Oracle® Fusion Middleware

Release Notes for Oracle Forms

14.1.2.0.0
F39035-02
March 2025

Oracle Fusion Middleware Release Notes for Oracle Forms, 14.1.2.0.0

F39035-02

Primary Author: Oracle Corporation

Contents

Preface

Learn about the issues you may encounter when using Oracle Forms and how to workaround them.

Audience

This document is intended for users of Oracle Fusion Middleware Forms 14*c* (14.1.2).

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 customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

Related Documents

You can refer the Oracle Fusion Middleware Library for additional information.

- For Oracle Forms 14*c* information, see Oracle Forms Documentation Library.
- Oracle Forms Developer Online Help, available from the Help menu in Oracle Forms Developer.
- For Oracle Forms white papers and other resources, see Oracle.com.
- For upgrade information, see Fusion Middleware Upgrade Documentation.
- For release-related information, see Fusion Middleware Release Notes.

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.
italic	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.

1

Introduction

This chapter provides an introduction to Release Notes for Oracle Forms.

The following sections are included:

Latest Release Information

This document is accurate at the time of publication. Oracle will update the release notes periodically after the software release.

The Release Notes in this document are specific to the latest Oracle Forms. You can access additional information on the Oracle Forms product page on Oracle.com.

Purpose of this Document

This document contains the release information for the latest version of Oracle Forms. It describes differences between the software and its documented functionality.

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

System Requirements and Specifications

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

To review information such as hardware and software requirements, database schema requirements, minimum disk space and memory requirements, and required system libraries, packages, or patches, see Oracle Fusion Middleware System Requirements and Specifications.

Certification Information

To see versions of platforms and related software for which Oracle Forms is certified and supported, go to Oracle Fusion Middleware Supported System Configurations.

Product Documentation

For complete documentation on Oracle Forms, go to https://docs.oracle.com/en/middleware/developer-tools/forms/index.html.

Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support at https://support.oracle.com.

Licensing Information

Licensing Information help you to understand the program editions, entitlements, restrictions, prerequisites, special license rights, and/or separately licensed third party technology terms associated with the Oracle software program(s).

To review the licensing information document, see Licensing Information User Manual.

Downloading and Applying Required Patches

After you install and configure Oracle Forms, there might be cases where additional patches are required to address specific known issues.

You can check for the latest patches available for your Oracle Fusion Middleware product or component by registering and logging in to My Oracle Support at: https://support.oracle.com.

After you log in to My Oracle Support, click the **Patches & Updates** tab, which provides various tools that allow you to quickly locate the patches most important to your Oracle software installation.

> **Note:**
>
> It important that you review the README file that is included with each patch. The README file includes important information about the requirements and procedures for applying the patch.

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What's New in this Release

Learn the features, enhancements, and changes made to Oracle Forms.

The following sections introduce the new and changed features for Oracle Forms and Reports in 14.1.2, and provides pointers to additional information:

- Runtime Improvements and New Features
- Form Builder Improvements and New Features
- Forms Standalone Launcher Improvements and New Features
- Administration Improvements and New Features
- Installation Improvements and New Features

> **Note:**
>
> This section highlights only the most important features and enhancements in 14.1.2. Other features and enhancements are covered in the Forms documentation and the Form Builder Help.

See also the Oracle Forms product page for more information.

Runtime Improvements and New Features

Review to this section for runtime improvements and new features for Oracle Forms 14.1.2.

Feature	Description
Runtime user interface improvements	Most Forms widgets now include a variety of new properties that allow application developers to improve the appearance and behavior of their applications. Some of those enhancements include the ability to save visual space by including prompt-like text within a text field, data that can now be represented as a progress bar or gauge, auto-complete combo boxes, and many more.
Access data from REST services	Since version 9.0 of Forms, accessing data for an application was only possible when connected to an Oracle Database. REST integration exposes a programmatic (PL/SQL) way in which CRUD operations can be performed on data provided by REST services.
Integration with Continuous Query Notification	Continuous Query Notification has been a feature of the Oracle database for a long time. However, now you can easily take advantage of it directly from Forms without the need to perform any registration tasks in the database or create database procedures. This is exposed in Forms as a new Database Event. Forms supports both **object change notification** (OCN) and **query result change notification** (QRCN). Refer to the Builder Help and Using Continuous Query Notification (CQN) in the *Database Development Guide* for details.

