_ORGANIZATION
- USR_LDAP_ORGANIZATION_UNIT
- USR_LDAP_GUID

Currently, no workaround exists for this issue.

21.2.36 LDAP GUID Mapping to Any Field of Trusted Resource Not Supported

Update fails in LDAP, if LDAP GUID is mapped to any field of trusted resource in LDAP-SYNC enabled installation. To work around this issue, Oracle does not recommend mapping for LDAP GUID field while creating reconciliation field mapping for a trusted resource.

21.2.37 User Details for Design Console Access Field Must Be Mapped to Correct Values When Reading Modify Request Results

When a Modify Request is raised, "End-User" and "End-User Administrator" values are displayed for the "Design Console Access" field. These values must be mapped to False/True while interpreting the user details.

21.2.38 Cannot Create a User Containing Asterisks if a Similar User Exists

If you try to create a user that contains an asterisk (*) after creating a user with a similar name, the attempt will fail. For example, if you create user test1test, followed by test*test, test*test will not be created.

It is recommended to not create users with asterisks in the User Login field.

21.2.39 Blank Status Column Displayed for Past Proxies

The Status field on the Post Proxies page is blank. However, active proxies are displayed correctly on Current Proxies page.

Currently, no workaround exists for this issue.

21.2.40 Mapping the Password Field in a Reconciliation Profile Prevents Users from Being Created

The Password field is available to be mapped with a reconciliation profile, but it should not be used. Attempting to map this field will generate a reconciliation event that will not create users. (The event ends in "No Match Found State".) In addition, you will not be able to re-evaluate or manually link this event.

21.2.41 UID Displayed as User Login in User Search Results

Although you can select the UID attribute from the Search Results Table Configuration list on the Search Configuration page of the Advanced Administration, the search results table for advanced search for users displays the User Login field instead of the UID field.

21.2.42 Roles/Organizations Browse Trees Disappear

After you delete an organization, the Browse trees for organizations and roles might not be displayed.

To work around this issue, click the **Search Results** tab, then click the **Browse** tab. The roles and organizations browse trees display correctly.

21.2.43 Entitlement Selection Is Not Optional for Data Gathering

Entitlement (Child Table) selection during data gathering on the process form, for the "Depends On (Depended)" attribute is not optional. During data gathering, if dependent lookups are configured, then the user has to select the parent lookup value so that filtering happens on the child lookup and thus user gets a final list of entitlements to select. Currently, no workaround exists to directly filter the values based on the child lookup.

21.2.44 Oracle Identity Manager Server Throws Generic Exception While Deploying a Connector

Generic exceptions are shown in server logs every time deployment manager import happens or profile changes manually or profile changes via design console. This is because "WLSINTERNAL" is not an authorized user of Oracle Identity Manager. "WLSINTERNAL" is an internal user of WebLogic Server, and MDS uses it to invoke MDS listeners if there is a change in XMLs stored in MDS. Currently, no workaround exists for this issue.

21.2.45 Create User API Allows Any Value for the "Users.Password Never Expires", "Users.Password Cannot Change", and "Users.Password Must Change" Fields

Create User API allows the user to set any value between 0 and 9 instead of 0 or 1 for "Users.Password Never Expires", "Users.Password Cannot Change" and "Users.Password Must Change" fields. However, any value other than 0 is considered as TRUE and 0 is considered as FALSE, and the flag is set accordingly for the user being created. Currently, no workaround exists for this issue.

21.2.46 Incorrect Label in JGraph Screen for the GTC

The User Type label on the JGraph screen is displayed incorrectly as Design Console Access. To display User Type, add the line `Xellerate_Type=User Type` to the `OIM_HOME/server/customResources/customResources.properties` file.

21.2.47 Running the Workflow Registration Utility Generates an Error

When the workflow registration utility is run in a clustered deployment of Oracle Identity Manager, the following error is generated:

```
[java] oracle.iam.platform.utils.NoSuchServiceException:
java.lang.reflect.InvocationTargetException
```

Ignore the error message.

21.2.48 Native Performance Pack is Not Enabled On Solaris 64-bit JVM Install

For Oracle Identity Manager JVM install on a Solaris 64-bit computer, Oracle WebLogic log displays the following error:

```
Unable to load performance pack. Using Java I/O instead. Please ensure that a
native performance library is in:
```

To workaround this issue, perform the following to ensure that JDK picks up the 64-bit native performance:

1. In a text editor, open the `MIDDLEWARE_HOME/wlserver_10.3/common/bin/commEnv.sh` file.
2. Replace the following:

```
SUN_ARCH_DATA_MODEL=" 32 "
```

With:

```
SUN_ARCH_DATA_MODEL=" 64 "
```
3. Save and close the `commEnv.sh` file.
4. Restart the application server.

21.2.49 Error in the Create Generic Technology Connector Wizard

If you enter incorrect credentials for the database on the Create Generic Technology Connector wizard, a system error window is displayed. You must close this window and run the wizard again.

21.2.50 DSML Profile for the SPML Web Service is Not Deployed With Oracle Identity Manager

The DSML profile for the SPML Web service is not deployed by default with Oracle Identity Manager 11g Release 1 (11.1.1). SPML-DSML binaries are bundled with the Oracle Identity Manager installer to support Microsoft Active Directory Password Synchronization. You must deploy the `spml-dsml.ear` file manually.

21.2.51 New Human Tasks Must Be Copied in SOA Composites

When you add a new human task to an existing SOA composite, you must ensure that all the copy operations for the attributes in the original human task are added to the new human task. Otherwise, an error could be displayed on the View Task Details page.

21.2.52 Modify Provisioned Resource Request Does Not Support Service Account Flag

A regular account cannot be changed to a service account, and similarly, a service account cannot be changed to a regular account through a Modify Provisioned Resource request.

21.2.53 Erroneous "Query by Example" Icon in Identity Administration Console

In the Identity Administration console, when viewing role details from the Members tab, an erroneous icon with the "tooltip" (mouse-over text) of "Query By Example" appears. This "Query By Example" icon is non-functional and should be ignored.

21.2.54 The `XL.ForcePasswordChangeAtFirstLogin` System Property Is No Longer Used

The `XL.ForcePasswordChangeAtFirstLogin` system property is no longer used in Oracle Identity Manager 11g Release 1 (11.1.1.1). Therefore, forcing the user to change the password at first login cannot be configured. By default, the user must change the password:

- When the new user, other than self-registered users, is logging in to Oracle Identity Manager for the first time

- When the user is logging in to Oracle Identity Manager for the first time after the password has been reset

21.2.55 The `tcExportOperationsIntf.findObjects(type,name)` API Does Not Accept the Asterisk (*) Wildcard Character in Both Parameters

The `tcExportOperationsIntf.findObjects(type,name)` API accepts the asterisk (*) wildcard character only for the second parameter, which is name. For type, a category must be specified. For example, `findObjects("Resource","*")` is a valid call, but `findObjects("*","*")` is not valid.

21.2.56 Disabled Links on the Access Policy Summary Page Opened in Mozilla FireFox

In the Verify Information for this Access Policy page of the Create/Modify Access Policy wizards opened in Mozilla Firefox Web browser, you click **Change** for resource to be provisioned by the access policy, and then click **Edit** to edit the process form data for the resources to be provisioned. If you click the Close button on the Edit form, then the change links for any one of the access policy information sections, such as resources to be provisioned by the access policy, resources to be denied by the access policy, or roles for the access policy, do not work.

To workaroud this issue, click **Refresh**. All the links in the Verify Information for this Access Policy page are enabled.

21.2.57 Benign Error is Generated on Editing the IT Resource Form in Advanced Administration

When you click the Edit link on the IT Resource form in the Advanced Administration, the following error message is logged:

```
<Error> <XELLERATE.APIS> <BEA-000000>  
<Class/Method: tcFormDefinitionOperationsBean/getFormFieldPropertyValue encounter  
some problems: Property 'Column Names' has not defined for the form field '-82'>
```

The error message is benign and can be ignored because there is no loss of functionality.

21.2.58 User Account is Not Locked in iPlanet Directory Server After it is Locked in Oracle Identity Manager

After reaching the maximum login attempts, a user is locked in Oracle Identity Manager. But in iPlanet DS/ODSEE, the user is not locked. The `orclAccountLocked` feature is not supported because the backend iPlanet DS/ODSEE does not support account unlock by setting the Operational attribute. Account is unlocked only with a password reset. The `nsaccountlock` attribute is available for administrative lockout. The password policies do not use this attribute, but you can use this attribute to independently lock an account. If the password policy locks the account, then `nsaccountlock` locks the user even after the password policy lockout is gone.

21.2.59 Oracle Identity Manager Does Not Support Autologin With JavaAgent

In an Oracle Access Manager (OAM) integrated deployment of Oracle Identity Manager with JavaAgent, when a user created in Oracle Identity Manager tries to login to the Oracle Identity Manager Administrative and User Console for the first time, the user is forced to reset password and set challenge questions. After this, the user is not logged in to Oracle Identity Manager automatically, but is redirected to the

OAM login page. This is because Oracle Identity Manager does not support autologin when JavaAgent is used.

21.2.60 Benign Error Logged on Opening Access Policies, Resources, or Attestation Processes

As a delegated administrator, when you open the page to display the details of an access policy, resource, or attestation process, the following error is logged:

```
Error> <org.apache.struts.tiles.taglib.InsertTag> <BEA-000000>  
<Can't insert page '/gc/EmptyTiles.jsp' : Write failed: Broken pipe  
java.net.SocketException: Write failed: Broken pipe
```

The error is benign and can be ignored because there is no loss of functionality.

21.2.61 User Locked in Oracle Identity Manager But Not in LDAP

In a LDAP-enabled deployment of Oracle Identity Manager in which the directory servers are Microsoft Active Directory (AD) or Oracle Internet Directory (OID), when a user is manually locked in Oracle Identity Manager by the administrator, the user is not locked in LDAP if a password policy is not configured in LDAP. The configurable password policy in LDAP can either be the default password policy that is applicable to all the LDAP users, or it can be a user-specific Password Setting Object (PSO).

21.2.62 Reconciliation Profile Must Not Be Regenerated Via Design Console for Xellerate Organization Resource Object

By default, the Xellerate Organization resource object does not have reconciliation to Oracle Identity Manager field mappings and any matching/action rule information. As a result, when reconciliation profile for Xellerate Organization resource object is updated via Design Console, it corrupts the existing reconciliation configuration for that resource object, and reconciliation fails with empty status.

To workaround this issue, do not generate the reconciliation profile/configuration via the Design Console. Instead, export the Xellerate Organization profile from Meta Data Store (MDS) and edit it manually, and import it back into Oracle Identity Manager. If the profile changes include modification of the reconciliation fields, then the corresponding changes must be made in the horizontal table schema and its entity definition as well.

21.2.63 Benign Error Logged on Clicking Administration After Upgrade

After upgrading Oracle Identity Manager from Release 9.1.0.1 to 11g Release 1 (11.1.1), on clicking the Administration link on the Administrative and User Console, the following error is logged:

```
<Error> <oracle.adfinternal.view.page.editor.utils.ReflectionUtility>  
<WCS-16178> <Error instantiating class -  
oracle.adfdtinternal.view.faces.portlet.PortletDefinitionDTFactory>
```

This error is benign and can be ignored because there is no loss of functionality.

21.2.64 Provisioning Fails Through Access Policy for Provisioned User

When a user is already provisioned and you try to assign a role to the user that triggers provisioning to the target domain, the provisioning is not started. However, if

the user is not provisioned already and you assign a role to the user, then the provisioning occurs successfully.

To workaroud this issue:

1. Open the connector-specific user form in the Design Console.
2. Create a new version of the connector, and select **Edit**.
3. Click the **Properties** tab, and then click **server (ITResourceLookupField)**. Click **Add Property**.
4. Add Required for the property and specify true. Click **Make Version Active**, and then click **Save**.
5. Login to Oracle Identity Manager Administrative and User Console.
6. Navigate to System Property. Search for the 'Allows access policy based provisioning of multiple instances of a resource' system property. Change the value of this property to TRUE.
7. Restart Oracle Identity Manager.

Try provisioning a provisioned user to provision through access policy of the same IT Resource Type, and the provisioning is successful.

21.2.65 Benign Warning Messages Displayed During Oracle Identity Manager Managed Server Startup

Several messages resembling the following are logged during Oracle Identity Manager managed server startup:

```
<Mar 30, 2011 6:51:01 PM PDT> <Warning> <oracle.iam.platform.kernel.impl>
<IAM-0080071>
<Preview stage is not supported in kernel and found an event handler with name
ProvisionAccountPreviewHandler implemented by the class
oracle.iam.accesspolicy.impl.handlers.provisioning.ProvisionAccountPreviewHandlerf
or this stage. It will be ignored.>
```

These warning messages are benign and can be ignored because there is no loss of functionality.

21.2.66 Benign Message Displayed When Running the Deployment Manager

When running the Deployment Manager, a message with header 'XUL SYNTAX: ID Conflict' is displayed.

This message is benign and can be ignored because there is no loss of functionality. Close the message and continue.

21.2.67 Deployment Manager Export Fails When Started Using Microsoft Internet Explorer 7 With JRE Plugin 1.6_23

After upgrading Oracle Identity Manager from an earlier release to 11g Release 1 (11.1.1), when you use the Microsoft Internet Explorer 7 Web browser with JRE plugin 1.6_23 to open the Administrative and User Console and try to export files by using the Deployment Manager, an error is generated and you cannot proceed with the export.

To workaroud this issue, use a combination of the following Web browsers and plugins:

- Mozilla Firefox 3.6 and JRE version 1.6_23 on 64-bit computer
- Microsoft Internet Explorer 7 and JRE version 1.5
- Microsoft Internet Explorer 8 and JRE version 1.6_18
- Microsoft Internet Explorer 7 and JRE version 1.6_24

21.2.68 User Creation Fails in Microsoft Active Directory When Value of Country Attribute Exceeds Two Characters

In a LDAP-enabled deployment of Oracle Identity Manager, user creation fails in the Microsoft Active Directory (AD) server if the value of the Country attribute exceeds two characters. AD mandates two characters for the Country attribute, for example US, based on the ISO 3166 standards.

21.2.69 Deployment Manager Import Fails if Scheduled Job Entries Are Present Prior To Scheduled Task Entries in the XML File

In Oracle Identity Manager 11g Release 1 (11.1.1), schedules job has a dependency on scheduled task. Therefore, scheduled task must be imported prior to scheduled job.

As a result, if a XML file has scheduled job entries prior to scheduled task entries, then importing the XML file using Deployment Manager fails with the following error message:

```
[exec] Caused By: oracle.iam.scheduler.exception.SchedulerException: Invalid  
ScheduleTask definition  
[exec] com.thortech.xl.ddm.exception.DDMEException
```

To workaround this issue, open the XML file and move all scheduled task entries above the scheduled job entries.

21.2.70 Permission on Target User Required to Revoke Resource

When you login to the Administrative and User Console with Identity User Administrators and Resource Administrators roles, direct provision a resource to a user, and attempt to revoke the resource from the user, an error message is displayed.

To workaround this issue, you (logged-in user) must have the write permission on the target user (such as user1). To achieve this:

1. Create a role, such as role1, and assign self to this role.
2. Create an organization, such as org1, and assign role1 as administrative group.
3. Modify the user user1 and change its organization to org1. You can now revoke the resource from user1.

21.2.71 Reconciliation Event Fails for Trusted Source Reconciliation Because of Missing Reconciliation Rule in Upgraded Version of Oracle Identity Manager

When Oracle Identity Manager is upgraded from an earlier release to 11g Release 1 (11.1.1), for trusted source reconciliation, such as trusted source reconciliation using GTC, the reconciliation event fails with the following error message because of a missing reconciliation rule:

```
<Mar 31, 2011 6:27:41 PM CDT> <Info> <oracle.iam.reconciliation.impl>  
<IAM-5010006> <The following exception occurred: {0}>  
oracle.iam.platform.utils.SuperRuntimeException:
```

Error occurred in XL_SP_RECONEVALUATEUSER while processing Event No 3
 Error occurred in XL_SP_RECONUSERMATCH while processing Event No 3
 One or more input parameter passed as null

To workaround this issue:

1. Create a reconciliation rule for the resource object.
2. In the Resource Object form of the Design Console, click **Create Reconciliation Profile**.

21.2.72 XML Validation Error on Oracle Identity Manager Managed Server Startup

The following error message is logged at the time of Oracle Identity Manager Managed Server startup:

```
<Mar 29, 2011 2:49:31 PM PDT> <Error> <oracle.iam.platform.kernel.impl>
<IAM-0080075> <XML schema validation failed for
XML/metadata/iam-features-callbacks/event_configuration/EventHandlers.xml and it
will not be loaded by kernel. >
```

```
<Mar 29, 2011 2:49:32 PM PDT> <Error> <oracle.iam.platform.kernel.impl>
<IAM-0080075> <XML schema validation failed for
XML/metadata/iam-features-OIMmigration/EventHandlers.xml and it will not be loaded
by kernel. >
```

This error message is benign and can be ignored because there is no loss of functionality.

21.2.73 Cannot View or Edit Adapter Mapping in the Data Object Manager Form of the Design Console

When you click **Map** on the Map Adapters tab in the Data Object Manager form of the Design Console, a dialog box is displayed that allows you to edit the individual entity adapter mappings. But the list with fields on the user object to map is displayed as empty. As a result, you cannot view or edit the individual entity adapter mappings.

Use of entity adapters is deprecated in Oracle Identity Manager 11g Release 1 (11.1.1), although limited support is still provided for backward compatibility only. Event handlers must be used for all new or changed scenarios.

21.2.74 Role Memberships for Assign or Revoke Operations Not Updated on Enabling or Disabling Referential Integrity Plug-in

In a multi-directory deployment, the secondary server must be OID. The primary server can be OID or AD. For example, users can be stored in the OID or AD primary server, and roles can be stored in the OID secondary server. Enabling or disabling the referential integrity plug-in does not update the role memberships for assign or revoke operations.

21.2.75 Deployment Manager Import Fails if Data Level for Rules is Set to 1

An entry in the Oracle Identity Manager database cannot be updated if data level is set to 1. When you try to import a Deployment Manager XML, the following error is displayed:

```
Class/Method: tcTableDataObj/updateImplementation Error :The row cannot be
updated.
[2011-04-06T07:25:36.583-05:00] [oim_server1] [ERROR] []
```

```
[XELLERATE.DDM.IMPORT] [tid: [ACTIVE].ExecuteThread: '6' for queue:
'weblogic.kernel.Default (self-tuning)'] [userId: xelsysadm] [ecid:
cad00d8aeed4d8fc:-67a4db1a:12f2abbac4b:-8000-000000000000018e,0] [APP:
oim#11.1.1.3.0] The security level for this data item indicates that it cannot be
updated.
```

To workaroud this issue, open the XML file and change the data level for rules from 1 to 0, as shown:

```
<RUL_DATA_LEVEL>0</RUL_DATA_LEVEL>
```

21.2.76 Reconciliation Data Displays Attributes That Are Not Modified

In an Oracle Identity Manager deployment with LDAP synchronization enabled and Microsoft Active Directory (AD) as the directory server, the Reconciliation Data tab of the Event Management page in the Administrative and User Console displays all the attributes of the reconciled user instead of displaying only the modified attributes. This is because of the way AD changelogs are processed, in which the entire entry is marked as updated when any attribute is changed. Therefore, Oracle Virtual Directory (OVD) returns the full entry. There is no way to figure out which attribute has been modified as a result of reconciliation.

21.2.77 Benign Errors Displayed on Starting the Scheduler Service When There are Scheduled Jobs to be Recovered

When the Scheduler service is started and there are some scheduled jobs that have not been recovered, the following error might be logged in the oim_diagnostic log:

```
Caused by: java.lang.NullPointerException
at
org.quartz.SimpleTrigger.computeNumTimesFiredBetween(SimpleTrigger.java:800)
at org.quartz.SimpleTrigger.updateAfterMisfire(SimpleTrigger.java:514)
at
org.quartz.impl.jdbcjobstore.JobStoreSupport.doUpdateOfMisfiredTrigger(JobStoreSupport.java:944)
at
org.quartz.impl.jdbcjobstore.JobStoreSupport.recoverMisfiredJobs(JobStoreSupport.java:898)
at
org.quartz.impl.jdbcjobstore.JobStoreSupport.recoverJobs(JobStoreSupport.java:780)
at
org.quartz.impl.jdbcjobstore.JobStoreSupport$2.execute(JobStoreSupport.java:752)
at
org.quartz.impl.jdbcjobstore.JobStoreSupport$40.execute(JobStoreSupport.java:3628)
at
org.quartz.impl.jdbcjobstore.JobStoreSupport.executeInNonManagedTXLock(JobStoreSupport.java:3662)
at
org.quartz.impl.jdbcjobstore.JobStoreSupport.executeInNonManagedTXLock(JobStoreSupport.java:3624)
at
org.quartz.impl.jdbcjobstore.JobStoreSupport.recoverJobs(JobStoreSupport.java:748)
at
org.quartz.impl.jdbcjobstore.JobStoreSupport.schedulerStarted(JobStoreSupport.
```

```
java:573)
```

This error is benign and can be ignored because there is no loss of functionality.

In an upgrade environment, the next time when some scheduled jobs will be triggered is not defined. This results in a null input for Quartz code, which is not handled gracefully in earlier versions of Quartz. This has been fixed in Quartz version 1.6.3, and therefore, this error is not generated when you upgrade to that version of Quartz.

21.2.78 Trusted Source GTC Reconciliation Mapping Cannot Display Complete Attribute Names

When creating a trusted GTC (for example, flat file), the right-hand column under OIM User is not wide enough to display the complete names for many attributes. For example, two entries are displayed as 'LDAP Organizati', whereas the attribute names are 'LDAP Organization' and 'LDAP Organization Unit'.

To workaroud this issue, click the **Mapping** button for the attribute. The Provide Field Information dialog box is displayed with the complete attribute name.

21.2.79 Benign Error Logged for Database Connectivity Test

When running the database connectivity test in XIMDD, the following error is logged multiple times:

```
<Apr 10, 2011 7:45:20 PM PDT> <Error> <Default> <J2EE JMX-46335> <MBean attribute access denied.
```

```
  MBean: oracle.logging:type=LogRegistration
  Getter for attribute Application
```

```
  Detail: Access denied. Required roles: Admin, Operator, Monitor, executing
subject: principals=[REQUEST TEMPLATE ADMINISTRATORS, SYSTEM ADMINISTRATORS,
APPROVAL POLICY ADMINISTRATORS, oimusers, xelsysadm, PLUGIN ADMINISTRATORS]
java.lang.SecurityException: Access denied. Required roles: Admin, Operator,
Monitor, executing subject: principals=[REQUEST TEMPLATE ADMINISTRATORS, SYSTEM
ADMINISTRATORS, APPROVAL POLICY ADMINISTRATORS, oim users, xelsysadm, PLUGIN
ADMINISTRATORS]
```

Each time the error occurs in the log, the name of the bean is different, but the error is same. In spite of these errors, the test passes. These errors are benign and can be ignored because there is no loss of functionality.

21.2.80 MDS Validation Error When Importing GTC Provider Through the Deployment Manager

An MDS validation error is generated when you import the GTC provider by using the Deployment Manager.

To workaroud this issue, do not import the GTC provider through the Deployment Manager. If the Deployment Manager XML file contains tags for GTC provider, then remove it and import the rest of the XML by using the Deployment Manager. Import the XML file with the GTC provider tags separately by using the MDS import utility. To do so:

1. If the XML file being imported through the Deployment Manager contains <GTCProvider> tags, then remove these tags along with everything under them.

The following is an example of the original XML file to be imported:

```
<?xml version = '1.0' encoding = 'UTF-8'?>
<x1-ddm-data version="2.0.1.0" user="XELSYSADM"
```

```

database="jdbc:oracle:thin:@localhost:5521:mysps12"
exported-date="1302888552341" description="sampleGTC"><GTCProvider
repo-type="MDS" name="InsertIntoTargetList"
mds-path="/db/GTC/ProviderDefinitions"
mds-file="InsertIntoTargetListProvTransport.xml"><completeXml><Provider><Provi
der>
  <Provisioning>
    <ProvTransportProvider
class="provisioningTransportProvider.InsertIntoTargetList"
name="InsertIntoTargetList">
      <Configuration>
        <Parameter datatype="String" name="targetServerName"
type="Runtime" encrypted="NO" required="YES"/>
        <Response code="FUNCTIONALITY_NOT_SUPPORTED"
description="Functionality not supported"/>
        <Response code="TARGET_SERVER_NAME_MISSING" description="Target
server name is missing"/>
        <Response code="TARGET_SERVER_NAME_STARTSWITH_A"
description="Target server name starts with A, from XML"/>
        <Response code="PROBLEM_WHILE_INITIALIZING" description="Problem
occured while intializing Provider instance"/>
      </Configuration>
    </ProvTransportProvider>
  </Provisioning>
</Provider></Provider></completeXml></GTCProvider><GTCProvider
repo-type="MDS" name="PrepareDataHMap" mds-path="/db/GTC/ProviderDefinitions"
mds-file="PrepareDataHMapProvFormat.xml"><completeXml><Provider><Provider>
  <Provisioning>
    <ProvFormatProvider class="provisioningFormatProvider.PrepareDataHMap"
name="PrepareDataHMap">
      <Configuration>
        <DefaultAttribute datatype="String" name="testField" size="40"
encrypted="NO"/>
        <Response code="INCORRECT_PROCESS_DATA" description="Incorrect
process data received from GTC provisioning framework"/>
        <Response code="PROCESSING_ISSUE" description="Processing issue
in Preparing provisioning input, check logs"/>
      </Configuration>
    </ProvFormatProvider>
  </Provisioning>
</Provider></Provider></completeXml></GTCProvider><GTCProvider
repo-type="MDS" name="IsValidOrgInOIM" mds-path="/db/GTC/ProviderDefinitions"
mds-file="IsValidOrgInOIM.xml"><completeXml><Provider><Provider>
  <Validation>
    <ValidationProvider class="validationProvider.IsValidOrgInOIM"
name="IsValidOrgInOIM">
      <Configuration>
        <Parameter datatype="String" name="maxOrgSize"/>
      </Configuration>
    </ValidationProvider>
  </Validation>
</Provider></Provider></completeXml></GTCProvider><GTCProvider
repo-type="MDS" name="ConvertToUpperCase"
mds-path="/db/GTC/ProviderDefinitions"
mds-file="ConvertToUpperCase.xml"><completeXml><Provider><Provider>
  <Transformation>
    <TransformationProvider
class="transformationProvider.ConvertToUpperCase" name="ConvertToUpperCase">
      <Configuration>
        <Parameter type="Runtime" datatype="String" required="YES"

```



```

encrypted="NO" name="Input"/>
    <Response code="errorRespNullInput" description="Input String is
Missing"/>
    </Configuration>
  </TransformationProvider>
</Transformation>
</Provider></Provider></completeXml></GTCProvider><Resource repo-type="RDBMS"
name="SAMPLEGTC_GTC">...</Resource><Process repo-type="RDBMS"
name="SAMPLEGTC_GTC">
.....
</Process><Form repo-type="RDBMS" name="UD_SAMPLEGT" subtype="Process
Form">.....
</Form>...</xl-ddm-data>

```

2. Import the rest of the XML file through the Deployment Manager.

The following is the XML file after removing the <GTCProvider> tags from the original XML file. Import this XML file by using the Deployment Manager.

```

<?xml version = '1.0' encoding = 'UTF-8'?>
<xl-ddm-data version="2.0.1.0" user="XELSYSADM"
database="jdbc:oracle:thin:@localhost:5521:mysp12"
exported-date="1302888552341" description="sampleGTC"><Resource
repo-type="RDBMS" name="SAMPLEGTC_GTC">...</Resource><Process
repo-type="RDBMS" name="SAMPLEGTC_GTC">
.....
</Process><Form repo-type="RDBMS" name="UD_SAMPLEGT" subtype="Process
Form">.....
</Form>...</xl-ddm-data>

```

The following is the removed XML content:

```

<GTCProvider
repo-type="MDS" name="InsertIntoTargetList"
mds-path="/db/GTC/ProviderDefinitions"
mds-file="InsertIntoTargetListProvTransport.xml"><completeXml><Provider><Provid
er>
  <Provisioning>
    <ProvTransportProvider
class="provisioningTransportProvider.InsertIntoTargetList"
name="InsertIntoTargetList">
      <Configuration>
        <Parameter datatype="String" name="targetServerName"
type="Runtime" encrypted="NO" required="YES"/>
        <Response code="FUNCTIONALITY_NOT_SUPPORTED"
description="Functionality not supported"/>
        <Response code="TARGET_SERVER_NAME_MISSING" description="Target
server name is missing"/>
        <Response code="TARGET_SERVER_NAME_STARTSWITH_A"
description="Target server name starts with A, from XML"/>
        <Response code="PROBLEM_WHILE_INITIALIZING" description="Problem
occured while intializing Provider instance"/>
      </Configuration>
    </ProvTransportProvider>
  </Provisioning>
</Provider></Provider></completeXml></GTCProvider>

<GTCProvider
repo-type="MDS" name="PrepareDataHMap" mds-path="/db/GTC/ProviderDefinitions"
mds-file="PrepareDataHMapProvFormat.xml"><completeXml><Provider><Provider>
  <Provisioning>

```

```

        <ProvFormatProvider class="provisioningFormatProvider.PrepareDataHMap"
name="PrepareDataHMap">
        <Configuration>
            <DefaultAttribute datatype="String" name="testField" size="40"
encrypted="NO"/>
            <Response code="INCORRECT_PROCESS_DATA" description="Incorrect
process data received from GTC provisioning framework"/>
            <Response code="PROCESSING_ISSUE" description="Processing issue
in Preparing provisioning input, check logs"/>
        </Configuration>
    </ProvFormatProvider>
</Provisioning>
</Provider></Provider></completeXml></GTCProvider>

<GTCProvider
repo-type="MDS" name="IsValidOrgInOIM" mds-path="/db/GTC/ProviderDefinitions"
mds-file="IsValidOrgInOIM.xml"><completeXml><Provider><Provider>
    <Validation>
        <ValidationProvider class="validationProvider.IsValidOrgInOIM"
name="IsValidOrgInOIM">
            <Configuration>
                <Parameter datatype="String" name="maxOrgSize"/>
            </Configuration>
        </ValidationProvider>
    </Validation>
</Provider></Provider></completeXml></GTCProvider>

<GTCProvider
repo-type="MDS" name="ConvertToUpperCase"
mds-path="/db/GTC/ProviderDefinitions"
mds-file="ConvertToUpperCase.xml"><completeXml><Provider><Provider>
    <Transformation>
        <TransformationProvider
class="transformationProvider.ConvertToUpperCase" name="ConvertToUpperCase">
            <Configuration>
                <Parameter type="Runtime" datatype="String" required="YES"
encrypted="NO" name="Input"/>
                <Response code="errorRespNullInput" description="Input String is
Missing"/>
            </Configuration>
        </TransformationProvider>
    </Transformation>
</Provider></Provider></completeXml></GTCProvider>

```

3. Separate the removed XML content based on the <GTCProvider> tags. The following is an example of the first <GTCProvider> tag:

```

<GTCProvider repo-type="MDS" name="InsertIntoTargetList"
mds-path="/db/GTC/ProviderDefinitions"
mds-file="InsertIntoTargetListProvTransport.xml"><completeXml><Provider><Provi
der>
    <Provisioning>
        <ProvTransportProvider
class="provisioningTransportProvider.InsertIntoTargetList"
name="InsertIntoTargetList">
            <Configuration>
                <Parameter datatype="String" name="targetServerName"
type="Runtime" encrypted="NO" required="YES"/>
                <Response code="FUNCTIONALITY_NOT_SUPPORTED"
description="Functionality not supported"/>
                <Response code="TARGET_SERVER_NAME_MISSING" description="Target

```

```

server name is missing"/>
    <Response code="TARGET_SERVER_NAME_STARTSWITH_A"
description="Target server name starts with A, from XML"/>
    <Response code="PROBLEM_WHILE_INITIALIZAING" description="Problem
occured while intializing Provider instance"/>
    </Configuration>
  </ProvTransportProvider>
</Provisioning>
</Provider></Provider></completeXml></GTCProvider>
Resultant xml after removal of tags surronding inner <Provider> tag:
<Provider>
  <Provisioning>
    <ProvTransportProvider
class="provisioningTransportProvider.InsertIntoTargetList"
name="InsertIntoTargetList">
      <Configuration>
        <Parameter datatype="String" name="targetServerName"
type="Runtime" encrypted="NO" required="YES"/>
        <Response code="FUNCTIONALITY_NOT_SUPPORTED"
description="Functionality not supported"/>
        <Response code="TARGET_SERVER_NAME_MISSING" description="Target
server name is missing"/>
        <Response code="TARGET_SERVER_NAME_STARTSWITH_A"
description="Target server name starts with A, from XML"/>
        <Response code="PROBLEM_WHILE_INITIALIZAING" description="Problem
occured while intializing Provider instance"/>
      </Configuration>
    </ProvTransportProvider>
  </Provisioning>
</Provider>

```

4. From the removed <GTCProvider> tags, remove everything surrounding the inner <Provider> tag. In other words, keep the content inside the inner <Provider> tag. For each <Provider> tag, create a separate XML file. This results in multiple XML files with each <Provider> tag as the root element.

The following is the resultant XML content after removal of tags surrounding the inner <Provider> tag:

```

<Provider>
  <Provisioning>
    <ProvTransportProvider
class="provisioningTransportProvider.InsertIntoTargetList"
name="InsertIntoTargetList">
      <Configuration>
        <Parameter datatype="String" name="targetServerName" type="Runtime"
encrypted="NO" required="YES"/>
        <Response code="FUNCTIONALITY_NOT_SUPPORTED"
description="Functionality not supported"/>
        <Response code="TARGET_SERVER_NAME_MISSING" description="Target
server name is missing"/>
        <Response code="TARGET_SERVER_NAME_STARTSWITH_A"
description="Target server name starts with A, from XML"/>
        <Response code="PROBLEM_WHILE_INITIALIZAING" description="Problem
occured while intializing Provider instance"/>
      </Configuration>
    </ProvTransportProvider>
  </Provisioning>
</Provider>

```

5. Name the resultant XML files, which have the <Provider> tag as the root element, with the mds-file attribute value from the <GTCProvider> tag. For example, name the first XML file with the first <GTCProvider> tag as InsertIntoTargetListProvTransport.xml. The file name must be the value of the mds-file attribute.
6. Similarly, create other GTC provider XML files. There must be one XML file for each <GTCProvider> tag.
7. Import the GTC Provider XML files by using the MDS utility.

21.2.81 Encrypted User-Defined Field (UDF) Cannot be Stored with Size of 4000 Characters or More

An encrypted UDF cannot be stored with size of 4000 characters or more. This is because encryption automatically increases the column width by 1.5 times approximately, and the size of the attribute exceeds the maximum allowable width of 4000. As a result, the UDF is automatically type-promoted to a CLOB data type. Oracle Identity Manager 11g Release 1 (11.1.1) does not intercept this as an exception and might subsequently show errors. This is likely to be addressed in the next patch release.

However, an encrypted attribute that does not exceed the final width of 4000 characters can be stored. The specified width must factor in the increment of 1.5 times, which means that it must not exceed approximately 2500 characters.

21.2.82 Request Approval Fails With Callback Service Failure

In an environment where SSL is enabled in the OAAM server but not in Oracle Identity Manager and SOA server, when you create a request, the request-level approval is successful on the SOA side, but the operational-level approval is not displayed anywhere in the UI. When the SOA composite that provides approval workflow for the Oracle Identity Manager request tries to invoke the request callback Web service to indicate whether the workflow is approved or rejected, the Web service invocation fails with the following error:

```
Unable to dispatch request to
http://slc402354.mycompany.com:14000/workflowservice/CallbackService due to
exception[[
javax.xml.ws.WebServiceException:
oracle.fabric.common.PolicyEnforcementException: PolicySet Invalid: WSM-06162
PolicyReference The policy referenced by URI
"oracle/wss11_saml_token_with_message_protection_client_policy" could not be
retrieved as connection to Policy Manager cannot be established at
"t3s://slc402354:14301" due to invalid configuration or inactive state.
```

The error indicates that OWSM is not able to connect to the Policy Manager on the specified port. This port is for the OAAM server in SSL mode, which is shut down. The issue occurs because SSL is enabled in the OAAM server but not on Oracle Identity Manager and SOA server, and the Policy Manager is also targeted on that server. If there is an SSL-enabled Policy Manager, then OWSM does not use the non-SSL ports anymore. In this setup, SSL is enabled only for OAAM and not for others. Therefore, the only usable WSM Policy Manager is on OAAM. Because the OAAM server is down, the connection to the Policy Manager is not established, and as a result, the call fails.

To workaroud this issue, start the OAAM server and then create the request.

Note: This issue does not occur if:

- OAAM server is not SSL-enabled.
 - SSL is enabled on any other server that is up and running, such as Oracle Identity Manager or SOA server.
-
-

21.2.83 Localized Display Name is Not Reconciled Via User/Role Incremental Reconciliation with iPlanet Directory Server

In an Oracle Identity Manager deployment with LDAP synchronization enabled in which iPlanet is the directory server, the following issues occur:

- The localized Display Name is not reconciled into Oracle Identity Manager via user/role incremental reconciliation.
- The localized value of the Display Name attribute is returned to Oracle Identity Manager, but the original base value of Display Name is lost and is replaced by the localized value that is received from iPlanet.

21.2.84 LDAP Role Hierarchy and Role Membership Reconciliation With Non-ASCII Characters Does Not Reconcile Changes in Oracle Identity Manager

LDAP role hierarchy and role membership reconciliation jobs with non-ASCII characters do not bring in role hierarchy and role membership changes into Oracle Identity Manager. This issue is applicable to incremental reconciliation only.

21.2.85 Import of Objects Fails When All Objects Are Selected for Export

In an upgraded environment of Oracle Identity Manager 11g Release 1 (11.1.1), the import of objects can fail when you select the Select All option to export the objects. When you select all the objects to be exported, the corresponding XML file grows in size. If it exceeds 2.5 million records, then it does not remain valid. As a result, the import fails. However, selecting all objects works if the data is small and the generated XML file does not exceed 2.5 million records.

To workaround this issue, select the objects to be exported in smaller logical units. For example, if there are 20 resource objects in the system, then select four or five resource objects with all dependencies and children objects in a XML file, and export. Then select another five resource objects into a new XML file. Similarly, for all other objects, such as GTC or adapters, export in small logical units in separate XML files. Examples of logical unit grouping are:

- Resource objects, process definition forms, adapters, IT resources, lookup definitions, and roles
- Organizations, attestation, and password policies
- Access policies and rules
- GTC and resource objects

21.2.86 Benign Audit Errors Logged After Upgrade

After upgrading from Oracle Identity Manager Release 9.1.0 to 11g Release 1 (11.1.1), audit errors are logged. An example of such an audit error is:

```
IAM-0050001
```

```
oracle.iam.platform.async.TaskExecutionException: java.lang.Exception: Audit
```

```
handler failed
at com.thortech.xl.audit.engine.jms.XLAuditMessage.execute(XLAuditMessage.java:59)
```

These errors are benign and can be ignored because there is no loss of functionality.

21.2.87 Connector Upgrade Fails if Existing Data is Bigger in Size Than New Column Length

In the current release of some connectors, the sizes of some process form fields have been reduced. For example, the length of the UD_ADUSER_MNAME field in the Microsoft Active Directory connector release 9.1.1.5 has been reduced to 6 characters from 80 characters in release 9.0.4.16 of the connector. The length of the existing data in these columns or fields are already bigger in size than the new column length. As a result, the connector upgrade fails, and the following error is logged:

```
<Apr 16, 2011 4:52:37 PM GMT+05:30> <Error> <XELLERATE.DATABASE> <BEA-000000>
<ALTER TABLE UD_ADUSER MODIFY UD_ADUSER_MNAME VARCHAR2(6) java.sql.SQLException:
ORA-01441: cannot decrease column length because some value is too big
```

To workaround this issue:

1. Make sure that you create a backup of the database.
2. Restore the backed up database.
3. Check the logs to locate the 'ORA-01441: cannot decrease column length because some value is too big' exception. Note the form field name, such as UD_ADUSER_MNAME.
4. Open the Deployment Manager XML file that you are using for upgrade. Search for the form field in the <SDC_SQL_LENGTH> tag, and change the length to the base version length. You can get the base version length in the Deployment Manager XML of the base connector.
5. Retry the upgrade.

