

# Oracle® Fusion Middleware

## Release Notes for Oracle Forms and Reports



12c (12.2.1.3.0)

E80067-06

April 2019

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

Oracle Fusion Middleware Release Notes for Oracle Forms and Reports, 12c (12.2.1.3.0)

E80067-06

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## 5 Bugs Fixed in this Release

# Preface

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

## Audience

This document is intended for users of Oracle Fusion Middleware Forms and Reports 12c (12.2.1.3.0).

## 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 that have purchased support 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

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

- For 12c Oracle Forms information, see Oracle Forms and Reports 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 <http://www.oracle.com/technetwork/developer-tools/forms/documentation/index.html>
- 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:

<b>Convention</b>	<b>Meaning</b>
<b>boldface</b>	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.

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# 1

## Introduction

This chapter provides an introduction to Oracle Forms and Reports Release Notes.

The following sections are included:

- [Latest Release Information](#)
- [Purpose of this Document](#)
- [System Requirements and Specifications](#)
- [Certification Information](#)
- [Product Documentation](#)
- [Oracle Support](#)
- [Licensing Information](#)
- [Downloading and Applying Required Patches](#)

## 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 and Reports. You can access the latest information and additions to these release notes on the Oracle Technology Network, see <http://www.oracle.com/technetwork/developer-tools/forms/documentation/index.html>.

## Purpose of this Document

This document contains the release information for the latest version of Oracle Forms and Reports. 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 and Reports 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 and Reports is certified and supported, go to Oracle Fusion Middleware Supported System Configurations.

## Product Documentation

For complete documentation on Oracle Forms and Reports, go to <http://docs.oracle.com/en/middleware/>.

## 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 and Reports, 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 is 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.

# 2

## What's New in this Release

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

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

- [New Features](#)
- [Deprecated Features](#)

### New Features

This section contains information about new and changed features that are being introduced in the release, features that have been enhanced, and changes to existing features.

#### Oracle Forms

The following list provides an overview of new features and enhancements:

- [JavaScript Integration for Java Web Start and Forms Standalone Launcher](#)
- [Forms Application Deployment Services](#)
- [Support for Setting Smart Bar Size](#)
- [Row Banding Support](#)
- [Gradient Color Canvas Support](#)
- [Icon Name Property and Cursor Style Property](#)
- [Forms Advanced Configuration for Oracle Enterprise Manager Fusion Middleware Control](#)
- [Form Builder Multiple Monitor Support](#)
- [Form Builder File Open, Save, and Save As Dialog Box Modernized](#)
- [Support for Obtaining Modified Date through Forms WebUtil](#)

See [Oracle Forms 12c New Features](#) white paper on [Oracle Forms Technical Listings](#) page in Oracle Technology Network (OTN).

### JavaScript Integration for Java Web Start and Forms Standalone Launcher

From Oracle Forms 12c (12.2.1.3.0) release, it will be possible to communicate with HTML content in a browser even though the running Forms application will not have a parent browser when using Java Web Start or Forms Standalone Launcher. Leveraging Eclipse/Jetty, an extremely lightweight web listener, a Forms application can now communicate with a web page through Web Socket connections. This feature requires the download and signing of Jetty (9.4.5.v20170502) from Eclipse. Download

the jar file from maven central <http://central.maven.org/maven2/org/eclipse/jetty/aggregate/jetty-all/9.4.5.v20170502/jetty-all-9.4.5.v20170502-uber.jar>.

See Forms and JavaScript Integration for Java Web Start and Forms Standalone Launcher

## Forms Application Deployment Services

The Forms Application Deployment Services (FADS) allows administrators or developers to package applications, deploy, configure, and store archived copies of the applications with the click of a button. Administrators can also associate a version number with the deployed application. The FADS web interface, allows administrators to check the status of deployments, deploy updated application versions, delete no longer needed applications, and others. A command-line interface is also available, which may help for scripting automated deployment jobs or other tasks where using a web interface may not be efficient.

See Oracle Forms Application Deployment Services (FADS).

## Support for Setting Smart Bar Size

The current default height of the Smart Bar can fit icons of 16x16 pixel size. To customize/set the height of the Smart Bar to allow larger icons, a new applet parameter `smartBarHeight` has been added.. The valid values for this parameter are `medium`, `large`, and `dynamic`. If set at `medium`, the Smart Bar can fit icon sizes up to 32x32 pixel and `large` value means that up to 48x48 pixel is allowed. A value of `dynamic` mean that the Smart Bar inherits whatever value is provided in `clientDPI` settings.

See Customizing Smart Bar Size

## Row Banding Support

The Row Banding Frequency property specifies whether a particular block or item should support row banding (also known as Pinstriping). With row banding, every n-th instance of the item would appear in a different background color. This would be based on the item-instance and not the record itself, so that as the data scrolled, the different coloring would remain intact. This optional property applies to block-level and item-level background color. The default value for both blocks and items is 0, which means row banding is not enabled. The valid values for this property are numbers between 0 and 255.