Feature	Description
Block Sorting	Sorting data in a multi-record Forms data block is nothing new. This was always possible simply by issuing a query with an `ORDER-BY` clause. However, doing this can be expensive and time consuming. With the new `SORT_BLOCK` built-in you can sort any block, based on data already retrieved, at any time without having to ask the database to perform that sorting. As a result, there is less cost on the database tier and network and the user gets the results much faster.
Glass Fill Pattern	You can now use the “glass” fill pattern on most Forms UI objects to make them transparent. This can be helpful, for example, if an application previously used graphic (boiler) text to create a screen title, but it was always desirable to have the ability to change that text at runtime. Unfortunately, graphic text cannot be changed at runtime. With the “glass” fill pattern, a Forms display item can be used in place of that graphic text. As a result, the text within the display item can be changed programmatically at runtime. Color, images, patterns will be visible through the object whose pattern is set to “glass”.
Auto-size Blocks	With the auto-size block property enabled, multi-record blocks automatically show/hide the number of visible rows based on the needs of the query executed. For example, if a block is configured to show ten rows but an executed query only returns three records, the seven unused rows are automatically hidden. (Vertical scroll bar length will not change automatically, but can now be changed programmatically.)
2FA support for Java Web Start	You can now enable two-factor authentication (2FA) when a Forms application is configured to launch using Java Web Start. This 2FA support requires the user to enter a randomly-generated number in the application before it will start. The number is generated on the user’s machine system browser. This functionality helps to ensure that the generated JNLP file is not shared with other users.
Automatically delete JNLP after use	JNLP files are now automatically deleted after they have been used. Running Forms with Java Web Start required that a JNLP file be downloaded to the user machine before the application could be started. However, because this file name is always the same, the user’s machine would end up storing many of these files unnecessarily. This feature results in improved usage of disk space, less risk of users running applications using obsolete configuration settings, and improved security.

Form Builder Improvements and New Features

Review to this section for Form Builder improvements and new features for Oracle Forms 14.1.2

Feature	Description
REST Package Designer	The REST Package Designer (RPD) is used to create special Forms PL/SQL Program Units that can be used for accessing REST services. RPD allows you to create the operation and/or authorization packages manually or automatically, if a properly formatted OpenAPI (Swagger) document is available for the desired service.
Multi-select Open File dialog	The **Open File** selection dialog now supports selecting more than one file, thereby allowing you to open many files at one time.
Database connect name	Database connection name (alias) appears in the Builder message bar.
Create XML after saving	A new Builder Preference, "Create XML After Saving", that causes the Builder to create an XML version of the module being saved automatically. This results in having both a binary and human-readable version of the file, which is ideal for source control. This only applies to “Forms” modules, which include FMB, MMB, OLB.

Feature	Description
New Form level property “Application”	A new form-level property, "Application", in the Property Palette that allows developers to provide an application name to a module. More than one application name can be provided. This is a free-form text field. However, it is recommended that multiple entries be comma separated. This property is only accessible through the Forms JDAPI or CAPI. It is not a runtime-accessible property. The main purpose of this property is to allow JDAPI or CAPI developers the ability to determine if a module is a component of a particular application.
Improved support for long table names and columns	Database table and column names are supported up to 128 bytes long. Previously the limit was 30 bytes.

Forms Standalone Launcher Improvements and New Features

Review to this section for Forms Standalone Launcher (FSAL) improvements and new features for Oracle Forms 14.1.2

Feature	Description
FSAL auto-update	FSAL now supports auto-updating within the same major release (for example, for patch updates). FSAL was introduced in Forms 12*c*. Although this utility offered an ideal way to launch applications, it came with a variety of undesirable administration tasks to maintain it—for example, the need to manually patch/update the user’s FSAL launcher when the server was patched. This feature improves the update process.
SSL/TLS certificate importer improvements	A new argument, `-bypassHostnameVerification`, has been introduced to allow for the bypassing of hostname verification. Although bypassing hostname verification is strongly discouraged for production cases, it is sometimes needed when testing. Previously, automatic certificate importing did not support the ability to address cases where the hostname could not be verified—for example when trying to use the Oracle provided Demo certificate which is a self-generated certificate.
Clear cache	Use the FSAL argument, `-clearCache`, to clear the cache. This makes clearing the FSAL cache easier by not having to recall exactly where the cache is stored.