21.2.88 Connector Artifacts Count Increases in the Deployment Manager When File is Not Imported

When you upgrade a connector, map the connector artifacts between the base and latest versions, select the connector objects to be upgraded, and exit the upgrade without importing the objects by using the Deployment Manager, the connector artifacts count in the left panel displays more than the actual count. When this process is repeated, the artifacts count continues increasing. This is a known issue, and there is no loss of functionality.

21.2.89 Uploading JAR Files By Using the Upload JAR Utility Fails

When SSL is enabled for Oracle Identity Manager, uploading the JAR files by using the Upload JAR utility fails with the following error:

```
Error occurred in performing the operation:
Exception in thread "main" java.lang.NullPointerException at
oracle.iam.platformservice.utils.JarUploadUtility.main(JarUploadUtility.java:229)
```

With SSL enabled in Oracle Identity Manager, the server URL must contain the exact host name or IP address. If localhost is used as the host name, then the error is generated.

To workaround this issue, use the exact server URL.

21.2.90 Oracle Identity Manager Data and MT Upgrade Fails Because Change of Database User Password

If you are NOT upgrading the original Oracle Identity Manager Release 9.x database, but choose to export/import to a new database, then you must make sure that the database connection setting, schema name, and password in the *OIM_HOME/xellerate/config/xlconfig.xml* file used for the upgrade is correct.

To workaroud this issue, change the Oracle Identity Manager database information in the *xlconfig.xml* file. You must create a backup of this file before updating it. To update the file with the new database information, modify the information of the location where the database has been imported in the <URL>, <username>, and <Password ...> tags, as shown:

```
<DirectDB>
<driver>oracle.jdbc.driver.OracleDriver</driver>
<url>jdbc:oracle:thin:@localhost:1522:oimdb</url>
<username>oimadm</username>
<password encrypted="false"><NEW_PASSWORD_FOR_OIM_DB_USER></password>
<maxconnections>5</maxconnections>
<idletimeout>360</idletimeout>
<checkouttimeout>1200</checkouttimeout>
<maxcheckout>1000</maxcheckout>
</DirectDB>
```

21.2.91 Reverting Unsaved UDFs Are Not Supported in the Administration Details Page for Roles and Organizations

The Administration Details pages for roles and organizations in the Administrative and User Console do not support reverting unsaved UDF attribute values. Therefore, if you modify the UDF attribute values for a role or organization and then do not want to save the changes to these attributes, then perform one of the following:

- Close the tab with the modified role or organization. A warning message is displayed asking if you want to continue. Clicking **Yes** cancels all unsaved changes.
- You can manually edit the modified attributes to their original state. Saving the entity applies any other desired changes made.

21.2.92 Resources Provisioned to User Without Checking Changes in User Status After Request is Submitted

After submission of a request, if the user associated with the request, such as beneficiary, requester, or approver, is disabled or deleted, then the resources are provisioned to the user without checking for user status, such as Disabled or Deleted, after the request is approved.

21.2.93 Config.sh Command Fails When JRockit is Installed With Data Samples and Source

When you install *jrockit-jdk1.6.0_24-R28.1.3-4.0.1-linux-x64.bin* with demo samples and source, and install Oracle WebLogic Server using *wls1035_generic.jar* on a Linux 64-bit computer, and run Oracle Identity Manager configuration wizard by running the *config.sh* command from the *\$ORACLE_HOME/bin/* directory, the Oracle universal installer does not start and the following error message is displayed:

```
config.sh: line 162: 9855 Segmentation fault $INSTALLER_  
DIR/runInstaller-weblogicConfig ORACLE_HOME="$ORACLE_HOME" -invPtrLoc$ORACLE_  
HOME/oraInst.loc -oneclick $COMMANDLINE -Doracle.config.mode=true
```

21.2.94 Unexpected Memory Usage in Oracle Identity Manager 11g Release 1(11.1.1)

On running scheduled tasks that perform user orchestration in bulk, such as EndDateSchedulerTask and StartDateSchedulerTask, Oracle Identity Manager 11g Release 1 (11.1.1) might consume large memory space. This can cause Out of Memory issues.

This is a known issue, and a workaround is not available for this in the current release.

21.2.95 Reports Link No Longer Exists in the Administrative and User Console

Under the Administration tab of the Advanced Administration in the Administrative and User Console, the Reports link to generate BI Publisher Reports has been removed, even though BIP has been selected while installing Oracle Identity Manager.

21.2.96 Not Allowing to Delete a Role Whose Assigned User Members are Deleted

If the user members of a role have been deleted before revoking the role memberships, then the role cannot be deleted. Therefore, you must revoke the user role memberships that have been explicitly assigned before deleting the user.

21.2.97 Roles and Organizations Do Not Support String UDFs of Password Type

Creating a String UDF of password type for roles and organizations is not supported. If you try to create such a UDF, then the Administrative and User Console does not allow you create roles and organizations.

21.2.98 Manage Localizations Dialog Box Does Not Open After Modifying Roles

After a role is modified, the Manage Localizations dialog box is not opening on clicking the **Manage Localizations** button in the role details page.

To open the Manage Localizations dialog box after modifying a role, close the role details page and open it again.

21.2.99 Not Allowing to Create User With Language-Specific Display Name Values

In an Oracle Identity Manager deployment with Microsoft Active Directory (AD) as the LDAP server, localized display name values are supported when you specify the oimLanguage parameter values in the UserManagement plugin adapter for AD via OVD. However, a user cannot be created when a language-specific value for the Display Name attribute is specified in Canadian French or Latin American Spanish, even if these languages have been specified in oimLanguage. In addition, when you create a user without language-specific Display Name, and then modify the user to add Canadian French or Latin American Spanish Display Name values, the same issue persists.

21.2.100 SoD Check Results Not Displayed for Requests Created by Users for the PeopleSoft Resource

SoD check results are not displayed for the requests created by users for the PeopleSoft (PSFT) resource.

To workaroud this issue:

1. Open the PSFT connector XML file.
2. Under the <ITResource name = "PSFT Server"> tag, add the following:

```
<ITResourceAdministrator>
  <SUG_READ>1</SUG_READ>
  <SUG_UPDATE>1296129050000</SUG_UPDATE>
  <UGP_KEY UserGroup = "ALL USERS"/>
</ITResourceAdministrator>
```

3. Save the PSFT connector XML file.
4. Manually add or assign the ALL USERS role with Read permission to the PSFT Server IT resource.

21.2.101 The XL.UnlockAfter System Property and the Automatically Unlock User Scheduled Job Do Not Take Effect

The XL.UnlockAfter system property determines the unlock time for the locked user accounts after the specified time. If the user account is locked because of the maximum login attempt failure with invalid credentials, then the account is automatically unlocked after the time (in minutes) as configured in the XL.UnlockAfter system property. By default, the value of this system property is 0, which implies that the locked user is never unlocked automatically.

The Automatically Unlock User scheduled job is responsible for unlocking such users. This scheduled job is configured to run after every 24 hours (1 day).

Therefore, even after the maximum time of Oracle WebLogic lockout threshold and expiry of the time specified for the XL.UnlockAfter system property, the locked users might not be able to login unless the Automatically Unlock User scheduled job is run.

If you are changing the default value of the XL.UnlockAfter system property, then it is recommended to change the frequency of the Automatically Unlock User scheduled task so that both the values are in sync. This ensures that the scheduled task gets triggered at the appropriate interval, and the users are unlocked successfully and are able to login in to Oracle Identity Manager.

21.2.102 Resetting Password on Account Lockout Does Not Unlock User

In a Oracle Identity Manager deployment with LDAP synchronization enabled and integrated with Oracle Access Manager (OAM), a user is locked on entering incorrect password more than the maximum allowed limit. However, the user is not allowed to unlock by resetting the password until after reconciliation is run.

21.2.103 Incremental and Full Reconciliation Jobs Cannot Be Run Together

Both incremental and full reconciliation jobs cannot be run at the same time. Incremental reconciliation jobs are enabled and run in periodic intervals of 5 minutes. At the same time, when full reconciliation job is run, an error is generated.

To workaroud this issue, if full reconciliation needs to be run, then disable the incremental reconciliation jobs before running the full reconciliation jobs. After full reconciliation completes successfully, re-enable the incremental reconciliation jobs.

21.2.104 Incorrect Content in the ScheduleTask Jars Loaded and Third Party Jars Tables in the MT Upgrade Report

When Oracle Identity Manager release 9.1.x is upgraded to Oracle Identity Manager 11g Release 1 (11.1.1), the contents of the ScheduleTask Jars Loaded and Third Party Jars tables in the CRBUUpgradeReport.html page generated by MT upgrade are not correct. The original scheduled task JARs are not displayed in the ScheduleTask Jars Loaded table. Therefore, you must run the SQL query query to know the scheduled task JARs. In addition, the third-party JARs are incorrectly placed in the ScheduleTask Jars Loaded table.

However, this does not result in any loss of functionality.

21.2.105 Scroll Bar Not Available on the Select Connector Objects to Be Upgraded Page of the Connector Management - Upgrading Wizard

If the Connector Management - Upgrading wizard is opened by using Microsoft Internet Explorer, then all the fields and buttons on the Step 13: Select Connector Objects to Be Upgraded page might not be visible. There is no scroll bar available in this page. Therefore, maximize the window to display all the controls in the page.

21.2.106 Adapter Import Might Display Adapter Logic if Compilation Fails Because of Incorrect Data

If you import a process task adapter by using the Design Console and the adapter compilation fails because of incorrect data, then the error displays the entire code for the adapter.

This is a known issue, and a workaround is not available for this in the current release.

21.2.107 XIMDD Tests Fail in Oracle Identity Manager

After you deploy the Diagnostic Dashboard in Oracle Identity Manager, failures are encountered when you perform the following tests:

- Test OWSM setup by submitting a request with OWSM header information
- Test SPML to Oracle Identity Manager request invocation

The failures might occur because the Diagnostic Dashboard is not capable of performing tests when the `wss1_saml_or_username_token_policy` is attached to the SPML XSD Web services.

To workaround this issue, set the Web service to use the XIMDD supported policy. To configure the policies for the SPML XSD Web service:

1. Login to Fusion Middleware Control.
2. Navigate to **Application Deployments, spml-xsd**.
3. For a clustered deployment of Oracle Identity Manager, expand and select a node.
4. From the Application Deployment menu, select **Web Services**.
5. Click the **Web Service Endpoint** tab, and then click the **SPMLServiceProviderSOAP** link.
6. Click the **Policies** tab, and then click **Attach/Detach**.
7. Detach the default policy: `oracle/wss11_saml_or_username_token_with_message_protection_service_policy`.

8. Under Available Policies, select **oracle/wss_username_token_service_policy**. Otherwise, select the SSL version of the same policy if SSL is in use.
9. Click **Attach**, and then click **OK**.
10. For a clustered deployment of Oracle Identity Manager, repeat step 3 through step 9 for each managed node listed for SPML XSD.
11. Restart the application servers.

21.3 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Configuring UDFs to be Searchable for Microsoft Active Directory Connectors](#)
- [Creating or Modifying Role Names When LDAP Synchronization is Enabled](#)
- [ADF Issue Causes Oracle Identity Manager to Fail on the Sun JDK](#)
- [Nexaweb Applet Does Not Load In an Oracle Identity Manager and Oracle Access Manager Integrated Environment](#)
- [Packing a Domain With managed=false Option](#)
- [Option Not Available to Specify if Design Console is SSL-Enabled](#)
- [Nexaweb Applet Does Not Load in JDK 1.6.0_20](#)
- [Oracle Identity Manager and Design Console Must be Installed in Different Directory Paths](#)
- [Error on Adding Organization to User in Windows Explorer 8](#)

21.3.1 Configuring UDFs to be Searchable for Microsoft Active Directory Connectors

A Microsoft Active Directory connector installation automatically creates a UDF: USR_UDF_OBGUID. When you add a new user-defined field (UDF), the "searchable" property will be false by default unless you provide a value for that property. After installing an Active Directory connector, you must perform the following steps to make the user-defined field searchable:

1. Using the Advanced Administration console (user interface), change the "searchable" UDF property to true by performing the following steps:
 - a. Click the Advanced tab.
 - b. Select User Configuration and then User Attributes.
 - c. Modify the USR_UDF_OBGUID attribute in the Custom Attributes section by changing the "searchable" property to true.
2. Using the Identity Administration console (user interface), create a new Oracle Entitlement Server policy that allows searching the UDF by performing the following steps:
 - a. Click the Administration tab and open the Create Authorization policy.
 - b. Enter a Policy Name, Description, and Entity Name as User Management.
 - c. Select Permission, then View User Details, and then Search User.
 - d. Edit the Attributes for View User Details and select all of the attributes.
 - e. Select the SYSTEM ADMINISTRATOR role name.

- f. Click Finish.

21.3.2 Creating or Modifying Role Names When LDAP Synchronization is Enabled

When LDAP synchronization is enabled and you attempt to create or modify a role, entering a role name comprised of approximately 1,000 characters prevents the role from being created or modified and causes a `Decoding Error` to appear. To work around this issue, use role names comprised of fewer characters.

21.3.3 ADF Issue Causes Oracle Identity Manager to Fail on the Sun JDK

Due to an ADF issue, using the Oracle Identity Manager application with the Sun JDK causes a `StringIndexOutOfBoundsException` error. To work around this issue, add the following option to the `DOMAIN_HOME/bin/setSOADomainEnv.sh` or the `setSOADomainEnv.cmd` file:

1. Open the `DOMAIN_HOME/bin/setSOADomainEnv.sh` or `setSOADomainEnv.cmd` file.
2. Add the `-XX:-UseSSE42Intrinsics` line to the JVM options.
3. Save the `setSOADomainEnv.sh` or `setSOADomainEnv.cmd` file.

Note: This error does not occur when you use JRockit.

21.3.4 Nexaweb Applet Does Not Load In an Oracle Identity Manager and Oracle Access Manager Integrated Environment

In an Oracle Identity Manager and Oracle Access Manager (OAM) integrated environment, when you login to the Oracle Identity Manager Administrative and User Console and click a link that opens the Nexaweb applet, the applet does not load.

To workaroud this issue, configure loading of the NexaWeb Applet in an Oracle Identity Manager and OAM integrated environment. To do so:

1. Login to the Oracle Access Manager Console.
2. Create a new Webgate ID. To do so:
 - a. Click the **System Configuration** tab.
 - b. Click **10Webgates**, and then click the Create icon.
 - c. Specify values for the following attributes:
Name: `NAME_OF_NEW_WEBGATE_ID`
Access Client Password: `PASSWORD_FOR_ACCESSING_CLIENT`
Host Identifier: `IDMDomain`
 - d. Click **Apply**.
 - e. Edit the Webgate ID, as shown:
`set 'Logout URL' = /oamssso/logout.html`
 - f. Deselect the **Deny On Not Protected** checkbox.
3. Install a second Oracle HTTP Server (OHS) and Webgate. During Webgate configurations, when prompted for Webgate ID and password, use the Webgate ID name and password for the second Webgate that you provided in step 2c.

4. Login to the Oracle Access Manager Console. In the Policy Configuration tab, expand Application Domains, and open IdMDomainAgent.
5. Expand Authentication Policies, and open Public Policy. Remove the following URLs in the Resources tab:

```
/xlWebApp/.../*
```

```
/xlWebApp
```

```
/Nexaweb/.../*
```

```
/Nexaweb
```

6. Expand Authorization Policies, and open Protected Resource Policy. Remove the following URLs in the Resources tab:

```
/xlWebApp/.../*
```

```
/xlWebApp
```

```
/Nexaweb/.../*
```

```
/Nexaweb
```

7. Restart all the servers.

8. Update the obAccessClient.xml file in the second Webgate. To do so:

- a. Create a backup of the *SECOND_WEBGATE_HOME*/access/oblix/lib/ObAccessClient.xml file.

- b. Open the *DOMAIN_HOME*/output/*WEBGATE_ID_FOR_SECOND_WEBGATE*/ObAccessClient.xml file.

Note: Ensure that the DenyOnNotProtected parameter is set to 0.

- c. Copy the *DOMAIN_HOME*/output/*WEBGATE_ID_FOR_SECOND_WEBGATE*/ObAccessClient.xml file to the *SECOND_WEBGATE_HOME*/access/oblix/lib/ directory.

9. Copy the mod_wls_ohs.conf from the *FIRST_OHS_INSTANCE_HOME*/config/*OHS_NAME*/ directory to the *SECOND_OHS_INSTANCE_HOME*/config/*OHS_NAME*/ directory. Then, open the mod_wls_host.conf of the second OHS to ensure the WebLogicHost and WeblogicPort are still pointing to Oracle Identity Manager managed server host and port.

10. Remove or comment out the following lines in the *SECOND_OHS_INSTANCE_HOME*/config/*OHS_NAME*/httpd.conf file:

```
<LocationMatch "/oamssso/*">
    Satisfy any
</LocationMatch>
```

11. Copy the logout.html file from the *FIRST_WEBGATE_HOME*/access/oamssso/ directory to the *SECOND_WEBGATE_HOME*/access/oamssso/ directory. Then, open the logout.html file of the second Webgate to ensure that the host and port setting of the *SERVER_LOGOUTURL* variable are pointing to the correct OAM host and port.

12. Login to Oracle Access Manager Console. In the Policy Configuration tab, expand **Host Identifiers**, and open the host identifier that has the same name as the second Webgate ID name. In the Operations section, verify that the host and port

for the second OHS are listed. If not, then click the add icon (+ sign) to add them. Then, click **Apply**.

13. Use the second OHS host and port in the URL for the OAM login page for Oracle Identity Manager. The URL must be in the following format:

`http://SECOND_OHS_HOST:SECOND_OHS_PORT/admin/faces/pages/Admin.jspx`

21.3.5 Packing a Domain With managed=false Option

When a domain is packed with the managed=false option and unpacked on the another computer, Oracle Identity Manager Authentication Provider is not recognized by WebLogic and basic administrator authentication fails when the Oracle Identity Manager managed server is started.

The following workaround can be applied for performing successful authentication via Oracle Identity Manager Authentication Provider:

1. Login in to the Oracle WebLogic Administrative Console by using the following URL:

`http://HOST_NAME:ADMIN_PORT/console`

2. Navigate to **Security Realms, Realm(myrealm)**, and then to **Providers**.
3. Delete OIMAuthenticationProvider.

Note: Make sure that you note the provider-specific details, such as the database URL, password, and driver, before deleting the provider.

4. Restart the WebLogic Administrative Server.
5. Navigate to **Security Realms, Realm(myrealm)**, and then to **Providers**.
6. Create a new Authentication Provider of type OIMAuthenticationProvider.
7. Enter the provider specific details and mark the control flag as SUFFICIENT.
8. Restart the WebLogic Administrative Server.
9. Restart Oracle Identity Manager and other servers, if any.

21.3.6 Option Not Available to Specify if Design Console is SSL-Enabled

While configuring Oracle Identity Manager Design Console, you cannot specify if Design Console is SSL-enabled.

To workaround this issue after installing Oracle Identity Manager Design Console, edit the `OIM_HOME/designconsole/config/xlconfig.xml` file to change the protocol in the Oracle Identity Manager URL from `t3` to `t3s`.

21.3.7 Nexaweb Applet Does Not Load in JDK 1.6.0_20

Deployment Manager and Workflow Visualizer might not work if the client browser has JDK/JRE installed on it whose version is 1.6.0_20. To workaround this issue, uninstall the JDK/JRE version 1.6.0_20 from the client browser and reinstall the JDK/JRE version 1.6.0_15.

21.3.8 Oracle Identity Manager and Design Console Must be Installed in Different Directory Paths

Oracle recommends to install Oracle Identity Manager and the Design Console in different directory paths.

21.3.9 Error on Adding Organization to User in Windows Explorer 8

In Microsoft Windows Internet Explorer 8 web browser, when you find and select an organization in the popup window from the Create User page, clicking the **Add** button displays the following error:

```
popup is null or not an object
```

To workaroud this issue, make sure that the **Display a notification about every script error** option is not selected in the Advanced tab of the Internet Options dialog box.

21.4 Multi-Language Support Issues and Limitations

This section describes multi-language issues and limitations. It includes the following topics:

- [Multi-language Valued Attributes in SPML and Oracle Identity Manager Do Not Match](#)
- [Login Names with Some Special Characters May Fail to Register](#)
- [The Create Role, Modify Role, and Delete Role Request Templates are Not Available for Selection in the Request Templates List](#)
- [Parameter Names and Values for Scheduled Jobs are Not Translated](#)
- [Bidirectional Issues for Legacy User Interface](#)
- [Localization of Role Names, Role Categories, and Role Descriptions Not Supported](#)
- [Localization of Task Names in Provisioning Task Table Not Supported](#)
- [Localization of Search Results of Scheduled Tasks Not Supported](#)
- [Searching for User Login Names Containing Certain Turkish Characters Causes an Error](#)
- [Localization of Notification Template List Values for Available Data Not Supported](#)
- [Searching for Entity Names Containing German "ß" \(Beta\) Character Fails in Some Features](#)
- [Special Asterisk \(*\) Character Not Supported](#)
- [Translated Error Messages Are Not Displayed in UI](#)
- [Reconciliation Table Data Strings are Hard-coded on Reconciliation Event Detail Page](#)
- [Translated Password Policy Strings May Exceed the Limit in the Background Pane](#)
- [Date Format Validation Error in Bi-Directional Languages](#)
- [Mistranslation on the Create Job page](#)

- E-mail Notification for Password Expiration Cannot Be Created With Arabic Language Setting
- Translated Justification is Not Displayed in Access Policy-Based Resource Provisioning Request Detail
- Additional Single Quotes Displayed in GTC Reconciliation Mapping Page for French UI
- Not Allowing to Enter Design Console Password When Server Locale is Set to Simple Chinese, Traditional Chinese, Japanese, or Korean
- Bidirectional Text Not Supported in Nexaweb Pages
- Do Not Modify Oracle Identity Manager Predefined System Properties in Non-English Locale
- Error Generated When Translated String for System Property Name Exceeds Maximum Allowed Length in PTY_NAME Column
- Password Notification is Not Sent if User Login Contains Special Characters
- Reset Password Fails if User Login Contains Lowercase Special Characters
- Email Notification Not Send Per Preferred Locale
- Help Contents Displayed in English on Non-English Browsers

21.4.1 Multi-language Valued Attributes in SPML and Oracle Identity Manager Do Not Match

Oracle Identity Manager supports only the Display Name attribute for multi-language values. SPML specifies additional attributes, such as commonName and surname, as multi-language valued in the PSO schema. When multiple locale-values are specified in an SPML request for one of these attributes, only a single value is picked and passed to Oracle Identity Manager. The request will not fail and a warning message identifying the attributes and the value that was passed to Oracle Identity Manager is provided in the response.

21.4.2 Login Names with Some Special Characters May Fail to Register

In Oracle Identity Manager, the user login name is case-insensitive. When a user is created, the login name is converted to upper case and saved in the database. But the password is always case-sensitive. However, some special characters may encounter an error while registering to Oracle Identity Manager:

- Both the Greek characters σ (sigma) and σ (final sigma) maps to the σ character.
- Both English character i and Turkish character \i maps to the I character.
- Both German character β and English string SS maps to the SS string.

This means that two user login names containing these special characters when the other characters in the login names are same cannot be created. For example, the user login names $\text{John}\beta$ and JohnSS maps to the same user login name. If $\text{John}\beta$ already exists, then creation of JohnSS is not allowed because both the β character and the SS string maps to the SS string.

21.4.3 The Create Role, Modify Role, and Delete Role Request Templates are Not Available for Selection in the Request Templates List

The Create Role, Modify Role, and Delete Role request templates are not available in the Request Templates list of the Create Request wizard. This is because request creation by using any request template that are based on the Create Role, Modify Role, and Delete Role request models are supported from the APIs, but not in the UI. However, you can search for these request templates in the Request Templates tab. In addition, the Create Role, Modify Role, and Delete Role request models can be used to create approval policies and new request templates.

21.4.4 Parameter Names and Values for Scheduled Jobs are Not Translated

In the Create Job page of Oracle Identity Manager Advanced Administration, the fields in the Parameter section and their values are not translated. The parameter field names and values are available only in English.

21.4.5 Bidirectional Issues for Legacy User Interface

The following are known issues in the legacy user interface, also known as TransUI, contained in the xlWebApp war file:

- Hebrew bidirectional is not supported
- Workflow designer bidirectional is not supported for Arabic and Hebrew

21.4.6 Localization of Role Names, Role Categories, and Role Descriptions Not Supported

Localization of role names, categories, and descriptions is not supported in this release.

21.4.7 Localization of Task Names in Provisioning Task Table Not Supported

All Task Name values in the Provisioning Task table list are hard-coded and these pre-defined process task names are not localized.

21.4.8 Localization of Search Results of Scheduled Tasks Not Supported

When you search Scheduler Tasks using a Simple or Advanced search, the search results are not localized.

21.4.9 Searching for User Login Names Containing Certain Turkish Characters Causes an Error

On the Task Approval Search page, if you select "View Tasks Assigned To", then "Users You Manage", and then choose a user whose login name contains a Turkish Undotted "" or a Turkish dotted "" character, a User Not Found error will result.

21.4.10 Localization of Notification Template List Values for Available Data Not Supported

Localizing Notification Template Available Data list values is not supported in this release. Oracle Identity Manager depends upon the Velocity framework to merge tokens with actual values, and Velocity framework does not allow a space in token names.

21.4.11 Searching for Entity Names Containing German "ß" (Beta) Character Fails in Some Features

When you search for entity names containing the special German "ß" (beta) character from the Admin Console, the search fails in the following features:

- System Configuration
- Request Template
- Approve Policy
- Notification

In these features, the "ß" character matches to "ss" instead of itself. Consequently, the Search function cannot find entity names that contain the German beta character.

21.4.12 Special Asterisk (*) Character Not Supported

Although special characters are supported in Oracle Identity Manager, using the asterisk character (*) can cause some issues. You are advised not to use the asterisk character when creating or modifying user roles and organizations.

21.4.13 Translated Error Messages Are Not Displayed in UI

Oracle Identity Manager does not support custom resource bundles for Error Message display in user interfaces. Currently, there is no workaround for this issue.

21.4.14 Reconciliation Table Data Strings are Hard-coded on Reconciliation Event Detail Page

Some of the table data strings on the Reconciliation Event Detail page are hard-coded, customized field names. These strings are not localized.

21.4.15 Translated Password Policy Strings May Exceed the Limit in the Background Pane

Included as per bug# 9539501

The password policy help description may run beyond the colored box in some languages and when the string is too long. Currently, there is no workaround for this issue.

21.4.16 Date Format Validation Error in Bi-Directional Languages

When Job Detail page is opened in bi-directional languages, you cannot navigate away from this page because of "Date Format Validation Error". To work around this issue, select a value for the "Start Date" using the date-time control and then move to another page.

21.4.17 Mistranslation on the Create Job page

On the Japanese locale (LANG=ja_JP.UTF-8), "Fourth Wednesday" is mistranslated as "Fourth Friday" on the Create Job page when "Cron" is selected as the Schedule Type and "Monthly on given weekdays" is selected as the Recurring Interval.

21.4.18 E-mail Notification for Password Expiration Cannot Be Created With Arabic Language Setting

When the server locale is set to ar_AE.utf8 and values for user.language and user.region system properties are ar and AE respectively, if you create a password expiration warning e-mail notification in the Design Console, the value AE is not available for selection in the Region field. As a result, the email notification message cannot be created.

To workaround this issue:

1. Open the Lookup Definitions form in the Design Console.
2. Search for 'Global.Lookup.Region'.
3. Add an entry with Code key and Decode value as 'AE'. You can now create an e-mail definition with language ar and region AE.

21.4.19 Translated Justification is Not Displayed in Access Policy-Based Resource Provisioning Request Detail

When an access policy with approval is created, it generates a resource provisioning request that is subject to approval. In the request details page in Self Service or Advanced Administration, the translated request justification according to the locale setting by the user is not displayed. The justification is displayed in the default server locale.

21.4.20 Additional Single Quotes Displayed in GTC Reconciliation Mapping Page for French UI

When you set the Oracle Identity Manager Administrative and User Console locale to French, select the Provisioning and Reconciliation checkboxes while creating a Generic Technology Connector (GTC), and map the reconciliation fields in the page for modifying mapping fields, a message is displayed with two single quotes. You can ignore the single quotes because this is benign and has no effect on functionality.

21.4.21 Not Allowing to Enter Design Console Password When Server Locale is Set to Simple Chinese, Traditional Chinese, Japanese, or Korean

When you set the server locale to Simple Chinese, Traditional Chinese, Japanese, or Korean, and start the Design Console, you are not allowed to enter the password to login to the Design Console.

To workaround this issue:

1. Kill all scim processes. To do so, run the following command:

```
kill `pgrep scim`
```

2. Edit the scim config file. To do so:

- a. Search for the following line:

```
/FrontEnd/X11/Dynamic = .....
```

- b. Enter true as the value, as shown:

```
/FrontEnd/X11/Dynamic = true
```

Note: If this line does not exist, then enter:

```
/Frontend/X11/Dynamic = true
```

- c. Save the file.
3. Log out of the VNC viewer.
4. Restart the VNC server and log in again. You can now enter the password for the Design Console.

21.4.22 Bidirectional Text Not Supported in Nexaweb Pages

The Nexaweb pages that open from the Oracle Identity Manager Administrative and User Console do not support bidirectional text. For example, when you select any of the languages that are written from right to left, such as Arabic or Hebrew, and click **Install Connector** on the Welcome page, search for a connector, click **Upgrade**, and then proceed to step 13 of the Connector Upgrade wizard, the text in the page is not displayed from right to left.

21.4.23 Do Not Modify Oracle Identity Manager Predefined System Properties in Non-English Locale

When the user preference language for the Administrative and User Console is not English, and you update the value of a predefined system property in Oracle Identity Manager, translated property name and keyword are written in the PTY table. Therefore, on searching for system properties in the Administrative and User Console, this system property is not found.

21.4.24 Error Generated When Translated String for System Property Name Exceeds Maximum Allowed Length in PTY_NAME Column

When you try to set the value of a system property in a Western language UI, such as French, and if the translation string length exceeds the maximum allowed length, which is 80 characters, in the PTY_NAME column of the PTY table, then an error is generated.

21.4.25 Password Notification is Not Sent if User Login Contains Special Characters

For a user entity created with valid e-mail address in LDAP, if the User Login contains the German beta character, then the notification message is not sent on running LDAP user create/update full reconciliation.

21.4.26 Reset Password Fails if User Login Contains Lowercase Special Characters

In a Oracle Identity Manage deployment with LDAP synchronization enabled, if the User Login contains special characters such as Turkis dotted I, dotless i, German beta, and Greek sigma in lowercase format, then the reset password does not work.

To workaroud this issue, use uppercase User Login to reset password because User Login is not case-sensitive in Oracle Identity Manager.

21.4.27 Email Notification Not Send Per Preferred Locale

When provisioning a resource to a user, the provisioned user and the user's manager receive the email notification in the locale as specified for user.language and user.country instead of their preferred locale.

21.4.28 Help Contents Displayed in English on Non-English Browsers

On non-English Web browsers, clicking the **Help** link on the top-right corner of the Oracle Identity Manager Self Service, Identity Administration, or Advanced Administration opens the help window, but always displays the on-line help contents in English.

21.5 Documentation Errata

Documentation Errata: Currently, there are no documentation issues to note.

Oracle Identity Navigator

This chapter describes issues associated with Oracle Identity Navigator. It includes the following topics:

- Section 22.1, "General Issues and Workarounds"
- Section 22.2, "Configuration Issues and Workarounds"
- Section 22.3, "Documentation Errata"

22.1 General Issues and Workarounds

This section describes general issue and workarounds. It includes the following topics:

- Section 22.1.1, "Avoid Selecting Reset Page in Dashboard Edit Mode"
- Section 22.1.2, "How to Navigate Product Registration Using the Keyboard"
- Section 22.1.3, "How to Navigate Product Discovery When Using the Keyboard"
- Section 22.1.4, "Color Contrast is Inadequate for Some Labels in Edit Mode"
- Section 22.1.5, "No Help Topic in Dashboard Edit Mode"
- Section 22.1.6, "Customization Problem in Internet Explorer 7"
- Section 22.1.7, "Discovery Problem in Internet Explorer 7"
- Section 22.1.8, "How to Navigate BI Publisher Configuration When Using the Keyboard"
- Section 22.1.9, "User Missing From Common Admin Role Search Results"
- Section 22.1.10, "Unable to View Users After Log in Or Log In Fails In Oracle Identity Manager Environment"
- Section 22.1.11, "Horizontal Scroll-bar Missing in Discovery Wizard"

22.1.1 Avoid Selecting Reset Page in Dashboard Edit Mode

If you select **Customize** to personalize the Dashboard, then click **Reset Page**, expect an error message. Reload Oracle Identity Navigator to recover from this error.

22.1.2 How to Navigate Product Registration Using the Keyboard

In the Product Registration section of the Administration screen, after you enter data into all the fields in the right pane, you must enter many Tab strokes to reach the **Test**, **Save**, or **Cancel** button. As a workaround, you can use Shift-Tab to move in the opposite direction.

You cannot use the Tab key alone to navigate the left pane of the Product Registration section. Use the Tab to move focus to the first category, then click the left or right arrow keys to expand and collapse the tree. Use the up and down arrow keys to navigate the nodes.

22.1.3 How to Navigate Product Discovery When Using the Keyboard

When you use **Product Discovery** to discover consoles, you enter a **Host** and **Port**, then click **Next**. Then, in the Add Products pane, you enter a **Display Name** for each of the products. If you want to change the display name, you must delete the entire name to retype it. Alternatively, you can enter the F2 key to switch to insert mode, then use left and right arrow keys to move around the display name characters.

You cannot use the arrow keys alone to navigate through the Category list on the Add Products pane. Inside the editable table, use the F2 key to focus on a field, then use up and down arrows to make a selection within the field.

22.1.4 Color Contrast is Inadequate for Some Labels in Edit Mode

After clicking **Customize** to change the layout of the Dashboard, some users might find certain labels, such as + **Add Content**, difficult to read, due to poor contrast.

22.1.5 No Help Topic in Dashboard Edit Mode

If you select **Customize** to personalize the Dashboard, then click the? icon for **Oracle Composer Help**, the help page displays `Topic Not Found`.

See "Personalizing Oracle Identity Navigator" in *Oracle Fusion Middleware Administrator's Guide for Oracle Identity Navigator* for more information about personalizing the Dashboard.

22.1.6 Customization Problem in Internet Explorer 7

If you enter Edit mode by clicking **Customize** in the global navigation links on the Dashboard in IE7, you will not be able to edit the page because the toolbar is hidden. As a workaround, use a different browser. If you use Internet Explorer 8, do not use compatibility mode.

22.1.7 Discovery Problem in Internet Explorer 7

Intermittently, when you use product discovery in Internet Explorer 7, buttons might disappear in the product discovery wizard. Refresh the browser to correct this problem.

22.1.8 How to Navigate BI Publisher Configuration When Using the Keyboard

When you use keyboard navigation to configure BI Publisher, when the Component Path dialogue box opens, use the Tab key along with the arrow keys to navigate in tree structure.

22.1.9 User Missing From Common Admin Role Search Results

The last user assigned the Application Configuration role may not appear in the Common Admin Roles search results list. This can occur if a search for Common Admin Roles is performed in the Access Privileges page immediately after assigning this role.

To workaround this issue, click another role type in the Role Name pane, then click Application Configuration role. The user last assigned the Application Configuration role displays in the Access Privileges list.

22.1.10 Unable to View Users After Log in Or Log In Fails In Oracle Identity Manager Environment

This issue can affect environments configured to use both Oracle Identity Manager and Oracle Identity Navigator. After log in to Oracle Identity Navigator using the bootstrap administrator credentials, users may not be visible in Access Privileges page. Or the log in attempt will fail. Issue is caused if the identity store entry in `jps-config.xml` is changed from the default value, `<serviceInstanceRef ref="idstore.ldap"/>`, to `<serviceInstanceRef ref="idstore.oim"/>`.

To verify this entry, check the value in `<Extended_Domain_Home>/config/fmwconfig/jps-config.xml` as follows:

1. Search for the `jpscontexts` section, with the name `default`, in the file. The section looks like the following:

```
<jpsContext name="default">
    <serviceInstanceRef ref="credstore"/>
    <serviceInstanceRef ref="keystore"/>
    <serviceInstanceRef ref="policystore.xml"/>
    <serviceInstanceRef ref="audit"/>
    <serviceInstanceRef ref="idstore.oim"/>
</jpsContext>
```

2. To change the entry, perform steps 1 through 11 as detailed in "Post-Configuration Steps" in *Oracle Fusion Middleware Installation Guide for Oracle Identity and Access Management*.

Oracle Authorization Policy Manager does not need to be installed in your environment to perform this procedure.

22.1.11 Horizontal Scroll-bar Missing in Discovery Wizard

The full URL may not be viewable in the second page of the Discovery Wizard when viewed in a browser window.

To workaround this issue, collapse the left pane to view the full URL.

22.2 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 22.2.1, "No Oracle Icon is Visible in HTML Reports"](#)
- [Section 22.2.2, "Problems with Administration Screen When Using JAWS Screen Reader"](#)
- [Section 22.2.3, "SSO-Protected Consoles Must Be Configured by Name and Domain"](#)

22.2.1 No Oracle Icon is Visible in HTML Reports

If you choose HTML as the format type when adding a report from the Dashboard screen, when you view the report, the words **An Image** appear in the report in place of the Oracle icon.

22.2.2 Problems with Administration Screen When Using JAWS Screen Reader

When you use a screen reader such as JAWS with the Administration screen in accessibility mode, and you bring up the list of combo boxes using the INS+CTRL+C JAWS keystroke, the combo boxes on the screen are listed as:

*Required Category(Required) Combo box

*Required Type(Required) Combo box

With this naming convention, keyboard shortcuts such as C for Category or T for Type do not work. Use the up and down arrow keys to navigate to fields within and between the two combo boxes.

22.2.3 SSO-Protected Consoles Must Be Configured by Name and Domain

Sometimes, when you use product discovery to find a console, even if you provide the host by name, the discovered address that fills in contains an IP address instead of the host and domain names.

If the console is protected by SSO, replace the IP address with the `host.domain` address that is known to SSO. For example, use an address such as `http://myhost.mycompany.com:7005/odsm` rather than `http://130.35.10.10:7005/odsm`. If you do not replace the IP address with the host and domain, single sign-on will not occur. That is, when users attempt to access the console from Oracle Identity Navigator, they will be prompted for their login name and password.

In some browsers, a redirection or connection error occurs.

22.3 Documentation Errata

This section describes documentation errata. It includes the following topic:

- [Section 22.3.1, "IPv4/IPv6 Translation Issues"](#)

22.3.1 IPv4/IPv6 Translation Issues

The following statement appears in the Troubleshooting section in Chapter 2 and in a note in Chapter 3 of *Oracle Fusion Middleware Administrator's Guide for Oracle Identity Navigator*:

In a dual-stack, IPv4 and IPv6 environment, some URLs might be inaccessible from your browser. Consult your network administrator for more information.