For information about using Row Banding Frequency property, see Oracle Forms Developer Online Help.

## Gradient Color Canvas Support

The Gradient Start Side Property specifies the side of the canvas or tab-pages from where the gradient color begins, or that there should be no gradient color used. Users can define the gradient color of a canvas or tab-page in any of the 4 directions (top-to-bottom, bottom-to-top, left-to-right, or right-to-left). The specified background color of the canvas will be used at the start position and it will gradually shift to an appropriate end color at the opposite side. This optional property applies to content-canvases, stacked canvases, tab-canvases and tab-pages. The default value is `NONE`, which

means no gradient coloring will be applied. The valid values for each gradient color are numbers between 0 and 255.

For information about using Gradient Start Side property, see Oracle Forms Developer Online Help.

## Icon Name Property and Cursor Style Property

Icon Name property associated with `TAB_PAGE_PROPERTY`, and Cursor Style property associated with `ITEM_PROPERTY`, has been added to the Form Builder Property Palette as declarative settings. Adding the properties to Property Palette will help you to set their values easily and also render these properties in a consistent manner with other properties.

**Icon Name Property:** This property specifies the filename of the icon resource that you want to represent the tab page label or window. It applies to button, menu item, window, and tab page. If this property is set programmatically to the default value (for example, `NULL`), the icon will return back to the value set at design time.

**Cursor Style Property:** This property specifies the object's mouse cursor style that is displayed while hovering over that object. Use this property to dynamically change the shape of the cursor. The property can be set programmatically and setting the property value as `DEFAULT`, means the cursor style will use the GUI-specific arrow symbol.

For information about using Icon Name property and Cursor Style property, see Oracle Forms Developer Online Help.

## Forms Advanced Configuration for Oracle Enterprise Manager Fusion Middleware Control

The Advanced Configuration page is used to add, edit, and delete configuration template and key binding files using a free text editor. On the Forms Enterprise Manager Fusion Middleware Control Home page, click **Advanced Configuration** to open the Advanced Configuration page. Select a category in **Select Category** list box, to display all the related files in **Select File** list box. You can select a file in **Select File** list box, to display and edit its contents in Edit box.

See Managing Configuration Template and Key Binding Files

## Form Builder Multiple Monitor Support

`FORMS_ASSUME_MULTI_MONITOR` environment variable has been added to the Form Builder. If this variable is set to `FALSE (0)`, subsequent startups of the Form Builder will always appear on the main display even though they may have been previous exited from a secondary monitor. If set to `TRUE (1)`, the Form Builder will return to the position where it was upon exit, even if the secondary monitor is no longer available.

For information about using this environment variable, see Oracle Forms Developer Online Help.

## Form Builder File Open, Save, and Save As Dialog Box Modernized

Form Builder File Open, Save, and Save As dialog box has been updated to use the Microsoft Windows system default Open/Save dialog box version. This update improves Form Builder usability and provides resizing, and other helpful features.

## Support for Obtaining Modified Date through Forms WebUtil

The following two new APIs has been added to Forms WebUtil\_File package to support fetching the last modified date of a file.

- `FILE_MODIFIED_EPOCH` (`file_name` Varchar2) return NUMBER: This method returns the last modified date of a file (supplied as argument to the method) in number format (EPOCH, ticks from 01/01/1970).
- `FILE_MODIFIED_DATE` (`file_name` Varchar2) return Varchar2: This method returns a string which contains last modified date of a file (supplied as argument to the method) in readable format.

For information about available functions in WebUtil\_File package, see Oracle Forms Developer Online Help.

## Deprecated Features

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

For information about features that have been removed from Oracle Forms, see [Preparing to Upgrade](#).

## Deprecation Notice for Oracle Reports

Oracle Reports has been deprecated as of Fusion Middleware 12c Release 2 (12.2.1.3.0). This means that no further development of Oracle Reports is planned for the future. In future releases, Oracle is not planning any functional enhancements for Oracle Reports other than critical bug fixes.

Oracle recommends migrating to Oracle BI Publisher for reporting purposes. Oracle BI 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.

# 3

## Lifecycle Management Information

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

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:

- [Oracle Forms 12.2.1.3.0 Server on IBM AIX Might Crash While Serving the User Request](#)
- [Non-Internet Explorer Browser Proxy Settings when Using One-Button-Run](#)
- [Oracle Forms 12c Application Supports JACOB Version 1.18-M2](#)
- [ColorScheme Default Value Changed](#)
- [Change in Time Zone Support](#)
- [Update SqlDeveloper Version](#)
- [Maximum File Size for FADS Archive Upload](#)
- [Eclipse/Jetty Version Required for Java Script and Java Web Start Integration](#)
- [Changes to Create Report Dialog Box](#)

### Oracle Forms 12.2.1.3.0 Server on IBM AIX Might Crash While Serving the User Request

After you have successfully installed and configured Forms Server 12.2.1.3.0 on IBM AIX, you might notice Forms server crashing while serving the user requests. You might also see the following error text:

```
exec(): 0509-036 Cannot load program frmweb because of the following errors:  
rtld: 0712-001 Symbol CreateIoCompletionPort was referenced from  
module $ORACLE_HOME/lib/libclntsh.so(), but a runtime definition of the symbol was  
not found.
```

Forms 12.2.1.3.0 is bundled with the IBM AIX Database Client 12.1.0.2.0 version. The issue is related to the IOCP API symbols dependency in Database 12.1.0.2 client library.