Administration Improvements and New Features

Review to this section for administration improvements and new features for Oracle Forms 14.1.2

Feature	Description
Edit Forms configurations in Fusion Middleware Control using a full text editor	The Forms **Advanced** page in Fusion Middleware Control has been improved. Although this Advanced editing page exists in version 12*c*, it has been extended and now includes most of the common Forms configuration files. This allows administrators to make larger changes in configuration files easily, rather than having to work one line at a time. It also allows administrators to replace the contents of an entire file easily by simply copying and pasting from another file.
Bulk Remote Access Descriptor uploading	Upload many RAD entries at one time. This is ideal for when you configure new systems.

Installation Improvements and New Features

Review to this section for installation improvements and new features for Oracle Forms 14.1.2

Feature	Description
New Forms lightweight domain template (for development and testing)	A new Forms domain template is included in the Configuration Wizard. This new template—named "Oracle Forms Development"—is used to create a lightweight domain that is ideal for application developers. This lightweight template does not require the Fusion Middleware Infrastructure database repository, making install and setup easier and faster for application developers.

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Deprecated and Desupported Features

This chapter provides information about features that have been deprecated and desupported in Oracle Forms and Reports.

Oracle Forms

This section provides information about features that have been deprecated or desupported in Oracle Forms.

For information about features that have been desupported from Oracle Forms, see Preparing to Upgrade.

Audio Playback Feature

Beginning with the first release of Oracle Java 8 after April 2025, JavaFX (JFX) is no longer included in Java 8 and is therefore no longer supported.

As a result, audio playback functionality in Forms applications is no longer supported when the user attempts to run an application with Java 8 versions newer than the April 2025 release (in the Java 8 family). Audio playback is only possible when running applications using the Forms Standalone Launcher (FSAL) with Java 17 or newer along with the third party release of JFX.

Refer to Client Configurations in *Working with Oracle Forms* for more information on how to obtain JFX and use FSAL with applications that use audio playback functionality.

sign_webutil Utility Script

The `sign_webutil` utility script has been desupported and is not included in this release.

It is recommended that you consider using digital signature certificates obtained from an industry recognized Certificate Authority. Although self-signing can be used for testing and development, it should be avoided in production in order to limit any impact to the end-user experience. In order to sign custom JAR files, the Java jarsigner utility will be needed to insert your certificate into your custom JAR files. Refer to the Java documentation for details on how to use the jarsigner utility or contact the Certificate vendor for assistance.

Embedded Applet

Running Oracle Forms applications with the embedded applet configuration (for example, using Internet Explorer or MS-Edge with IE-mode) is no longer recommended.

Support for this configuration may be limited due to the desupport of the Java Plugin and desupport of Internet Explorer and other browsers that previously supported embedded applets. Information about which components in Java are supported can be found in the *Oracle Java Support Roadmap* web page at `https://www.oracle.com/java/technologies/java-se-support-roadmap.html`.

Refer also to Oracle Fusion Middleware Supported System Configurations and Client Configurations in *Working with Oracle Forms* for details related to supported configurations.

Oracle Reports

This section provides information about features that have been deprecated or desupported in Oracle Reports.

Oracle Reports Developer and Oracle Reports Services

Although included in this release, Oracle Reports has been deprecated. Oracle is not planning any functional enhancements other than critical bug fixes and changes necessary to make it compatible with a new supporting technology stack. For more information, refer to the Reports Statement of Direction available here.

Oracle recommends migrating to Oracle Analytics Publisher (formerly called BI Publisher) for reporting purposes. Oracle Analytics Publisher is Oracle's strategic product for enterprise reporting. This reporting solution allows authoring, managing, and delivering pixel-perfect customer facing reports against various data sources with web browser or familiar desktop tools.