Actually, in a correctly configured dual-stack environment, all URLs are accessible. For more information about IPv4/IPv6 Translation Issues, see *Framework for IPv4/IPv6 Translation draft-ietf-behave-v6v4-framework-09* at: <http://www.ietf.org/>

Oracle Internet Directory

This chapter describes issues associated with Oracle Internet Directory. It includes the following topics:

- Section 23.1, "General Issues and Workarounds"
- Section 23.2, "Configuration Issues and Workarounds"
- Section 23.3, "Documentation Errata"

23.1 General Issues and Workarounds

This section describes general issue and workarounds. It includes the following topics:

- Section 23.1.1, "Cloned Oracle Internet Directory Instance Fails or Runs Slowly"
- Section 23.1.2, "Oracle Internet Directory Fails to Start on Solaris SPARC System Using ISM"
- Section 23.1.3, "Custom Audit Policy Settings Fail When Set Through Enterprise Manager"
- Section 23.1.4, "Deleting Mandatory `attributeTypes` Referenced by `objectClass` is Successful"
- Section 23.1.5, "Oracle Unified Directory 11.1.2.0 `orclguid` Attribute is Not Mapped for Server Chaining"
- Section 23.1.6, "ODSM is Not Displaying Online Help Correctly in Internet Explorer 11"
- Section 23.1.7, "ODSM Browser Window Becomes Unusable"
- Section 23.1.8, "In `ldapdelete` Command `-V` Should Be The Last Parameter"
- Section 23.1.9, "Bulkmodify Might Generate Errors"
- Section 23.1.10, "Turkish Dotted I Character is Not Handled Correctly"
- Section 23.1.11, "OIDCMPREC Might Modify Operational Attributes"
- Section 23.1.12, "OIDREALM Does Not Support Realm Removal"
- Section 23.1.13, "Apply Patch to Oracle Database 11.2.0.1.0 to Fix Purge Job Problem"
- Section 23.1.14, "SQL of OPSS `ldapsearch` Might Take High %CPU"
- Section 23.1.15, "If you Start the Replication Server by Using the Command Line, Stop it Using the Command Line"
- Section 23.1.16, "ODSM Problems in Internet Explorer 7"

23.1.1 Cloned Oracle Internet Directory Instance Fails or Runs Slowly

In a cloned Oracle Internet Directory environment, undesired host names can cause errors, failures, or performance degradation.

This problem can occur when you clone an Oracle Internet Directory instance and the cloned target instance gets undesired host names from the source instance. Some of these hosts might be outside of a firewall or otherwise inaccessible to the target instance.

The cloned Oracle Internet Directory instance assumes it is in a clustered environment and tries to access the undesired hosts for notifications and other changes. However, the cloned instance cannot access some of the hosts and subsequently fails, returns errors, or runs slowly.

For example, this problem can occur during the following operations for a cloned Oracle Internet Directory target instance:

- Running the `faovmdeploy.sh createTopology` command to create an Oracle Virtual Machine (VM)
- Deploying Enterprise Manager agents in different Oracle Virtual Machines

To fix this problem, remove the undesired host names from the cloned Oracle Internet Directory instance, as follows:

1. Set the required environment variables. For example:

```
export ORACLE_INSTANCE=/u01/oid/oid_inst
export ORACLE_HOME=/u01/oid/oid_home
export PATH=$ORACLE_HOME/bin:$ORACLE_INSTANCE/bin:$PATH
export TNS_ADMIN=$ORACLE_INSTANCE/config
```

2. Connect to the Oracle Database and delete the entries with the undesired Oracle Internet Directory host names. For example, in the following queries, substitute the undesired host name for *sourceHostname*:

```
sqlplus ods@oiddb
delete from ods_shm where nodename like '%sourceHostname%';
delete from ods_shm_key where nodename like '%sourceHostname%';
delete from ods_guardian where nodename like '%sourceHostname%';
delete from ods_process_status where hostname like '%sourceHostname%';
commit;
```

3. Stop and then restart the cloned Oracle Internet Directory component. For example:

```
opmnctl stopproc ias-component=oid1
opmnctl startproc ias-component=oid1
```

4. Find the `cn` entries with the undesired Oracle Internet Directory host names. For example:

```
ldapsearch -h oid_host -p oid_port -D cn=orcladmin -w admin_password -b
"cn=subregistrysubentry" -s sub "objectclass=*" dn
cn=oid1_1_hostName1,cn=osldapd,cn=subregistrysubentry
cn=oid1_1_hostName2,cn=osldapd,cn=subregistrysubentry
cn=oid1_1_myhost.example.com,cn=osldapd,cn=subregistrysubentry
```

5. From the results in the previous step, remove the entries with the undesired host names. For example:

```
ldapdelete h oid_host -p oid_port -D cn=orcladmin -w admin_password
"cn=oid1_1_hostName1,cn=osldapd,cn=subregistrysubentry"
```

```
ldapdelete h oid_host -p oid_port -D cn=orcladmin -w admin_password
"cn=oid1_1_hostName2,cn=oslddapd,cn=subregistrysubentry"
```

6. Verify that the undesired host names are removed. For example:

```
ldapsearch h oid_host -p oid_port -D cn=orcladmin -w admin_password -b
"cn=subregistrysubentry" -s sub "objectclass=*" dn
cn=oid1_1_myhost.example.com,cn=oslddapd,cn=subregistrysubentry
```

See Also: "Cloning Oracle Fusion Middleware" in the *Oracle Fusion Middleware Administrator's Guide*.

23.1.2 Oracle Internet Directory Fails to Start on Solaris SPARC System Using ISM

Oracle Internet Directory fails to start on the following Oracle Solaris SPARC system using Intimate Shared Memory (ISM): 5.11 11.1 sun4v sparc sun4v

As a workaround for this problem, set the following values, as shown in the next procedure:

- Set the total amount of operating system physical locked memory allowed (`project.max-locked-memory`) for Oracle Internet Directory to 2 GB or higher so that the value aligns with the supported page sizes. The `pagesize -a` command lists all the supported page sizes on Solaris systems.
- Set the `orclecachemaxsize` attribute to less than the `project.max-locked-memory` and ensure that the value aligns with the OS supported page sizes. For example, set the value to 256 MB.

In the following procedure, it is assumed that the Oracle Internet Directory services are managed by an operating system user named "oracle":

1. Log in to the Solaris SPARC system as the root user.
2. Check the project membership of the OID user.

If the OID user belongs to the default project:

- a. Create a new project with the value of maximum locked memory set to 2 GB or higher, and associate the OID user with the newly created project. On Solaris 10 and 11, project id 3 represents the default project. For example:

```
# id -p oracle
uid=2345(oracle) gid=529(dba) projid=3(default)
# projadd -p 150 -K "project.max-locked-memory=(priv,2G,deny)" oidmaxlkmem
# usermod -K project=oidmaxlkmem oracle
```

- b. Verify that the value for the resource control `project.max-locked-memory` was set to 2 GB, as expected. For example:

```
# su - oracle

$ id -p oracle
uid=2345(oracle) gid=529(dba) projid=150(oidmaxlkmem)

$ prctl -n project.max-locked-memory -i project 150
project: 150: oidmaxlkmem
NAME      PRIVILEGE      VALUE      FLAG      ACTION      RECIPIENT
project.max-locked-memory
          privileged     2.00GB     -         deny        -
          system        16.0EB     max        deny        -
```

If the OID user belongs to a non-default project:

- a. Modify the corresponding project to include the `project.max-locked-memory` resource control and set the value to 2 GB or higher. For example:

```
# id -p oracle
uid=2345(oracle) gid=529(dba) projid=125(oraproj)

# projmod -a -K "project.max-locked-memory=(priv,2G,deny)" oraproj
```

- b. Verify that the value for the resource control `project.max-locked-memory` was set to 2 GB, as expected. For example:

```
# projects -l oraproj
oraproj
    projid : 125
    comment: ""
    users  : (none)
    groups : (none)
    attribs: project.max-locked-memory=(priv,2147483648,deny)
           project.max-shm-memory=(priv,34359738368,deny)

# su - oracle
$ id -p
uid=2345(oracle) gid=529(dba) projid=125(oraproj)
```

```
$ prctl -n project.max-locked-memory -i project 125
project: 125: oraproj
NAME      PRIVILEGE      VALUE      FLAG      ACTION      RECIPIENT
project.max-locked-memory
          privileged    2.00GB     -         deny        -
          system      16.0EB     max       deny        -
```

3. Set the entry cache maximum size (`orclcachemaxsize` attribute) to a value that is less than the maximum locked memory size allowed by the OS and that aligns with the OS supported page sizes.

For example, using SQL*Plus, set the value to 256 MB:

```
sqlplus ods@oiddb
update ds_attrstore set attrval='256m'
  where entryid=940 and attrname='orclcachemaxsize';
commit;
```

4. Run the `config.sh` script to configure Oracle Internet Directory.

23.1.3 Custom Audit Policy Settings Fail When Set Through Enterprise Manager

If you set custom Audit Policy Settings for Oracle Internet Directory through 11g Oracle Enterprise Manager Fusion Middleware Control and select audit Custom events with Failures Only, no audit logs are generated and the audit process for failure events fails. Subsequently, other audit events are not logged later, even if the Audit Policy Settings are changed to a different value such as Low, Medium, or High.

To make auditing function again through Enterprise Manager, select a default policy or a policy with custom events other than All Failures and then recycle the Oracle Internet Directory server processes.

Alternatively, you can set custom audit policies using LDAP command-line tools such as `ldapmodify`. For more information, see Section 23.4, "Managing Auditing from the

Command Line" in the *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory*.

23.1.4 Deleting Mandatory `attributeTypes` Referenced by `objectClass` is Successful

If you delete a mandatory `attributeTypes` under the Oracle Internet Directory schema that is referenced by an `objectClass` in the schema, no error is returned and the `attributeTypes` is deleted successfully.

This problem also occurs for a DN entry created using the `objectClass` that uses the mandatory `attributeTypes`. The mandatory attribute is missing from the DN entry without any notice when it is deleted from the schema.

23.1.5 Oracle Unified Directory 11.1.2.0 `orclguid` Attribute is Not Mapped for Server Chaining

If you configure Oracle Internet Directory server chaining for Oracle Unified Directory 11.1.2.0 and then search for users, the `orclguid` attribute is missing from the search results.

The `orclguid` attribute is missing because Oracle Unified Directory uses the `iplanet` default mapping (`cn=oidsciplanet,cn=oid server chaining,cn=subconfigsubentry`), and the default `iplanet` mapping does not have `orclguid` mapped.

23.1.6 ODSM is Not Displaying Online Help Correctly in Internet Explorer 11

In Internet Explorer 11, the Oracle Directory Services Manager (ODSM) online Help does not display properly. Instead of showing the left pane with the navigation tree and the right pane with the Help contents, ODSM displays only links.

23.1.7 ODSM Browser Window Becomes Unusable

Under certain circumstances, after you launch ODSM from Fusion Middleware Control, then select a new ODSM task, the browser window might become unusable. For example, the window might refresh repeatedly, appear as a blank page, fail to accept user input, or display a null pointer error.

As a workaround, go to the URL: `http://host:port/odsm`, where *host* and *port* specify the location where ODSM is running, for example, `http://myserver.example.com:7005/odsm`. You can then use the ODSM window to log in to a server.

23.1.8 In `ldapdelete` Command `-v` Should Be The Last Parameter

For certain platforms command `ldapdelete` considers everything after `-v`, as parameter. A typical `ldapdelete` command looks like this:

```
ldapdelete -h hostname -p portname -v 's' -D cn=orcladmin -w welcome1
```

For Linux x86-64 and Microsoft Windows x64 the command mentioned here works fine. However, for Solaris Operating System (SPARC 64-Bit), AIX Based Systems (64-Bit), HP-UX PA-RISC (64-Bit), HP-UX Itanium platforms the above command fails.

Workaround

Use the flag `-v` as the last parameter when running the `ldapdelete` command. For example:

```
ldapdelete -h hostname -p portname -D cn=orcladmin -w welcome1 -v 's'
```

23.1.9 Bulkmodify Might Generate Errors

If Oracle Internet Directory is using Oracle Database 11g Release 1 (11.1.0.7.0), you might see `ORA-600` errors while performing `bulkmodify` operations. To correct this problem, apply the fixes for Bug 7019313 and Bug 7614692 to the Oracle Database.

23.1.10 Turkish Dotted I Character is Not Handled Correctly

Due to a bug, Oracle Internet Directory cannot handle the upper-case dotted I character in the Turkish character set correctly. This can cause problems in Oracle Directory Services Manager and in command-line utilities.

23.1.11 OIDCMPREC Might Modify Operational Attributes

By default, the `oidcmprec` tool excludes operational attributes during comparison. That is, `oidcmprec` does not compare the operational attributes values in source and destination directory entries. During reconciliation of user defined attributes however, operational attributes might be changed.

23.1.12 OIDREALM Does Not Support Realm Removal

The `oidrealm` tool supports creation, but not deletion, of a realm. A procedure for deleting a realm is provided in Note 604884.1, which is available on My Oracle Support at <https://support.oracle.com/>.

23.1.13 Apply Patch to Oracle Database 11.2.0.1.0 to Fix Purge Job Problem

If you use Oracle Database 11.2.0.1.0 with Oracle Internet Directory, apply Patch 9952216 (11.2.0.1.3 PSU) to the Oracle Database after you install Oracle Internet Directory:

Without the patch, a purge jobs operation does not function properly, and these symptoms can occur:

- Oracle Internet Directory change logs do not get purged, and the purge log shows `ORA-23421` errors.
- Executing change log purge jobs with `orclpurgenow` set to 1 hangs.

23.1.14 SQL of OPSS ldapsearch Might Take High %CPU

The SQL of an OPSS one level `ldapsearch` operation, with filter `"orcljaznprincipal=value"` and required attributes, might take unreasonably high %DB CPU. If this search performance impacts the overall performance of the machine and other processes, you can alleviate the issue by performing the following steps in the Oracle Database:

1. Log in to the Oracle Database as user `ODS` and execute the following SQL:

```
BEGIN
DBMS_STATS.GATHER_TABLE_STATS(OWNNAME=>'ODS',
                                TABNAME=>'CT_ORCLJAZNPRINCIPAL',
                                ESTIMATE_PERCENT=>DBMS_STATS.AUTO_SAMPLE_SIZE,
```



```

                                CASCADE=>TRUE) ;
END;
/

```

2. Flush the shared pool by using the ALTER SYSTEM statement, as described in the *Oracle Database SQL Language Reference*.

23.1.15 If you Start the Replication Server by Using the Command Line, Stop it Using the Command Line

If you start the replication server by using the command line, stop it by using the command line. If you attempt to stop it by using Oracle Enterprise Manager Fusion Middleware Control, the attempt fails.

See Also: Note 1313395.1 on My Oracle Support (formerly MetaLink): <https://support.oracle.com>

23.1.16 ODSM Problems in Internet Explorer 7

The ODSM interface might not appear as described in Internet Explorer 7.

For example, the **Logout** link might not be displayed.

If this causes problems, upgrade to Internet Explorer 8 or 9 or use a different browser.

23.2 Configuration Issues and Workarounds

This section describes configuration issues and workarounds. It includes the following topic:

- [Section 23.2.1, "Re-Create Wallet After Moving Oracle Internet Directory from Test to Production"](#)

23.2.1 Re-Create Wallet After Moving Oracle Internet Directory from Test to Production

If you configure Oracle Internet Directory to use SSL in server authentication mode or mutual authentication mode on your test machine, and then move Oracle Internet Directory to a production machine, re-create the Oracle Internet Directory wallet on the production machine.

The old wallet contains the host name of the original machine as the DN in the certificate. This host name in the DN is not changed during the test to production move. Re-create the wallet on the production machine to avoid SSL communication issues.

23.3 Documentation Errata

This section describes documentation errata. It includes the following topics:

- [Section 23.3.1, "Description of the orclrevpwd Attribute Needs Clarification"](#)
- [Section 23.3.2, "LDAP Commands Do Not Support the -k|-K Option"](#)
- [Section 23.3.3, "Description of the orclOIDSCExtGroupContainer Attribute Needs Clarification"](#)
- [Section 23.3.4, "Setting Up LDAP Replication Needs Clarification"](#)
- [Section 23.3.5, "Password Expired Response Control is Not Documented"](#)

- Section 23.3.6, "Configuring the SSO Server for ODSM Integration Needs Clarification"
- Section 23.3.7, "Determining Expired Users in Oracle Internet Directory"
- Section 23.3.8, "New Superuser Account Must be Direct Member of DirectoryAdminGroup Group"
- Section 23.3.9, "SSL Authentication Mode 1 and Anonymous SSL Ciphers Need Clarification"
- Section 23.3.10, "Documentation of Replication Server Control and Failover is Incomplete"
- Section 23.3.11, "Server Restart After Adding an Encrypted Attribute is Not Documented"
- Section 23.3.12, "PASSWORD_VERIFY_FUNCTION Must be Set to NULL to Work with RCU is Not Documented"
- Section 23.3.13, "Setting Up Oracle Internet Directory SSL Mutual Authentication"
- Section 23.3.14, "Replication Instructions in Tutorial for Identity Management are Incomplete"

23.3.1 Description of the `orclrevpwd` Attribute Needs Clarification

In the *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory*, the description of the `orclrevpwd` attribute in the "Managing Password Verifiers " chapter needs clarification. The "Introduction to Password Verifiers for Authenticating to the Directory" section should include the following information.

Oracle Internet Directory stores the user password in a reversible encrypted format in the `orclrevpwd` configuration attribute. The `orclrevpwd` attribute is generated only if the `orclpwdencryptionenable` attribute in the password policy entry is set to 1.

The `orclrevpwd` attribute is maintained securely within Oracle Internet Directory server and cannot be queried, even if you modify the attribute's access control policies (ACIs). Oracle Directory Integration Platform, however, is allowed to query the `orclrevpwd` attribute so that password synchronization can function.

23.3.2 LDAP Commands Do Not Support the `-k` | `-K` Option

In the *Oracle Fusion Middleware Reference for Oracle Identity Management*, Chapter 3, "Oracle Internet Directory Data Management Tools," documents the `-k` | `-K` option for LDAP commands. However, this option is not valid for the LDAP commands and should not be used.

23.3.3 Description of the `orc10IDSCExtGroupContainer` Attribute Needs Clarification

In the *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory*, the description of the `orc10IDSCExtGroupContainer` attribute in the "Configuring Server Chaining" chapter needs clarification.

The description states that this attribute "is optional if the external user container and the external group container are the same." However, the attribute is required, and the description should include the following information:

If the external user container and the external group container are the same (that is, groups in the external directory server are stored in the same container as the users),

the value for the `orclOIDSCEExtGroupContainer` attribute must be the same as the value used for the user container (`orclOIDSCEExtUserContainer` attribute).

23.3.4 Setting Up LDAP Replication Needs Clarification

The *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory*, Chapter 40, "Setting Up Replication," does not document the following requirements.

To setup replication for a directory that has more than 100,000 entries, you must use the command-line tools (`ldifwrite` and `bulkload`). Use the Replication Wizard in Oracle Enterprise Manager Fusion Middleware Control (automatic bootstrapping method) only for a directory that has fewer than 100,000 entries.

If you have a deployment with a combination of Oracle Internet Directory 10g nodes and 11gR1 nodes, replication from the 10g node to an 11gR1 node must be setup before replication between the 11gR1 nodes is setup. For example, consider a deployment as follows:

- Two Oracle Internet Directory 10g nodes with a supplier node and consumer node
- Two new Oracle Internet Directory 11gR1 nodes (nodes 1 and 2) with LDAP multimaster replication

To setup replication for this deployment:

1. Setup LDAP one-way replication from one of the 10g nodes to 11gR1 node 1.
2. Setup replication bootstrap (if fewer than 100,000 entries) and then start the replication server on the 11gR1 node 1. (If the directory has more than 100,000 entries, use the command-line tools.)
3. When the replication is complete, setup LDAP multimaster replication between 11gR1 node 1 and node 2.
4. Setup the replication bootstrap (if fewer than 100,000 entries) on 11gR1 node 2 and then start the replication server.

23.3.5 Password Expired Response Control is Not Documented

Both the *Oracle Fusion Middleware Reference for Oracle Identity Management* and the *Oracle Fusion Middleware Application Developer's Guide for Oracle Identity Management* do not document the Oracle Internet Directory password expired response control:

- **Object Identifier:** 2.16.840.1.113894.1.8.20
- **Name:** OID_PWDEXPIRED_CONTROL
- **Description:** Password policy control. The response control that the server sends when the password has expired, there are no grace logins remaining, and the client sends a request control.

23.3.6 Configuring the SSO Server for ODSM Integration Needs Clarification

In the *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory*, Section 7.4.3, "Configuring the SSO Server for ODSM Integration," does not document that to improve performance for SSO-ODSM integration, you should configure the ODSM URLs as follows:

- Protected: `/odsm/odsm-ss0.jsp`
- Unprotected: `/odsm/faces/odsm.jspx`
- Excluded: `/odsm/.../`

Setting the CSS, JavaScript, and graphics (/odsm/.../) files to excluded prevents these files from being validated by Oracle Access Manager, which can improve the performance of your deployment.

23.3.7 Determining Expired Users in Oracle Internet Directory

The *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory* does not fully explain the concept of expired users and how to determine if a user is in the expired state.

In some situations, you might want to determine expired users and then take a specific action, such as deleting those users from the directory.

Note: Oracle Internet Directory expired users are not indicated by a specific attribute. An expired user is in a transient state that depends on the system time, the maximum inactive time allowed, and the user's last successful login time. The expired state is determined during a bind or password compare operation for the user.

To determine the expired users, your Oracle Internet Directory deployment must be configured as follows:

- The tracking of each user's last successful login time must be enabled by setting the `orclPwTrackLogin` attribute to 1.
- The `orclpwdmaxinactivitytime` attribute must be set to a value other than 0 (the default). This attribute specifies the inactive time in seconds before a user's account is automatically considered to be expired.

To determine if a user's account is considered to be expired:

1. Determine the time stamp of the user's last successful login from the `orcllastlogintime` attribute.
2. Subtract the user's `orcllastlogintime` value from the current system time. If the result is greater than the `orclpwdmaxinactivitytime` value, then the user is considered to be in the expired state.
3. If you wish, delete the expired user from the directory.

For more information, see the "Managing Password Policies" chapter in the *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory*.

23.3.8 New Superuser Account Must be Direct Member of `DirectoryAdminGroup` Group

In the *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory*, Section 12.6, "Creating Another Account With Superuser Privileges," does not mention that a new superuser account must be a direct member of the `DirectoryAdminGroup` group to use all Oracle Directory Services Manager (ODSM) features.

To use all ODSM features including the Security and Advanced tabs, a new superuser account must be a direct member of the `DirectoryAdminGroup` group. The new superuser account cannot be a member of a group that is in turn a member of the `DirectoryAdminGroup` group. In this configuration, the superuser would be able to access only the ODSM Home, Schema, and Data Browser tabs.

23.3.9 SSL Authentication Mode 1 and Anonymous SSL Ciphers Need Clarification

In the *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory*, the first bullet of the note in Section 27.1.3, "SSL Authentication Modes," mentions that you must have at least one Oracle Internet Directory server instance configured for the default authentication mode and anonymous SSL ciphers. This statement is true only for specific deployments.

The first bullet of the note should be revised as follows:

- By default, the SSL authentication mode is set to 1 (encryption only, no authentication).

If you are using Oracle Delegated Administration Services 10g or other client applications such as legacy versions of Oracle Forms and Oracle Reports that expect to communicate with Oracle Internet Directory on an encrypted SSL port configured for anonymous SSL ciphers, then at least one Oracle Internet Directory server instance must be configured for this default authentication mode.

Otherwise, authentication mode 1 and anonymous SSL ciphers are not required for Oracle Internet Directory to function. The type of SSL ports that are made available and the ciphers that the SSL port will accept depend on your specific deployment requirements.

23.3.10 Documentation of Replication Server Control and Failover is Incomplete

The *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory* does not fully describe the replication server (oidrepld) process control and failover in an Oracle Maximum Availability Architecture (MAA), including how to enable failover by setting the `orclfailoverenabled` attribute.

The `orclfailoverenabled` attribute is an OID Monitor configuration entry ("cn=configset,cn=oidmon,cn=subconfigsubentry") that configures failover.

This attribute specifies the failover time in minutes before the OID Monitor will start failed processes on a surviving node. The default failover time is 5 minutes. A value of zero (0) disables failover for Oracle Internet Directory processes.

Additional information is provided in Note 1538250.1, which is available on My Oracle Support at:

<https://support.oracle.com/>

See Also: The "Understanding Process Control of Oracle Internet Directory Components" chapter in the *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory*.

23.3.11 Server Restart After Adding an Encrypted Attribute is Not Documented

The *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory* does not document that if you add an encrypted attribute to the list of sensitive attributes, you must restart the Oracle Internet Directory server instance for the new attribute to be added to the new list of sensitive attributes and recognized by the server.

Note: The attributes in Table 28-1 "Sensitive Attributes Stored in `orclencryptedattributes`" in the *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory* are intended for use only by Oracle. Do not add to or modify the attributes shown in this table unless you are requested to do so by Oracle Support.

For more information, see the "Configuring Data Privacy" chapter in the *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory*.

23.3.12 PASSWORD_VERIFY_FUNCTION Must be Set to NULL to Work with RCU is Not Documented

The *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory* does not document that for Oracle Internet Directory to work with the Repository Creation Utility (RCU) for Oracle database version 11.2.x, the default PASSWORD_VERIFY_FUNCTION clause in the database must be set to NULL (which is the default value).

23.3.13 Setting Up Oracle Internet Directory SSL Mutual Authentication

Neither the *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory* nor the *Oracle Fusion Middleware Administrator's Guide* describes how to set up Oracle Internet Directory SSL Client and Server Authentication. This information is provided in Note 1311791.1, which is available on My Oracle Support at:

<https://support.oracle.com/>

23.3.14 Replication Instructions in Tutorial for Identity Management are Incomplete

In the *Tutorial for Identity Management*, which is linked from *Getting Started with Oracle Identity Management*, Chapter 3, "Setting up Oracle Internet Directory Replication," is missing important information.

Specifically, the instructions do not work unless the new consumer node is empty.

For more information, see Section 40.1.7, "Rules for Configuring LDAP-Based Replication," in the *Oracle Fusion Middleware Administrator's Guide for Oracle Internet Directory*.

Oracle Platform Security Services

This chapter describes notes on topics associated with Oracle Platform Security Services (OPSS), in the following sections:

- [Section 24.1, "Configuration Issues and Workarounds"](#)
- [Section 24.2, "Documentation Errata"](#)

The following documents are relevant to topics included in this chapter:

- *Oracle Fusion Middleware Security Guide*
- *Oracle Fusion Middleware Administrator's Guide*
- *Oracle Fusion Middleware Administrator's Guide for Authorization Policy Manager*

24.1 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 24.1.1, "Oracle Fusion Middleware Audit Framework"](#)
- [Section 24.1.2, "Trailing '\n' Character in Bootstrap Key"](#)
- [Section 24.1.3, "Users with Same Name in Multiple Identity Stores"](#)
- [Section 24.1.4, "Script listAppRoles Outputs Wrong Characters"](#)
- [Section 24.1.5, "Propagating Identities over the HTTP Protocol"](#)
- [Section 24.1.6, "Pool Configuration Missing in Identity Store"](#)

24.1.1 Oracle Fusion Middleware Audit Framework

This section describes configuration issues for the Oracle Fusion Middleware Audit Framework. It contains these topics:

- [Section 24.1.1.1, "Configuring Auditing for Oracle Access Manager"](#)
- [Section 24.1.1.2, "Audit Reports do not Display Translated Text in Certain Locales"](#)
- [Section 24.1.1.3, "Audit Reports Always Display in English"](#)
- [Section 24.1.1.4, "Audit Store Does not Support Reassociation through EM"](#)
- [Section 24.1.1.5, "OWSM Audit Events not Audited"](#)

24.1.1.1 Configuring Auditing for Oracle Access Manager

Although Oracle Access Manager appears as a component in Oracle Enterprise Manager Fusion Middleware Control, you cannot configure auditing for Oracle Access Manager using Fusion Middleware Control.

24.1.1.2 Audit Reports do not Display Translated Text in Certain Locales

The standard audit reports packaged with Oracle Business Intelligence Publisher support a number of languages for administrators. Oracle Business Intelligence Publisher can start in different locales; at start-up, the administrator can specify the language of choice by setting the preferred locale in Preferences.

Due to this bug, if Oracle Business Intelligence Publisher is started on any of these 3 locales:

- zh_CN (simplified chinese)
- zh_TW (traditional chinese)
- pt_BR (portuguese brazilian)

then users cannot see the report in that locale (the entire report including labels, headers, titles and so on appears in English), while the other locales display the translated text as expected. For example, when Oracle Business Intelligence Publisher is started in zh_CN, the text cannot be seen in zh_CN even though the preferred locale is set to zh_CN; information is displayed in English.

This issue will be fixed in a future release of Oracle Business Intelligence Publisher.

24.1.1.3 Audit Reports Always Display in English

The standard audit reports packaged with Oracle Business Intelligence Publisher support a number of languages.

Due to this bug, report titles and descriptions are displayed in English even when they have been translated.

This issue will be fixed in a future release of Oracle Business Intelligence Publisher.

24.1.1.4 Audit Store Does not Support Reassociation through EM

In Release 11gR1 (11.1.1.6.0), if you reassociated security stores through the Fusion Middleware Control Enterprise Manager (EM) console, most stores (policy store, credential store and so on) moved except for the audit store. This is because the audit store did not support reassociation through the console, only through the WLST command `reassociateSecurityStore`.

In a situation where the original migration from Release 11gR1 (11.1.1.6.0) to Release 11gR1 (11.1.1.7.0) was done through EM, this leaves the audit repository as file-based. You can use the following workaround to move all security store data to LDAP/DB in order to enable audit:

In the PS5 environment, run WLST command `reassociateSecurityStore` with a different `jpsroot` node. This effects an OID-to-OID directory reassociation and any existing data also gets migrated to the new node. After you take this action, audit data will no longer be file based and `jps-config` will have the new node.

24.1.1.5 OWSM Audit Events not Audited

In Release 11.1.1.7, due to a bug, audit events are not logged for Web Services Manager (OWSM) after auditing is configured for the component.

To resolve this issue, proceed as follows:

1. Register the OWSM components AGENT, PM-EJB with the audit service using the `registerAudit` WLST command:

```
a. registerAudit(xmlFile="$ORACLE_COMMON/modules/oracle.iau_
11.1.1/components/OWSM-AGENT/component_events.xml",
componentType="AGENT")
```

```
b. registerAudit(xmlFile="$ORACLE_COMMON/modules/oracle.iau_
11.1.1/components/OWSM-PM-EJB/component_events.xml",
componentType="PM-EJB")
```

2. Get the list of components using the `listAuditComponents` WLST command; for example, this command writes the list of components to a file named `complist.txt`:

```
listAuditComponents(fileName = "/tmp/complist.txt")
```

3. For each component in the list, execute the WLST command `setAuditPolicy` as follows:

```
setAuditPolicy(componentType="<component name from complist.txt>",
filterPreset="None")
```

For details about syntax and usage of these commands, see *Oracle Fusion Middleware Application Security Guide*, part number E10043-11, Appendix C Oracle Fusion Middleware Audit Framework Reference.

24.1.2 Trailing '\n' Character in Bootstrap Key

In 11gR1, the process that reassociates XML to LDAP stores creates a bootstrap key with the trailing new line character '\n', or its equivalent code '
'. This key value is written in the file `jps-config.xml` and stored in the wallet. In both places, the key value contains the trailing character '\n'.

When reusing that same wallet in 11gR1 PS1, upon retrieving the bootstrap key, the system trims out the trailing '\n' character; but the key value in the wallet, however, still contains the trailing character, a situation that leads to errors since the requested and stored key values no longer match.

To resolve this issue, proceed as follows:

1. Use the WLST command `modifyBootStrapCredential` to reprovision wallet credentials without trailing '\n'. For details on the command usage, see section 9.5.2.5 in the *Oracle Fusion Middleware Security Guide*.
2. Manually edit the file `jps-config.xml` and remove the trailing characters '
' from any bootstrap key.

This problem arises only in the scenario above, namely, when an 11gR1 wallet is reused in 11gR1 PS1; in particular, when reassociating in an 11gR1 PS1 environment, the above trailing character is not an issue.

24.1.3 Users with Same Name in Multiple Identity Stores

If a user name is present in more than one LDAP repositories and the property `virtualize` is set to use `LibOVD`, then the data in only one of those repositories is returned by the User and Role API when that name is queried.

24.1.4 Script listAppRoles Outputs Wrong Characters

On Linux and Windows platforms, when the locale is set to non-UTF8 locales, such as `fr_FR_iso88591`, the OPSS script `listAppRoles` may wrongly output the character '?' instead of the expected character.

24.1.5 Propagating Identities over the HTTP Protocol

This section includes the following additions, corrections, and new information in the following sections:

- [Addition to Section Propagating Identities over the HTTP Protocol](#)
- [Correction to Section Client Application Code Sample](#)
- [Correction to Section Keystore Service Configuration](#)
- [Updating the Trust Service Configuration Parameters](#)

24.1.5.1 Addition to Section Propagating Identities over the HTTP Protocol

The following new information belongs in section 19.3.1.2:

The out of box configuration assumes that the token issuer name and the key alias is based on the WebLogic server name. Note that the key alias server name on WebSphere is set based on the WebSphere server root. For example, if the server root is `$T_WORK/middleware/was_profiles/DefaultTopology/was_as/JrfServer` then the server name is set to `JrfServer`. To change the default value, use the procedures explained in section 19.3.12.

24.1.5.2 Correction to Section Client Application Code Sample

The following sample illustrates a client application; note that the file `jps-api.jar` and OSDT jars `osdt_ws_sx.jar`, `osdt_core.jar`, `osdt_xmlsec.jar`, `osdt_saml2.jar` must be included the class path for the code sample to compile.

24.1.5.3 Correction to Section Keystore Service Configuration

Assuming that the WebLogic server name is `jrfServer_admin`, the following command illustrates the creation of the keystore, represented by the generated file `default-keystore.jks`.

24.1.5.4 Updating the Trust Service Configuration Parameters

The information in this section is new and it explains how to modify the trust service configuration parameters in the file `jps-config.xml` with a script.

Out-of-the-box the values of the parameters `trust.aliasName` and `trust.issuerName` are set to the WebLogic server name. To modify their values to deployment-specific values, use a script like the following:

```
import sys

wlsAdmin = 'weblogic'
wlsPwd = 'password_value'
wlUrl='t3://localhost:7001'
issuer= 'issuer'
alias = 'alias'

print "OPSS Trust Service provider configuration management script.\n"

instance = 'trust.provider'
```

```

name = 'trust.provider.embedded'
cfgProps = HashMap()
cfgProps.put("trust.issuerName", issuer)
cfgProps.put("trust.aliasName", alias)
pm = PortableMap(cfgProps);

connect(wlsAdmin, wlsPwd, wUrl)
domainRuntime()

params = [instance, name, pm.toCompositeData(None)]
sign = ["java.lang.String", "java.lang.String",
"javax.management.openmbean.CompositeData"]
on = ObjectName("com.oracle.jps:type=JpsConfig")
mbs.invoke(on, "updateTrustServiceConfig", params, sign)
mbs.invoke(on, "persist", None, None)

print "Done.\n"

```

24.1.6 Pool Configuration Missing in Identity Store

On the WebSphere Application Server, the out-of-the-box configuration file `jps-config.xml` is missing an entry for a property of the identity store. When the identity store, added at post-installation, is an LDAP-based identity store, the following property must be manually inserted in the `jps-config.xml` file within the identity store service instance element:

```

<property name="CONNECTION_POOL_CLASS"
          value="oracle.security.idm.providers.stddldap.JNDIPool"/>

```

To work around this issue, proceed as follows:

1. Shut down the server.
2. Open the file `was_profile_dir/config/cells/cell_name/fmwconfig/jps-config.xml` for edit, where *was_profile_dir* and *cell_name* stand for the profile directory name and cell name on your system.
3. Insert the missing property `CONNECTION_POOL_CLASS` into the configuration of the identity store service instance.
4. Save the file and restart the server.

24.2 Documentation Errata

This section contains corrections to documentation errors. It includes the topic:

- [Section 24.2.1, "Updated Configuration for Role Category"](#)
- [Section 24.2.2, "Correct setAuditRepository Command Reference Example"](#)
- [Section 24.2.3, "Demo CA Certificate not for Production Use"](#)
- [Section 24.2.4, "Incorrect Link to ILM Content"](#)
- [Section 24.2.5, "Incorrect Table Title in Appendix C"](#)
- [Section 24.2.6, "Clarification of Note in Appendix C"](#)
- [Section 24.2.7, "Notes Regarding Need for Server Restarts"](#)

24.2.1 Updated Configuration for Role Category

This note contains the correct configuration of a role category as described in Section 2.8 "The Role Category" in the *Oracle Fusion Middleware Application Security Guide*, part number E10043-10.

The configuration of the element `<role-category>` in the `jazn-data.xml` illustrated in section 2.8 should be replaced with the following:

```
<app-roles>
  <app-role>
    <name>AppRole_READONLY</name>
    <display-name>display name</display-name>
    <description>description</description>
    <class>oracle.security.jps.service.policystore.ApplicationRole</class>
    <extended-attributes>
      <attribute>
        <name>ROLE_CATEGORY</name>
        <values>
          <value>RC_READONLY</value>
        </values>
      </attribute>
    </extended-attributes>
  </app-role>
</app-roles>
<role-categories>
  <role-category>
    <name>RC_READONLY</name>
    <display-name>RC_READONLY display name</display-name>
    <description>RC_READONLY description</description>
  </role-category>
</role-categories>
```

The important point about this correction is the following:

- The members of a role category are *not* configured within the `<role-category>` element but within the element `<extended-attributes>` of the corresponding application role.

24.2.2 Correct setAuditRepository Command Reference Example

This note corrects a typo in Section C.4.5 "setAuditRepository" in the *Oracle Fusion Middleware Application Security Guide*, part number E10043-11.

In the example line:

```
setAuditRepository(switchToDB='true',dataSourceName='jdbcAuditDB',interval='14')
```

change 'jdbcAuditDB' to read 'jdbc/AuditDB'.

24.2.3 Demo CA Certificate not for Production Use

In the *Oracle Fusion Middleware Application Security Guide*, Part Number E10043-11, 11.1.3 Domain Trust Store, insert the following caution note at the top of the section:

Caution: The Demo CA has a well known hard-coded private key, Care should be taken not to trust the certificates signed by the Demo CA. As such, the Demo CA certificate in the trust store should not be used in production. It should be removed from the domain trust store in production.

24.2.4 Incorrect Link to ILM Content

In the *Oracle Fusion Middleware Application Security Guide*, part number E10043-12, in the chapter Configuring and Managing Auditing, section titled "Tiered Archival" contains an incorrect link for Oracle Information Lifecycle Management (ILM).

Change the link to read:

<http://www.oracle.com/technetwork/database/enterprise-edition/index-090321.html>

24.2.5 Incorrect Table Title in Appendix C

In the *Oracle Fusion Middleware Application Security Guide*, part number E10043-11, in Appendix C Oracle Fusion Middleware Audit Framework Reference, Table C-4 is incorrectly titled. The correct title should be "Oracle Internet Directory Events."

24.2.6 Clarification of Note in Appendix C

In the *Oracle Fusion Middleware Application Security Guide*, part number E10043-11, in Appendix C Oracle Fusion Middleware Audit Framework Reference, the note at the beginning of section 12.3.3 is incomplete. The note should read:

Note: The metadata store is separate from the audit data store which contains the actual audit data.

24.2.7 Notes Regarding Need for Server Restarts

In the *Oracle Fusion Middleware Application Security Guide*, part number E10043-11, Chapter 13 Configuring and Managing Auditing refers to the need to restart the server after audit policy changes. These references are in the following sections:

- Section 13.3 Managing Audit Policies, under the heading 'How Policies are Configured,', second sentence.
- Section 13.3.1 Manage Audit Policies for Java Components with Fusion Middleware Control, second bulleted note under Notes.
- Section 13.3.2 Manage Audit Policies for System Components with Fusion Middleware Control, second bulleted note under Notes.

However, a restart is not necessary; the changes take effect on the managed server after a few minutes.

SSL Configuration in Oracle Fusion Middleware

This chapter describes issues associated with SSL configuration in Oracle Fusion Middleware. It includes the following topic:

- [Section 25.1, "General Issues and Workarounds"](#)

25.1 General Issues and Workarounds

This section describes general issues and workarounds. It includes the following topic:

- [Section 25.1.1, "Incorrect Message or Error when Importing a Wallet"](#)

25.1.1 Incorrect Message or Error when Importing a Wallet

Problem 1

Fusion Middleware Control displays an incorrect message when you specify an invalid wallet password while attempting to import a wallet. The issued message "Cannot create p12 without password." is incorrect. Instead, it should notify the user that the password is incorrect and request a valid password.

Problem 2

Fusion Middleware Control displays an incorrect message when you attempt to import a password-protected wallet as an autologin wallet. The issued message "Cannot create p12 without password." does not provide complete information. Instead, it should notify the user that importing a password-protected wallet requires a password.

Problem 3

If you attempt to import an autologin wallet as a password-protected wallet using either Fusion Middleware Control or WLST, a `NullPointerException` error is displayed.

Oracle Directory Integration Platform

This chapter describes issues associated with Oracle Directory Integration Platform. It includes the following topics:

- [Section 26.1, "General Issues and Workarounds"](#)
- [Section 26.2, "Configuration Issues and Workarounds"](#)
- [Section 26.3, "Documentation Errata"](#)

26.1 General Issues and Workarounds

This section describes general issues and workarounds. It includes the following topics:

- [Enabling the Domain-Wide Administration Port on Oracle WebLogic Server Prevents use of the DIP Command Line Interface](#)
- [The AttrMapping Rule dnconvert\(\) function is not Working During Directory Synchronization](#)
- [The Oracle Password Filter for Microsoft Active Directory is not Certified for use With Oracle Unified Directory or Oracle Directory Server Enterprise Edition](#)
- [LDIF Files That Contain Non-ASCII Characters Will Cause the testProfile Command Option to Fail if the LDIF File has Native Encoding](#)
- [Some Changes May Not Get Synchronized Due to Race Condition in Heavily-Loaded Source Directory](#)
- [Synchronization Continues After Stopping Oracle Directory Integration Platform](#)

26.1.1 Enabling the Domain-Wide Administration Port on Oracle WebLogic Server Prevents use of the DIP Command Line Interface

Be aware that enabling the domain-wide administration port on any WebLogic server running Directory Integration Platform will prevent you from using the DIP command line interface using a standard administrator account. Entering DIP commands will result in an error similar to the following:

```
User: "weblogic", failed to be authenticated
```

Administrators can still use the Enterprise Manager (EM) GUI to configure and manage Oracle Directory Integration Platform.

26.1.2 The AttrMapping Rule dnconvert() function is not Working During Directory Synchronization

During directory synchronization, the AttrMapping Rule dnconvert() function does not properly apply the attribute mapping rule. The dnconvert() function is supposed to take a dnvalue as its only argument and transform the value based on the domain mapping rule. Instead, no transformation is taking place.

For example:

```
DomainRules
cn=users,dc=ADdomain,dc=com:cn=users,dc=OIDdomain,dc=com:cn=%,dc=OIDdomain,c=com

###
AttributeRules
# attribute rule common to all objects
objectguid:
:binary:top:orclobjectguid:string:orclADObject:bin2b64(objectguid)
ObjectSID: :binary:user:orclObjectSID:string:orclADObject:bin2b64(ObjectSID)
distinguishedName: :top:orclSourceObjectDN: :orclADObject:
samaccountname:::user:cn::person:
manager:::organizationalperson:manager:::inetorgperson:dnconvert(manager)
```

In this example, the new entry from Active Directory to Oracle Internet Directory does not pull the samAccountName value but rather the DN value for the manager.

26.1.3 The Oracle Password Filter for Microsoft Active Directory is not Certified for use With Oracle Unified Directory or Oracle Directory Server Enterprise Edition

To use the Oracle Password Filter for Microsoft Active Directory, your Oracle back-end directory must be Oracle Internet Directory. The Oracle Unified Directory back-end directory and the Oracle Directory Server Enterprise Edition back-end directory do not support integration with the Oracle Password Filter for Microsoft Active Directory.

26.1.4 LDIF Files That Contain Non-ASCII Characters Will Cause the testProfile Command Option to Fail if the LDIF File has Native Encoding

When running DIP Tester from a command-line, the manageSyncProfiles testProfile command will fail if the -ldiff file option is specified and the LDIF file contains non-ASCII characters.

Note that LDIF files with UTF-8 encoding are not impacted by this limitation. If an LDIF file containing multibyte characters cannot be saved with UTF-8 encoding, then use the following workaround:

1. From a command-line, add the entry using the ldapadd command and include the -E option to specify the locale. See the *Oracle Fusion Middleware User Reference for Oracle Identity Management* for the required command syntax.
2. Get the specific changeNumber for the last add operation.
3. Execute the testProfile command using the changeNumber from the previous step.

For more information, see "Section 7.1.5.2, Running DIP Tester From the WLST Command-Line Interface" in the *Administrator's Guide for Oracle Directory Integration Platform*.

26.1.5 Some Changes May Not Get Synchronized Due to Race Condition in Heavily-Loaded Source Directory

If the source directory is heavily-loaded, a race condition may occur where database commits cannot keep pace with updates to the lastchangenumber. If this race condition occurs, Oracle Directory Integration Platform may not be able to synchronize some of the changes.

To work around this issue, perform the following steps to enable database commits to keep pace with the lastchangenumber:

1. Increase the value of the synchronization profile's Scheduling Interval.
2. Control the number of times the search is performed on the source directory during a synchronization cycle by setting the `searchDeltaSize` parameter in the profile. Oracle suggests starting with a value of 10, then adjusting the value as needed.

26.1.6 Synchronization Continues After Stopping Oracle Directory Integration Platform

If you stop the Oracle Directory Integration Platform application during synchronization, the synchronization process that the Quartz scheduler started will continue to run.

To work around this issue, restart the Oracle WebLogic Managed Server hosting Oracle Directory Integration Platform or redeploy the Oracle Directory Integration Platform application.

26.2 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Update the Mapping Rule for Novell eDirectory](#)
- [Do not use localhost as Oracle Internet Directory Hostname When Configuring Oracle Directory Integration Platform](#)
- [You may Need to Restart the Directory Integration Platform After Running dipConfigurator Against Oracle Unified Directory](#)
- [When Configuring a Profile, you may Need to Scroll Past a Section of Whitespace to View Mapping Rules](#)
- [Resource Usage Charts will not Display if Multiple IDM Domains are Running on the Same Host](#)

26.2.1 Update the Mapping Rule for Novell eDirectory

If Directory Integration Platform is integrated with Novell eDirectory, or if you plan to integrate with Novell eDirectory later, edit the mapping rules in the `eDir` profile, otherwise the installation program will return this error message:

```
Map rules "orclodipattributemappingrules" have the following errors:
Attribute rule "0" has error: Invalid destination attribute's type: Expecting
'binary'; found 'string'.
```

If you have not yet integrated with Novell eDirectory, update the mapping file in the default template before registering a new profile.

Note: Refer to the "Updating Mapping Rules" section in the *Administrator's Guide for Oracle Directory Integration Platform* for information about how to modify an entry in a mapping rule file.

1. Update the mapping rules in the existing profile or new profile for the following entry:

```
guid:1:binary:top:orclndsobjectguid:string:orclndsobject:bin2b64 (guid)
```

Replace it with this mapping:

```
guid:1:binary:top:orclndsobjectguid:binary:orclndsobject:bin2b64 (guid)
```

2. Save your changes.

26.2.2 Do not use localhost as Oracle Internet Directory Hostname When Configuring Oracle Directory Integration Platform

When configuring Oracle Directory Integration Platform against an existing Oracle Internet Directory—using either the installer's Install and Configure installation option or the Oracle Identity Management 11g Release 1 (11.1.1) Configuration Wizard—you must specify the hostname for Oracle Internet Directory using only its fully qualified domain name (such as `myhost.example.com`). *Do not* use `localhost` as the Oracle Internet Directory hostname even if Oracle Directory Integration Platform and Oracle Internet Directory are collocated on the same host.

If you use `localhost` as the Oracle Internet Directory hostname, you will not be able to start the Oracle WebLogic Managed Server hosting Oracle Directory Integration Platform.

26.2.3 You may Need to Restart the Directory Integration Platform After Running dipConfigurator Against Oracle Unified Directory

After running `dipConfigurator` against an Oracle Unified Directory (OUD) endpoint, if you are unable to open the Directory Integration Platform (DIP) UI in Enterprise Manger, stop and start DIP to fix the UI problem.

26.2.4 When Configuring a Profile, you may Need to Scroll Past a Section of Whitespace to View Mapping Rules

If you are using Internet Explorer to view the Directory Integration Platform (DIP) UI, you may need to scroll past a large blank space to see the profile mapping rules section. This issue is not known to affect other browsers.

26.2.5 Resource Usage Charts will not Display if Multiple IDM Domains are Running on the Same Host

If two IDM domains on the same host share the same Oracle home and are both configured to use `wls_ods1` managed servers, then the DIP home page will not display the resource usage charts if both instances are running at the same time.

26.3 Documentation Errata

There are no known documentation issues at this time.

Oracle Virtual Directory

This chapter describes issues associated with Oracle Virtual Directory. It includes the following topics:

- Section 27.1, "General Issues and Workarounds"
- Section 27.2, "Configuration Issues and Workarounds"
- Section 27.3, "Documentation Errata"

27.1 General Issues and Workarounds

This section describes general issues and workarounds. It includes the following topics:

- Section 27.1.1, "Oracle Virtual Directory Fails to Start When Unsupported Ciphersuite for Listener SSL Config is Selected in Enterprise Manager"
- Section 27.1.2, "EUS Adapter Creation Failed"
- Section 27.1.3, "Manually Edit adapters.os_xml File When Creating DB Adapter For Sybase"
- Section 27.1.4, "ODSM Version Does Not Change in Enterprise Manager after Patching ODSM to 11.1.1.6.0"
- Section 27.1.5, "ODSM Bug Requires Editing of odsmSkin.css File"
- Section 27.1.6, "Oracle Directory Services Manager Browser Window is Not Usable"
- Section 27.1.7, "Exceptions May Occur in Oracle Directory Services Manager When Managing Multiple Oracle Virtual Directory Components and One is Stopped"
- Section 27.1.8, "Identifying the DN Associated with an Access Control Point in Oracle Directory Services Manager"
- Section 27.1.9, "Issues With Oracle Virtual Directory Metrics in Fusion Middleware Control"
- Section 27.1.10, "Using a Wildcard when Performing an LDAPSEARCH on a TimesTen Database Causes an Operational Error"
- Section 27.1.11, "ODSM Version 11.1.1.4.0 Does Not Support OVD Versions 11.1.1.2.0 or 11.1.1.3.0"
- Section 27.1.12, "ODSM Version 11.1.1.5.0 Does Not Support OVD Versions 11.1.1.2.0, 11.1.1.3.0, or 11.1.1.4.0"

- [Section 27.1.13, "ODSM Version 11.1.1.6.0 Does Not Support OVD Versions 11.1.1.2.0, 11.1.1.3.0, 11.1.1.4.0, or 11.1.1.5.0"](#)
- [Section 27.1.14, "Users with Non-ASCII Names Might Encounter Problems when Using ODSM with SSO"](#)
- [Section 27.1.15, "Creating an Attribute/Object Class Throws NPE Error"](#)
- [Section 27.1.16, "Patch Required to Enable Account Lockout Feature"](#)
- [Section 27.1.17, "ODSM Problems in Internet Explorer 7"](#)
- [Section 27.1.18, "Strings Related to New Enable User Account Lockout Feature on EUS Wizard Are Not Translated"](#)
- [Section 27.1.19, "All Connections Created In ODSM 11.1.1.1.0 Are Lost After Upgrading to OVD or OID Version 11.1.1.7.0"](#)
- [Section 27.1.20, "Incorrect ODSM Version Displays in Enterprise Manager Console After OVD Upgrade"](#)
- [Section 27.1.21, "Connection Issues to OVD"](#)
- [Section 27.1.22, "ODSM Version 11.1.1.70 Does Not Support OVD Versions 11.1.1.2.0, 11.1.1.3.0, 11.1.1.4.0, 11.1.1.5.0, or 11.1.1.6.0"](#)
- [Section 27.1.23, "Modify Completes When Updating a Mandatory Attribute to Null"](#)

27.1.1 Oracle Virtual Directory Fails to Start When Unsupported Ciphersuite for Listener SSL Config is Selected in Enterprise Manager

When you create an Oracle LDAP listener in Enterprise Manager, and then edit the listener's Change SSL setting by selecting **Enable SSL** for any SSL authorization, Enterprise Manager selects the ciphersuite `TLS_DHE_RSA_WITH_AES_128_CBC_SHA256`. If this ciphersuite is selected, then Oracle Virtual Directory will fail to start-up entirely.

Oracle Virtual Directory supports the following protocols:

- TLSv1
- SSLv2Hello
- SSLv3

Note: For a complete list of the supported ciphers for each protocol, refer to the following location:

<http://www.openssl.org/docs/apps/ciphers.html>

To work around this issue, manually uncheck all of the ciphers listed for Enterprise Manager when configuring the ciphersuites.

27.1.2 EUS Adapter Creation Failed

When creating an EUS adapter using the wizard in Oracle Directory Services Manager, an error message periodically displays stating the adapters and ACLs were not created successfully.

To work around this issue, proceed as follows:

- If the error occurred while you were loading ACLs, and only partial ACLs were loaded during EUS configuration, then you can manually load the remaining ACLs by running this command:


```
$ORACLE_HOME/bin/ldapmodify -c -v -h <ovd_host> -p <ovd_port> -D cn=orcladmin
-w <orcladmin_password> -f
$ORACLE_HOME/ovd/eus/eusACLTemplate.ldif
```
- If the error occurred during any other step, then manually clean up the partial configuration from Oracle Virtual Directory by using the following steps, and then reconfigure Oracle Virtual Directory for EUS.
 1. Delete all of the Local Store and LDAP EUS adapters created.
 2. Delete the LSA EUS adapter data files from the local file system.
 3. Undeploy the EUS py mapping based on your directory type (if it exists).
 4. Click the EUS wizard icon again to reconfigure.

27.1.3 Manually Edit adapters.os_xml File When Creating DB Adapter For Sybase

Creating a Database Adapter with Sybase as back-end causes Oracle Virtual Directory to fail with an Invalid Database Connection error.

To work around this issue, you can manually edit the `adapters.os_xml` file using the same Database connection information.

27.1.4 ODSM Version Does Not Change in Enterprise Manager after Patching ODSM to 11.1.1.6.0

The Oracle Directory Services Manager version shown in Enterprise Manager is the application version, which does not change when you patch Oracle Directory Services Manager.

The Oracle Lifecycle team requires all Enterprise Manager components to retain the same application version. However, because customers want to know which Oracle Directory Services Manager version they are using, Oracle Directory Services Manager maintains the actual (patch) version and Enterprise Manager maintains the application version, which causes this mismatch.

This issue is a known issue, starting with version 11.1.1.3.0.

27.1.5 ODSM Bug Requires Editing of odsmSkin.css File

Due to a misplaced comment in the file `odsmSkin.css`, some labels on the Oracle Directory Services Manager home page are not displayed correctly. Specifically, the labels in the diagram on the right are misplaced or missing.

To work around this issue, proceed as follows:

1. Stop the `wls_ods1` managed server and the WebLogic Administration server.
2. Edit the file:

```
MW_HOME/user_projects/domains/DOMAIN_HOME/servers/MANAGED_SERVER_NAME/tmp/_WL_
user/ODSM_VERSION_NUMBER/RANDOM_CHARACTERS/war/skins/odsmSkin.css
```

For example:

```
wlshome/user_projects/domains/base_domain/servers/wls_ods1/tmp/_WL_user/odsm_
11.1.1.2.0/z5xils/war/skins/odsmSkin.css
```

Before editing, the `odsmSkin.css` file looks like this:

```
@agent ie /*===== Fix for bug#7456880 =====*/
{
  af|commandImageLink::image,
  af|commandImageLink::image-hover,
  af|commandImageLink::image-depressed
  {
    vertical-align:bottom;
  }
}
```

Move the comment:

```
/*===== Fix for bug#7456880 =====*/
```

so that it is above the line

```
@agent ie
```

After editing, the file should look like this:

```
/*===== Fix for bug#7456880 =====*/
@agent ie
{
  af|commandImageLink::image,
  af|commandImageLink::image-hover,
  af|commandImageLink::image-depressed
  {
    vertical-align:bottom;
  }
}
```

3. Restart the WebLogic Administration server and the `wls_ods1` managed server.

27.1.6 Oracle Directory Services Manager Browser Window is Not Usable

In some circumstances, after you launch Oracle Directory Services Manager from Fusion Middleware Control, then select a new Oracle Directory Services Manager task, the browser window might become unusable. For example, the window might refresh repeatedly, appear as a blank page, fail to accept user input, or display a null pointer error.

As a work around, go to the URL: `http://host:port/odsm`, where *host* and *port* specify the location where Oracle Directory Services Manager is running, for example, `http://myserver.example.com:7005/odsm`. You can then use the Oracle Directory Services Manager window to log in to a server.

27.1.7 Exceptions May Occur in Oracle Directory Services Manager When Managing Multiple Oracle Virtual Directory Components and One is Stopped

Under certain circumstances, when managing multiple Oracle Virtual Directory components from the same Oracle Directory Services Manager session, exception or error messages may appear if you stop one of the Oracle Virtual Directory components. For example, you are managing Oracle Virtual Directory components named `ovd1` and `ovd2` from the same Oracle Directory Services Manager session. Both `ovd1` and `ovd2` are configured and running. If you stop `ovd1`, an exception or Target Unreachable message may appear when you try to navigate Oracle Directory Services Manager.

To work around this issue, exit the current Oracle Directory Services Manager session, close the web browser, and then reconnect to Oracle Virtual Directory components in a new Oracle Directory Services Manager session.

27.1.8 Identifying the DN Associated with an Access Control Point in Oracle Directory Services Manager

When you create an Access Control Point (ACP) using Oracle Directory Services Manager, the Relative Distinguished Name (RDN) of the DN where you created the ACP appears in the navigation tree on the left side of the screen. For example, if you create an ACP at the DN of **cn=ForExample,dc=us,dc=sales,dc=west**, then **cn=ForExample** appears in the navigation tree. After clicking an ACP in the navigation tree, its settings appear in the right side of the screen and the RDN it is associated with appears at the top of the page.

To identify the DN associated with an ACP, move the cursor over ("mouse-over") the ACP entry in the navigation tree. The full DN associated with the ACP will be displayed in a tool-tip dialog box.

Mousing-over ACPs in the navigation tree is useful when you have multiple ACPs associated with DNs that have identical RDNs, such as:

ACP 1 = cn=ForExample,dc=us,dc=sales,dc=west

ACP 2 = cn=ForExample,dc=us,dc=sales,dc=east

27.1.9 Issues With Oracle Virtual Directory Metrics in Fusion Middleware Control

This topic describes issues with Oracle Virtual Directory metrics in Fusion Middleware Control, including:

- [Configuring Operation-Specific Plug-Ins to Allow Performance Metric Reporting in Fusion Middleware Control After Upgrading to 11g Release 1 \(11.1.1\)](#)

27.1.9.1 Configuring Operation-Specific Plug-Ins to Allow Performance Metric Reporting in Fusion Middleware Control After Upgrading to 11g Release 1 (11.1.1)

If you upgraded an Oracle Virtual Directory Release 10g installation with plug-ins configured to execute on specific operations, such as add, bind, get, and so on, to 11g Release 1 (11.1.1), you may have to update those operation-specific plug-ins before you can use Fusion Middleware Control to view performance metrics.

After upgrading to 11g Release 1 (11.1.1) and performing some initial operations to verify the upgrade was successful, check the Oracle Virtual Directory home page in Fusion Middleware Control. You should see data for the Current Load and Average Response Time and Operations metrics.

If you do not see any data for these metrics, you must update the plug-ins configured to execute on specific operations. The work-around is to add the Performance Monitor plug-in to the operation-specific plug-in's configuration chain.

Perform the following steps to add the Performance Monitor plug-in to the operation-specific plug-in's configuration chain:

1. If the operation-specific plug-in is a Global-level plug-in, edit the `server.os_xml` file located in the `ORACLE_INSTANCE/config/OVD/NAME_OF_OVD_COMPONENT/` directory.

If the operation-specific plug-in is an adapter-level plug-in, edit the `adapters.os_xml` file located in the `ORACLE_INSTANCE/config/OVD/NAME_OF_OVD_COMPONENT/` directory.

Note: If multiple adapters are configured, you must perform steps 2 and 3 for every adapter configuration in the `adapters.os_xml` file.

2. Locate the `pluginChains` element in the file. For example, if the Dump Transactions plug-in is configured to execute on the get operation, you will see something similar to the following:

Example 27–1 Dump Transactions Plug-In Configured for get Operation

```
<pluginChains xmlns="http://xmlns.oracle.com/iam/management/ovd/config/plugins">
  <plugins>
    <plugin>
      <name>Dump Transactions</name>

<class>com.octetstring.vde.chain.plugins.DumpTransactions.DumpTransactions</class>
      <initParams>
        <param name="loglevel" value="info"/>
      </initParams>
    </plugin>
    <plugin>
      <name>Performance Monitor</name>

<class>com.octetstring.vde.chain.plugins.performance.MonitorPerformance</class>
      <initParams/>
    </plugin>
  </plugins>
  <default>
    <plugin name="Performance Monitor"/>
  </default>
  <get>
    <plugin name="Dump Transactions">
      <namespace>ou=DB,dc=oracle,dc=com </namespace>
    </plugin>
  </get>
</pluginChains>
```

3. Add the following Performance Monitor plug-in element within the operation-specific configuration chain:

```
<plugin name="Performance Monitor"/>
```

For example:

Example 27–2 Adding the Performance Monitor to the Operation-Specific Plug-In Configuration Chain

```
<pluginChains xmlns="http://xmlns.oracle.com/iam/management/ovd/config/plugins">
  <plugins>
    <plugin>
      <name>Dump Transactions</name>

<class>com.octetstring.vde.chain.plugins.DumpTransactions.DumpTransactions</class>
      <initParams>
        <param name="loglevel" value="info"/>
      </initParams>
```

```

</plugin>
<plugin>
  <name>Performance Monitor</name>

<class>com.octetstring.vde.chain.plugins.performance.MonitorPerformance</class>
  <initParams/>
</plugin>
</plugins>
<default>
  <plugin name="Performance Monitor"/>
</default>
<get>
  <plugin name="Dump Transactions">
    <namespace>ou=DB,dc=oracle,dc=com </namespace>
  </plugin>
  <plugin name="Performance Monitor"/>
</get>
</pluginChains>

```

4. Save the file.
5. Restart Oracle Virtual Directory.

27.1.10 Using a Wildcard when Performing an LDAPSEARCH on a TimesTen Database Causes an Operational Error

Currently, a TimesTen bug is preventing wildcard searches (such as "cn=t*") from working in a Database adapter with TimesTen.

To work around this problem, enable the Case Insensitive Search option and create the necessary linguistic indexes for any database columns used in the search.

For more information, see the related TimesTen Enhancement Request, Bug# 9885055 and Section 12.2.2 "Creating Database Adapters for Oracle TimesTen In-Memory Database" in the *Oracle® Fusion Middleware Administrator's Guide for Oracle Virtual Directory*.

27.1.11 ODSM Version 11.1.1.4.0 Does Not Support OVD Versions 11.1.1.2.0 or 11.1.1.3.0

Oracle Directory Services Manager Version 11.1.1.4.0 does not support Oracle Virtual Directory Versions 11.1.1.2.0 or 11.1.1.3.0.

Changes introduced in Oracle Directory Services Manager Version 11.1.1.4.0 improve configuration auditing, and these changes require that you use Oracle Virtual Directory 11.1.1.4.0.

27.1.12 ODSM Version 11.1.1.5.0 Does Not Support OVD Versions 11.1.1.2.0, 11.1.1.3.0, or 11.1.1.4.0

Oracle Directory Services Manager Version 11.1.1.5.0 does not support Oracle Virtual Directory Versions 11.1.1.2.0, 11.1.1.3.0, or 11.1.1.4.0.

Changes introduced in Oracle Directory Services Manager Version 11.1.1.5.0 improve configuration auditing, and these changes require that you use Oracle Virtual Directory 11.1.1.5.0.

27.1.13 ODSM Version 11.1.1.6.0 Does Not Support OVD Versions 11.1.1.2.0, 11.1.1.3.0, 11.1.1.4.0, or 11.1.1.5.0

Oracle Directory Services Manager Version 11.1.1.6.0 does not support Oracle Virtual Directory Versions 11.1.1.2.0, 11.1.1.3.0, 11.1.1.4.0, or 11.1.1.5.0.

Changes introduced in Oracle Directory Services Manager Version 11.1.1.6.0 improve configuration auditing, and these changes require that you use Oracle Virtual Directory 11.1.1.6.0.

27.1.14 Users with Non-ASCII Names Might Encounter Problems when Using ODSM with SSO

When Oracle Directory Services Manager is configured to use Oracle Access Manager 11g Release 1 (11.1.1.2) for single sign-on, a user whose name contains non-ASCII characters might observe the following issues after logging in:

- The user name displayed on the Home page is garbled.
- Single sign-on connections to Oracle Virtual Directory servers do not appear in the list of connections.

27.1.15 Creating an Attribute/Object Class Throws NPE Error

After upgrading Oracle Directory Services Manager, creating an attribute or an objectclass causes an NPE error.

Workaround:

Refresh the entries by clicking **Refresh** every time the creation fails.

27.1.16 Patch Required to Enable Account Lockout Feature

An additional Patch 10365116 is required to enable the Account Lockout functionality.

In addition, Oracle Virtual Directory may not update the AD badpasswordcount until the account is fully locked out, which means AD badpasswordcount shows the correct number when it reaches the bad password count setting in AD.

27.1.17 ODSM Problems in Internet Explorer 7

The Oracle Directory Services Manager interface might not appear as described in Internet Explorer 7.

For example, the **Logout** link might not be displayed.

If this causes problems, upgrade to Internet Explorer 8 or 9 or use a different browser.

27.1.18 Strings Related to New Enable User Account Lockout Feature on EUS Wizard Are Not Translated

The new Enable User Account Lockout feature (and related messages) provided in the Oracle Virtual Directory EUS wizard have not been translated.

27.1.19 All Connections Created In ODSM 11.1.1.1.0 Are Lost After Upgrading to OVD or OID Version 11.1.1.7.0

Due to some deployment changes made to Oracle Directory Services Manager version 11.1.1.2.0, any connections created in Oracle Directory Services Manager version

11.1.1.1.0 will be lost when you upgrade to Oracle Virtual Directory version 11.1.1.7.0 or Oracle Internet Directory version 11.1.1.7.0.

Oracle Directory Services Manager resumes caching connection details the first time you connect again after upgrading to Oracle Virtual Directory version 11.1.1.7.0 or Oracle Internet Directory version 11.1.1.7.0.

27.1.20 Incorrect ODSM Version Displays in Enterprise Manager Console After OVD Upgrade

The Oracle Directory Services Manager version automatically displays as *11.1.1.2.0* in the Enterprise Manager console for all patch set releases. This Oracle Directory Services Manager version number does not increment to match the patch set version when you upgrade.

27.1.21 Connection Issues to OVD

In non-Linux environments, if you have any issues connecting to Oracle Virtual Directory from Oracle Directory Services Manager, LDAP tools, or any other applications, you must disable NIO in the non-SSL listener by using the following steps:

1. From a command window, stop Oracle Virtual Directory:

```
$ORACLE_INSTANCE/bin/opmnctl stopproc ias-component=ovd1
```

2. Edit the `$ORACLE_INSTANCE/config/OVD/ovd1/listeners.os_xml` file as follows:

- a. Locate this LDAP non-SSL listener section:

```
<ldap id="LDAP Endpoint" version="0">
  <port>6501</port>
  <host>0.0.0.0</host>
  .....
  .....
  <tcpNoDelay>true</tcpNoDelay>
  <readTimeout>0</readTimeout>
</socketOptions>
</ldap>
```

- b. Modify the section by adding `<useNIO>>false</useNIO>`, as indicated:

```
<ldap id="LDAP Endpoint" version="0">
  <port>6501</port>
  <host>0.0.0.0</host>
  .....
  .....
  <tcpNoDelay>true</tcpNoDelay>
  <readTimeout>0</readTimeout>
</socketOptions>
  <useNIO>>false</useNIO>
</ldap>
```

3. Start Oracle Virtual Directory:

```
$ORACLE_INSTANCE/bin/opmnctl startproc ias-component=ovd1
```

This modification should resolve the connection issues.

27.1.22 ODSM Version 11.1.1.70 Does Not Support OVD Versions 11.1.1.2.0, 11.1.1.3.0, 11.1.1.4.0, 11.1.1.5.0, or 11.1.1.6.0

Oracle Directory Services Manager Version 11.1.1.70 does not support Oracle Virtual Directory Versions 11.1.1.2.0, 11.1.1.3.0, 11.1.1.4.0, 11.1.1.5.0, or 11.1.1.6.0.

Changes introduced in Oracle Directory Services Manager Version 11.1.1.70 improve configuration auditing, and these changes require that you use Oracle Virtual Directory 11.1.1.7.0.

27.1.23 Modify Completes When Updating a Mandatory Attribute to Null

If a `modify` operation adds an attribute with an empty value, and the attribute type does not allow empty values, the operation no longer returns an error. For example, `ldapmodify ADD sn` with an empty value previously returned an Invalid Syntax error and now it does not return any errors. Other `modify` operation failures are properly reported.

27.1.24 Online Help Section is Not Working

The Oracle Directory Services Manager online help section does not work in Internet Explorer 10 (IE10) web browsers.

27.2 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 27.2.1, "Configuring an OVD/OID Adapter For SSL Mutual Authentication"](#)

27.2.1 Configuring an OVD/OID Adapter For SSL Mutual Authentication

Neither *Oracle Fusion Middleware Administrator's Guide for Oracle Virtual Directory* nor *Oracle Fusion Middleware Administrator's Guide* describes how to set up an Oracle Virtual Directory/Oracle Internet Directory adapter for SSL Mutual Authentication. This information is provided in Note 1449118.1 and Note 1311791.1, which are available on My Oracle Support at:

<https://support.oracle.com/>

27.3 Documentation Errata

This section describes documentation errata in the *Administrator's Guide for Oracle Virtual Directory*. It includes the following topics:

- [Deploying Oracle Unified Directory with Oracle Virtual Directory](#)

27.3.1 Deploying Oracle Unified Directory with Oracle Virtual Directory

You can deploy Oracle Unified Directory as an LDAP data source with Oracle Virtual Directory. For information about how to deploy Oracle Unified Directory with Oracle Virtual Directory, see "Creating LDAP Adapters" in the *Oracle® Fusion Middleware Administrator's Guide for Oracle Virtual Directory*.

Oracle Authentication Services for Operating Systems

This chapter describes issues associated with Oracle Product. It includes the following topics:

- Section 28.1, "What is New with Oracle Authentication Services for Operating Systems 11.1.1.3 ?"
- Section 28.2, "General Issues and Workarounds"

28.1 What is New with Oracle Authentication Services for Operating Systems 11.1.1.3 ?

Oracle Fusion Middleware Release 11g R1 patchset 2 (11.1.1.3) is the first 11g release to include Oracle Authentication Services for Operating Systems. This product is also available as a download from <http://www.oracle.com/technology/>.

The following features and capabilities have been added to Oracle Authentication Services for Operating Systems since the 10g release:

- Full integration with Fusion Middleware Release 11g R1 patchset 2 (11.1.1.3). OAS4OS was not available with FMW 11g R1 or FMW 11g R1 patchset 1.
- Extended client platform support. For a full list see: http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html.
- New configuration scripts to enable PAM proxy user-based access to Oracle Internet Directory for enhanced security.
- Easy configuration of Oracle Internet Directory SSL using customer provided certificates for production deployments, or use of self signed certificates to test OID SSL connections.
- Restricting client access based on IP address.
- Easy reset of client configuration to support testing.

28.2 General Issues and Workarounds

For up-to-date information about product bugs and updates, see Note 1064891.1: Oracle Authentication Services for Operating Systems Documentation Addendum (11.1.1.3). This document is available on My Oracle Support at <https://support.oracle.com/>.

Part IX

Oracle Portal, Forms, Reports and Discoverer

Part IX contains the following chapters:

- Chapter 29, "Oracle Business Intelligence Discoverer"
- Chapter 30, "Oracle Forms"
- Chapter 32, "Oracle Portal"
- Chapter 31, "Oracle Reports"

Oracle Business Intelligence Discoverer

This chapter describes issues associated with Oracle Business Intelligence Discoverer. It includes the following topics:

- Section 29.1, "General Issues"
- Section 29.2, "Issues Specific to Oracle BI Discoverer Plus Relational"
- Section 29.3, "Issues Specific to Oracle BI Discoverer Plus OLAP"
- Section 29.4, "Issues Specific to Oracle BI Discoverer Portlet Provider"
- Section 29.5, "Issues Specific to Oracle BI Discoverer Viewer"
- Section 29.6, "Issues Specific to Oracle BI Discoverer EUL Command Line for Java"
- Section 29.7, "Issues Specific to Oracle BI Discoverer Administrator"

29.1 General Issues

This section describes general issues that affect more than one Discoverer component. It includes the following topics:

- Section 29.1.1, "Error while Accessing a Discoverer Menu Option in Enterprise Manager"
- Section 29.1.2, "Issues with Metadata Repository and Oracle Database 10g Release 1"
- Section 29.1.3, "Compatibility Issues with Required Support Files"
- Section 29.1.5, "Additional Fonts Required for Non-ASCII Data When Exporting to PDF"
- Section 29.1.4, "Serif Font Issue in Worksheets"
- Section 29.1.6, "Query Prediction Requires the Majority of the Query Time"
- Section 29.1.7, "Word Wrapping Behavior with Oracle BI Discoverer Plus and Oracle BI Discoverer Viewer"
- Section 29.1.8, "Applet Appears Behind Browser Window"
- Section 29.1.9, "Issues with Mac OS X Browser and Oracle BI Discoverer Plus"
- Section 29.1.10, "Issues with Turkish Regional Settings"
- Section 29.1.11, "Multibyte Characters Rendered as Square Boxes in Exported PDF and Other Formats"
- Section 29.1.12, "Java Plug-in Not Downloaded Automatically on Firefox"

- Section 29.1.13, "HTTP 404 Error While Accessing Discoverer on a Remote Machine"
- Section 29.1.14, "Error While Launching Discoverer Plus Applet on an IPv6 Environment"
- Section 29.1.15, "Error While Updating the Discoverer Web Services Configuration Parameter"
- Section 29.1.16, "Exception Logged for Discoverer Web-Based Applications in an Extended Domain"
- Section 29.1.17, "Issue with Discoverer Application URL in Fusion Middleware Control after a Backup Recovery"
- Section 29.1.18, "Incorrect Version Number for Discoverer in Fusion Middleware Control 11g"
- Section 29.1.19, "Oracle BI Discoverer Startup Fails after Shutdown"
- Section 29.1.20, "The Database Export and Import Utility does not Work with Applications Mode EUL"
- Section 29.1.21, "Install-level Scripts are not Updated in Existing Instances after Patching"

29.1.1 Error while Accessing a Discoverer Menu Option in Enterprise Manager

In Enterprise Manager 11g Fusion Middleware Control, if you select the Catalog > Install from the Discoverer drop down menu, the following ADF error occurs:

```
ADFC-06003:EL expression  
#{viewScope.general_info_dialog.model.regionBound}' for a region TaskFlowId  
in binding 'genRegion' evaluated to null, a non-value must be specified"
```

Workaround

Select Catalog > Manage from the Discoverer menu and then select Catalog > Install. The Install Catalog page appears without any error.

29.1.2 Issues with Metadata Repository and Oracle Database 10g Release 1

When using Oracle Database 10g Release 1 (10.1.x) for the Metadata Repository or after upgrading the Metadata Repository to Oracle Database 10g Release 1, you might see the following error on the Oracle BI Discoverer Plus Connection pages, the Oracle BI Discoverer Viewer Connection pages, and the Public Connection definition page in Fusion Middleware Control:

```
The connection list is currently unavailable.  
ORA-06510: PL/SQL: unhandled user-defined exception  
ORA-06512: at "ORASSO.WWSSO_API_PRIVATE," line 258  
ORA-06510: PL/SQL: unhandled user-defined exception  
ORA-06512: at "ORASSO.WWSSO_UTL" line 728  
ORA-28231: no data passed to obfuscation toolkit  
ORA-06512: at line 1 Unable to retrieve connection list
```

To resolve this issue, make the following changes in the Metadata Repository database:

1. Edit the `init%ORACLE_SID%.ora` file. This file exists either in the `db`s folder or the database folder. For example, in Windows, this file is located in the `DB_install_home/database/` folder.
2. Add the following line to this file:

```
event="10946 trace name context forever, level 36"
```

3. If an `spfile%ORACLE_SID%.ora` exists in either the `db`s folder or the database folder, rename the file to `spfile%ORACLE_SID%.bak`. Changes to `init%ORACLE_SID%.ora` are not loaded if the database server finds an `spfile`.
4. Log in as a `sysadmin`.
5. At the SQL prompt, shut down then start up the database server.
6. Restart the Oracle BI Discoverer server using the command `opmnctl restartall`.

29.1.3 Compatibility Issues with Required Support Files

The Oracle Database and other Oracle database client software (for example, SQL*Plus, the database export utility) use Oracle Required Support Files (RSF).

Oracle BI Discoverer also uses Oracle Required Support Files (RSF), specifically RSF version 11.1.0.7. This version of the Oracle Required Support Files is installed during Oracle BI Discoverer installation.

Note that the Required Support Files version 11.1.0.7 is incompatible with earlier versions of Oracle Database 10g. So if the machine on which you install Oracle BI Discoverer already has a version of Oracle Database 10g or database client software that is earlier than 11.1.0.7, there will be compatibility issues. For example, if you install Oracle BI Discoverer and attempt to run a version of SQL*Plus earlier than 11.1.0.7, then the following error is displayed:

```
ORA-12557 TNS: protocol adapter not loadable
```

To avoid the compatibility issues, upgrade Oracle Database 10g or database client software on the machine to the same version (11.1.0.7) as the version of the Required Support Files that were installed with Oracle BI Discoverer.

This issue does not exist for Oracle9i Database Server.

29.1.4 Serif Font Issue in Worksheets

You might notice unsightly font issues when using a non-English locale such as Czech. For example, when a worksheet uses a serif font, text in that worksheet might be displayed incorrectly on the screen and in printouts.

To work around this issue, update the file that maps the serif fonts. The name of this file differs depending on the locale in use. When you use Oracle BI Discoverer Plus Relational or Plus OLAP in English, the file is named `file.properties`. If you use Oracle BI Discoverer in a non-English locale, then the file name includes the code for the locale, such as `file.properties.cs` for Czech.

Update the mapping file with the following information:

```
serif.0=Times New Roman,EASTEUROPE_CHARSET
serif.1=WingDings,SYMBOL_CHARSET,NEED_CONVERTED
serif.2=Symbol,SYMBOL_CHARSET,NEED_CONVERTED
```

Consult the following Sun Web site for additional information about fonts:

<http://java.sun.com/j2se/1.3/docs/guide/intl/addingfonts.html>

29.1.5 Additional Fonts Required for Non-ASCII Data When Exporting to PDF

If you are running Oracle BI Discoverer Plus Relational or Plus OLAP on a Macintosh or Linux client machine, you must add the appropriate font files to your client machine to allow exported PDF files to display non-ASCII data correctly.

These font files include Albany fonts with names such as `ALBANWTJ.TTF` and `ALBANWTK.TTF`. The files are stored in the `/utilities/fonts` directory on the CD-ROM or DVD for the Oracle Application Server Metadata Repository Upgrade Assistant.

To install the additional required fonts:

1. Navigate to the `/utilities/fonts` directory on the CD-ROM or DVD for the OracleAS Metadata Repository Upgrade Assistant.
2. Copy the appropriate Albany TTF file from the `/utilities/fonts` directory to the plug-in directory in the `$jdk/jre/lib/fonts` directory on the Macintosh or Linux client machine.