Oracle Reports Naming Service

The Reports Naming Service has been desupported. It is no longer included in the installation. A replacement technology may be provided in a future release or patch set.

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Lifecycle Management Information

This chapter describes the installation, configuration, upgrade and migration issues associated with Oracle Forms.

The following sections are included:

- Oracle Forms Installation and Configuration Issues
- Upgrade and Migration Issues

Oracle Forms Installation and Configuration Issues

This section describes installation and configuration changes, issues and their workarounds.

It includes the following topics:

- WebUtil-Enabled Applications Require JACOB Version 1.21
- Using Version 23.5.0 of the Database Client
- Eclipse/Jetty Version Required for Java Script and Java Web Start Integration
- Post Installation Tasks

WebUtil-Enabled Applications Require JACOB Version 1.21

Oracle Forms 14.1.2 uses the third-party library, JACOB, for enabling OLE support when using WebUtil. This Forms version supports—and the installation is pre-configured to use—JACOB 1.21. It will be necessary to make changes in the WebUtil configuration if any other version is used.

JACOB is a JAVA-COM bridge that enables you to call COM automation components from Java. It uses JNI to make native calls to the COM libraries. JACOB runs on x86 and x64 environments supporting 32 bit and 64 bit JVMs.

Regardless of which version you choose to use, you must download, sign, and insert the library set into the appropriate directories before use. Refer to the Forms Builder Help for more information.

Current releases are available on GitHub here: https://github.com/freemansoft/jacob-project/releases.

> **Note:**
>
> Oracle is not responsible for the availability, stability, or support of JACOB. The features in Oracle Forms that use JACOB are used optionally. Therefore, the use of JACOB is not required to run Forms applications. Its use is only required if you choose to use WebUtil and its OLE functionality. Issues specific to JACOB should be reported on the site mentioned above.

Using Version 23.5.0 of the Database Client

The following are the issues with Forms using the database client:

- This Forms installation is based on Oracle Database 23.5.0. As a result, all application modules must be regenerated prior to running. Once application modules have been regenerated in the new version, they (source or runtime files) will not be backward compatible with any earlier versions. Backup copies of application modules should be created before attempting to regenerate or open in the Forms Builder. This process cannot be reversed.
- User exits should be regenerated using a version 23.5.0 pre-compiler.

Eclipse/Jetty Version Required for Java Script and Java Web Start Integration

Eclipse/Jetty version 9.4.54 or later is required for Forms Java Script Integration (WebSocketJSI). If using Jetty version 10.x or later, the user must use Java 11 or later to run the application.

This jar file must be signed with a trusted and known certificate. For information on how to sign jar files see the Java documentation. If using Java Web Start for deployment, add the Jetty jar reference to `extensions.jnlp`.

The required file (`jetty-all-<version>.jar`) can be downloaded here: https://repo1.maven.org/maven2/org/eclipse/jetty/aggregate/jetty-all/.

> **Note:**
>
> Oracle is not responsible for the availability, stability, or support of Jetty. The features in Oracle Forms that use Jetty are used optionally. Therefore, the use of Jetty is not required to run Forms applications. Its use is only required if you choose to use WJSI and its Java Script integration functionality. Issues specific to Jetty should be reported to Jetty at https://jetty.org/support.html.

Post Installation Tasks

After installing and configuring Oracle Forms, administrators should identify the relevant expiration dates embedded in the provided applet JAR files in order to be prepared for their eventual expiration.
There are several signatures embedded within some of the provided JARs (for example, `frmall.jar`). Each signature has a unique purpose and expiration date. For information about how digital signatures work, refer to the Oracle Java documentation.

The signed JAR files can be found in the `ORACLE_HOME/forms/java` directory.

You can test the desired JARs using the `jarsigner` executable in the JDK included in the installation. For example:

- On Windows: `jarsigner -verify -verbose frmall.jar | find "expire"`
- On Unix/Linux: `jarsigner -verify -verbose frmall.jar | grep "expire"`

The Signer Certificate date represents the last date that the certificate can be used to sign new JAR files. Since the provided JARs were signed before that date, this expiration is mostly irrelevant and can be ignored. However, it may be used in the event the Timestamp cannot be validated, which requires an Internet connection.