29.1.6 Query Prediction Requires the Majority of the Query Time

When using Oracle BI Discoverer with a relational data source, you can predict the time that is required to retrieve information by setting the value of the `QPPEnable` preference to 1. However, in some circumstances, the majority of the time taken to retrieve information is consumed by the prediction activity itself.

To work around this issue, set the value of the `QPPObtainCostMethod` preference to 0 (use the `EXPLAIN PLAN` statement to predict query times) rather than to 1 (use dynamic views to predict query times).

For more information about setting preferences, see the *Oracle Fusion Middleware Configuration Guide for Oracle Business Intelligence Discoverer*.

29.1.7 Word Wrapping Behavior with Oracle BI Discoverer Plus and Oracle BI Discoverer Viewer

To use word wrap settings correctly, you must understand how they are designed for Oracle BI Discoverer:

- **Oracle BI Discoverer Plus:** Word wrap settings that you make in Oracle BI Discoverer Plus are saved in the worksheet and affect the display of worksheets in Oracle BI Discoverer Plus and when printing to PDF.
- **Oracle BI Discoverer Viewer:** Word wrap settings that you see in the **Print Settings** dialog work as follows:
 - The word wrap settings do not affect the display of worksheets in Oracle BI Discoverer Viewer.
 - **For relational data:**
 - * The word wrap settings do affect the printing of worksheets to PDF.
 - * If the **Always wrap text when size exceeds column width** box is checked, then the print settings in Oracle BI Discoverer Viewer do override the settings made in a worksheet in Oracle BI Discoverer Plus Relational for printing to PDF.
 - * If the **Always wrap text when size exceeds column width** box is not checked, then the print settings in Oracle BI Discoverer Viewer do not

override the settings made in a worksheet in Oracle BI Discoverer Plus Relational for printing to PDF.

- **For OLAP data:**
 - * The word wrap settings do not affect the printing of worksheets to PDF.
 - * Regardless of whether the **Always wrap text when size exceeds column width** check box is selected, the print settings in Oracle BI Discoverer Viewer never override the settings made in a worksheet in Oracle BI Discoverer Plus OLAP for printing to PDF.

29.1.8 Applet Appears Behind Browser Window

When you use Microsoft Internet Explorer, the Oracle BI Discoverer Plus Relational or Plus OLAP applet initialization and download dialog appears behind the browser window from which it was launched. After the applet is downloaded and initialized, it appears in front of the browser window from which it was launched.

To work around this issue:

- Use a browser other than Internet Explorer, such as Netscape Navigator or Mozilla Firefox.
- Use the Oracle BI Discoverer Plus URL parameter `_plus_popup=false`, which is documented in the *Oracle Fusion Middleware Configuration Guide for Oracle Business Intelligence Discoverer*.

29.1.9 Issues with Mac OS X Browser and Oracle BI Discoverer Plus

The following are issues that you might encounter when you use the Safari browser on Mac OS X with Oracle BI Discoverer Plus Relational or Plus OLAP:

- If you resize the browser window in the applet, then some parts of the content might be clipped. To work around this problem, always maximize the browser window for the applet when working with Mac OS X.
- Keyboard combinations (also known as mnemonics) do not work in Oracle BI Discoverer Plus Relational and Plus OLAP.

For example, you cannot press Alt+F to access the File menu.

- In the **Share Workbooks** dialog of Oracle BI Discoverer Plus Relational, the leading characters of the "**Shared:**" list are clipped. In other words, the left edge of the list is truncated. For example, if you shared a workbook with DISCODEV, then you will only see SCODEV in the list. The title for the list is also truncated such that you see only the vertical line of the "d" in "**Shared**" and the colon (that is, "I:").

The dialog continues to work as expected, but you might have difficulty reading the names in the "**Shared:**" list.

This issue has no workaround.

29.1.10 Issues with Turkish Regional Settings

Because of Sun JRE 1.4 bug 4688797, you might encounter issues when connecting to a database schema from a computer that has Turkish regional settings. You will encounter the issue when you attempt to connect to a database schema with a user name that contains certain letters, such as the letter 'I' or 'i', for example, in "bibdemo". See the Sun JRE bug for information on the letters that are affected.

To work around this issue, either do not use Turkish regional settings or use a user name that does not contain the affected letters.

29.1.11 Multibyte Characters Rendered as Square Boxes in Exported PDF and Other Formats

When you export a workbook to PDF and other formats, multibyte characters (for example, Korean, Japanese, and Chinese characters) appear as square boxes.

To work around this issue, copy the following Albany fonts from `ORACLE_HOME/jdk/jre/lib/fonts` to the `fonts` folder of your JDK (Oracle JRockit or Sun) within the `MW_HOME` directory. For example, if you are using HP-UX JDK, you must copy the fonts to `MW_HOME/jre/jdk160_11/lib/fonts`.

- AlbanWTJ.ttf
- AlbanWTK.ttf
- AlbanWTS.ttf
- AlbanWTT.ttf
- ALBANYWT.ttf

29.1.12 Java Plug-in Not Downloaded Automatically on Firefox

When you attempt to connect to Discoverer Plus by using the Mozilla Firefox browser on a machine that does not have Java 1.6 installed, the browser does not download the JRE 1.6 plug-in automatically. Instead, the browser displays the following message:

Additional plugins are required to display this page...

You must download the JRE 1.6 plug-in (by clicking the **Install Missing Plugin** link) and install it manually.

29.1.13 HTTP 404 Error While Accessing Discoverer on a Remote Machine

When you attempt to connect to Discoverer Plus, occasionally, the browser returns an HTTP 404 (File Not Found) error.

The page loads correctly when you refresh the browser a few times.

29.1.14 Error While Launching Discoverer Plus Applet on an IPv6 Environment

If the Web tier is on an IPv6 machine, when you start Discoverer Plus, the following error message might be displayed:

```
Attempt1. RMI protocol over JRMP transport: Connection refused to host:  
DiscoServerMachineName;nested exception is:  
@ java.net.ConnectionException: Connection timed out
```

To work around this issue, in the System MBean Browser of Fusion Middleware Control, change the `TransportProtocols` attribute of the Plus Config MBean to `"jrmp,http"` (or `"jrmp,https"` if Discoverer Plus is accessed by using secure HTTP).

29.1.15 Error While Updating the Discoverer Web Services Configuration Parameter

When you update the web services configuration parameter (Maximum Sessions) using the Discoverer Web Services Configuration page of Fusion Middleware Control and click **Apply**, the following error message is displayed:

Applying changes - Failed.
Exception caught:

You can ignore the error message because the changes are applied even if the exception is thrown. Alternatively, you can update the MaxSessions attribute of the WebServicesConfig MBean in the System MBean Browser of Fusion Middleware Control.

29.1.16 Exception Logged for Discoverer Web-Based Applications in an Extended Domain

When you extend a domain and add Discoverer application in a remote machine, you may see the following exception in the WebLogic Server log:

```
java.lang.IllegalArgumentException: ODL-52057: The handler 'disco-server-handler' is not defined.
```

To work around this issue, modify the `log_handlers` and `loggers` elements in the `logging.xml` file located in the `DOMAIN_HOME/config/fmwconfig/servers/WLS_DISCO` folder of the machine where the domain exists.

In the `log_handlers` section, add the handlers as follows:

```
<log_handler name='discoverer-handler'
class='oracle.core.ojdl.logging.ODLHandlerFactory'>
  <property name='path'
value='${domain.home}/servers/${weblogic.Name}/logs/discoverer/diagnostic.log'
/>
<property name='maxFileSize' value='1048576' />
  <property name='maxLogSize' value='10485760' />
  <property name='format' value='ODL-Text' />
  <property name='useSourceClassAndMethod' value='false' />
</log_handler>

<log_handler name='disco-server-handler'
class='oracle.core.ojdl.logging.ODLHandlerFactory'>
  <property name='path'
value='${domain.home}/servers/${weblogic.Name}/logs/discoverer/server/diagnost
ic.log' />
  <property name='maxFileSize' value='1048576' />
  <property name='maxLogSize' value='10485760' />
  <property name='format' value='ODL-Text' />
</log_handler>
```

In the `loggers` sections, add the following elements:

```
<logger name='ORACLE.DISCOVERER.VIEWER' level='TRACE:32'
useParentHandlers='false'>
  <handler name='discoverer-handler' />
  <handler name='odl-handler' />
</logger>
<logger name='ORACLE.DISCOVERER.PORTLET_PROVIDER' level='TRACE:32'
useParentHandlers='false'>
  <handler name='discoverer-handler' />
  <handler name='odl-handler' />
</logger>
<logger name='ORACLE.DISCOVERER.MODEL' level='TRACE:32'
useParentHandlers='false'>
  <handler name='discoverer-handler' />
  <handler name='odl-handler' />
```

```
</logger>
<logger name='ORACLE.DISCOVERER.WEB_SERVICES' level='TRACE:32'
useParentHandlers='false'>
  <handler name='discoverer-handler' />
  <handler name='odl-handler' />
</logger>
<logger name='ORACLE.DISCOVERER.SERVER' level='TRACE:32'
useParentHandlers='false'>
  <handler name='disco-server-handler' />
  <handler name='odl-handler' />
</logger>
```

After adding these elements, save the logging.xml file, and restart the Administration Server and Discoverer Managed Servers.

29.1.17 Issue with Discoverer Application URL in Fusion Middleware Control after a Backup Recovery

When you recover the Oracle BI Discoverer middle tier from a backup, the Discoverer application URL in the Discoverer Home page of Fusion Middleware Control point to a wrong location.

You must configure the application URLs that appear on the Oracle BI Discoverer Home page in Fusion Middleware Control after recovering the Oracle BI Discoverer middle tier from a backup.

For more information, see "How to configure application URLs displayed on the Fusion Middleware Control Discoverer Home page" in the Oracle Business Intelligence Discoverer Configuration Guide.

29.1.18 Incorrect Version Number for Discoverer in Fusion Middleware Control 11g

In Fusion Middleware Control 11g, the Enterprise Manager Fusion Middleware Control pages display wrong version number (11.1.1.2.0) for the Oracle BI Discoverer application. The correct version number for Oracle BI Discoverer is 11.1.1.4.0.

29.1.19 Oracle BI Discoverer Startup Fails after Shutdown

When you first start up the Discoverer application from Oracle Enterprise Manager Fusion Middleware Control or Oracle WebLogic Administration Console after shutting down the application instance, the startup fails with error logs.

To work around this issue, start the Discoverer application again. The second time the application starts without any error message.

29.1.20 The Database Export and Import Utility does not Work with Applications Mode EUL

You cannot use the standard database export and import utilities to export or import the database, EUL tables and database objects referenced by the Applications Mode EUL definitions. The standard database export and import utility can be used only for standard EUL definitions.

To work around this issue, use the Discoverer Export Wizard in Discoverer Administrator to export EUL objects to an EUL export file (*.EEX). After exporting the EUL objects, you can import the .EEX file using the Discoverer Import Wizard.

For more information, see "Creating and Maintaining End User Layers" in *Oracle Fusion Middleware Administrator's Guide for Oracle Business Intelligence Discoverer*.

29.1.21 Install-level Scripts are not Updated in Existing Instances after Patching

When you upgrade Oracle Discoverer 11gR1 PS1 to 11gR1 PS2 or 11gR1 PS3, the patch will be installed in the `ORACLE_HOME` folder. Therefore, script changes in the new patch set will not be available for existing Oracle Discoverer instances, which are located in the `ORACLE_INSTANCE` folder. However, new instances that are created after the patch upgrade will be updated.

To work around this issue, after a patch upgrade manually copy the new scripts to the existing `ORACLE_INSTANCE` folders. For example, copy the new `discenv.sh` script file from `ORACLE_HOME` to the `ORACLE_INSTANCE/Discoverer/Discoverer_instance-name/util/` folder.

For more information about Discoverer file locations, see "Oracle BI Discoverer Configuration Files" in *Oracle Fusion Middleware Configuration Guide for Oracle Business Intelligence Discoverer*.

29.2 Issues Specific to Oracle BI Discoverer Plus Relational

This section describes issues that are specific to Oracle BI Discoverer Plus Relational. It includes the following topics:

- [Section 29.2.1, "Text Appearing Truncated or Clipped"](#)
- [Section 29.2.2, "Non-ASCII Characters Not Saved Correctly in Title or Text Area"](#)
- [Section 29.2.3, "Canceling Query Causes Discoverer to Hang"](#)
- [Section 29.2.4, "Nonaggregable Values Not Displayed for Scheduled Workbooks"](#)
- [Section 29.2.5, "Migrating Oracle BI Discoverer Plus Relational Worksheets from Oracle BI Discoverer Desktop"](#)

29.2.1 Text Appearing Truncated or Clipped

When you run Oracle BI Discoverer Plus Relational with Sun Java Plug-in 1.4.2_06, the Browser Look and Feel, and an Asian language (such as Korean or Chinese), you might notice that static text and text in buttons in the user interface appears truncated or clipped. To work around this issue, do one of the following:

- Change the Look and Feel to either Plastic or System.
- Use JInitiator 1.3.1.17 instead of the Sun Java Plug-in.
- Install Sun Java Plug-in version 1.4.2_10 or higher.

29.2.2 Non-ASCII Characters Not Saved Correctly in Title or Text Area

When you save a new workbook in Oracle BI Discoverer Plus, any text characters beyond the standard ASCII characters are not saved correctly when all the conditions that are described in the following list are met:

- You are logged in as an Oracle e-Business Suite user.
- The language for the computer is not English.
- Oracle BI Discoverer Plus is running against an Oracle e-Business Suite database that does not have that non-English language installed.

This issue has no workaround.

29.2.3 Canceling Query Causes Discoverer to Hang

If you cancel a query that is running in Oracle BI Discoverer Plus Relational, then you are prompted to either choose YES to undo the changes or NO to show a blank sheet. If you choose YES, then Oracle BI Discoverer Plus Relational hangs and you must close the window and restart.

To work around this issue, choose NO to show a blank worksheet. You can then refresh the sheet and continue working.

29.2.4 Nonaggregable Values Not Displayed for Scheduled Workbooks

Oracle BI Discoverer Plus Relational does not display nonaggregable values for scheduled workbooks. In other words, Oracle BI Discoverer Plus Relational processes scheduled workbooks as if you selected the **Show values that cannot be aggregated as: <Non-aggregable label>** option in the **Worksheet Properties dialog: Aggregation** tab.

Nonaggregable values include those based on the following SQL functions:

- A CASE SQL statement
- A DECODE SQL statement
- A PL/SQL function
- A DISTINCT SQL statement
- An analytic function

29.2.5 Migrating Oracle BI Discoverer Plus Relational Worksheets from Oracle BI Discoverer Desktop

If you use Oracle BI Discoverer Plus Relational to open a worksheet that was created using Oracle BI Discoverer Desktop Version 9.0.4 (or earlier), the size of the title area for that worksheet defaults to two lines in height. A title height of two lines might be a problem if a worksheet title requires more than or less than two lines. If you want to change the size of the title area, you must resize the title area manually and save the worksheet.

To resize the title area for a worksheet, open the worksheet and drag the bar at the bottom of the title area pane up or down.

29.3 Issues Specific to Oracle BI Discoverer Plus OLAP

This section describes issues that are specific to Oracle BI Discoverer Plus OLAP. It includes the following topics:

- [Section 29.3.1, "Issues with Applet Download"](#)
- [Section 29.3.2, "Disabled Netscape and Mozilla Browsers"](#)
- [Section 29.3.3, "Tabbing Fails to Synchronize Menus"](#)
- [Section 29.3.4, "Esc Key Fails to Close Certain Dialogs"](#)
- [Section 29.3.5, "Link Tool Works Incorrectly in Some Locales"](#)
- [Section 29.3.6, "Memory Issues when Exporting Extremely Large Graphs"](#)

- [Section 29.3.7, "Issue While Printing Worksheets with Large Data Values"](#)
- [Section 29.3.8, "Issues with Titles and Text Areas"](#)
- [Section 29.3.9, "Errors with JAWS and Format Dialogs"](#)

29.3.1 Issues with Applet Download

There may be Oracle Business Intelligence Discoverer Plus applet download issues when caching has been enabled in the Sun Java Plug-In.

To avoid these issues, disable caching in the plug-in.

29.3.2 Disabled Netscape and Mozilla Browsers

When you are running Netscape 7.x or Mozilla browsers, the Netscape and Mozilla Mail clients and Web browser may become disabled when Oracle BI Discoverer Plus OLAP modal dialogs are displayed.

Dismissing the Oracle BI Discoverer Plus OLAP dialogs resumes normal operation for the Netscape and Mozilla tools.

29.3.3 Tabbing Fails to Synchronize Menus

When you use the Tab key to select items in a worksheet, the menus do not always synchronize to reflect the currently selected item.

This issue has no workaround.

29.3.4 Esc Key Fails to Close Certain Dialogs

The `Esc` key does not close the following dialogs: Totals, New Total, Parameter, and Manage Catalog.

Instead of using the `Esc` key, click the **Close** or **OK** button.

29.3.5 Link Tool Works Incorrectly in Some Locales

The **Link** tool, which enables users to drill out to external URLs from a crosstab cell, might not work correctly in all locales due to URL encoding issues.

This issue has no workaround.

29.3.6 Memory Issues when Exporting Extremely Large Graphs

Exporting extremely large graphs can cause memory issues, requiring a restart of the Oracle BI Discoverer Plus OLAP session.

This issue has no workaround.

29.3.7 Issue While Printing Worksheets with Large Data Values

When printing a worksheet that contains large numbers in the data cells, the string ##### may be printed instead of the actual numbers.

This issue has no workaround.

29.3.8 Issues with Titles and Text Areas

The following issues exist with titles and text areas:

- Nonempty titles and text areas are printed even if they are hidden in the worksheet.
This issue has no workaround.
- When you set the title or text area background to green and export the worksheet to an HTML file, the background is incorrectly set to red in the exported file.
This issue has no workaround.

29.3.9 Errors with JAWS and Format Dialogs

When you use JAWS, you will notice errors when you attempt to format graphs and crosstabs using the **Format** dialogs.

This issue has no workaround.

29.4 Issues Specific to Oracle BI Discoverer Portlet Provider

This section describes issues that are specific to Oracle BI Discoverer Portlet Provider. It includes the following topics:

- [Section 29.4.1, "Inability to Turn Off Display of Range Min and Max as Labels"](#)
- [Section 29.4.2, "Issues with Discoverer Portlets in WebCenter"](#)
- [Section 29.4.3, "Issue while Publishing Discoverer WSRP Portlets in Portals Other than Oracle Portal and Oracle WebCenter"](#)
- [Section 29.4.4, "Issue with Portlet Titles in Discoverer WSRP Portlets Published on IBM WebSphere"](#)
- [Section 29.4.5, "Issue with Color and Date Pickers in Discoverer WSRP Portlets"](#)
- [Section 29.4.6, "Worksheet Parameter LOV is not Displayed in Discoverer WSRP Portlets on IBM WebSphere Portal"](#)
- [Section 29.4.7, "Issue with Worksheet Parameter LOV Pop-Up Window in Discoverer WSRP Portlets"](#)

29.4.1 Inability to Turn Off Display of Range Min and Max as Labels

In the **Display Options** of a gauge portlet, the **Minimum Value** and **Maximum Value** range labels are selected but are also disabled so that you cannot deselect the display of those values. The values for the minimum and the maximum appear at the ends of every gauge in the set except for those gauges where the value to be gauged is out of the range of the minimum and the maximum values. For those gauges where the value to be displayed exceeds the range of the minimum and the maximum values, the gauge will automatically adjust to accommodate the value.

This issue has no workaround.

29.4.2 Issues with Discoverer Portlets in WebCenter

The following issues exist for Discoverer portlets displayed in Oracle WebCenter.

- When a Worksheet portlet is displayed in Oracle WebCenter, the links to navigate to the next set of records does not work.
- When a List of Worksheets portlet is displayed in Oracle WebCenter, the Expand All Icons link does not work.

To work around these issues, set the `RenderPortletInIFrame` attribute of the portlet tag to `TRUE`. For more information, see "Setting Attribute Values for the Portlet Tag" in *Oracle Fusion Middleware Developer's Guide for Oracle WebCenter*.

29.4.3 Issue while Publishing Discoverer WSRP Portlets in Portals Other than Oracle Portal and Oracle WebCenter

When you publish Discoverer WSRP Portlets in portals other than Oracle Portal and Oracle WebCenter (such as Oracle WebLogic Portal and IBM WebSphere Portal), the pop-up windows for input selection will have the same page layout as the portal page with all navigation options. If you select any of these navigation options, the current portlet state will be lost. You might need to start publishing the portlet from the beginning.

The issue has no workaround.

29.4.4 Issue with Portlet Titles in Discoverer WSRP Portlets Published on IBM WebSphere

You cannot dynamically change the portlet title of a Discoverer WSRP portlet in IBM WebSphere after it is published. Static title is rendered in the portal for each portlet instance.

To work around this issue, set a meaningful title for the portlet by editing the title using the Set Title or Description option in the WebSphere portal. For more information about changing the title of a portlet, see WebSphere documentation.

29.4.5 Issue with Color and Date Pickers in Discoverer WSRP Portlets

The Color and Date pickers in Discoverer WSRP Portlets do not work on portals other than Oracle WebCenter.

On portals such as Oracle Portal, Oracle WebLogic Portal and IBM WebSphere, to workaround this issue, set the value of the configuration parameter `useInlineUIXPicker` to true. The default value of this parameter is false. When you set the `useInlineUIXPicker` parameter to true, set the color and date as follows:

- Inline color pickers are enabled in the Gauges Selection page and you can select a color from the palette.
- You cannot select the color using the Format option of the Personalize menu of the worksheet. Use the Analyze option in the portlet window to change the color.
- The Date picker in the Refresh option will not be available. Enter the date manually.

29.4.6 Worksheet Parameter LOV is not Displayed in Discoverer WSRP Portlets on IBM WebSphere Portal

The Worksheet Parameter LOV icon is not displayed when you publish Discoverer WSRP portlets in IBM WebSphere portal. To work around this issue, enter parameter values manually.

29.4.7 Issue with Worksheet Parameter LOV Pop-Up Window in Discoverer WSRP Portlets

In Oracle Portal and Oracle WebLogic Portal, when you select values from the parameter LOV from a worksheet portlet published by using the Discoverer WSRP Portlet producer, the pop-up window is not getting closed on selection of values. You must explicitly close the pop-up window after selection of values.

29.5 Issues Specific to Oracle BI Discoverer Viewer

This section describes issues that are specific to Oracle BI Discoverer Viewer. It includes the following topics:

- [Section 29.5.1, "Drill Icons Cannot Be Hidden in Oracle BI Discoverer Viewer"](#)
- [Section 29.5.2, "Error Displaying Page for Multiple SSO Users"](#)
- [Section 29.5.3, "Inability to Disable the Display of Row Numbers"](#)
- [Section 29.5.4, "Issues with Oracle BI Discoverer Viewer Embedded in Frames"](#)
- [Section 29.5.5, "Issue Exporting to PDF Under Certain Circumstances"](#)
- [Section 29.5.6, "Issue When Changing Colors for Oracle BI Discoverer Viewer in Fusion Middleware Control on Mac OS X"](#)
- [Section 29.5.7, "Discoverer Catalog Items Not Visible From UNIX Servers"](#)
- [Section 29.5.8, "Known Bug with JAWS Prevents Drilling Using the Enter Key"](#)
- [Section 29.5.9, "JAWS Does Not Read Asterisks that Precede Fields"](#)
- [Section 29.5.10, "Oracle BI Discoverer Viewer Pages are not Cached by Oracle Web Cache"](#)

29.5.1 Drill Icons Cannot Be Hidden in Oracle BI Discoverer Viewer

The `pref.txt` file contains a setting called `ShowDrillIcon`, which is not functioning properly. If you set `ShowDrillIcon` to `False`, then drill icons are still displayed in Oracle BI Discoverer Viewer.

The issue has no workaround.

29.5.2 Error Displaying Page for Multiple SSO Users

When an Oracle Single Sign-On (SSO) user tries to view a worksheet from a List of Worksheets Portlet by using the same browser window that is already being used by an SSO user to view that worksheet, the second user sees the following error message: "The page cannot be displayed".

To work around this issue, start a new browser session and view the worksheet.

29.5.3 Inability to Disable the Display of Row Numbers

Oracle BI Discoverer Viewer no longer offers the ability to disable the display of row numbers in a tabular worksheet.

29.5.4 Issues with Oracle BI Discoverer Viewer Embedded in Frames

Users might see JavaScript errors such as "Access Denied" or other unexpected behavior when both of the following conditions are met:

- When Oracle BI Discoverer Viewer is embedded in an IFRAME tag.
- When the domain of the server that hosts the HTML page with the IFRAME tag is different from the domain of the Oracle BI Discoverer server that is running Oracle BI Discoverer Viewer.

Use one of the following workarounds for this issue:

- Run the Oracle BI Discoverer server and the server that hosts the HTML page with the IFRAME tag in the same domain.
- Alter the `Common2_2_20.js` file on the Oracle BI Discoverer server using the following steps:
 1. Use Fusion Middleware Control to stop all services on the middle tier for Oracle Business Intelligence.
 2. Make a backup copy of the `Common2_2_20.js` file from the following directory:


```
domain\servers\managed_
server\stage\discoverer\release\discoverer\discoverer.war\
cabo\jsLib
```

domain is the path of directory that contains the domain.

managed_server is the name of the managed server on which the Discoverer application is deployed.

release is the release number of Discoverer. For example, 11.1.1.1.0.
 3. Edit the `Common2_2_20.js` file and replace all occurrences of "parent._pprSomeAction" with "window._pprSomeAction".
 4. Use Fusion Middleware Control to start all services on the middle tier for Oracle Business Intelligence.
 5. Clear the browser cache on the client machine so that the new `Common2_2_20.js` file will be used.

29.5.5 Issue Exporting to PDF Under Certain Circumstances

If you are using Oracle BI Discoverer Viewer with Microsoft Internet Explorer, you might encounter an error message when you try to export to PDF a worksheet that is named with non-ASCII characters, a space, and a number. The export fails and you will see a message similar to the following one:

```
No %PDF- in a file header
```

Use one of the following methods to work around this issue:

- Use a browser other than Internet Explorer, such as one from Netscape or Mozilla.
- Remove the space between the non-ASCII characters and the number, or remove the number altogether.
- Continue to use Internet Explorer and leave the space in the worksheet name, but follow these steps:
 1. Start the Adobe Reader.
 2. From the **Edit** menu, choose **Preferences**, then click **Internet**.
 3. Clear the **Display PDF in browser** box.

29.5.6 Issue When Changing Colors for Oracle BI Discoverer Viewer in Fusion Middleware Control on Mac OS X

You can use Fusion Middleware Control to change the look and feel of Oracle BI Discoverer Viewer. That page contains a color chooser, or palette. If you use Fusion Middleware Control on Mac OS X with the Safari browser, then the page does not correctly enter the color code when you select a color from the palette.

To work around this issue, you can either use the Firefox browser or you can enter a color code directly.

The color codes are standard HTML hexadecimal color codes. You can enter one of the 49 colors that are available in the color palette, or you can enter any valid HTML hexadecimal color code.

The following list provides examples of colors with their codes:

white #FFFFFF
grey #CCCCCC
black #000000
pink #FFCCCC
red #FF0000
light yellow #FFFFCC
yellow #FFFF00
light green #99FF99
dark green #00CC00
light blue #66FFFF
dark blue #3333FF
lavender #FF99FF
purple #CC33CC

29.5.7 Discoverer Catalog Items Not Visible From UNIX Servers

You might encounter issues when trying to see items in the Discoverer Catalog when using Oracle BI Discoverer Viewer with OLAP data on UNIX servers.

You can resolve this issue on the middle-tier machine where Oracle BI Discoverer runs by performing the following steps.

To check whether the time zone variable is set:

1. Open a shell prompt.
2. Type `echo $TZ` to display the time zone setting.

If no value is displayed, then the time zone has not been set.

To set the time zone variable:

1. Open a shell prompt.

Note: The UNIX user that sets the TZ variable must be the same UNIX user that installed Oracle Business Intelligence.

2. If you do not know which shell you are using, type `$echo $SHELL` to display the name of the current shell.
3. Set the time zone as appropriate.

For example, to set the time zone variable for US/Pacific time:

- For the Bourne, Bash, or Korn shell, type `export TZ=US/Pacific`
- For the C shell, type `setenv TZ US/Pacific`

Note: Consult the shell documentation for the appropriate values.

29.5.8 Known Bug with JAWS Prevents Drilling Using the Enter Key

Oracle BI Discoverer can be used in conjunction with assistive technologies such as the JAWS screen reader. However, a bug in JAWS prevents the drilling feature from working correctly in Oracle BI Discoverer Viewer when querying a relational data source.

Assume that you use the keyboard to navigate to the drill icon beside an item in the worksheet header. When you press the `Enter` key to drill on that header item, the **Drill** page should be displayed as described in the "Worksheet Display page: (Page level tools and controls)" topic in the Help system and the *Oracle Fusion Middleware User's Guide for Oracle Business Intelligence Discoverer Viewer*.

However, when JAWS is running, the **Drill** page is not displayed. Instead, the **Drill** popup menu is displayed. It is not possible to select items from this popup menu by using the keyboard, and JAWS does not read the items on the popup menu.

This issue has no workaround.

29.5.9 JAWS Does Not Read Asterisks that Precede Fields

In Oracle BI Discoverer Viewer, an asterisk that precedes a text field indicates that the user is required to enter a value into that text field. The JAWS screen reader does not read an asterisk that precedes a required text field and does not otherwise indicate that the field is required.

This issue has no workaround.

29.5.10 Oracle BI Discoverer Viewer Pages are not Cached by Oracle Web Cache

When using Oracle BI Discoverer with Oracle Web Cache, note the following:

- When Oracle Single Sign-On is enabled, Oracle Web Cache does not cache Oracle BI Discoverer Viewer pages, regardless of whether they are accessed using a public connection or a private connection.
- If an Oracle BI Discoverer Viewer page is accessed directly through a URL and the URL contains URL parameters that specify login details (for example, user name, database name), then Oracle Web Cache does not cache the page. For example, Oracle Web Cache does not cache worksheet "Sheet 1" in workbook "Workbook 2" that is displayed by using the following URL:

```
http://<host.domain>:<port>/discoverer/viewer?us=video5&db=db1&eul=VIDEO05&wbk=Workbook+2&ws=Sheet+1
```

Note: In the example above, `us=` specifies the database user name, and `db=` specifies the database name.

However, Oracle Web Cache does cache worksheet "Sheet 1" in workbook "Workbook 2" if a user logs in manually to Oracle BI Discoverer Viewer by using the same login details, and navigates to the worksheet.

- You must increase the delays for Oracle BI Discoverer Viewer by at least 60 seconds for Oracle BI Discoverer Viewer to properly cache workbooks with Oracle Web Cache.

For more information, see "How to configure Discoverer Viewer to enable maximum caching" in the *Oracle Fusion Middleware Configuration Guide for Oracle Business Intelligence Discoverer*.

29.6 Issues Specific to Oracle BI Discoverer EUL Command Line for Java

This section describes issues that are specific to Oracle BI Discoverer EUL Command Line for Java.

29.6.1 Issue with Exported Non-ASCII Data

When you export multibyte or Eastern European data (such as the names of items and business areas in Japanese or Russian characters) from Oracle BI Discoverer EUL Command Line for Java on a platform other than Windows, the exported data is corrupted.

To work around this issue, edit the `discwb.sh` file that is located in the `ORACLE_HOME/discoverer` directory before exporting. Change the character set value in the `NLS_LANG` variable to UTF8.

For example, if the original setting of the variable is:

```
NLS_LANG="GERMAN_GERMANY.WE8ISO8859P1"
```

Change the setting to:

```
NLS_LANG="GERMAN_GERMANY.UTF8"
```

29.7 Issues Specific to Oracle BI Discoverer Administrator

This section describes issues that are specific to Oracle BI Discoverer Administrator. It includes the following topic:

- [Section 29.7.1, "Issue with Installation of Video Stores Tutorial"](#)

29.7.1 Issue with Installation of Video Stores Tutorial

Before installing the video stores tutorial in Oracle Database 10g Enterprise Edition Release 2 (version 10.2.0.1 and higher), you must manually create the VIDEO5 user. If you attempt to install the video stores tutorial in Oracle Database 10g Enterprise Edition Release 2, then the installation will fail if the VIDEO5 user does not already exist. To work around this issue:

1. Create the VIDEO5 user manually by completing these steps:
 - a. Access Oracle Database 10g with SQL*Plus, Enterprise Manager, or any SQL command line tool.
 - b. Create the VIDEO5 user.
 - c. Grant CONNECT and RESOURCE privileges to the VIDEO5 user.

For more information about creating users and granting privileges, see the *Oracle Database SQL Reference* or your DBA

2. Connect to Discoverer Administrator as the EUL owner and install the tutorial. You must enter the VIDEO5 user password during installation.

For information about installing the video stores tutorial, see the *Oracle Fusion Middleware Administrator's Guide for Oracle Business Intelligence Discoverer*.

This chapter describes issues associated with Oracle Forms. It includes the following topics:

- Section 30.1, "General Issues and Workarounds"
- Section 30.2, "Configuration Issues and Workarounds"
- Section 30.3, "Documentation Errata"

30.1 General Issues and Workarounds

This section describes general issues and workarounds. It includes the following topics:

- Section 30.1.1, "Backwards Compatibility with Earlier Releases"
- Section 30.1.2, "Linux/UNIX Issues and Workarounds"

30.1.1 Backwards Compatibility with Earlier Releases

For information about upgrading from Forms *6i*, see the "Upgrading to Oracle Forms Services 11g" chapter in *Oracle Fusion Middleware Forms Services Deployment Guide*. For information about changed or obsolete features, see the *Oracle Forms Upgrading Oracle Forms 6i to Oracle Forms 11g Guide*.

For upgrading from Oracle Forms 10g and prior releases, you can use the Upgrade Assistant. For more information, see the *Oracle Fusion Middleware Upgrade Planning Guide* and *Oracle Fusion Middleware Upgrade Guide for Oracle Portal, Forms, Reports, and Discoverer*.

Additional information about backwards compatibility is included in My Oracle Support Note 113987.1 at: <http://myoraclesupport.oracle.com>

Regardless from which version of Oracle Forms you are upgrading, you will need to recompile your applications and restart Oracle Forms.

Before restarting the Oracle WebLogic managed server, all the JVM Controller processes (dejvm) started by that server must be stopped. Otherwise, WLS_FORMS will not restart after a shutdown.

When two Oracle instances with Forms Services are configured, using a single ORACLE_HOME on a Windows machine, then the FORMS_ORACLE_INSTANCE registry entry of the second ORACLE_INSTANCE takes precedence. It is recommended that the Forms Builder component is configured in the second ORACLE_INSTANCE.

30.1.2 Linux/UNIX Issues and Workarounds

This section describes issues related to Oracle Forms and Linux/UNIX. It includes the following topics:

- [Section 30.1.2.1, "LD_PRELOAD Setting Required for Signal Chaining Facility"](#)
- [Section 30.1.2.2, "Check the Reports Engine Logs for FRM-41214"](#)
- [Section 30.1.2.3, "Changing User Permissions"](#)

30.1.2.1 LD_PRELOAD Setting Required for Signal Chaining Facility

The `LD_PRELOAD` setting in `default.env` is required for the working of signal chaining facility in JVM version 1.5 and later. If you are creating or using other environment files, the setting in the environment file for `LD_LIBRARY_PATH` and `LD_PRELOAD` must be the same as in `default.env`.

30.1.2.2 Check the Reports Engine Logs for FRM-41214

If you encounter the Forms error FRM-41214:Unable to run report when trying to run Reports from a Forms session, check the Reports engine logs for more details on the error.

30.1.2.3 Changing User Permissions

The 11g installation sets the permissions of the files so that only the user who installed 11g can run the executables. For more information, refer to *Installing as a Non-Default User on Unix Operating Systems* in Oracle Fusion Middleware Forms and Reports System Requirements and Specifications guide.

30.2 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 30.2.1, "Non-Internet Explorer Browser Proxy Settings when Using One-Button-Run"](#)
- [Section 30.2.2, "WebUtil Client Files Allow Configuration of Destination Directory"](#)
- [Section 30.2.3, "webutil.properties Files Renamed for Different Libraries"](#)
- [Section 30.2.4, "Forms does not Work with JDK 1.6.0_12 on Client with WinRunner"](#)
- [Section 30.2.5, "JavaScript Communication Does not Work in IE for Framed HTML File"](#)
- [Section 30.2.6, "JavaScript Events Calling Forms Applications in a Safari 5 Browser Do not Work"](#)

30.2.1 Non-Internet Explorer Browser Proxy Settings when Using One-Button-Run

If you encounter a FORBIDDEN error when using One-Button-Run with any of the supported browsers other than Internet Explorer, verify if 127.0.0.1 (localhost) is in the proxy settings for your browser. If 127.0.0.1 is not in the exceptions list, then add it. This ensures that the browser will bypass the proxy server.

30.2.2 WebUtil Client Files Allow Configuration of Destination Directory

WebUtil downloads `install.syslib` libraries into the `bin` directory of the JRE or JVM on Windows and into the `lib` directory of JRE on Linux. This location can be specified in the parameter `install.syslib.location.client.<OS> = <Path on client machine>` (where `<Path on client machine>` represents the path to the location where libraries used on the client by WebUtil are stored and is either absolute or relative to client user home) in `webutil.cfg`.

30.2.3 webutil.properties Files Renamed for Different Libraries

When `install.syslib` libraries are downloaded, WebUtil creates the `webutil.properties` file which is located in the client user home. Different `webutil.properties` files are maintained on client side to allow different servers to download and manage their libraries on client. The files are named `webutil.<HOST>.<CONFIG>.properties` on the client, where `HOST` is the server computer name and `CONFIG` is the name of configuration section in `formsweb.cfg`.

30.2.4 Forms does not Work with JDK 1.6.0_12 on Client with WinRunner

Forms does not run when using JDK 1.6.0_12 and later versions on a client that also has WinRunner installed.

As a workaround, rename the two environment variables `_JAVA_OPTIONS` and `JAVA_TOOLS_OPTIONS`. For example, rename them to `test_JAVA_OPTIONS` and `test_JAVA_TOOLS_OPTIONS`. This will disable WinRunner but allows Forms to run.

30.2.5 JavaScript Communication Does not Work in IE for Framed HTML File

JavaScript communication does not work in framed HTML file that is opened in Internet Explorer 7, or in Internet Explorer 8 with `file://` protocol.

As a workaround, use the IP address instead of the machine name in the URL for the frame. For example in `testform.htm`, change:

```
<frame noresize="noresize"
src="http://testform.us.example.com:8888/forms/java/js2frm1.html" name="fr2"
frameborder="0">
  <frame noresize="noresize"
src="http://testform.us.example.com:8888/forms/frmservlet?play=&record=forms&
form=js2frm1&userid=scott/tiger@adt10220" name="fr1" frameborder="0">
```

to

```
<frame noresize="noresize"
src="http://<IP address>:8888/forms/java/js2frm1.html" name="fr2"
frameborder="0">
  <frame noresize="noresize"
src="http://<IP address>:8888/forms/frmservlet?play=&record=forms&form=js2fr
m1&userid=scott/tiger@adt10220" name="fr1" frameborder="0">
```

30.2.6 JavaScript Events Calling Forms Applications in a Safari 5 Browser Do not Work

When using JavaScript integration with a Forms application in a Safari 5 browser on Windows, the communication from Forms to JavaScript running in the browser works; however, the calls to the applet from JavaScript do not work.

As a workaround, perform the following:

1. Ensure you are using base.htm.
2. In base.htm, delete the <NOSCRIPT></NOSCRIPT> tags that are wrapping the <APPLET> tag.

30.3 Documentation Errata

This section describes documentation errata. It includes the following topics:

- [Section 30.3.1, "Passing userid in Secure Mode"](#)
- [Section 30.3.2, "JDAPI Programming Example"](#)
- [Section 30.3.3, "Changes and workarounds affecting the number of characters that can be typed into an item"](#)

30.3.1 Passing userid in Secure Mode

The following information on passing userid in secure mode must be added to Oracle Forms Builder online help.