The Timestamp is used to ensure that the JAR was signed during a valid period. This validation test can continue through the expiration date of the Timestamp. As mentioned, if the Timestamp cannot be validated the Signer Certificate expiration is assumed to be the last valid date the JAR can be used.

If you have JAR files that are approaching the Timestamp expiration, contact Oracle Support in order to receive updated files.

Upgrade and Migration Issues

This section describes issues associated with the upgrade and migration process of Oracle Forms.

It includes the following topics:

Upgrade Guidance

To view the list of Oracle Forms changed or obsolete features, see Preparing to Upgrade.

To upgrade Oracle Forms, see Upgrading Oracle Forms in the *Installing Oracle.Forms* guide.

Enhanced Forms Webutil File Transfer Speeds

In this release, we have improved Forms Webutil file upload and download transfer speeds by up to 30% by increasing the maximum allowable value of `WebUtilMaxTransferSize` to 24573.

> **Note:**
>
> When upgrading, run the `create_webutil_db.sql` script included in the installation to ensure you can take advantage of the improved file transfer speeds. Make sure you generate and use the `webutil.pll` file that is included in the installation. Do not copy this file from an earlier version.

5

Known Issues and Workarounds

This chapter lists the known issues and workarounds associated with Oracle Forms and Oracle Reports.

The following topics are included:

- Oracle Forms Issues and Workarounds
- Oracle Reports Issues and Workarounds

Oracle Forms Issues and Workarounds

This section details issues pertaining to Oracle Forms, and their workarounds.

Table 5-1 Oracle Forms Issues and Workarounds

Issue	Operating System	Description
Oracle Forms Builder Run Form Button Fails	All	Attempting to use the Run Form button in the Forms builder may fail if the form is not first saved in a directory included in `FORMS_PATH`. Alternatively, add the working directory to `FORMS_PATH`. This will generally be the `MIDDLEWARE_HOME \bin` directory. This is an intended change in behavior and prevents directory paths from being added to a URL. Although not recommended, the behavior of previous versions can be restored by removing (or commenting) the entire `FORMS_MODULE_PATH` entry from `default.env`.
Web Start Does Not Work When WLS_FORMS is Behind a Proxy	All	Attempting to start a Forms application using Web Start will fail if `WLS_FORMS` is behind a proxy server. To correct this problem, set `WEBSTART_CODEBASE` in `formsweb.cfg` to the fully-qualified path of the `CODEBASE` as it appears from the external server. For example: `https://OHShost:OHSport/forms/java`

Table 5-1 (Cont.) Oracle Forms Issues and Workarounds

Issue	Operating System	Description
Forms Standalone Launcher (FSAL) proxy server settings may not work as expected	All	FSAL does not pick up proxy server settings. This issue may prevent accessing servers outside the organization's environment. This issue should not impact users accessing applications within the organization. A post-release patch is planned.
LD_PRELOAD Setting Required for Signal Chaining Facility	Linux/UNIX	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`.
Unable to Generate some Modules Types Using some `NLS_LANG` Settings	Linux/UNIX	When setting the `NLS_LANG` Territory to some regions, the compiler may fail and throw a FRM-30312 error. To work around the issue, change the `NLS_LANGUAGE` from the typical region's language to `AMERICAN`. For example, change `CROATIAN_CROATIA.UTF8` to `AMERICAN_CROATIA.UTF8`.

Table 5-1 (Cont.) Oracle Forms Issues and Workarounds

Issue	Operating System	Description
Builder and other Forms utilities not working after completing out-of-place upgrade.	Microsoft Windows	The tooling used to perform the out-of-place upgrade does not update the Windows Registry key associated with the Fusion Middleware Oracle Home. As a result, all sub-keys that contain a reference to the path of the Oracle Home will refer to the old location and not the new location. **WARNING:** Because improperly altering the Windows Registry can cause permanent damage to the operating system, it is important to crea

Table 5-1 (Cont.) Oracle Forms Issues and Workarounds

Issue	Operating System	Description
		te a bac kup of the key bein g alter ed and/ or the entir e Reg istry . If you are not fami liar with editi ng the Reg istry , plea se con sult with som eon e who has exp erie nce mak ing suc h cha nge s and/ or refe r to

Table 5-1 (Cont.) Oracle Forms Issues and Workarounds

Issue	Operating System	Description
		your Microsoft documentation. To correct the problem, review the entries found in the Registry key associated with this Middleware installation (for example, `HKEY_LOCAL_MACHINE\SOFTWARE\Oracle\KEY_OracleHome<NUMBER>`). Manually correct any entries that refer to the path where the Oracle Home was previously located. The corrected value should refer to the path of the new Home location. Alternatively, you can use the Forms Windows Helper script (`frmwinconfig`). Refer to the utility's command line help for details. The utility can be found in the `Oracle_Home\forms\provision` directory. Run the utility as follows to display usage information: `frmwinconfig option=help`
Shortcut Keys not Working with JAWS	Microsoft Windows	When using Forms Builder with JAWS, the keyboard shortcuts Ctrl+Insert to create items are not working. As a workaround, use the menu-mnemonics. Use Alt+E to open the **Edit** menu, then R to choose **Create** to create items.
Stop `dejvm` before Stopping and Restarting `WLS_FORMS`	Microsoft Windows	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.

Table 5-1 (Cont.) Oracle Forms Issues and Workarounds

Issue	Operating System	Description
Unclear Text and Image Rendering	Microsoft Windows	On desktops where the Windows Display scaling value is set to any value other than 100%, some distortion may be seen when using Java 11 or later with the Forms Standalone Launcher. As a workaround, change the Windows Display scaling setting to 100%. It may be necessary to log out of the current Windows session and log in again for the changes to completely restore proper rendering. One or more of the following Java switches may also help to mitigate the issue. Exactly which is needed will depend on the exact symptom. • `-Dsun.java2d.dpiaware=true` • `-Dsun.java2d.uiScale=true` • `-Dsun.java2d.autoScaleThreshold=1.5` • `-Dsun.java2d.uiScale=1.0`
Windows registry entries for domain overwritten when creating additional domain(s)	Microsoft Windows	Attempting to configure more than one domain against an Oracle Home results in the Windows Registry entries for the newest domain overwriting the previously configured domain. This should not impact the Forms runtime behavior, but can impact the Forms tooling (such as the Builder, Compiler, and so on).
Runtime Issue in Oracle Forms Compiler	Solaris	To resolve a crash of the Oracle Forms compiler at exit, while running compiler, Forms Builder and setting the `NLS_LANG`, the user also needs to set the environment variable `LC_ALL`. `export LC_ALL=C`

Table 5-1 (Cont.) Oracle Forms Issues and Workarounds

Issue	Operating System	Description

HTTP 404 error when running a form	SUSE Linux	After a seemingly successful installation and creation of the WLS Domain, all attempts to run a form result in an `HTTP 404` error.
		To resolve the issue:
		1. Stop all managed servers.
		2. Locate the `setStartupEnv.sh` file in `$DOMAIN_HOME/bin` directory and open it for editing.
		3. Add the following entry immediately below the comments near the top of this file, but above the first code line:
		`LD_LIBRARY_PATH="<ORACLE HOME>/lib${CLASSPATHSEP}${LD_LIBRARY_PATH}"`
		`export LD_LIBRARY_PATH`
		where <*ORACLE HOME*> is the fully-qualified path to the Oracle Home directory for this installation.
		4. Save the changes and close the file.
		5. Restart the server(s) and retest.

FADS does not support deploying application packages that include sql scripts	IBM AIX	FADS does not support deploying application packages that include sql scripts because Oracle Java and SqlDeveloper are not supported on this platform. These programs are required for FADS to process sql files properly.

Oracle Reports Issues and Workarounds

This section details issues pertaining to Oracle Reports, and their workarounds.

Table 5-2 Oracle Reports Issues and Workarounds

Issue	Operating System	Description
Naming Service not available in the initial release of 14.1.2.0.	All	The Reports Naming Service is not available in this release. Plans to provide support for an alternative to the Naming Service in the future are being investigated.

6

Issues Fixed in this Release

The chapter lists the issues fixed in this release.