Passing userid as an argument when using the Forms compiler (frmcmp or frmcmp_batch) may lead to security risks. In addition to the interactive dialog mode already available, the compiler can now accept the connect string via standard input. To pass the userid in a secure mode, perform the following:

1. Set the environment variable FORMS_STDIN_PASSWORD to 1.
2. Run the compiler without any connect string. Enter the connect string after the compiler has started.
3. Run the compiler using redirection to pass the password to the compiler. (This is especially useful in compiling several Forms in a script.) For example:

```
#!/bin/sh
echo "Enter userid"
read -s myuserid
for i in `ls *.fmb`
do
echo Compiling Form $i ....
frmcmp_batch.sh batch=yes module=$i module_type=form compile_all=yes <<<
"$myuserid"
done
```

Note that this script is a sample that tries to protect the password, but on some platforms and configurations it may still lead to security risks.

30.3.2 JDAPI Programming Example

The JDAPI Programming Example in the Forms Developer Online Help must be updated to the following code:

```
import java.io.File;
import java.io.PrintWriter;
import java.io.FileWriter;
import java.text.MessageFormat;

import oracle.forms.jdapi.*;

/**
 * Dumps passed forms JdapiObjects to an output stream as text.
 *
 * Set command line options for more output, else only the
```

```
* basic form tree structure will be dumped.
*
* See printUsage for command line options.
*/
public class FormDumper
{
/**
* Need this to parse the command line options
*
* The string represents valid command options as detailed in the
* Getopt class
*/

boolean m_dumpAllProps = false;
boolean m_dumpBoolProps = false;
boolean m_dumpNumProps = false;
boolean m_dumpTextProps = false;
boolean m_dumpPropNames = false;
String m_dumpPath = null;
/**
* Output stream, default to STDOUT */
private PrintWriter m_out = new PrintWriter(System.out, true);

/**
* Use this to indent children
*/
private String m_indentation = "";

/**
* Constructor
*/
public FormDumper()
{

}

/**
* Special constructor that does not take command line arguments.
*
* @param out The output writer where to send dump information.
*/
public FormDumper(PrintWriter out)
{
m_out = out;
m_dumpAllProps = true;
m_dumpBoolProps = true;
m_dumpNumProps = true;
m_dumpTextProps = true;
m_dumpPropNames = true;
}

/**
* Set the dump path.
*
* @param path The file where the dumper must send the information
*/
public void setDumpPath(String path)
{
m_dumpPath = path;
}
}
```

```
/**
 * Indirect output
 */
public void println(String s)
{
    m_out.println(s);
}

/**
 * Dump a form to the output stream
 */
public void dumpForm(String filename)
    throws Exception
{
    FormModule fmb = FormModule.open(filename);
    System.out.println("Dumping module " + fmb.getName());

    if (m_dumpPath != null)
    {
        // use this form's FILE name to name the dump file
        String thisFormName = new File(filename).getName();
        thisFormName = thisFormName.substring(0, (thisFormName.length()-4));
        StringBuffer dmpFilename = new StringBuffer();
        dmpFilename.append(m_dumpPath);

        if (!dmpFilename.toString().endsWith("/"))
        {
            dmpFilename.append("/");
        }
        dmpFilename.append(thisFormName);

        m_out = new PrintWriter(new FileWriter(dmpFilename.toString()), true);
    }

    // Call the actual 'dump' method
    dump(fmb);

    // Dump the coordinate system used by the module
    m_indentation = " ";
    dump(new Coordinate(fmb));
    m_indentation = "";
    println("Dumped " + fmb.getName());

    // Close the module
    fmb.destroy();
}

/**
 * Recursively dump a forms JdapiObject and its children to the output stream
 */
protected void dump(JdapiObject jo)
{
    String className = jo.getClassName();

    // print out a context line for the JdapiObject
    // If it is a coordinate system, it does not have a name

    if(className.equals("Coordinate"))
    {
```

```

println(m_indentation + "Coordinate System ");
}
else
{
println(m_indentation + className + " " + jo.getName());
}

// Property classes need special treatment
if(className.equals("PropertyClass"))
{
dumpPropertyClass((PropertyClass)jo);
}
else // Generically dump the required property types only
{
if (m_dumpTextProps)
{
dumpTextProps(jo);
}
if (m_dumpBoolProps)
{
dumpBoolProps(jo);
}

if (m_dumpNumProps)
{
dumpNumProps(jo);
}
// Additionally, dump any Item list elements
if(className.equals("Item"))
{
dumpListElements((Item)jo);
}
}

// use Form's metadata to get a list of all the child JdapiObjects this
JdapiObject can have
JdapiMetaObject meta = JdapiMetadata.getJdapiMetaObject(jo.getClass());
JdapiIterator props = meta.getChildObjectMetaProperties();
JdapiMetaProperty prop = null;
JdapiIterator iter = null;
JdapiObject child = null;

// loop through every possible kind of child JdapiObject this JdapiObject
//can have
while(props.hasNext())
{
prop = (JdapiMetaProperty)props.next();
// only bother if we can access these JdapiObjects
if(!prop.allowGet())
{
continue;
}

// get the actual values for the current child JdapiObject type,
// e.g. get the Items on a Block
iter = jo.getChildObjectProperty(prop.getPropertyId());

// null is returned if there are no property values
if(iter != null)
{

```

```
// loop over every child value
while(iter.hasNext())
{
child = (JdapiObject)iter.next();
// recursively navigate to it
m_indentation += " ";
dump(child);
if(m_indentation.length()>2)
m_indentation = m_indentation.substring(0, m_indentation.length()-2)
;
}
}
}
}
/**
 * Dump list elements
 *
 * The JdapiObject is an item; if it is a list item,
 * dump the list elements.
 *
 * @param item
 */
private void dumpListElements(Item item)
{
if( item.getItemType() == JdapiTypes.ITTY_LS_CTID)
{
if (m_dumpPropNames)
{
println(m_indentation + "dumping list elements");
}
for(int i = 1; i <= item.getListElementCount(); i++)
{
String label = item.getElementLabel(i);
String value = item.getElementValue(i);
println( m_indentation + " " + i + ": '" + label + "' '" + value + "'");
}
}
}
/**
 * Dump the property class properties
 */
private void dumpPropertyClass(PropertyClass pc)
{
String propertyVal = null;

// test for every single possible property
// this is a bit hacky :)
for(int propertyId = 1; propertyId < JdapiTypes.MAXIMUM_PTID; ++propertyId)
{
if(!pc.hasProperty(propertyId))
{
continue; // this property is not in the set
}
if(pc.hasDefaultedProperty(propertyId) && !m_dumpAllProps)
{
continue;
}
Class pt = JdapiMetaProperty.getPropertyType(propertyId);
if(pt == Boolean.class)
{
```

```

if(m_dumpBoolProps)
{
propertyVal = String.valueOf(pc.getBooleanProperty(propertyId));
}
}
else if(pt == Integer.class)
{
if(m_dumpNumProps)
{
propertyVal = String.valueOf(pc.getIntegerProperty(propertyId));
}
}
else if(pt == String.class)
{
if(m_dumpTextProps)
{
propertyVal = pc.getStringProperty(propertyId);
}
}
if(null != propertyVal)
{
if (m_dumpPropNames)
{
println(m_indentation + " " + JdapiMetaProperty.getPro
pertyName(propertyId) + " " +
propertyVal);
}
else
{
println(m_indentation + propertyVal);
}
propertyVal = null;
} // End loop over every property
}
/**
 * Dump the source JdapiObject text properties
 */
private void dumpTextProps(JdapiObject jo)
{
JdapiMetaObject meta = JdapiMetadata.getJdapiMetaObject(jo.getClass());
JdapiIterator props = meta.getStringMetaProperties();
// for each text property
while(props.hasNext())
{
JdapiMetaProperty prop = (JdapiMetaProperty) props.next();
int propertyId = prop.getPropertyId();
String propertyVal = null;
try
{
propertyVal = jo.getStringProperty(propertyId);
}
catch(Exception e)
{
println(m_indentation + "Could_not_get_property " +
JdapiMetaProperty.getPropertyName(propertyId));
continue;
}
if ( jo.hasProperty(propertyId)
&& (m_dumpAllProps || !(jo.hasDefaultedProperty(propertyId)) ) )

```

```
{
  if(m_dumpPropNames)
  {
    println( m_indentation + " " + JdapiMetaProperty.
    getPropertyName(propertyId) + " " +
    propertyVal);
  }
  else
  {
    println(m_indentation + propertyVal);
  }
}
}
}
/**
 * Dump the source JdapiObject boolean properties
 */
private void dumpBoolProps(JdapiObject jo)
{
  JdapiMetaObject meta = JdapiMetadata.getJdapiMetaObject(jo.getClass());
  JdapiIterator props = meta.getBooleanMetaProperties();
  // for each boolean property
  while(props.hasNext())
  {
    JdapiMetaProperty prop = (JdapiMetaProperty) props.next();
    int propertyId = prop.getPropertyId();
    boolean propertyVal = false;
    try
    {
      propertyVal = jo.getBooleanProperty(propertyId);
    }
    catch(Exception e)
    {
      println(m_indentation + "Could_not_get_property " +
      JdapiMetaProperty.getPropertyName(propertyId));
      continue;
    }
    if ( jo.hasProperty(propertyId)
    && (m_dumpAllProps) )
    {
      if(m_dumpPropNames)
      {
        println(m_indentation + " " + JdapiMetaProperty.
        getPropertyName(propertyId) + " " +
        propertyVal);
      }
      else
      {
        println(m_indentation + propertyVal);
      }
    }
  }
}
/**
 * Dump the source JdapiObject numeric properties
 */
private void dumpNumProps(JdapiObject jo)
{
  JdapiMetaObject meta = JdapiMetadata.getJdapiMetaObject(jo.getClass());
  JdapiIterator props = meta.getIntegerMetaProperties();
```



```

// for each numeric property
while(props.hasNext())
{
JdapiMetaProperty prop = (JdapiMetaProperty) props.next();
int propertyId = prop.getPropertyId();
int propertyVal = 0;
try
{
propertyVal = jo.getIntegerProperty(propertyId);
}
catch(Exception e)
{
println(m_indentation + "Could_not_get_property " +
JdapiMetaProperty.getPropertyName(propertyId));
continue;
}
if ( jo.hasProperty(propertyId)
&& (m_dumpAllProps || !(jo.hasDefaultedProperty(propertyId)) ) )
{
if (m_dumpPropNames)
{
println(m_indentation + " " + JdapiMetaProperty.getPropertyName(prop
ropertyId) + " " +
propertyVal);
}
else
{
println(m_indentation + propertyVal);
}
}
}
}
/**
 * Output usage info to STDOUT
 */
public void printUsage()
{
System.out.println("");
System.out.println("Jdapi Form Dumper Utility");
System.out.println("Valid arguments:");
System.out.println("-a : dump all properties, not just overridden ones");
System.out.println("-b : dump boolean properties");
System.out.println("-n : dump numeric properties");
System.out.println("-t : dump text properties");
System.out.println("-p : dump property names, not just values");
System.out.println("-o : file path to output to");
}
/**
 * Main method
 */
public static void main(String[] args)
throws Exception
{
FormDumper dmp = new FormDumper();
for (int i = 0; i < args.length; i++)
{
dmp.dumpForm(args[i]);
}
System.out.println("");
System.out.println("Dumps complete");
}

```

```
System.out.println("");  
}  
}
```

30.3.3 Changes and workarounds affecting the number of characters that can be typed into an item

The following information must be added to Oracle Forms Builder online help.

1. When a form is created using the Form builder (frmbl), the item property Query Length defaults to zero. When the form was compiled in releases prior to 11g, this value (zero) caused the Query Length to default to the value of the Maximum Length property. In Oracle Forms 11g, the Query Length defaults to two plus the value of the Maximum Length property. If the behavior of prior releases is desired, then you must set the environment variable `FORMS_QUERY_LENGTH_DELTA` to '0' when the form is compiled.
2. The DATE format masks determine the number of characters that can be typed into a text item or combo box. In general, this number is the maximum of the number of characters required for the "output" format mask and for any allowable "input" format mask. Refer to "About Format Elements for Dates" for information about how "input" and "output" format masks are selected for a combo box, or for a text item whose format mask is not set. Note that the `FORMS_USER_DATE_FORMAT` or `FORMS_USER_DATETIME_FORMAT` environment variable may specify multiple input format masks. Also note that for any input format mask that does not contain FX, alternate format masks are also allowable, as documented in "String-to-Date Conversion Rules" in section "Format Models" in the SQL Reference in the Oracle Forms Builder Online Help.

Note one exception to the rules spelled out above. The behavior described in "String-to-Date Conversion Rules" allow a fully spelled-out month to be entered in place of a numeric month (MM form mask element) or abbreviated month (MON form mask element). However, in this case, the number of characters that can be typed into a text item or combo box allows only enough room for an abbreviated month.

Prior to 11gR1, input DATE format masks were not taken into account. In 10gR2 (10.1.2), the number of characters the end user was allowed to type into a DATE item was determined solely from the output format mask. In Forms 6i (6.0.8), the Maximum Length property of the DATE item was also taken into account.

Workarounds

The changes in behavior documented above may affect users who have set the Auto-Skip property for a DATE item. The end user may now be allowed to type more characters into a specific DATE item, in which case auto-skip will not occur in cases where it did occur prior to 11gR1. To ensure that auto-skip occurs, add the FX modifier to the format mask that will be used for the item, for example, FXYYYY/MM/DD. If there is no item-specific format mask (that is, no format mask is set either in the item's property palette or programmatically), then the item's format mask will be derived from environment variables. The `FORMS_USER_DATE_FORMAT` and `FORMS_USER_DATETIME_FORMAT` environment variables are recommended as they take precedence over any NLS environment variables that might affect DATE format masks.

Note that specifying the FX modifier will disallow the alternate format masks that are documented in "String-to-Date Conversion Rules" in section "Format Models" of the

SQL Reference. Also note that the `FORMS_USER_DATE_FORMAT` and `FORMS_USER_DATETIME_FORMAT` environment variables can explicitly specify alternate format masks, separated by vertical bars, for example, `FXDD-MON-YYYY|FXMON-DD-YYYY`. [If the `FORMS_OUTPUT_DATE_FORMAT` and `FORMS_OUTPUT_DATETIME_FORMAT` environment variables are not set, the output format masks are derived from the first format mask specified in each of the `FORMS_USER_DATE_FORMAT` and `FORMS_USER_DATETIME_FORMAT` environment variables.]

This chapter describes issues associated with Oracle Reports. It includes the following topics:

- [Section 31.1, "General Issues and Workarounds"](#)

31.1 General Issues and Workarounds

This section describes general issue and workarounds. It includes the following topic:

- [Section 31.1.1, "Mapping Users and Roles to Reports Application"](#)
- [Section 31.1.2, "Reports Weblayout not Supported on SUSE 10"](#)

31.1.1 Mapping Users and Roles to Reports Application

In Oracle Fusion Middleware 11g Release 1 (11.1.1.3.0) installations, roles and users are not added to the Reports application, by default. To run a report using JPS security, you must add roles and users to the Reports application.

For more information, see:

- "Managing Application Roles" in the *Oracle Fusion Middleware Security Guide*
- "Managing Users and Security Policies" in the Oracle Fusion Middleware *Publishing Reports to the Web with Oracle Reports Services* manual

31.1.2 Reports Weblayout not Supported on SUSE 10

As Mozilla Firefox is not supported on SUSE 10, Reports WebLayout is not certified with SUSE 10.

This chapter describes issues associated with Oracle Portal. It includes the following topics:

- [Section 32.1, "Before You Begin"](#)
- [Section 32.2, "General Issues and Workarounds"](#)
- [Section 32.3, "Upgrade Issues and Workarounds"](#)
- [Section 32.4, "Interoperability Issues and Workarounds"](#)
- [Section 32.5, "User Interface Issue and Workaround"](#)
- [Section 32.6, "Export and Import Issues and Workarounds"](#)
- [Section 32.7, "Portlet and Provider Issues and Workarounds"](#)
- [Section 32.8, "PDK Issue and Workaround"](#)
- [Section 32.9, "Globalization Support Issues and Workarounds"](#)

32.1 Before You Begin

In addition to the known problems and workarounds described in this document, Oracle recommends that you read the My Oracle Support note 834615.1 - *Oracle Fusion Middleware 11g Portal (11.1.1) Support Status and Alerts*. This article contains known issues that were discovered after the release of Oracle Portal 11g Release 1 (11.1.1).

32.2 General Issues and Workarounds

This section describes general issues and workarounds. It includes the following topics:

- [Section 32.2.1, "Editing a Database Link Requires Password"](#)
- [Section 32.2.2, "Moving Content When Approval Is Enabled Does Not Require Approval"](#)
- [Section 32.2.3, "Firefox and Safari Browsers Do Not Display Tooltips on Oracle Portal Screens"](#)
- [Section 32.2.4, "Non-ASCII URLs Cannot be Decoded in Some Scenarios"](#)
- [Section 32.2.5, "Adding a Zip File with a Non-ASCII Character Name"](#)
- [Section 32.2.6, "Manual Changes to Oracle Portal Default Schema Objects"](#)
- [Section 32.2.7, "Error When Creating RCU Portal Schema"](#)

- [Section 32.2.8, "Portal Throws Discoverer Provider is Busy Error Message"](#)
- [Section 32.2.9, "Error When Adding Sample RSS Portlets to a Page"](#)
- [Section 32.2.10, "Internal Error when Using Portal Search With Oracle Text Enabled to Search for Pages"](#)
- [Section 32.2.11, "Issue After Creating a Oracle Portal Schema"](#)
- [Section 32.2.12, "Updating Database Tables"](#)

32.2.1 Editing a Database Link Requires Password

If the database where the portal schema is installed is version 10.2 or later, then users must re-enter the remote user's password when they rename or edit a database link from the Portal Navigator's Database Objects tab. This is applicable only for those database links that are created with the **Specific User** option.

32.2.2 Moving Content When Approval Is Enabled Does Not Require Approval

Moving content between pages or between regions of the same page does not trigger approvals. For example, when a target page is configured with an approval process and a contributor moves content from a source page to the target page, the moved content does not trigger the approval process on the target page, even when approval is required for all users.

32.2.3 Firefox and Safari Browsers Do Not Display Tooltips on Oracle Portal Screens

Firefox and Safari browsers do not support the display of tooltip text, which is set using the ALT attribute for image descriptions.

As a workaround, you can download and install browser-specific add-ons, such as Popup ALT Attribute for Firefox (see <https://addons.mozilla.org/en-US/firefox/addon/1933>).

32.2.4 Non-ASCII URLs Cannot be Decoded in Some Scenarios

If the JVM default character encoding is set to ISO8859-1, the Portal repository database character set must match with the JVM default character encoding. If this condition is not satisfied, non-ASCII URLs may become inaccessible.

32.2.5 Adding a Zip File with a Non-ASCII Character Name

If you are adding a zip file to a page under a pagegroup using non-ascii character name, and when you unzip the file, it throws the following exception:

```
IllegalArgumentException: null and unzip will be failed.
```

To avoid this exception, you must use ascii character as the zip file name.

32.2.6 Manual Changes to Oracle Portal Default Schema Objects

Any manual changes to Oracle Portal default objects, such as tables, views, packages, or indexes are not supported. Such changes may render Oracle Portal unusable. Note that the internal structure of Portal objects can change between versions.

For more information, see the 403179.1 My Oracle Support note.

32.2.7 Error When Creating RCU Portal Schema

If RCU portal schema creation fails with the error message ORA-24246: empty access control list (ACL) not allowed, do the following:

1. Connect to the database as a SYS user.
2. At the SQL prompt, run the following command:

```
BEGIN
    DEMS_NETWORK_ACL_ADMIN.drop_acl (
        acl          => '/sys/acls/portal-permissions.xml');
    COMMIT;
END;
/
```

32.2.8 Portal Throws Discoverer Provider is Busy Error Message

Portal throws an error message The Discoverer Provider is busy, please try again later. This occurs when you perform the following steps:

1. Click **Edit Portlet** defaults
2. Click **Update for Database** section
3. Change selection for **User not logged** sub-section
4. Click **Next** to fetch worksheet list

Workaround

To workaround this issue perform the following steps:

1. Add `stall` timeout to `$DOMAIN_HOME/servers/WLS_PORTAL/stage/portal/portal/configuration/appConfig.xml`
For example: `<stall>200</stall>`
2. Restart WebLogic Server Portal

32.2.9 Error When Adding Sample RSS Portlets to a Page

When you try to add the sample Scrolling RSS Portlet or the sample Simple RSS portlet to a Portal page, an error message is displayed.

The error occurs because the RSS used by the sample portlets are no longer available.

Currently, there is no workaround for this problem.

32.2.10 Internal Error when Using Portal Search With Oracle Text Enabled to Search for Pages

If you have Oracle Text enabled, the following internal server error may occur when you are searching for Pages:

```
Internal error (WWC-00006)
An unexpected error has occurred (WWS-32100)
Unknown Exception (WWC-45131)
User-Defined Exception (WWV-11230)
Unexpected error - ORA-00600: internal error code, arguments:
[qkeIsExprReferenced1], [], [], [], [], [], [], [] (WWC-35000)
```

If this error occurs, you must download and install the patch ID 7041059 from <https://support.oracle.com/>

32.2.11 Issue After Creating a Oracle Portal Schema

After creating the Oracle Portal schema, you may get the following error:

```
checkinstall2=Add ACL for network packages if DB is 11.1 or higher...
old 4:      schema varchar2(2000)      := upper('&&1');
new 4:      schema varchar2(2000)      := upper('CLASSIC17_PORTAL');
Package DBMS_NETWORK_ACL_ADMIN exists, assign ACL if not already assigned
Removing dangling principals,if any from the ACL privilege list ...
ERROR: when assigning network ACL
declare
*
ERROR at line 1:
ORA-24246: empty access control list (ACL) not allowed
ORA-06512: at "SYS.DBMS_NETWORK_ACL_ADMIN", line 421
ORA-06512: at line 1
ORA-01403: no data found
ORA-06512: at line 83
```

To fix this error, you must create a schema with a different prefix, and then run the following command to clean out the dangling ACL:

```
begin
DBMS_NETWORK_ACL_ADMIN.DELETE_PRIVILEGE('portal-permissions.xml','PREFIX_PORTA
L');
end;
```

PREFIX_PORTAL is replaced with the schema prefix used in the schema that was dropped.

You must run the Repository Creation Utility to install the new schema.

32.2.12 Updating Database Tables

In Oracle Portal database object, if you insert one row data which has MB character and then update the row, the update will not work. You must manually update the table and view in the database to avoid this issue and update the table and view successfully.

32.3 Upgrade Issues and Workarounds

This section describes the upgrade issues and workarounds. It discusses the following topics:

- [Section 32.3.1, "Upgrading Portal 10g SSL Environment to Oracle Portal 11g Release 1 \(11.1.1\)"](#)

32.3.1 Upgrading Portal 10g SSL Environment to Oracle Portal 11g Release 1 (11.1.1)

When you upgrade SSL environment from Oracle Portal 10g to Oracle Portal 11g Release 1 (11.1.1), you will not be able to login to Oracle Portal, when you have SSO and Portal Midtier on the same hostname. Internet Explorer has a problem redirecting back and forth on the same hostname between two different ports under SSL mode. As a workaround, you can use Mozilla Firefox.

32.4 Interoperability Issues and Workarounds

This section describes the interoperability issues and workarounds. It discusses the following topics:

- [Section 32.4.1, "Interoperability Between Oracle Portal 11g Release 1 \(11.1.1\) with Secured Enterprise Search \(SES\) 10.1.8.3"](#)
- [Section 32.4.2, "Interoperability Between Oracle Portal 11g Release 1 \(11.1.1\) with Secured Enterprise Search \(SES\) 10.1.8.4"](#)
- [Section 32.4.3, "Creating Webproviders in the Oracle Portal 11g Release 1 \(11.1.1\) Midtier Interoperability with Oracle Portal Repository 10g Release"](#)

32.4.1 Interoperability Between Oracle Portal 11g Release 1 (11.1.1) with Secured Enterprise Search (SES) 10.1.8.3

For this interoperability scenario to work, you must download and install the patch ID 7685124 from <https://support.oracle.com/> and see note 816929.1 in My Oracle Support.

32.4.2 Interoperability Between Oracle Portal 11g Release 1 (11.1.1) with Secured Enterprise Search (SES) 10.1.8.4

For this interoperability scenario to work, you must download and install the patch ID 7971335 from <https://support.oracle.com/>

32.4.3 Creating Webproviders in the Oracle Portal 11g Release 1 (11.1.1) Midtier Interoperability with Oracle Portal Repository 10g Release

In Portal 11g 1 (11.1.1), you cannot create webproviders when you are using 11g midtier with 10g portal repository.

32.5 User Interface Issue and Workaround

This section describes issue and workaround related to the Oracle Portal user interface. It includes the following topic:

Cannot Set Privileges Using List View on Pages Inheriting Privileges from Parent or Template

If you use the List View to set access privileges for one or more pages, then privileges will *not* be set on pages inheriting privileges from a parent page or template. As a workaround, change the privileges for such pages individually, that is, using the Access tab for the subpage.

32.6 Export and Import Issues and Workarounds

This section describes issues and workarounds related to export and import in Oracle Portal. This section includes the following topics:

- [Section 32.6.1, "Export and Import Does Not Support Reports Server Components"](#)
- [Section 32.6.2, "Saving the Transport Set"](#)
- [Section 32.6.3, "Error when importing a page group"](#)

32.6.1 Export and Import Does Not Support Reports Server Components

If you include Reports Server Components within a transport set, then they are deleted on export and import. In addition, do not configure the Oracle Reports item type in any page groups intended for export and import. If you do, then the following error is displayed when you try to configure item types in the imported page group (by clicking the Content Type and Classifications **Edit** link on the Configure tab for the page group):

```
Internal error (WWC-00006)
Unexpected error - User-Defined Exception (WWC-35000)
Unexpected error - ORA-01403: no data found (WWC-35000)
```

32.6.2 Saving the Transport Set

After you complete the transport set transfer, click **Display Manifest** to display the transport set manifest. Ensure that you save the transport set before performing the precheck of the transferred data. This step takes the manifest changes.

32.6.3 Error when importing a page group

Importing a page group may fail with the following error message:

```
[Error: (WWU-80338)] context = Schema Validation user =
ORCLADMIN There were some inconsistencies found and hence import process is
aborted.Check the debug log for further details.Fix those inconsistencies, by
running schema validation in cleanup mode to proceed
```

This problem might occur after deleting a page group containing shared portlets. You must run SVU in cleanup mode to ensure a smooth export or import process.

32.7 Portlet and Provider Issues and Workarounds

This section describes issues and workarounds related to OmniPortlet, Web Clipping, Simple Parameter Form, Page portlet, and WSRP providers. This section includes the following topics:

- [Section 32.7.1, "Issue When Accessing Page Portlet Using Federated Portal Adapter"](#)
- [Section 32.7.2, "Error in JPS Portlet After Redeployment"](#)
- [Section 32.7.3, "SSL Support for Oracle Portal Integration Solutions \(Microsoft Exchange\)"](#)

32.7.1 Issue When Accessing Page Portlet Using Federated Portal Adapter

The Federated Portal Adapter enables you to display remote portal pages in your portal. However, if both portal instances do not share the same Oracle Single Sign-On server, then you cannot display a remote portal page as a page portlet, even if the remote page is public. A message is displayed instead of the page portlet, as shown in the following example:

```
Portlet 257,75057 responded with content-type text/plain when the client was
requesting content-type text/html
```

As a workaround, configure both portal instances to use the same Oracle Single Sign-On server.

32.7.2 Error in JPS Portlet After Redeployment

When you redeploy your portlets to the portlet container, all existing sessions between the producer and all of its consumers are lost. If a consumer tries to reuse an existing producer session, then it may receive an error message the first time it tries to contact the producer after redeployment, as shown in the following example:

```
Error: Could not get markup. The cookie or session is invalid or there is a
runtime exception.
```

To reestablish the producer's session, refresh the portal page. You will not see this error message if you are reaccessing the portlet from a new browser session because it automatically establishes a new producer session.

32.7.3 SSL Support for Oracle Portal Integration Solutions (Microsoft Exchange)

SSL support is not available for Oracle Portal Integration Solutions (Microsoft Exchange). This is a known limitation.

32.8 PDK Issue and Workaround

Oracle Portal Developer Kit (PDK) version 10.1.2 is included with the Portal and Wireless installation. Release notes for the PDK-Java and PDK-PL/SQL can be found at the following middle-tier *ORACLE_HOME* locations:

- **PDK-Java:** *ORACLE_HOME*/portal/pdkjava/v2/pdkjava.v2.releasenotes.html
- **PDK-PL/SQL:** *ORACLE_HOME*/portal/pdkjava/v2/pdkplsql.release.notes.html

Latest Version of Oracle PDK

New versions of the Oracle PDK are released periodically providing new features, new APIs, and additional documentation. To take advantage of all the latest features, download the latest PDK from the PDK downloads page on the Oracle Technology Network (OTN) at

<http://www.oracle.com/technology/products/ias/portal/pdk.html>.

Release notes for the latest Oracle PDK version are available on Oracle Portal on OTN and also in these PDK download locations:

- `pdk\plsql\pdkplsql.release.notes.html`
- `pdk\jdk\v2\pdkjava.v2.release.notes.html`

32.9 Globalization Support Issues and Workarounds

This section describes issues and workarounds related to Globalization Support in Oracle Portal. It includes the following topics:

- [Section 32.9.1, "Text Entry Always Right to Left in BiDi Languages"](#)
- [Section 32.9.2, "Non-ASCII Character Limitations in Oracle Portal"](#)
- [Section 32.9.3, "Multibyte Characters in Log Files"](#)

32.9.1 Text Entry Always Right to Left in BiDi Languages

The direction of all text areas and fields is right to left (RTL). However, you may want some text areas to work left to right (LTR). Internet Explorer users can change this by pressing the left hand side Ctrl and Shift keys.

32.9.2 Non-ASCII Character Limitations in Oracle Portal

When you copy and paste an item URL containing non-ASCII characters from one browser Location or Address field into another, you may not be able to access the item if your login credentials have not been authenticated through OracleAS Single Sign-On.

As a workaround, log in to the portal before you access the item and copy the item URL.

32.9.3 Multibyte Characters in Log Files

In some scenarios, multibyte characters in log files may get corrupted.

For example, when the WLS_PORTAL managed server is started from the Oracle WebLogic Server Administration Console, multibyte characters, such as username, password, and `is starting`, may get corrupted.

Workarounds:

- Change `-Dfile.encoding=iso-8859-1` to `-Dfile.encoding=utf8` in the WLS_PORTAL start-up parameter through the Oracle WebLogic Server Administration Console.
- Change `-Dfile.encoding=iso-8859-1` to `-Dfile.encoding=utf8` in the `setDomainEnv.sh` file (Located at `MW_HOME/user_projects/domains/DomainName/bin`).

For more information, see note 403179.1.

Part X

Oracle WebCenter Content

Part X contains the following chapters:

- Chapter 33, "Oracle WebCenter Application Adapters"
- Chapter 34, "Oracle WebCenter Content Installation and Configuration"
- Chapter 35, "Oracle WebCenter Content: Imaging"
- Chapter 36, "Oracle Information Rights Management"
- Chapter 37, "Oracle WebCenter Content"
- Chapter 38, "Oracle WebCenter Content: Records"

Oracle WebCenter Application Adapters

This chapter describes issues associated with Oracle WebCenter application adapters. It includes the following topics:

- [Section 33.1, "Configuration Issues and Workarounds"](#)

33.1 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 33.1.1, "Managed Attachments Issue Passing Customized Parameters From Oracle E-Business Suite Forms Resolved"](#)
- [Section 33.1.2, "Siebel Entity Identifier Fields \(of Format xsiebel<entity>\) Should Not Be Treated as Regular Metadata Fields"](#)
- [Section 33.1.3, "Locating Siebel Adapter Siebel SIF Files"](#)

33.1.1 Managed Attachments Issue Passing Customized Parameters From Oracle E-Business Suite Forms Resolved

The instructions for passing extra metadata values from a business application to Content Server have been expanded for an Oracle E-Business Suite Forms configuration.

Follow the instructions in "Passing Extra Metadata Values From a Business Application to Content Server" in *Oracle WebCenter Administrator's Guide for Application Adapters*.

In steps 3 and 4 for an Oracle E-Business Suite Forms configuration, access the AXF_COMMAND_PARAMETERS Table and the AXF_MA_PARAMETERS Table for Oracle E-Business Suite Forms, and add entries in the tables for extra parameters to be passed to Content Server. Use the AXF_MA_PARAMETERS table described below to define the information sent for additional parameters.

33.1.1.1 AXF_MA_PARAMETERS Table Description

Table 33–1 Column Description for AXF_MA_PARAMETERS Table

Column	Description
PARAMETERID	Defines a unique ID for the parameter.
FNDID	Defines a unique ID for the fnd map table. Comes from the AXF_FND_MAP Table (Oracle E-Business Suite Forms).

Table 33–1 (Cont.) Column Description for AXF_MA_PARAMETERS Table

Column	Description
PARAMETERNAME	The name of the parameter to pass, where: <ul style="list-style-type: none"> ▪ application: Specifies the business application, as defined in the AFObjets Table. This name/value pair is passed as a configuration parameter to the Content Server AF_GRANT_ACCESS service and attachments framework search. ▪ extraParamName: Extra parameter to be passed as metadata from the business application to Content Server in check-in or scan forms.
DATASOURCENAME	Data Source for the parameter value. You can specify <i>Data</i> or <i>Constant</i> .
DATABLOCKNAME	Data Block of the Form from which the value is fetched
FIELDNAME	Field Name in the form from which the value is fetched.
CONSTANTVALUE	Must be set to a value that uniquely identifies the Oracle E-Business Suite instance.

33.1.1.2 AXF_MA_PARAMETERS Table Example Implementation

The AXF_MA_PARAMETERS example that follows displays fields configured for the AfGrantAccess command for the Invoice Entry form.

Table 33–2 Example AXF_MA_PARAMETERS Table

PARAMETER ID	FNDID	PARAMETERNAME	DATASOURCE NAME	DATABLOCKNAME	FIELDNAME	CONSTANTVALUE
1	5	Company	CONSTANT	(null)	(null)	MyCompany

33.1.2 Siebel Entity Identifier Fields (of Format xsiebel<entity>) Should Not Be Treated as Regular Metadata Fields

The Siebel identifier metadata fields (named *xsiebel<entity>*, as in *xsiebelContact* and *xsiebelAcct*) store Siebel entity values used for linking attachments to Siebel entities. Because they are not stored as regular metadata fields, they are not searchable and administrators configuring profiles should not treat them as regular metadata fields. (By default, these identifier fields are not visible to users in WebCenter Content. While users can enter search values into the fields if displayed, matching documents will not be found by the Content Server search engine.)

Note that users can attach documents to entities by entering entity row IDs into the Siebel identifier fields as a comma-separated list. In this case, Managed Attachments stores the values in a separate database table.

33.1.3 Locating Siebel Adapter Siebel SIF Files

The Siebel adapter Siebel SIF files can be found at the following location after an 11.1.1.6 install:

`middleware/Oracle_ECM1/ucm/Distribution/SiebelEcmIntegration`

Oracle WebCenter Content Installation and Configuration

This chapter describes installation and configuration issues associated with Oracle WebCenter Content. It includes the following topics:

- [Section 34.1, "Rebranding of Oracle Enterprise Content Management Suite to Oracle WebCenter Content"](#)
- [Section 34.2, "Documentation Errata"](#)

For more information about Oracle WebCenter Content installation and configuration, see *Installing and Configuring Oracle WebCenter Content* or *Installing an Evaluation Instance of Oracle WebCenter Content*.

34.1 Rebranding of Oracle Enterprise Content Management Suite to Oracle WebCenter Content

Oracle Enterprise Content Management Suite has been changed to Oracle WebCenter Content in the Oracle Fusion Middleware 11g (11.1.1.6.0) release. Oracle WebCenter Content is part of the Oracle WebCenter product stack, to provide the most complete, open, and unified enterprise content management platform.

The software and documentation for most of the Oracle WebCenter Content products have been rebranded accordingly. [Table 34.1](#) shows the new and previous names.

Table 34–1 Oracle WebCenter Content Names Rebranded from Oracle Enterprise Content Management Suite

New Name	New Short Name	Previous Name	Previous Short Name
Oracle WebCenter Content	None	Oracle Enterprise Content Management Suite	Oracle ECM
Oracle WebCenter Content	WebCenter Content	Oracle Universal Content Management	Oracle UCM
Oracle WebCenter Content Server	Content Server	Oracle Content Server	Content Server
Oracle WebCenter Content: Inbound Refinery	Inbound Refinery	Oracle Inbound Refinery	Oracle IBR
Oracle WebCenter Content: Imaging Oracle WebCenter Imaging	Imaging	Oracle Imaging and Process Management	Oracle I/PM
Oracle WebCenter Content: Records	Records	Oracle Universal Records Management	Oracle URM
Oracle WebCenter Content: Desktop	Desktop	Oracle UCM Desktop Integration Suite	Oracle DIS

The following names remain unchanged:

- Oracle Information Rights Management (Oracle IRM)
- Oracle UCM Site Studio, or Oracle Site Studio (Site Studio)
- Oracle Universal Records Management Adapters
- Oracle Forms Recognition
- Oracle Document Capture
- Oracle Distributed Document Capture

34.2 Documentation Errata

There are no known issues at this time.

Oracle WebCenter Content: Imaging

This chapter describes issues associated with Oracle WebCenter Content: Imaging. It includes the following topics:

- Section 35.1, "General Issues"
- Section 35.2, "Browser Compatibility Issues"
- Section 35.3, "Accessibility Issues"
- Section 35.4, "Documentation Errata"

35.1 General Issues

This section describes general issues. It includes the following topics:

- Section 35.1.1, "Imaging Session Time Out When Using OSSO Requires Browser Refresh"
- Section 35.1.2, "Mixed Translations On Page"
- Section 35.1.3, "Deleting More Than 100 Documents Can Cause Http 404 Errors"
- Section 35.1.4, "Time Zone Based on Time Zone of Imaging Server"
- Section 35.1.5, "Imaging Documents May Be Visible Natively Within WebCenter"
- Section 35.1.6, "Removing Full-Text Search Capabilities From Defined Applications"
- Section 35.1.7, "Application Field Limitations When Using Oracle Text Search"
- Section 35.1.8, "Records Missing from Imaging Searches"
- Section 35.1.9, "WebLogic Server Listening Address and AXF Driver Page URL Must Reference the Same Domain"
- Section 35.1.10, "Must Start NFS Locking Service When Input Agent Used with Linux Shares"
- Section 35.1.11, "DefaultSecurityGroup MBean Allows For Assigning Administrator Rights to Security Group at First Log In"
- Section 35.1.12, "Input Mapping Error When Input Definition File Includes Blank Line"
- Section 35.1.13, "Differing Behavior of Decimals When Ingested Into Number or Decimal Fields"
- Section 35.1.14, "Using Browser Forward, Back, and Refresh Navigation Not Recommended"

- [Section 35.1.15, "Document Upload or Update Failure if Content Server English-US Locale Not Enabled"](#)
- [Section 35.1.16, "Document Move Failure if Content Server Not Started with English-US Locale"](#)
- [Section 35.1.17, "Clearing Java Temporary Files of Cached Files"](#)
- [Section 35.1.18, "Solution Editor Enabled Only On Imaging Systems Using an Oracle Database"](#)
- [Section 35.1.19, "Additional MBean Configuration Options"](#)
- [Section 35.1.20, "Viewer Cache Does Not Work After Upgrading or Patching"](#)

35.1.1 Imaging Session Time Out When Using OSSO Requires Browser Refresh

When using Oracle Single Sign On and an Imaging session expires, WebLogic Server will return an internal server error. Refreshing the page returns to the Imaging log in page for reauthentication to start a new session.