Refer to the following tables for issues listed by component:

- Table 6-1: Issues Fixed in Oracle Forms
- Table 6-2: Issues Fixed in Oracle Reports

Table 6-1 Issues Fixed in Oracle Forms

Issue ID	Description
8341904	BEVEL PLAIN IS NOT PRESERVED IN FORMS BUILDER
4349781	LINE THICKNESS IGNORED WHEN USING ORACLE LOOK AND FEEL
36238986	APPS6: ADA: YELLOW REQUIRED POPLIST NEEDS 'REQUIRED' ATTRIBUTE FOR JAWS
36081237	APPS6: ADA: JAWS SCREEN READER DOES NOT SPEAK NAMES OF PROGRAMMATICALLY DISPLAYED FIELDS
36049043	LDAP RESOURCE ADMINISTRATION SCREEN PERFORMANCE
35696735	SOME LABEL NAMES ARE CHANGED PARTIALLY FROM CROATIAN TO ENGLISH OR TRUNCATED
35687821	COMPILE "PL/SQL ERROR 422" AFTER UPGRADE TO ORACLE FORMS 12.2.1.19
35515196	SET_MENU_ITEM_PROPERTY DOES NOT CHANGE LABELS WHEN USING &
35504582	ORA-00600 WHEN COMPILING FORM MODULE IN ORACLE FORMS 12C
35492354	APPS6: ADA: WCAG COMPLIANCE NEEDED FOR REQUIRED FIELD IN FORMS (REQUIREDFIELDVABGCOLOR)
35256640	UPGRADE ASSISTANT FAILING TO UPGRADE FORMS MULTINODE (OUT-OF-PLACE) CONFIGURATION
34722718	FORMSAPP-DIAGNOSTIC.LOG ISN'T UPDATED AFTER UPGRADING TO FORMS 12.2.1.4
34620714	302000 - NON-ORACLE EXCEPTION WHEN ATTEMPTING TO OPEN LARGE FILES
34602166	ADD_GROUP_COLUMN - COLUMN_WIDTH HAS NO EFFECT IN DYNAMIC RECORD GROUP
34565300	SEGMENTATION FAULT COMPILING WITH FORM_DOC=YES FOR SOME FORMS
34504719	APPS6: CANNOT OPEN URLS (FRM-92080) FROM FORMS ON TURKISH LANGUAGE DESKTOP AFTER 32878968
34361697	UNABLE TO PROGRAMMATICALLY SET DETAILITEMREF IN A RELATION
34142432	FORMS DYNAMICALLY CREATED JNLP FILES DO NOT EXPIRE
34023084	FORM BUILDER CRASHES WHEN ATTEMPTING TO USE SOME GIF IMAGES IN BUTTONS
34001741	FORMS HANGS OR CRASHES WHEN LOV OR EDITOR FILL PATTERN SET TO "NONE"

Table 6-1 (Cont.) Issues Fixed in Oracle Forms

Issue ID	Description
33878830	INCORRECT REPORT STATUS RETURNED ON BI REPORT IF USER DOES NOT HAVE ADMIN PRIVILEGES
33874951	READ_IMAGE_FILE NEEDS TO BE CALLED TWICE TO DISPLAY THE IMAGE
33865599	APPLICATION SUDDENLY BECOMES EXTREMELY SLOW
33845625	FIELD VALUES CHANGE TO #### WITH UTF8 AND "DATA LENGTH SEMANTICS" INSTEAD OF BEING TRUNCATED
33768138	FRMWEB.EXE CRASHES WHEN A FORM IS REPEATEDLY OPENED AND CLOSED
33666644	XML CONVERTER CRASHING WHEN CONVERTING XML TO FMB
33589702	MISSING SOME CODE AFTER FMB CONVERSION TO XML
33526275	BUG IN WEBUTIL_C_API.INVOKE_WU FUNCTION
33443189	FRM-93652 WHEN QUERING AN TIF IMAGE FROM A BLOB IN DATABASE
33362978	WINDOW LOSING THE CONTORL OF SPECIFIC SCREEN
32945689	FORMAT MASK WITH CASE INSENSITIVE OPTION THROWS ERROR FRM-40357
32632313	ITEM DOES NOT GET FOCUS WHEN RUN WITH FSAL MODE WITH JAVA 11,13 & 17
32588390	FADS CONFIGURATION ISSUE NO KEYSTORE CREATED AFTER FADS_CONFIG.PY
32575023	FRM-93652 INSERTING DATA INTO A VIEW
32460115	JAVA CODE WRITTEN AGAINST JDAPI FAILS WHEN RUNNING WITH JDK 8U261 OR NEWER
32448427	INTERMITTENT FRM-93652 (CRASH) NAVIGATING VIA NEXT KEY (F7)
32343504	WEBUTIL_HOST.BLOCKING WITH BLOCKALLOWHEARTBEAT FREEZES FORMS - NOTEPAD 2 TIMES
32181938	FORMS FADS NOT ABLE TO PROCESS SQL SCRIPTS AGAINST AUTONOMOUS DATABASE
31920357	FRM-93652 WHEN CLICKING ON IMAGE ITEM AFTER RETURNING FROM ANOTHER APP
31737440	ADMIN CONSOLE/EM HANG ON LOGIN; REFERENCES TO UIFONTPROPERTYPERSISTENCEMANAGER
31522541	FORM USING DBMS_AQ CRASHES WITH FRM-93652 ERROR
31136433	APPS6:FORM FAILS WITH FRM-92050 ERROR IF CLIENT COMPUTER NAME IS KOREAN
30684548	FORM BUILDER CRASHES WHEN ENABLING FORMS_PLSQL_BHVR_COMMON_SQL
29769989	FORMS BUILDER CONNECT DB PROBLEM
29432418	AUTOSKIP FAILS CONVERT THEN INPUT WORD BEFORE PRESS "ENTER" KEY FOR CONFIRM
293433	TRIGGERS TO ENFORCE RELATIONS NOT RECREATED WHEN CHANGE RELATION TYPE
29323296	DEFAULT WHERE/ORDER BY WITH CARRIAGE RETURN AFTER WHERE/ ORDER BY QUERY FAILS WITH FRM-40505
29231212	AUTOSKIP FAILS AFTER 2ND TIME INPUT MULTI-BYTE IF LOCKING MODE SET TO DELAYED
29146516	CANNOT RECOGNIZE TRADITIONAL CHINESE_TAIWAN.UTF8

Table 6-1 (Cont.) Issues Fixed in Oracle Forms

Issue ID	Description
25611527	FRM-92091 ON SET_ITEM_PROPERTY (X_POS) ON IMAGE ITEM AFTER SCROLL
22961892	APPS6: FOCUS LOSS ISSUE WITH WINDOW SWITCHING WHILE OPENING 2ND FORM
21949179	APPS6: FORM CRASHES WHEN THERE IS AN ALERT MESSAGE IN CALLING FORM
1830310	APPS6: ADA: CANCEL QUERY WINDOW DOES NOT SPEAK TEXT WITH SCREEN READER

Table 6-2 Issues Fixed in Oracle Reports

Issue ID	Description
36267503	COMBINATION OF ENGLISH AND HEBREW IS NOT DISPLAYED CORRECTLY WHEN “(“ IS IN THE TEXT
35385369	SRW.RUN_REPORT DOES NOT FORMAT FIELDS PROPERLY
35363833	OCI ORACLE REPORTS EMAIL DISTRIBUTION WITH OFFICE365 SMTP FAILS WITH STARTTLS
34715182	ERROR REP-0501 ORA-12162 FOR RADIUS AUTHENTICATION ON REPORTS SERVER
34147526	DISTORTED UNDERLINES IN BOILERPLATE TEXT PDF OUTPUT
33771612	OCI EMAIL DELIVERY DOESN'T WORK FROM REPORTS WITH STARTTLS
33701281	RTL WRONG POSITION OF LEXICAL REFERENCE IN BOILERPLATE TEXT WITH MULTIPLE LINES
32829116	WRONG FORMAT WHEN USING NLS_DATE_FORMAT WITH ENVID AND VARIOUS NLS_LANG
31036009	GETSERVERINFO PAGE RETURNS REP-56033 ERROR IN REPORTS 12C
29607652	DATA MISSING IN DELIMITED OUTPUT FORMAT