35.1.2 Mixed Translations On Page

Oracle products support 10 standard languages for administrative tasks and 27 standard languages for user tasks. This means that in instances when a selected language is supported for user tasks and an administrative task is performed, multiple languages may be displayed in the user interface.

35.1.3 Deleting More Than 100 Documents Can Cause Http 404 Errors

There is a known issue with Microsoft Internet Explorer if attempting to delete more than 100 documents using a search results table. Doing so can cause Internet Explorer to return a 404 Page Not Found error or potentially lock. This is due to Internet Explorer limiting URL strings to a maximum of 2083 characters. If it is necessary to delete over 100 documents using a search results table, Mozilla Firefox supports URLs up to 65,000 characters.

35.1.4 Time Zone Based on Time Zone of Imaging Server

All time information is now based on the time zone of the Imaging server. This means that any date metadata generated by the Imaging system, such as document creation date, modify date, or other audit events, is governed by the time zone of the Imaging server, and not the user time zone. This can cause date data to be displayed differently to what may be expected on some documents because the time zone may cross midnight.

For example, if the Imaging server is in the Greenwich Mean Time (GMT) time zone and a document is created in the GMT+6 time zone on January 10th at 2:00 AM local time, the creation date that will be displayed in the user interface will be January 9th at 8:00 PM. This can have implications when searching for content based on creation and modification dates of documents.

35.1.5 Imaging Documents May Be Visible Natively Within WebCenter

If an Imaging document is viewed through WebCenter, then the document is cached in WebCenter. This means that if a document is viewed in WebCenter prior to being annotated, the non-annotated document is viewable until such time as the WebCenter cache is refreshed. Redacting a document after it has been cached in WebCenter does

not cause the original document to be purged from the WebCenter cache, and so redacted content may be compromised. To help protect redacted content when Imaging is integrated with WebCenter, use the Viewer on the Upload page to redact documents prior to uploading to Imaging.

35.1.6 Removing Full-Text Search Capabilities From Defined Applications

Removing full-text search capabilities from a defined application can cause an error in any defined search against that application if the Document Content condition is not also removed from the search. When modifying an existing application to remove full-text indexing capabilities, ensure that you also remove all Document Content conditions from any defined searches against that application.

35.1.7 Application Field Limitations When Using Oracle Text Search

When Imaging is configured to use OracleTextSearch and an application is defined to do full-text indexing, a maximum limit of 20 SDATA fields for the Content Server repository is imposed on Imaging. SDATA fields are defined as optimized fields by the Oracle Text Search component and are typically non-text, non-memo fields, although other criteria can exist to define text fields as optimized SDATA fields.

When defining an application, Imaging queries the repository DOCMETA table for the number of available SDATA fields and does not allow the creation of any non-text fields within the application beyond the available number. However, additional components installed on the Content Server repository, such as Folders or Discussions, may reduce the total number of available SDATA fields. Because other configurations may consume SDATA outside of the DOCMETA table, you may be able to add fields to an application but get an error when trying to rebuild the search index in Content Server. If this occurs, you must redefine the application using a different Content Server connection with available SDATA fields. If no additional Content Server connection is defined, you can install and configure an additional Content Server and create a new connection to it in Imaging. Alternately, you can redefine the application using the original Content Server connection but with fewer non-text fields until you are able to successfully rebuild the search index.

35.1.8 Records Missing from Imaging Searches

Care should be taken when integrating Imaging with Oracle WebCenter Content: Records. If a document is uploaded into an Imaging application that has been configured to use a Records-only Retention Category and the user who uploaded the document does not have rights on the Content Server repository to see records, they will not be able to see any of the uploaded documents in an Imaging search. Rights to retention categories are determined in Records. If integrating Imaging and Records, ensure that all users needing rights to view records have the correct security, that Retention Categories are set correctly in all Imaging applications, and that users understand what can happen if the Records-only Retention Categories are used.

35.1.9 WebLogic Server Listening Address and AXF Driver Page URL Must Reference the Same Domain

If leveraging AXF functionality with Imaging, the Listen Address base domain configured in the WebLogic Server console must match how the domain is specified in the URL used to access AXF. Otherwise content may not load properly and users may not have access to AXF. To configure the Listen address in AXF, do the following:

1. Log in to the WebLogic Server administration console.

2. Under the Environment section of the `ecm_domain`, select **Servers**. The Summary of Servers page is displayed with the **Configuration** tab active.
3. Click **imaging_server<number>**. The Setting for **imaging_server<number>** page is displayed for the selected Imaging server with the **Configuration** and **General** tabs active.
4. Set the **Listen Address** to the preferred URL. The Listen Address specified should be the base domain without the protocol.

Note: The Listen Address base domain and the URL base domain used to access AXF must be identical. If the fully qualified domain name is used for the Listen Address setting, then it must also be used for the access URL, even when inside the domain. For example, if the base domain **server_name.domain.com** is used in the Listen Address configuration setting, the access URL would be **http://server_name.domain.com:<port>/**.

35.1.10 Must Start NFS Locking Service When Input Agent Used with Linux Shares

When Input Agent is being used with Linux and NFS shares, the NFS locking service must be started in addition to the other NFS services. If the NFS locking service is not running, Input Agent fails to acquire file locks and displays an error message stating that no locks are available. If this happens, Input Agent cannot function until the NFS locking service is started.

35.1.11 DefaultSecurityGroup MBean Allows For Assigning Administrator Rights to Security Group at First Log In

The functionality of the DefaultSecurityGroup MBean has been augmented. In addition to being the default security group to use for document security when creating an application, this setting can also be used during security initialization to assign full administrative permissions to a specified group. If a value is specified in the DefaultSecurityGroup MBean prior to Imaging security being initialized, then when the first user logs in, the specified group is given full administrative permissions as well as the user logging in.

35.1.12 Input Mapping Error When Input Definition File Includes Blank Line

Note that when mapping an input definition file, the input field mapping page may display an error if it encounters a line with no data in the definition file. Should this occur, map the fields using a line in the definition file that contains data. You can move to a different line in the definition file using the Show Previous Line and Show Next Line icons in the Sample Data column of the input field mapping page.

35.1.13 Differing Behavior of Decimals When Ingested Into Number or Decimal Fields

When ingesting a decimal representation of a whole number into a number field, the decimal is stripped. For example, "1.0" is ingested as "1." When ingesting a decimal that is not whole, the ingestor does not round the value and an error occurs. For example, "1.1" is not ingested into a number field and causes an error.

When ingesting a decimal value into a decimal field, the decimal value must not exceed the precision specified in the application, even if the represented value is the same. For example, if the application specifies a scale of 2, then "123.45" is ingested correctly, where "123.450" would cause an error. This is because "123.450" exceeds the

number of decimal places allowed by the application. This behavior is consistent with the conversion routines available in Java.

35.1.14 Using Browser Forward, Back, and Refresh Navigation Not Recommended

Using browser navigation such as Forward, Back, and Refresh does not provide navigation within a document, a document's panels, or between document tabs open in the Viewer. Instead, browser controls navigate outside of the Imaging Viewer. When viewing a document, it is recommended that all navigation within the Viewer be done using the navigation controls in the Viewer toolbar.

35.1.15 Document Upload or Update Failure if Content Server English-US Locale Not Enabled

The Content Server locale English-US must be enabled on the Content Server. Imaging documents will fail to upload or update if the English-US locale in the Content Server is disabled. It does not need to be set as the active locale, but it must be enabled.

35.1.16 Document Move Failure if Content Server Not Started with English-US Locale

The Content Server must be initially started with the active locale set to English-US or moving Imaging documents from one application to another fails. Once started, the active locale can be changed and documents can be successfully moved as necessary.

35.1.17 Clearing Java Temporary Files of Cached Files

When viewing files in advanced mode, some files are cached on the local client computer. If storage space is a concern on the client computer, manually delete any cached files in the client temp directory.

35.1.18 Solution Editor Enabled Only On Imaging Systems Using an Oracle Database

The Solution Editor is enabled in the Tools menu of the Navigator Pane provided that Imaging is using an Oracle database. If Imaging is using a database other than Oracle, access to the Solution Editor is not available.

35.1.19 Additional MBean Configuration Options

The following configuration MBeans are read only and not included in Section 3.6, "Configuring MBeans" of the *Oracle WebCenter Content Administrator's Guide for Imaging*. They are part of Oracle's implementation of the Java Management Extension (JMX) standard and are visible in the Enterprise Manager System MBean browser but cannot be altered.

MBean	Description
ConfigMBean	Indicates if this MBean is a Config MBean. Default: false
eventProvider	Indicates that this MBean is an event provider as defined by JSR-77. Default: true
eventTypes	All the event's types emitted by this MBean. Default: jmx.attribute.change

MBean	Description
objectName	The MBean's unique JMX name. Default: oracle.imaging:type=config
ReadOnly	If true, it indicates that this MBean is a read only MBean. Default: false
RestartNeeded	Indicates whether a restart is needed. Default: false
stateManageable	Indicates that this MBean provides State Management capabilities as defined by JSR-77. Default: false
statisticsProvider	Indicates that this MBean is a statistic provider as defined by JSR-77. Default: false
SystemMBean	It indicates that this MBean is a System MBean. Default: false

35.1.20 Viewer Cache Does Not Work After Upgrading or Patching

Beginning with the 11g Release 1 (11.1.1.7.0) patch set, follow these steps to enable the Viewer Cache in Imaging or to preserve it if upgrading. In order to enable the Viewer Cache, you will need to extend the Imaging domain with a new separately packaged Viewer Cache component. In previous releases, the Imaging domain was extended using a manually run script that produced the domain extension. However, the 11g Release 1 (11.1.1.7.0) patch set leverages a user friendly configuration wizard to provide the domain extension.

Note: If you are upgrading from 11g Release 1 (11.1.1.4.0), 11g Release 1 (11.1.1.5.0), or 11g Release 1 (11.1.1.6.0) and you are already using the Viewer Cache feature, then you must complete the steps in this section to extend the domain to enable Viewer Cache in the 11g Release 1 (11.1.1.7.0) patch set.

To extend the Imaging domain:

1. Navigate to the following directory:
`cd $ORACLE_HOME/common/bin`
2. Run the following script to start the domain configuration wizard:
`./config.sh`
3. Select **Extend an existing WebLogic domain** and click **Next**. The Select a WebLogic Domain Directory screen is displayed.
4. Select the domain in which Imaging is currently configured. By default, the domain name of the ECM install is *base_domain*.
5. Click **Next**. The Select Extension Source screen is displayed.
6. Select **Oracle WebCenter Content: Imaging Viewer Cache - 11.1.1.0 [wcc]** and click **Next**.

7. If you are applying the patch set to upgrade from a previous release which already had the Viewer Cache enabled, the Conflict Detected dialog box is displayed indicating that the component Viewer JMS ConnectionFactory is already defined. Select the **Replace existing component** option and click **OK**. The Configure JDBC Component Schema screen is displayed.
8. Click **Next**. The Configure GridLink RAC Data Sources screen is displayed.
9. Click **Next**. The Test JDBC Component Schema screen is displayed.
10. Click **Next** and then click **Extend**.
11. Restart the system's Weblogic Managed servers.
12. Upgraded systems with previously configured Viewer Caches will operate as before. To take advantage of the new feature for the first time, use the steps listed in "Configuring the Imaging Viewer Cache" in the *Oracle Fusion Middleware Enterprise Deployment Guide for Oracle WebCenter Content*.

35.2 Browser Compatibility Issues

This section describes browser compatibility issues. It includes the following topics:

- [Section 35.2.1, "IE: Non-ASCII Characters Not Supported in Internet Explorer for ExecuteSearch"](#)
- [Section 35.2.2, "Firefox: Version and Download Dialog Boxes Appear Behind Viewer in Advanced Mode"](#)
- [Section 35.2.3, "Internet Explorer 9: Problem With Link to Install Java SE Runtime Environment Necessary for Viewer"](#)

35.2.1 IE: Non-ASCII Characters Not Supported in Internet Explorer for ExecuteSearch

The Search URL Tool (ExecuteSearch) does not work in Microsoft Internet Explorer if non-ascii characters are used in the search name. If it is necessary for your search name to have non-ascii characters, you must use Mozilla Firefox version 3.5 or higher and set the following parameters:

- `prefs.converted-to-utf8=true`
- `network.standard-url.escape-utf8=true`
- `network.standard-url.encode-utf8=true`
- `network.standard-url.encode-query-utf8=true`

35.2.2 Firefox: Version and Download Dialog Boxes Appear Behind Viewer in Advanced Mode

There is a problem with how Firefox 3.6, 5.0 and higher handles layer order of page items in the advanced mode of the Viewer. This causes the main page region where documents are displayed to hide the Version and Download dialog boxes when a document is viewed using Firefox. To work around this issue, expand the Properties, History, or Sticky Notes panel into the main page region enough to allow the obscured items to be displayed prior to accessing dialog boxes. This is not an issue when using Microsoft Internet Explorer or Firefox 3.5.x and a workaround would be to use either of these browsers to view documents when using the advanced Viewer mode.

35.2.3 Internet Explorer 9: Problem With Link to Install Java SE Runtime Environment Necessary for Viewer

The Viewer requires a Java SE Runtime Environment (JRE) plug-in to be installed to view documents in advanced mode. If a JRE is not installed, the Viewer will prompt you to install the plug-in the first time it is used in advanced mode. If using Internet Explorer 9, the link to install the JRE plug-in fails. If using Internet Explorer 9, you must obtain and install the JRE plug-in manually to use the Viewer in advanced mode.

35.3 Accessibility Issues

This section describes accessibility issues. It includes the following topics:

- [Section 35.3.1, "Button Activation Behavior Different Depending on Viewer Mode"](#)
- [Section 35.3.2, "Limitations of Sticky Note Contents"](#)
- [Section 35.3.3, "Skip to Content Link Added for Keyboard Navigation"](#)
- [Section 35.3.4, "Firefox: Skip to Applet Link Added for Keyboard Navigation in Advanced Viewer Mode"](#)
- [Section 35.3.5, "Internet Explorer 7: Focus Issue on Upload Document and Preferences Pages"](#)
- [Section 35.3.6, "Name of File Selected For Import Not Displayed in Screen Reader Mode"](#)
- [Section 35.3.7, "Issues Selecting From Calendar Using Keyboard"](#)
- [Section 35.3.8, "Focus Issue in Create Searches Wizard Using Keyboard"](#)
- [Section 35.3.9, "Annotations Not Recognized By JAWS"](#)
- [Section 35.3.10, "Date Selected From Calendar Lost Using Keyboard"](#)
- [Section 35.3.11, "Some Annotation Buttons Incorrectly Read by JAWS"](#)
- [Section 35.3.12, "Internet Explorer: Long Panels Not Visible In Screen Reader"](#)

35.3.1 Button Activation Behavior Different Depending on Viewer Mode

The keyboard command to activate a button that has focus is different between basic and advanced Viewer modes. The enter key is used to activate a focused button when using the basic Viewer mode. The space key is used to activate a focused button when using the advanced Viewer mode.

35.3.2 Limitations of Sticky Note Contents

The contents of sticky notes are not downloaded or printed with the document, nor are they viewable through the REST Viewer. The contents of a sticky note can be printed, with limitations, by expanding the sticky note in the Sticky Notes Panel and printing the web page.

35.3.3 Skip to Content Link Added for Keyboard Navigation

The first link encountered on a page when using keyboard navigation in the Imaging user interface is a **Skip to Content** link at the top of the page. Selecting this link and pressing **Enter** takes the focus to the first item in the content region of the page. For example, if on the home page, the first content item is the help links. If a search has

been executed and the results are displayed in the content region, then the **Skip to Content** link takes you to the first search tab.

35.3.4 Firefox: Skip to Applet Link Added for Keyboard Navigation in Advanced Viewer Mode

When viewing a document in the advanced Viewer mode, keyboard focus starts in the Viewer toolbar. However, in Firefox, if focus moves out of the toolbar, it will not return when cycling through the elements using the keyboard. To work around this, a **Skip to Applet** link is at the top of the page. To return keyboard focus to the Viewer toolbar, tab to the **Skip to Applet** link and press **Enter**.

35.3.5 Internet Explorer 7: Focus Issue on Upload Document and Preferences Pages

When using Internet Explorer 7, the keyboard appears not to focus on any command buttons on the Upload Document page (Open Viewer, Create, Reset, Close) or Preferences page (Apply, Revert, Close). Focus is achieved, however there is no indication which button is active. This issue does not occur in Internet Explorer 8.

35.3.6 Name of File Selected For Import Not Displayed in Screen Reader Mode

When in screen reader mode and selecting a file to import, the file is loaded and the Next button becomes available, but the name of the file to be imported is not displayed.

35.3.7 Issues Selecting From Calendar Using Keyboard

In Internet Explorer 7, when selecting dates from a calendar using the keyboard, you cannot select a day. This is not an issue in Firefox, Safari and later versions of Internet Explorer. In addition, the following buttons are skipped when tabbing: Previous month, Previous year, Month increase/decrease, and Year increase/decrease. An alternative to selecting the date with the keyboard is to manually enter the date with the number keys.

35.3.8 Focus Issue in Create Searches Wizard Using Keyboard

After completing fields in the Create New Search Wizard, the keyboard focus changes to the browser URL and you must tab through the banner and navigation before you can edit the current page.

35.3.9 Annotations Not Recognized By JAWS

When viewing a document with annotations while running JAWS, you can tab to an annotation, but no description is read by JAWS.

35.3.10 Date Selected From Calendar Lost Using Keyboard

When using the keyboard to select a date from a calendar control, the selected date is not retained. The workaround is to enter the date into the date field using the number keys on the keyboard.

35.3.11 Some Annotation Buttons Incorrectly Read by JAWS

When you first open a document in Advanced Viewer mode using screen reader mode, JAWS incorrectly adds the phrase *Insert F1 Help Text* after each button name.

35.3.12 Internet Explorer: Long Panels Not Visible In Screen Reader

When using Microsoft Internet Explorer and **I use a screen reader** is enabled on the user preferences page, some panels in the Navigation pane may not display, although the text of the panel title is still read. This is caused when the panel name is too long. Depending on the user interface language, this could happen to one or multiple panels. If you expand the panel above the hidden panel, the hidden panel is then displayed.

35.4 Documentation Errata

Documentation Errata: Currently, there are no documentation issues to note.

Oracle Information Rights Management

This chapter describes issues associated with Oracle IRM Server and Oracle IRM Desktop, together known as 'Oracle IRM'. Unless otherwise stated, the version of Oracle IRM to which these release notes apply is 11.1.1.5.0 (incorporating version 11.1.1.50 of Oracle IRM Desktop).

This chapter includes the following topics:

- [Section 36.1, "General Issues and Workarounds"](#)
- [Section 36.2, "Configuration Issues and Workarounds"](#)
- [Section 36.3, "Documentation Errata"](#)

36.1 General Issues and Workarounds

This section describes general issues and workarounds. It includes the following topics:

- [Section 36.1.1, "Data Truncation May Occur If One Large or Multiple Excel Files Are Open"](#)
- [Section 36.1.2, "Some Functionality is Disabled or Restricted in Adobe Reader X and Adobe Reader 9"](#)
- [Section 36.1.3, "Limitations of Support for Microsoft SharePoint in this Release"](#)
- [Section 36.1.4, "Lotus Notes Email Message May be Lost if Context Selection Dialog is Canceled"](#)
- [Section 36.1.5, "Save As is Blocked in Microsoft Office 2000/XP for Sealed Files if the Destination is a WebDAV Folder"](#)
- [Section 36.1.6, "No Prompt to Use Local Drafts Folder for Sealed Files in SharePoint 2010"](#)
- [Section 36.1.7, "Incorrect Initial Display of Oracle IRM Fields in Microsoft Excel Spreadsheets When Used With SharePoint"](#)
- [Section 36.1.8, "Behavior of Automatic Save and Automatic Recovery in Microsoft Office Applications and SharePoint"](#)
- [Section 36.1.9, "Support for Microsoft Windows 2000 Has Been Removed"](#)
- [Section 36.1.10, "Unreadable Error Message Text When Client and Server Locales are Different"](#)
- [Section 36.1.11, "Changes Lost if Tab Changed Before Applying the Apply Button"](#)

- Section 36.1.12, "Some File Formats are Not Supported When Using the Microsoft Office 2007 Compatibility Pack with Microsoft Office 2003"
- Section 36.1.13, "Microsoft Word May Hang if a Sealed Email is Open During Manual Rights Check-In"
- Section 36.1.14, "Sealed Emails in Lotus Notes will Sometimes Show a Temporary File Name"
- Section 36.1.15, "No Support for Sealing Files of 2GB or Larger in Size in Oracle IRM Desktop"
- Section 36.1.16, "Inappropriate Authentication Options After Failed Login on Legacy Servers When Setting Up Search"
- Section 36.1.17, "Opening Legacy Sealed Documents in Microsoft Office 2007 May Fail on First Attempt"
- Section 36.1.18, "Log Out Link Inoperative When Using OAM 11g for SSO"
- Section 36.1.19, "Double-byte Languages Cannot be Used for Entering Data with Legacy Servers"
- Section 36.1.20, "Use of SPACE Key Instead of Return Key in Oracle IRM Server"
- Section 36.1.21, "Calendar Controls in Oracle IRM Server Not Accessible Via the Keyboard"

36.1.1 Data Truncation May Occur If One Large or Multiple Excel Files Are Open

A product defect has been identified in Oracle IRM when it is used with a single large size or multiple open Microsoft Excel files. This may affect the integrity of the Microsoft Excel files that are saved with Oracle IRM.

When you have Oracle IRM enabled with multiple Excel files open or a single large size sealed Excel file, the defect causes data truncation in the open Excel files. There is no error message or warning when the truncation happens.

This defect has been observed for file sizes greater than 10MB although the issue cannot be ruled out for smaller size files as well. The amount of data truncated is random but the rows affected are typically those at the bottom of the file. After the truncation occurs, the data is permanently lost data when the file is saved.

The workararound is to use smaller sealed Excel workbooks, if possible. If not, confirm the correct row size with the document author, and confirm that value each time you open the sealed file.

There is no confirmation of a resolution as Oracle IRM is nearing the end of support and will be EOL soon.

36.1.2 Some Functionality is Disabled or Restricted in Adobe Reader X and Adobe Reader 9

To protect the security of sealed PDF documents, some Adobe Reader functionality is disabled or restricted, as described below.

Protected Mode in Adobe Reader X

Sealed PDF documents cannot be opened if Adobe Reader Protected Mode is active. If Protected Mode has not been disabled in advance, Oracle IRM will offer to disable Protected Mode when you attempt to open a sealed PDF document. You can choose

not to accept, in which case Protected Mode will remain active and the sealed PDF document will not be opened.

Use of Toolbar and Other Controls in Adobe Reader X

When using a sealed PDF document in the traditional view, you cannot use the toolbar that is shown within Internet Explorer across the top of the document. Instead, you must switch to the Read-Mode view (using `Ctrl+H`) and use the buttons on the floating toolbar that appears in that view. You can use the buttons on the Read-Mode floating toolbar to save and print the sealed PDF document (if you have sufficient rights), and to page up and down, or to zoom in and out. You can also, subject to your rights, use the following keyboard shortcuts: Print (`Ctrl+P`), Save (`Ctrl+Shift+S`), and Copy (`Ctrl+C`).

Use of Toolbar and Other Controls in Adobe Reader 9

The following Adobe Reader 9 toolbar buttons do not function:

- Email
- Collaborate
- Create Adobe PDF using Acrobat.com

If you click these buttons, you will see a message that the associated function is unavailable.

All other Adobe Reader 9 controls are available if you have sufficient rights. If you do not have sufficient rights, you will see a message when you attempt to use the control.

A further restriction applies to controls added to the Adobe Reader 9 interface by users when they have a sealed PDF document open: the added control will be inactive until Adobe Reader is closed and reopened.

36.1.3 Limitations of Support for Microsoft SharePoint in this Release

Read-only support for Windows 2000/XP

Sealed documents will always open read-only when opened from Microsoft SharePoint using Microsoft Office 2000 or Microsoft Office XP. From Microsoft Office 2003 onwards, full checkout, edit, and save capabilities are supported. The following is the behavior when using a Microsoft SharePoint web site to browse and open sealed files:

- Microsoft Office 2000 "open" behavior. Clicking any file in Microsoft SharePoint will result in the option to open the file or save it locally. Sealed files will always open read-only unless saved locally.
- Microsoft Office 2000 "edit" behavior. The **Edit in Microsoft Word [PowerPoint/Excel]** option is not supported for any file (sealed or unsealed).
- Microsoft Office XP "open" behavior. In **Microsoft SharePoint 2007**, when clicking a sealed file, a download dialog will be presented offering the option to open the file or save it locally. Sealed files will always open read-only unless saved locally. In **Microsoft SharePoint 2010**, when clicking a sealed file, a download dialog will be presented offering only the option to save the file locally.
- Microsoft Office XP "edit" behavior. In **Microsoft SharePoint 2007 and 2010**, when choosing Edit in Microsoft Word [PowerPoint/Excel] from the drop-down list for the file, nothing will happen for the following sealed file types: `.sppt`, `.spot`, `.sxlst`, `.sdot`. All other sealed file formats will open read-only. In **Microsoft**

SharePoint 2010, the **Edit Document** option is missing for sealed files when using the Datasheet view.

No support for merging

Files opened from Microsoft SharePoint that are locked for editing by another user will not offer the chance to edit a local copy and merge changes later. Oracle IRM Desktop forces the document to open read-only. In Microsoft Office 2010, the Office bar and Backstage view offer an Edit button to switch to edit mode: this is prevented for sealed documents. If you wish to edit the file, you will need to open it for editing from the Web browser: if it is not locked for editing elsewhere, it will open editable.

Microsoft Word 2010 files opened from SharePoint 2010 are read-only

The following Microsoft Word 2010 sealed file types cannot be edited if they are opened from SharePoint 2010: .sdocx, .sdocm, .sdotx, .sdotm. Other sealed Microsoft Word formats (for example, .sdoc) will open as normal. The workaround is to save a copy of the file locally, edit that file, then upload it to SharePoint.

The Check Out button is sometimes missing when opening a sealed Excel file in Protected Mode

If the Microsoft SharePoint Web site is running under Protected Mode in Internet Explorer on Microsoft Vista or Microsoft Windows 7, the Check Out button is not shown. To work around this issue, check out the file first from the Web browser, or open the file directly via Windows Explorer, the Open dialog (available by choosing Open on the File menu), or the most-recently-used (MRU) list.

Using Microsoft Outlook to work with SharePoint offline

Microsoft Office 2007 onwards supports the ability to open a SharePoint folder in Outlook. The SharePoint files can then be worked on while offline, and Outlook will handle the synchronization of any changes. There are known issues with this capability when working with sealed files because Outlook opens them differently to native Microsoft Office files. You may get the message "Outlook cannot track the program used to open this document. Any changes you make to the document will not be saved to the original document" when opening sealed files from this view, and changes made to the sealed file will not automatically upload to the server. A manual send/receive is required.

In Microsoft Office 2010 the sealed files are opened in a mode which is similar to email attachments and require the following protected view settings:

- Uncheck **Enable Protected View for Outlook Attachments**. This will allow opening of the server file from within the Outlook offline view.
- Uncheck **Enable Protected View for file originating from the Internet**. This will allow opening of files when they are being edited offline.

Using Windows Explorer to open sealed files from SharePoint

Microsoft Office 2003 on Windows Vista may have problems opening sealed files from the Windows Explorer view of SharePoint. Microsoft Office may display a message similar to the following:

```
Could not open http://<sp_server>/DavWWWRoot/Docs/MyFolder/file.sdoc
```

A workaround for this is to access the folder using UNC. For example:

```
\\<sp_server>\Docs\MyFolder
```

36.1.4 Lotus Notes Email Message May be Lost if Context Selection Dialog is Canceled

When using the base release of Lotus Notes version 8.5, if the context selection dialog is canceled when sending a sealed email, an error occurs and the message is lost. This does not occur in earlier versions of Lotus Notes. This issue is resolved in Lotus Notes version 8.5.2.

36.1.5 Save As is Blocked in Microsoft Office 2000/XP for Sealed Files if the Destination is a WebDAV Folder

The use of **Save As** is blocked in Microsoft Office 2000/XP for sealed files if the destination is a WebDAV folder (for example, in UCM). You'll need to save the sealed file to the local file system and upload it manually to the WebDAV folder. However, if you have the 11g UCM Desktop Integration Suite (DIS) installed, you can save sealed files as a new content item in UCM using the DIS menu in Microsoft Office.

The use of **Save as Sealed**, or of right-click **Seal To** (from Windows Explorer), will work when the destination is a WebDav folder.

36.1.6 No Prompt to Use Local Drafts Folder for Sealed Files in SharePoint 2010

When you check out unsealed files in SharePoint 2010, you are warned about the checkout and given the choice to use a local drafts folder. When you check out sealed files in SharePoint 2010, the file is checked out without giving the option to use a local drafts folder.

36.1.7 Incorrect Initial Display of Oracle IRM Fields in Microsoft Excel Spreadsheets When Used With SharePoint

This issue refers to Oracle IRM Fields set up using custom properties, as described in the Oracle IRM Desktop help, in the topic *Adding Oracle IRM Fields in Microsoft Excel*.

The problem occurs when using a combination of Microsoft Windows Vista, Microsoft Internet Explorer 7 or 8, Microsoft Office 2007, and Microsoft SharePoint 2007.

If you open a sealed Microsoft Excel spreadsheet that contains custom properties, when you go to edit the spreadsheet, the custom properties are initially shown with the placeholder #NAME? rather than with their correct values. The custom properties should update with their correct values when you start to edit the spreadsheet.

36.1.8 Behavior of Automatic Save and Automatic Recovery in Microsoft Office Applications and SharePoint

The behavior of automatic save and automatic recovery in Microsoft Office applications is as detailed below.

General

On automatic recovery, users are prompted to save the file to disk immediately in order to persist the recovered changes to a sealed file on disk. This is true for all versions and applications which support auto-recovery.

Word

- All supported versions: automatic save and recovery of sealed files should behave as normal, with the exception that automatic saving is blocked if the filename contains a dot that is not part of the extension (for example, `my.filename.sdoc`), or if the filename contains any double byte character.

- In Word 2010, automatically saved files recovered from the Recovery pane will not automatically prompt for a **Save As**: users will need to perform the **Save As** manually.

PowerPoint

- PowerPoint XP, 2003: automatic save and recovery of sealed files should behave as normal.
- PowerPoint 2007: the automatic saving of sealed files does not take place.
- PowerPoint 2000: automatic save is disabled if sealed files are open, meaning that, if the system crashes, any unsaved changes to any file (sealed or original) will be lost.
- PowerPoint 2010: Automatically saved files do not appear in the Recovery pane, but Microsoft Office 2010 creates auto-saved files that can be opened via the Backstage view, enabling changes to be recovered.

Excel

- All supported versions: automatically saved Excel files (.xar) will be sealed, but the recovery of these files does not happen automatically. To recover "lost" changes, users need to locate the .xar file and rename it to .xlsx.
- Excel 2010: Automatically saved files do not appear in the Recovery pane, but Microsoft Office 2010 creates auto-saved files that can be opened via the Backstage view, enabling changes to be recovered.

Microsoft Office draft documents

- Microsoft Office keeps unsaved copies of files for a short period. These are accessible from the Backstage view. Oracle IRM treats these files as auto-saved files, and opening them users will be prompted to perform a **Save As** operation. To use the restored file in place of the original file, users must copy the saved version over the original.

Because of these restrictions, it is recommended that you do not rely on automatic save and recovery. Instead, save your work frequently when using these applications.

36.1.9 Support for Microsoft Windows 2000 Has Been Removed

Oracle IRM no longer supports the Microsoft Windows 2000 operating system.

36.1.10 Unreadable Error Message Text When Client and Server Locales are Different

Error messages are sent to the client (Oracle IRM Desktop) in the language of the server (Oracle IRM Server). Therefore, if the locale of the server is different to the locale of the client, the error code may be rendered in garbage characters. The error code remains readable, and can be provided to support services as necessary.

36.1.11 Changes Lost if Tab Changed Before Applying the Apply Button

On the Oracle IRM Server Management Console, if you make changes on a tabbed page that has an Apply button, and then move to another tab without using the Apply button, the changes will be lost. You will not be prompted to save the changes that you made.

36.1.12 Some File Formats are Not Supported When Using the Microsoft Office 2007 Compatibility Pack with Microsoft Office 2003

The following Microsoft PowerPoint and Microsoft Excel formats are not supported for sealing when using the Office 2007 Compatibility Pack with Office 2003 and earlier: SPOTM, SPOTX, SPPTM, SPPTX, SXLSX, and SXLTX. For these applications, use other file formats that are supported for sealing.

36.1.13 Microsoft Word May Hang if a Sealed Email is Open During Manual Rights Check-In

In Oracle IRM Desktop, if you attempt to check in your rights while a sealed email is open in Microsoft Word, Microsoft Word may hang. It is recommended that you do not check in your rights while a sealed email is open.

36.1.14 Sealed Emails in Lotus Notes will Sometimes Show a Temporary File Name

In Lotus Notes, if a sealed email has a communication thread with multiple messages or replies, the title bar may show a temporary file name instead of the correct subject name. You may also be prompted to save changes when you have not made any. No harm should arise from these anomalies.

36.1.15 No Support for Sealing Files of 2GB or Larger in Size in Oracle IRM Desktop

Sealing files of size 2GB or larger is not supported in the current release of Oracle IRM Desktop.

36.1.16 Inappropriate Authentication Options After Failed Login on Legacy Servers When Setting Up Search

When setting up indexed search, if you enter incorrect authentication credentials for a legacy server (for example, a 10g Oracle IRM Server) that has been set up for Windows NT authentication, the login retry dialog will show options for Windows basic authentication. You should not use Windows Authentication credentials to log in to legacy servers set up for Windows NT Authentication.

36.1.17 Opening Legacy Sealed Documents in Microsoft Office 2007 May Fail on First Attempt

If users attempt to open a legacy Microsoft Office 2007 document (a document sealed with an older version of Oracle IRM), and Oracle IRM Desktop has not been synchronized with the server against which the document was sealed, the attempt will fail. The sealed document will not be opened, and the user will not be prompted to authenticate against the server to which the document was sealed. A second attempt to open the sealed document should succeed, because the initial attempt should have synchronized Oracle IRM Desktop with the server. Alternatively, the user can synchronize to the server manually (using the Oracle IRM Desktop Options dialog) before opening a legacy sealed document.

36.1.18 Log Out Link Inoperative When Using OAM 11g for SSO

When using OAM (Oracle Access Management) 11g for SSO, the Log Out link on the Oracle IRM Server Management Console does not log the user out.

36.1.19 Double-byte Languages Cannot be Used for Entering Data with Legacy Servers

This release of Oracle IRM Desktop is available in many more languages than previous releases, including some double-byte languages. However, for legacy (10g) servers, as previously, data (user names, etc.) must still be entered using the 7-bit ASCII range of characters.

36.1.20 Use of SPACE Key Instead of Return Key in Oracle IRM Server

In some dialogs in the Oracle IRM Server Management Console, the Return key does not execute buttons. When this occurs, use the SPACE key instead.

36.1.21 Calendar Controls in Oracle IRM Server Not Accessible Via the Keyboard

In the Oracle IRM Server Management Console, the calendar controls are not accessible via the keyboard, and do not appear if the console is in Screen Reader mode. To enter a date using the keyboard, the date should be typed in.

36.2 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 36.2.1, "New JPS Configuration Properties for User and Group Searches"](#)
- [Section 36.2.2, "Mandatory Patch Number 12369706 For Release 11.1.1.5.0 of Oracle IRM Server, To Fix Role Edit Bug"](#)
- [Section 36.2.3, "Installing the 64-Bit Version of Oracle IRM Desktop"](#)
- [Section 36.2.4, "Reboot Necessary to Obtain New Online Information Button"](#)
- [Section 36.2.5, "Deploying Oracle IRM Using Oracle Access Manager Version 10g"](#)
- [Section 36.2.6, "LDAP Reassociation Fails if User and Group Names are Identical"](#)
- [Section 36.2.7, "Upgrading Oracle IRM Desktop From Versions Earlier Than 5.5"](#)
- [Section 36.2.8, "Synchronizing Servers After an Upgrade of Oracle IRM Desktop"](#)
- [Section 36.2.9, "Reapplying Lost Settings After an Upgrade of Oracle IRM Desktop"](#)
- [Section 36.2.10, "Changing Oracle IRM Account When Authenticated Using Username and Password"](#)
- [Section 36.2.11, "Post-Installation Steps Required for Oracle IRM Installation Against Oracle RAC"](#)
- [Section 36.2.12, "Enabling the Oracle IRM Installation Help Page to Open in a Non-English Server Locale"](#)

36.2.1 New JPS Configuration Properties for User and Group Searches

The following new JPS configuration properties are supported in PS5. These settings allow the attributes used in the Oracle IRM Server Management Console user and group searches to be defined.

Property: `oracle.irm.default.search.user.attributes`

Valid values (one or more values are allowed, separated with a comma):

- NAME

- USER_NAME
- FIRST_NAME
- LAST_NAME
- BUSINESS_EMAIL

Default value = "NAME,USER_NAME,FIRST_NAME,LAST_NAME,BUSINESS_EMAIL"

Property: oracle.irm.default.search.group.attributes

Valid value:

- ROLE_NAME

Default value = "ROLE_NAME"

This complements the search filter attributes already supported in jps-config.xml.

Property: oracle.irm.default.search.filter

Valid values (one of the following):

- EQUALS
- BEGINS
- ENDS
- CONTAINS

Default value = "CONTAINS"

Example

An example JPS LDAP service instance entry:

```
<serviceInstance name="idstore.ldap" provider="idstore.ldap.provider">
<property name="idstore.config.provider"
value="oracle.security.jps.wls.internal.idstore.WlsLdapIdStoreConfigProvider"/>
<property name="CONNECTION_POOL_CLASS"
value="oracle.security.idm.providers.stdldap.JNDIPool"/>
<property name="oracle.irm.default.search.filter" value="BEGINS"/>
<property name="oracle.irm.default.search.user.attributes" value="USER_
NAME,NAME,BUSINESS_EMAIL"/>
<property name="oracle.irm.default.search.group.attributes" value="ROLE_NAME"/>
</serviceInstance>
```

36.2.2 Mandatory Patch Number 12369706 For Release 11.1.1.5.0 of Oracle IRM Server, To Fix Role Edit Bug

The Oracle IRM Server Management Console has an issue that requires a patch to be applied to the installed or upgraded system. When selecting rights for a context, the **Properties**, **Edit**, and **Remove** buttons are always disabled and cannot be used. Selecting one or more rights will not enable the buttons.

Patch 12369706 fixes this issue. This patch can be downloaded from <https://support.oracle.com>

To install the patch:

1. Log onto <https://support.oracle.com>
2. Select **Patches & Updates**.

3. Enter the patch number 12369706 in the patch search.
4. Click **Search**.
5. Follow the installation instructions provided with the patch.

36.2.3 Installing the 64-Bit Version of Oracle IRM Desktop

For this release, you can choose to install a 64-bit version of the Oracle IRM Desktop client tool. There are no specific instructions for this installation, but if you attempt to install the 64-bit version in a 32-bit environment, you will see messages that this is not possible.

36.2.4 Reboot Necessary to Obtain New Online Information Button

After an upgrade from a previous release of Oracle IRM Desktop, the new **Online Information** button on the IRM tab in the Properties dialog (obtained by right-clicking **Properties** on a file in Windows Explorer) is missing until the system is rebooted. This does not affect new installations. A workaround is to restart after upgrading from a previous release of Oracle IRM Desktop, even though the installer does not prompt that a reboot is necessary.

36.2.5 Deploying Oracle IRM Using Oracle Access Manager Version 10g

Deploying Oracle IRM version 11gR1 in an environment using Oracle Access Manager version 10g requires additional configuration to process logout requests properly. For detailed information, see the section "Configuring Global Logout for Oracle Access Manager 10g and 10g WebGates" in the *Oracle Fusion Middleware Application Security Guide*.

36.2.6 LDAP Reassociation Fails if User and Group Names are Identical

When reassociating an LDAP identity store, the Oracle IRM process for exporting user and group information has an issue if user and group names are identical. If a user and group have identical names, the export process will lose either the user or the group details during the export step. This is because the user or group name is used as the file name, so one file overwrites the other. A post-reassociation workaround is to check user and group right assignments, and to manually reassign any that are missing.

36.2.7 Upgrading Oracle IRM Desktop From Versions Earlier Than 5.5

You can upgrade to this release from Oracle IRM Desktop version 5.5 onwards, by running the installation wizard on the computer that has the older version.

For versions earlier than 5.5, or from any version of SealedMedia Unsealer or Desktop, you can upgrade to this release only by uninstalling the older version and installing this release.

If you are upgrading to this release of Oracle IRM Desktop from a 10g release, you will lose the locally stored rights to use sealed documents (the rights that enable you to continue working when you are offline). When this happens, you will have to obtain new rights by going online and synchronizing with the server. For this reason, do not begin an upgrade unless you have online access to the server.

When upgrading on Windows Vista or Windows 7, you may encounter a file lock and be prompted to retry, ignore, or cancel. You can safely use the ignore option if this happens.

36.2.8 Synchronizing Servers After an Upgrade of Oracle IRM Desktop

If you are upgrading to this release of Oracle IRM Desktop from a 10g release, you will not be synchronized to any servers (Oracle IRM Server). This will show as a blank list on the Servers tab of the Oracle IRM Desktop Options dialog. Servers are automatically added to the list when you open sealed documents for which you have access rights. The easiest way to repopulate your list of servers is to open documents that have been sealed against servers on which you have rights.

36.2.9 Reapplying Lost Settings After an Upgrade of Oracle IRM Desktop

If you are upgrading to this release of Oracle IRM Desktop from a 10g release, your previous settings (as shown on the Oracle IRM Desktop Options dialog) are not applied to the new installation. These include support for email systems, so you should reset these before attempting to work with sealed emails in Microsoft Outlook and Lotus Notes.

36.2.10 Changing Oracle IRM Account When Authenticated Using Username and Password

Oracle IRM Desktop caches user rights in an offline database. In earlier releases, this database was shared by all users of a machine. In this release, there is one offline database per Windows user.

You are strongly advised to use only one Oracle IRM account with each Windows account.

If you authenticate to the server (Oracle IRM Server) with a username and password, you can change the account you use as follows:

1. On the Update Rights tab of the Oracle IRM Desktop Options dialog, check in rights for all servers by clicking **Check in**.
2. On the Servers tab of the Oracle IRM Desktop Options dialog, select the server to be updated and click **Clear Password**.
3. Quit from any Oracle IRM-enabled applications, such as Adobe Reader and Microsoft Office.

If you think that Oracle IRM-enabled applications may still be running, restart Microsoft Windows.

4. On the Update Rights tab of the Oracle IRM Desktop Options dialog, synchronize rights for all servers by clicking Synchronize.

Users who are automatically authenticated to the server using Windows authentication cannot change their Oracle IRM account.

Access to the offline database is protected by your Windows credentials. You are no longer required to additionally authenticate to Oracle IRM when working offline.

36.2.11 Post-Installation Steps Required for Oracle IRM Installation Against Oracle RAC

To use Oracle RAC with an Oracle IRM instance, the Oracle IRM data source needs to be altered using the WebLogic Administration Console and the following procedure:

1. From Services, select **JDBC**, then select **DataSources**.
2. Select the OracleIRM data source.

3. On the Transaction tab, check **Supports Global Transactions**, then check **Emulate Two-Phase Commit**.
4. Click **Save**.

This will set the `global-transactions-protocol` for Oracle IRM data-sources for Oracle RAC to `EmulateTwoPhaseCommit`.

36.2.12 Enabling the Oracle IRM Installation Help Page to Open in a Non-English Server Locale

Use the following procedure to enable the Oracle IRM installation help page to open in a non-English server locale:

1. Unzip the `shiphome`.
2. Extract all the non-HTML files (7 files in total) from `help\en` in the `ecminstallhelp.jar` file located in `Disk1\stage\ext\jlib\`
3. Put these 7 files into the folder `jar` for the locale in which you will install ECM.
4. Overwrite `ecminstallhelp.jar` with the modified version.

36.3 Documentation Errata

There are no known issues at this time.

Oracle WebCenter Content

This chapter describes issues associated with Oracle WebCenter Content. It includes the following topics:

- Section 37.1, "General Issues and Workarounds"
- Section 37.2, "Configuration Issues and Workarounds"
- Section 37.3, "Documentation Errata"

37.1 General Issues and Workarounds

This section describes general issues and workarounds. It includes the following topics:

- Section 37.1.1, "Folio Items With Content IDs Containing Multibyte Characters Do Not Display Correctly in Safari"
- Section 37.1.2, "Site Studio Does Not Support Multibyte Characters in Site IDs, Directory Names, and Page Names"
- Edit Environment Variable Before Using Outside In Technology Suite On HP-UX PA-RISC (64-bit)
- Section 37.1.4, "Site Studio Publisher Does Not Support Multibyte Characters"
- Section 37.1.5, "Oracle WebCenter Content Servers and IPv6 Support"
- Section 37.1.6, "Content Categorizer Trace Log Settings Discontinued"
- Section 37.1.7, "Extra Lines Displayed Viewing Contribution Folders in Internet Explorer 8"
- Section 37.1.8, "WebDAV Connection Fails After Logout or Restart"
- Section 37.1.9, "Detailed Oracle OpenOffice Configuration Settings"
- Section 37.1.10, "Clarification When Setting Classpath to OpenOffice Class Files"
- Section 37.1.11, "Inbound Refinery PDF Conversion May Differ Visually from the Original Content"
- Section 37.1.12, "Mismatching User and Server Locales Prevent Access to Oracle E-Business Suite and PeopleSoft Managed Attachment Pages in WebCenter Content"
- Section 37.1.13, "Connection Issues with Windows to WebDAV"
- Section 37.1.14, "Manual Addition of xdoruntime.ear Library for Records Management"

- Section 37.1.15, "Using HCSP Custom Elements with SSXA"
- Section 37.1.16, "Backing Up Site Studio Websites Using Chrome"
- Section 37.1.17, "DAM Video Storyboard Errors With Chrome and Safari"
- Section 37.1.18, "Issues Applying Table Styles When Using FireFox and FCK Editor"
- Section 37.1.19, "Content Information Server Is Not Supported for 11g"
- Section 37.1.20, "Window Size Using Trays with FireFox"
- Section 37.1.21, "VB6 Component Dependency for Kofax 9"
- Section 37.1.22, "Using URLs With SSP Include and Exclude Filters"
- Section 37.1.23, "Disabling the Folders_g Deprecation Alert"
- Section 37.1.24, "Accessing ZipRenditionStaticAccess Scheduled Job Information"
- Section 37.1.25, "Check-in and Search Forms Pop Up Error Messages when UCM is in EBR Mode"
- Section 37.1.26, "View Publishing Errors Are Observed in Logs When UCM is in EBR Mode"
- Section 37.1.27, "Optimization Errors with External OracleTextSearch"
- Section 37.1.28, "Propagating the cwallet.sso Changes to Deployment Manager"
- Section 37.1.29, "UCM in EBR Mode Fails to Start when Dynamic Converter Component is Enabled"
- Section 37.1.30, "Content Tracker Report Date Format Supported in Nine Languages"

37.1.1 Folio Items With Content IDs Containing Multibyte Characters Do Not Display Correctly in Safari

If you use the Safari web browser to download content into a simple folio where one or more content IDs include multibyte characters, then these multibyte content IDs are displayed as '-----'. To avoid this, you can either use Internet Explorer or Firefox, or avoid using multibyte characters in content IDs.

37.1.2 Site Studio Does Not Support Multibyte Characters in Site IDs, Directory Names, and Page Names

Oracle Site Studio does not support multibyte characters in any value that will be used in URLs, including site IDs, directory names, and page names.

37.1.3 Edit Environment Variable Before Using Outside In Technology Suite On HP-UX PA-RISC (64-bit)

Simple text file to HTML conversion using `hcexport`, fails on HP-UX PA-RISC (64-Bit). To workaround this issue, set the `SHLIB_PATH` to the following directory before starting the Oracle Universal Content Management (Oracle UCM) server on HP-UX PA-RISC (64-Bit):

```
MW_HOME/ECM_ORACLE_  
HOME/ucm/idc/components/ContentAccess-hpux/hpux/lib/contentaccess
```

For eg:

```
export SHLIB_PATH=/scratch/aime/ECM/MWH0504R/Oracle_ECM1
/ucm/idc/components/ContentAccess-hpux/hpux/lib/contentaccess
```

37.1.4 Site Studio Publisher Does Not Support Multibyte Characters

Oracle Site Studio Publisher does not support multibyte characters.

37.1.5 Oracle WebCenter Content Servers and IPv6 Support

Oracle WebCenter Content servers are supported on IPv4/IPv6 dual-stack hosts, but not on "IPv6-only" hosts. The following topologies are supported:

- Oracle Database on IPv4 hosts
- Oracle WebCenter Content, Oracle WebCenter Content: Records, Oracle WebCenter Content: Inbound Refinery on IPv4/IPv6 dual-stack hosts
- Client (browser) on either IPv4 or IPv6 hosts

37.1.6 Content Categorizer Trace Log Settings Discontinued

The Content Categorizer-specific execution trace log settings are discontinued. Use the Content Server System Audit Information facility instead. To enable Content Categorizer execution trace, enter `contentcategorizer` in the Active Sections control of the Tracing Sections Information section of the Admin System Audit Information page.

37.1.7 Extra Lines Displayed Viewing Contribution Folders in Internet Explorer 8

When using Folders in Internet Explorer 8 with default settings, IE8 adds extra lines. This is solved by opening the Compatibility View Settings dialog and unselecting the **Display intranet sites in Compatibility View** checkbox.

37.1.8 WebDAV Connection Fails After Logout or Restart

In Windows 7 and Windows Vista clients, after logging out and logging back in or after restarting, the Network Place used to access WebCenter Content over WebDAV may no longer work. This is solved by deleting and recreating the connection.

37.1.9 Detailed Oracle OpenOffice Configuration Settings

When configuring Inbound Refinery to convert content using Oracle OpenOffice, additional configuration details can be found in the Oracle 10g release of the PDF Converter Installation and Administration Guide. The complete guide is available for download in either PDF or HTML format from Oracle Technology Network at the following URL:

http://download.oracle.com/docs/cd/E10316_01/ouc.htm

Oracle OpenOffice configuration is detailed in the "OpenOffice" section of "Installing Third-Party Applications" in Chapter 4, "Installing PDF Converter" and can be accessed directly at the following URL:

http://download.oracle.com/docs/cd/E10316_01/refinery/refinery_doc_10/pdfconverter/wwhelp/wwhimpl/common/html/wwhelp.htm?context=install_admin_pdfc_10en&file=page_04_19.htm

Oracle OpenOffice configuration is detailed in the "OpenOffice" section of "Installing Third-Party Applications" in Chapter 4, "Installing PDF Converter" and can be accessed directly at the following URL:

```
http://download.oracle.com/docs/cd/E10316_01/refinery/refinery_
doc_
10/pdfconverter/wwhelp/wwhimpl/common/html/wwhelp.htm?context=in
stall_admin_pdfc_10en&file=page_04_19.htm
```

37.1.10 Clarification When Setting Classpath to OpenOffice Class Files

In the Oracle Digital Asset Manager and Conversion Administration guide, chapter 2 "Managing Conversions" under the section "Configuring Content Server and Refinery Communication," step 2 asks you to enter:

```
JAVA_CLASSPATH_openoffice_
jars=<OfficePath>/Basis/program/classes/unoil.jar:<OfficePath>/URE/java/ridl.jar:<
OfficePath>/URE/java/jurt.jar:<OfficePath>/URE/java/juh.jar
```

Note that the true value for *<OfficePath>* is likely to include spaces and care must be taken when setting this in a Microsoft Windows environment.

Ensure that the paths are not enclosed in quotes, that slashes (/) are used for path separators and not backslashes (\), and that any space in the path is escaped using a backslash (\). For example, a properly formed classpath in a Windows environment could look like this:

```
JAVA_CLASSPATH_openoffice_
jars=C:/Program\Files/OpenOffice.org\3/Basis/program/classes/unoil.jar:C:/Program\
Files/OpenOffice.org\3/URE/java/ridl.jar:C:/Program\
Files/OpenOffice.org\3/URE/java/jurt.jar:C:/Program\ Files/OpenOffice.org\
3/URE/java/juh.jar
```

37.1.11 Inbound Refinery PDF Conversion May Differ Visually from the Original Content

Oracle WebCenter Content: Inbound Refinery makes every effort to maintain the visual integrity and formatting of content being converted from its native format to PDF, but Oracle cannot guarantee that the resulting PDF will be an exact visual replication.

37.1.12 Mismatching User and Server Locales Prevent Access to Oracle E-Business Suite and PeopleSoft Managed Attachment Pages in WebCenter Content

For the Oracle E-Business Suite and PeopleSoft managed attachment function in WebCenter Content, users are not granted access to managed attachment pages if their user locale does not match the server locale, which means they cannot view these pages.

37.1.13 Connection Issues with Windows to WebDAV

Supported Windows operating systems may have difficulty connecting to a WebDAV server running over HTTP and using HTTP Basic authentication in some situations. To correct for this, you must edit the registry of the client computer to enable Basic authentication. For detailed information, see Microsoft Knowledge Base Article 841215 at <http://support.microsoft.com/kb/841215>.

37.1.14 Manual Addition of xdoruntime.ear Library for Records Management

If the Records Management feature is installed in an Oracle WebCenter Content product, xdoruntime.ear library needs to be added manually from the Oracle WebLogic administration console after a domain is created. A reference to the library must be added to the weblogic-application.xml file of the Oracle WebCenter Content EAR file before the managed server is started for the first time.

To add xdoruntime.ear to the WebLogic WebCenter Content domain, follow these steps:

1. After a domain is created, start the Admin Server only. If a managed WebCenter Content server has already been started, then the administrator will have to perform additional steps to add reference to the deployed WebCenter Content server instance later.
2. Open WebLogic console in browser. Click on **Deployments** in the left pane. Browse the pages to check if there is already a xdoruntime.ear file in the WebLogic administration console. If it is already present, then no more steps need to be performed.
3. If no xdoruntime.ear file is present, click **Install** on the Deployments display. A file selection dialog opens. Browse the available file system and select xdoruntime.ear in the following path:

```
/FMW_HOME/Oracle_ECMI/ucm/idc/components/ReportPublisher/lib/xdoruntime.ear
```

4. Click **Next**. The option page to select the file as library opens. Select "Install this deployment as a library" and click **Next**.
5. The Target Selection Screen opens. Select all targets and click **Next**.
6. The Deployment Name screen opens. In the Security section, select "DD Only: Use only roles and policies that are defined in the deployment descriptors." In the Source accessibility section, select "Copy this application onto every target for me" and click **Next**.
7. In the Additional Configuration section, select "Yes, Take me to the deployment's configuration screen" and click **Finish**. The library is now deployed in the environment.

To reference the deployed library from the WebCenter Content Enterprise Application library, follow these steps:

1. Extract the cs.ear file from the following path:

```
/FMW_HOME/Oracle_ECMI/ucm/idc/components/ServletPlugin/cs.ear
```

2. In the extracted directory modify META-INF/weblogic-application.xml and add the following line for library reference:

```
<library-ref>
  <library-name>oracle.xdo.runtime</library-name>
</library-ref>
```

3. Create an archive file named cs.ear from the extracted modified directory and replace the file by the same name in the path it was retrieved from. This change will take for all undeployed WebCenter Content server instances.
4. Start the managed server.

If the managed server has been started at least once after the domain has been created, complete the following:

- Locate the `weblogic-application.xml` of the Oracle WebCenter Content enterprise application in the deployed WebCenter Content domain at a path similar to the following example:

```
/FMW_HOME/domain path/servers/UCM_server1/servers/UCM_server1/tmp/_WL_  
user/Oracle Universal Content Management - Content  
Server/k6ggd/META-INF/weblogic-application.xml
```

Modify the `META-INF/weblogic-application.xml` and add the following line for library reference:

```
<library-ref>  
  <library-name>oracle.xdo.runtime</library-name>  
</library-ref>
```

If the `UCM_server1` is not available in `/FMW_HOME/domain path/servers/`, then this step is not needed, as the managed server has not been started, which would have deployed the `UCM_server1` at this location.

37.1.15 Using HCSP Custom Elements with SSXA

When a new custom element form is created from scratch (rather than copying an existing form to build an element from), it may have issues loading properly in SSXA.

To use HCSP custom elements within SSXA, you must include the following in the SSXA application's `web.xml` file:

```
<mime-mapping>  
  <extension>hcsp</extension>  
  <mime-type>text/html</mime-type>  
</mime-mapping>
```

This will allow the files related to the custom element to be executed rather than downloaded.

37.1.16 Backing Up Site Studio Websites Using Chrome

When backing up a Site Studio website using Chrome, and manage the archive and download as a ZIP file, the name of the ZIP file might not be as expected.

The name of an archive downloaded as a ZIP file should be in this format: `server_DDMMYYYY_HHMMSS.zip`. But when using Chrome, the name may be `idcplg.zip`.

37.1.17 DAM Video Storyboard Errors With Chrome and Safari

The storyboard links on the Rendition Info page for a video item (which should make the video start playing at a specific spot) are not working in Chrome or Safari browsers with Windows Media or QuickTime player plug-ins. Nothing happens when you click on the links. They do work in Chrome and Safari with the flash player, and they work with all plugins in Firefox and IE.

37.1.18 Issues Applying Table Styles When Using FireFox and FCK Editor

When using FCK editor and FireFox with Site Studio Contributor, it is difficult to apply available table styles to a table. This is a functionality missing from FCK editor, and not a limitation of FireFox or Site Studio.

37.1.19 Content Information Server Is Not Supported for 11g

Oracle Content Information Server (CIS) is not supported for WebCenter Content 11g connections in any formats.

37.1.20 Window Size Using Trays with FireFox

When using the Trays view with Site Studio on the Content Server, some screens viewed in FireFox may not correctly fill the browser window.

37.1.21 VB6 Component Dependency for Kofax 9

Kofax 9 does not install VB6 components required for many of the Export Connectors. Install and register the required VB6 components to use the Export Connectors.

37.1.22 Using URLs With SSP Include and Exclude Filters

If URLs are used in the Include or Exclude Filters list then any periods ('.') will need to be escaped, otherwise the filter will fail. For example:

```
http://www\ .oracle\ .com/information/about\ .html
```

Note the '.' have been escaped with '\'

37.1.23 Disabling the Folders_g Deprecation Alert

There is an alert displayed when Folders_g is enabled that says, "The Folders_g component is in use but is now deprecated. Folders_g is replaced with the FrameworkFolders component, which implements the Folders feature. Folders_g data can be migrated to the new Folders feature."

To prevent this alert from displaying, open the config.cfg file and set the following configuration value:

```
DisableFoldersgDeprecationMessage=1
```

37.1.24 Accessing ZipRenditionStaticAccess Scheduled Job Information

The ZipRenditionManagement component automatically creates a scheduled job to aid in the creation of static renditions. This job is sometimes created at the wrong time during the setup or configuration process, which causes an error when an administrator accesses the **Administration > Scheduled Jobs Administration > Active Scheduled Jobs** page. If the administrator deletes the job and restarts Content Server, the job will be recreated, and the Active Scheduled Jobs page will not throw an error.

37.1.25 Check-in and Search Forms Pop Up Error Messages when UCM is in EBR Mode

When UCM is run in EBR mode, the following errors pop up when opening check-in or search forms.

```
"Unable to generate data for the view websiteobjecttypelist. Unable to build where clause for view WebsiteObjectTypeList. The field dKey does not exist in table OptionsList"
```

```
"Unable to generate data for the view packagedconversionslist. Unable to build where clause for for view PackagedConversionsList. The field dKey does not exist in table OptionsList"
```

"Unable to generate data for the view pdfwtemplatetypelist. Unable to build where clause for for view PdfwTemplateTypeList. The field dKey does not exist in table OptionsList"

"Unable to generate data for the view videorenditionslist. Unable to build where clause for for view VideoRenditionsList. The field dKey does not exist in table OptionsList"

As a result, some dropdowns in the forms are not populated with data.

37.1.26 View Publishing Errors Are Observed in Logs When UCM is in EBR Mode

Once UCM managed server is started, errors of the kind !csSchemaUnableToPublishView can sometimes be seen. These errors happen only when UCM is in EBR mode.

37.1.27 Optimization Errors with External OracleTextSearch

When using OracleTextSearch using an Oracle 11.2.0.2.0 database as an external search provider, optimization errors may appear in the logs. It is an issue with the database, not UCM. This issue is resolved in the 11.2.0.3.0 database.

37.1.28 Propagating the cwallet.sso Changes to Deployment Manager

The updates to the cwallet.sso file, in some cases, are not propagated from the UCM server to the Deployment Manager. In these cases, you must propagate the change manually.

The Oracle UCM server updates the cwallet.sso file located in

WAS_PROFILES/UCM_SERVER_NAME/config/cells/UCM_CELL_NAME/fmwconfig/

when it starts after completing configuration on the Post Install Configuration Page or after enabling PdfWatermark or BpelIntegration components. In these instances, propagate this change back to the Deployment Manager.

To do this, copy the cwallet.sso file to

WAS_PROFILES/DEPLOYMENT_MANAGER_NAME/config/cells/UCM_CELL_NAME/fmwconfig/

immediately after the start.

37.1.29 UCM in EBR Mode Fails to Start when Dynamic Converter Component is Enabled

When the UCM is in EBR mode, and Dynamic Converter is enabled, UCM managed server will not start due to an error with creating the HtmlConversions object. An ORA-00955 error will be referenced in this exception:

```
!csDbUnableToPerformAction_create,HtmlConversions!$ORA-00955: name is already used by an existing object
```

A possible workaround is to disable DynamicConverter component using ComponentWizard.

37.1.30 Content Tracker Report Date Format Supported in Nine Languages

Auto-filled dates in the Content Tracker Report page are only supported in nine languages. If the admin locale is not set to one of the nine languages, the date format is displayed in the default (English).

The nine supported admin locales are: Chinese-Simplified, Chinese-Traditional, Deutsche, English-UK, English-US, Espanol, Francais, Italiano, Japanese.

37.2 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds. It includes the following topics:

- [Section 37.2.1, "Minimum JDBC Driver Version Required for Oracle Text Search Component"](#)
- [Section 37.2.2, "Setting Security Privileges for Modifying Contribution Folders"](#)
- [Section 37.2.3, "Site Studio for External Applications \(SSXA\) Port Values for Oracle Content Server 10gR3"](#)
- [Section 37.2.4, "SSXA Required DC Version for Oracle Content Server 10gR3"](#)
- [Section 37.2.5, "Content Portlet Suite \(SCPS\) WebCenter as Producer Targeting Libraries"](#)
- [Section 37.2.6, "Logout URL for SSO Logout Integrating with Oracle Access Manager 11g"](#)
- [Section 37.2.7, "Using the Custom Truststore with the JPS Connection to ActiveDirectory"](#)

37.2.1 Minimum JDBC Driver Version Required for Oracle Text Search Component

The Oracle Text Search component that is part of WebCenter Content 11gR1 requires a JDBC driver version of 10.2.0.4 or higher. The component will not work with older JDBC driver versions.

37.2.2 Setting Security Privileges for Modifying Contribution Folders

By default, users only need RW privileges to modify contribution folders (Folders_g), where before the default was that RWD or owner was required unless collaboration was enabled.

Users explicitly relying on RWD privileges must set the environment variable to allow for this. WebCenter users and those with no upgrade issues are not affected.

For those who require RWD rather than RW, set the variable as:

```
FoldersModifyWithRW=false
```

37.2.3 Site Studio for External Applications (SSXA) Port Values for Oracle Content Server 10gR3

The JDeveloper Site Studio for External Applications connections dialog is pre-populated with a default web connection port value of 16200 for an Oracle Content Server 11g instance. Oracle Content Server 10gR3 web servers most often listen on port 80. As such, this value will likely have to be changed when connecting to an Oracle Content Server 10gR3 instance.

37.2.4 SSXA Required DC Version for Oracle Content Server 10gR3

To use dynamic conversion of native documents on your Site Studio web sites running off of Oracle Content Server 10gR3, you must install and configure Dynamic Converter build version 8.1.0.736 or greater.

37.2.5 Content Portlet Suite (SCPS) WebCenter as Producer Targeting Libraries

When creating a custom managed server, the following libraries need to be targeted to the newly created managed server (for example, CPS_Portlet). Note that the libraries for 11gR1 PS2 (11.1.1.3) are different from the libraries for 11gR1 PS3 (11.1.1.4) and 11gR1 PS4 (11.1.1.5) installation of WebCenter.

Libraries for 11gR1 PS2 (11.1.1.3) installation of WebCenter:

- oracle-ridc-client-app-lib(10.3.2,10.3.2)
- oracle-ucm-spi-app-lib(10.3.2,10.3.2)
- p13n-app-lib-base(10.3.2,10.3.2)
- vcr-app-lib(10.3.2,10.3.2)
- oracle.webcenter.framework(11.1.1,11.1.1)
- oracle.webcenter.spaces.fwk(11.1.1,11.1.1)

Libraries for 11gR1 PS3 (11.1.1.4) and 11gR1 PS4 (11.1.1.5) installation of WebCenter:

- oracle.ucm.ridc.app-lib(11.1.1,11.1.1)
- p13n-app-lib-base(10.3.2,10.3.2)
- oracle.webcenter.framework(11.1.1,11.1.1)
- oracle.webcenter.spaces.fwk(11.1.1,11.1.1)
- oracle.webcenter.framework.core(11.1.1,11.1.1)

When consuming Oracle Content Portlet Suite 11gR1 PS3 (11.1.1.4) on Oracle WebCenter 11gR1 PS3 (11.1.1.4), users will see the exception "java.lang.IllegalArgumentException:IdcContext.setUser() method not valid, do not use this method."

Contact Oracle support for the options available to resolve this issue.

37.2.6 Logout URL for SSO Logout Integrating with Oracle Access Manager 11g

When integrating WebCenter Content with Oracle Access Manager 11g, add the following to the Logout URL setting for the WebGate:

```
/oamsso/logout.html
```

37.2.7 Using the Custom Truststore with the JPS Connection to ActiveDirectory

JpsUserProvider should be up for WebCenter Content to be able to fetch users' roles/groups from the LDAP server. The JPS layer does not automatically pick up the SSL truststore configuration from WLS. Since a custom truststore is being used in the WLS configuration, the problem is that the JPS connection to ActiveDirectory is not using this custom truststore.

Therefore, set the following Java properties when starting UCM_server1:

```
Djavax.net.ssl.trustStore=<location of custom truststore>  
Djavax.net.ssl.trustStorePassword=<truststore password>
```

If you start the server from the command line using `startManagedWeblogic.sh` you can set the environment variable `EXTRA_JAVA_PROPERTIES` before invoking `startManagedWeblogic.sh`.

If you start the server using the NodeManager, these can be set using the WLS Admin console by setting the Arguments in the Server Start tab for the Configuration of `UCM_server1`.

37.2.8 Setting the Connection Pool for an External LDAP ID Store on IBM WebSphere Application Servers

An LDAP server is not automatically installed and configured when you install Oracle WebCenter Content on IBM WebSphere Application Server - Network Deployment (ND) or IBM WebSphere Application Server. Before you can configure WebCenter Content, you must install and configure an external LDAP identity store for your WebCenter Content applications. For information about how to set up external LDAP identity stores, such as Oracle Internet Directory, see the "IBM WebSphere Identity Stores" section of the "Managing Oracle Fusion Middleware Security on IBM WebSphere" chapter of the *Oracle Fusion Middleware Third-Party Application Server Guide*.

After the LDAP identity store is set up for a cell, you must set the `CONNECTION_POOL_CLASS` property in the cell's `jps-config.xml` file to avoid excessive LDAP connections. You need to add the following property to the `<serviceInstance>` entry in the file:

```
<property name="CONNECTION_POOL_CLASS"
value="oracle.security.idm.providers.stdldap.JNDIPool" />
```

To set the connection pool for an external LDAP ID store on IBM WebSphere application servers:

1. Modify your cell's `jps-config.xml` file with a text editor:

- a. Open the `WAS_HOME/profiles/profile_name/config/cells/cell_name/fmwconfig/jps-config.xml` file.

`WAS_HOME` is the location where the WebSphere application server is installed, `DISK/IBM/WebSphere/Application Server` by default, `profile_name` is the name of the WebSphere Deployment Manager profile for the cell, and `cell_name` is the name of the cell.

- b. Specify the `CONNECTION_POOL_CLASS` property in the `<serviceInstance>` entry as follows:

```
<serviceInstance name="idstore.ldap.0" provider="idstore.ldap.provider">
  <property name="subscriber.name"
value="dc=us,dc=oracle,dc=com" />
  <property name="CONNECTION_POOL_CLASS"
value="oracle.security.idm.providers.stdldap.JNDIPool" />
  <property name="bootstrap.security.principal.key"
value="bootstrap_idstore" />
  <property name="idstore.type" value="OID" />
  <property name="ldap.url" value="ldap://example.com:3060" />
  <property name="bootstrap.security.principal.map"
value="BOOTSTRAP_JPS" />
  <property name="user.login.attr" value="mail" />
  <property name="username.attr" value="mail" />
  <extendedProperty>
    <name>user.search.bases</name>
    <values>
```

```
        <value>cn=Users,dc=us,dc=oracle,dc=com</value>
    </values>
</extendedProperty>
<extendedProperty>
    <name>group.search.bases</name>
    <values>
        <value>cn=Groups,dc=us,dc=oracle,dc=com</value>
    </values>
</extendedProperty>
</serviceInstance>
```

2. Synchronize all managed nodes.
3. Restart all the servers.

For more information about installing and configuring Oracle WebCenter Content on WebSphere application servers, see the "Managing Oracle WebCenter Content on IBM WebSphere Application Servers" chapter of the *Oracle Fusion Middleware Third-Party Application Server Guide*.

37.3 Documentation Errata

This section describes documentation errata. It includes the following topics:

- [Section 37.3.1, "Content Portlet Suite \(CPS\) WSRP URLs for WebCenter as Producer"](#)
- [Section 37.3.2, "Oracle WebCenter Content Server Help in Fusion Middleware Control"](#)

37.3.1 Content Portlet Suite (CPS) WSRP URLs for WebCenter as Producer

After deploying the CPS EAR file to WebCenter as a producer, the WSDL URL for 11g PS2 (11.1.1.3) is different from the WSDL URL for PS3 (11.1.1.4) and PS4 (11.1.1.5). For more information, see the *Deployment Guide for Content Portlet Suite*, Section 3.1.4, Step 17.

WSRP URL for PS2 (11.1.1.3) installation of WebCenter:

```
http://Host_Name:Port/cps/portlets/wsrp1?wsdl
```

WSRP URL for PS3 (11.1.1.4) and PS4 (11.1.1.5) installations of WebCenter:

```
http://Host_Name:Port/cps/portlets/wsrp2?WSDL
```

37.3.2 Oracle WebCenter Content Server Help in Fusion Middleware Control

Some links in the Resource Center on the Oracle WebCenter Content Server home page in Oracle Enterprise Manager Fusion Middleware Control go to the default Oracle Enterprise Manager Online Help instead of help specific to WebCenter Content Server. You can use the default help window to navigate to information on using Fusion Middleware Control for WebCenter Content Server in *Oracle Fusion Middleware Administering Oracle WebCenter Content*.

Oracle WebCenter Content: Records

This chapter describes issues associated with Oracle WebCenter Content: Records. It includes the following topics:

- [Section 38.1, "General Issues and Workarounds"](#)
- [Section 38.2, "Configuration Issues and Workarounds"](#)
- [Section 38.3, "Documentation Errata"](#)

In addition to the information discussed here, see the chapter in this release note documentation concerning Oracle WebCenter Content. Issues which affect WebCenter Content may also affect Records.

38.1 General Issues and Workarounds

This section describes general issues and workarounds. It contains the following sections:

- [Section 38.1.1, "Role Report Output is Dependent on User Generating the Report"](#)
- [Section 38.1.2, "Items Returned When Using Screening"](#)
- [Section 38.1.3, "Oracle Text Search and Report Configuration Options"](#)
- [Section 38.1.4, "Upgrade from 10g Audit Trail Periods Missing"](#)
- [Section 38.1.5, "DB2 Databases and FOIA/PA Functionality"](#)
- [Section 38.1.6, "Sorting and Listing Retention Category Content"](#)
- [Section 38.1.7, "Using Firefox to Configure the Dashboard"](#)
- [Section 38.1.8, "Setting Security Group for Retention Items"](#)

38.1.1 Role Report Output is Dependent on User Generating the Report

A role report can be generated by choosing **Records** then **Reports** then **Role** from the Main menu. Note that the output of the report may not show all data for all roles. The output is dependent on the user who is generating the report and the permissions given to that user.

38.1.2 Items Returned When Using Screening

It should be noted that screening is a retention feature that only returns content items with a life cycle or items that are frozen.

38.1.3 Oracle Text Search and Report Configuration Options

When using Oracle Text Search, an incompatibility existed with the options to exclude report templates and reports in search results. These options appear on the Configure Report Settings Page.

It is now possible to exclude reports in search results by selecting the **Exclude Reports in Search Results** checkbox. However, if the **Exclude Report Template in Search Results** checkbox is selected, templates are still included in searches. Oracle is aware of this issue and is working to fix it in a future release.

38.1.4 Upgrade from 10g Audit Trail Periods Missing

When upgrading this product from release version 10g to release version 11g, the complete audit trail dates are not available. The audit periods from 2001 to 2010 should be present after upgrading, but only periods between 2001 to 2006 are present. The missing years can be added manually. Oracle is aware of this issue and is working to fix it in a future release.

38.1.5 DB2 Databases and FOIA/PA Functionality

Due to the size of the database used with the Freedom of Information Act/Privacy Act (FOIA/PA) functionality, the FOIA/PA option is not supported for those sites using DB2 for their database.

38.1.6 Sorting and Listing Retention Category Content

When retention categories are sorted then listed, they are listed on a per-source basis. For example, if three sources are used (Source1, Source2, Source3), all items from Source1 are sorted as a separate group, items from Source2 are sorted as a separate group, and items from Source3 are sorted as a separate group. Then items from each source are displayed in a "round robin" style with the first item of Source1, the first item from Source2, and the first item from Source3, followed by the second item of each source.

38.1.7 Using Firefox to Configure the Dashboard

"Drag and drop" functionality to move dashboard panels is not available when using the Firefox browser. Instead, you should remove the panel and re-insert a new panel in the proper location.

38.1.8 Setting Security Group for Retention Items

Items created for use in the Retention Schedule should have the security group set to recordsgroup rather than Public. If set to Public, non-URM users may have access to items in the Retention Schedule when performing standard searches.

38.2 Configuration Issues and Workarounds

This section describes configuration issues and workarounds. It contains the following sections:

- [Section 38.2.1, "Import FOIA Archive Error Message"](#)
- [Section 38.2.2, "Restart Required: Performance Monitoring and Reports"](#)
- [Section 38.2.3, "Audit Trail Sorting Results and Database Fulltext Search"](#)

- [Section 38.2.4, "Prefix Size Limitation When Using Offsite Storage"](#)
- [Section 38.2.5, "Enabling Email Metadata Component"](#)
- [Section 38.2.6, "Relative Web Root Must Be Changed"](#)
- [Section 38.2.7, "Configuring 10g Adapters for Version 11g"](#)
- [Section 38.2.8, "Configuring RSS Reader for Dashboard"](#)

38.2.1 Import FOIA Archive Error Message

Importing the Freedom of Information Act (FOIA) archive from the Setup Checklist page may display a spurious error message stating *Archiver is already running, please try again later*.

This error may be safely ignored. It is generated because the click to initiate the archive is registered twice. Ignore the warning, wait fifteen minutes and then see if the alert notification for that task is removed. The import of the archive can also be confirmed by opening the Archiver and verifying that the FOIAPrivacyAct archive is present.

38.2.2 Restart Required: Performance Monitoring and Reports

After performance monitoring is selected and enabled, the Content Server must be restarted in order for monitoring to commence. Note that a restart is also required after configuration of the software in order for all report options to appear on the appropriate menus.

38.2.3 Audit Trail Sorting Results and Database Fulltext Search

When sorting the audit trail using Oracle DB, the output depends on the type of sort being performed.

When sorting with Database Fulltext Search, sorting is case-sensitive, meaning that upper case items will always appear first in a list. When sorting with Oracle Text Search, a case-insensitive search is performed.

38.2.4 Prefix Size Limitation When Using Offsite Storage

If offsite storage functionality is enabled on the system, the total size allowed for the content ID for a physical item is 11 characters. When setting up offsite storage, verify if automatic assignment of IDs is enabled and if so, make sure the content prefix is set to 5 characters or less.

38.2.5 Enabling Email Metadata Component

If the EmailMetadata component is installed for use with WebCenter Content, a configuration variable must be set in order for the user interface to be made available in Records.

Set the `ShowEmailMetadataMenu` variable to `TRUE` in the `emailmetadata_environment.cfg` file in the `/components/EmailMetadata` directory.

Restart Content Server after setting the variable then refresh or reload the browser. Options become available to map email fields to metadata fields. To use those options, choose **Administration** then **Configure Email Metadata** from the Main menu.

38.2.6 Relative Web Root Must Be Changed

When upgrading from the 10g version, the `HttpRelativeWebRoot` configuration parameter must be changed in the `config.cfg` file to the following:

```
HttpRelativeWebRoot=/urm/
```

It is critical to change the parameter exactly as shown.

38.2.7 Configuring 10g Adapters for Version 11g

A connection address must be changed to enable 10g adapters to work with version 11g.

Previous connection strings were similar to the following example:

```
http://myhost.mycompany.com:myport/URMinstance/idcplg
```

The new connection string should be similar to the following example:

```
http://myhost.mycompany.com:myport/_dav/URMinstance/idcplg
```

The addition of the `_dav` string is all that changes.

38.2.8 Configuring RSS Reader for Dashboard

The following configuration variables should be set in the `config.cfg` file to configure the RSS Reader in the Dashboard.

If the Content Server is used behind a proxy server, the proxy address and port number must be set:

```
RssProxyServerAutoDetected= content server network's proxy address
```

You must also configure the proxy port for the content server network:

```
RssProxyPortAutoDetected=content server network's proxy port
```

38.3 Documentation Errata

This section describes changes in the documentation. It contains the following sections:

- [Section 38.3.1, "Menu Name Changes Not Reflected in Documentation"](#)
- [Section 38.3.2, "Physical Content Management Services Not Documented"](#)
- [Section 38.3.3, "Additional FTP Option for Offsite Storage"](#)

38.3.1 Menu Name Changes Not Reflected in Documentation

The **External Performance Monitoring** menu listed in documentation should be changed to **Performance Monitoring**. This is accessed by choosing **Records** then **Audit** then **Performance Monitoring** from the Top menu.

38.3.2 Physical Content Management Services Not Documented

The following services were omitted from the PCM services documented in the *Oracle WebCenter Content Services Reference Guide*:

- `GET_RELATED_CONTENT`: retrieves a page used to show Related Links for the specified content. The following are additional required service parameters:
 - `dSource`: source being used for the search (for example, "Physical").
 - `dID`: the unique identifier of the external item.
 - `dLinkTypeID`: the unique identifier for the related content type link.
- `GET_EXTERNAL_ITEM_SEARCH_RESULTS`: retrieves a page used to search physical items. The following are additional required service parameters:
 - `dSource`: source being used for the search (for example, "Physical").
 - `QueryText`: the text used for the search.
 - `ErmSearchTable`: the source table name. This should be `EXTERNAL_SOURCE` for a Physical source.
 - `SearchEngineName`: the search engine to use. Default is `DATABASE`.
 - `SearchQueryFormat`: the search query format to use. Default is `UNIVERSAL`.

38.3.3 Additional FTP Option for Offsite Storage

The option to use `sftp` is now available (in addition to other options) as the FTP protocol when creating Offsite Storage. This was omitted from the documentation.