To resolve this issue for IBM AIX, enable the IOCP module in Forms Server installation machine.

On IBM AIX on POWER Systems (64-Bit), enable I/O completion ports (IOCP) before initiating the install process.

To check if the IOCP module is enabled, run the lsdev command: `$ lsdev | grep iocp`

The following sample output shows the IOCP status is set to Defined and hence not enabled: `iocp0 Defined I/O Completion Ports`

By default, IOCP is set to Defined.

To enable IOCP, set IOCP status to Available using the following procedure:

1. Log in as root and run the following command: `# smitty iocp`.
2. Select Change / Show Characteristics of I/O Completion Ports.
3. Change configured state at system restart from Defined to Available.
4. Run the lsdev command to confirm the IOCP status is set to Available:

```
$ lsdev | grep iocp
iocp0 Available I/O Completion Ports
```

Perform a system restart to make the changes permanent.

## 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.

## Oracle Forms 12c Application Supports JACOB Version 1.18-M2

Oracle Forms 12c, when configured with Webutil at runtime, supports JACOB version 1.18-M2 to perform the client side OLE integration. Notice that this version of JACOB is different from the versions supported in the previous releases of Oracle Forms.

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.

## ColorScheme Default Value Changed

Oracle Forms 12c, colorscheme default value has been changed from TEAL to SWAN. This value has been set in the formsweb.cfg as part of the initial installation configuration.

```
colorScheme=SWAN
```

This colorscheme presents Forms with an updated and modernized look and feel. It also resembles the Fusion Middleware Control and all other components that are used

to manage Forms12c. If you want the old colorscheme, change the value in the default section of the Forms Web Configuration (formsweb.cfg).

## Change in Time Zone Support

Oracle Forms uses time zone data to support the ADJUST\_TZ built-in and to adjust the date/time displayed in DATETIME items. Values loaded from the database or set by application logic are interpreted as being in the "server" time zone, whereas values displayed in DATETIME items are converted from the server time zone to the end-user "local" time zone. The server time zone is specified by FORMS\_DATETIME\_SERVER\_TZ, and defaults to GMT. The end-user local time zone is specified by FORMS\_DATETIME\_LOCAL\_TZ, and defaults to the time zone of the java client. Notice that the default values for FORMS\_DATETIME\_SERVER\_TZ and FORMS\_DATETIME\_LOCAL\_TZ are usually different.

In previous release, Forms interpreted a null value for FORMS\_TZFILE as an indication that no time zone adjustment should occur for DATETIME items. As of Forms 12c (12.2.1) release, FORMS\_TZFILE is no longer inspected, so there is no specific mechanism for suppressing time zone adjustment of DATETIME items. Therefore, customers who were leaving FORMS\_TZFILE unset will see a change in behavior compared to Forms 11g (11.1.2) and older unless they take some action to ensure that the end-user local time zone is identical to the server time zone. To ensure this you must add FORMS\_DATETIME\_LOCAL\_TZ=GMT to the environment variable configuration file, for example, default.env.

FORMS\_DATETIME\_SERVER\_TZ defaults to GMT, so there is no need to set it to GMT explicitly if you are planning to use the above procedure.

## Forms and Reports Using 12.1.0.2.0 Database Client

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

- Beginning with 12.2.1.3.0, installation is based on Oracle Database 12.1.0.2.0. 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 to 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 12.1.0.2.0 pre-compiler.

## Update SqlDeveloper Version

If the domain being created (or extended) is to include Forms Application Deployment Service (FADS), the SqlDeveloper version installed in the associated Oracle Home must be upgraded to version 4.2.x or newer, but not to exceed version 17.4. This update must be completed before configuring the WLS domain to include FADS.

## Maximum File Size for FADS Archive Upload

The Forms Application Deployment Service (FADS) web interface supports 100meg maximum archive (.far) file size limit. If you attempts to deploy files larger than 100meg may result in web server timeout errors and the deployment will fail. For large files, use client utility instead of the web interface.



## ADF Errors/Warnings Related to FADS

Some of the ADF errors and/or warnings in Admin Server logs which are related to FADS can be ignored; unless FADS is not functioning properly.

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

Eclipse/Jetty version 9.4.5 is required for Forms Java Script Integration (WebSocketJSI). This jar file must be signed with a trusted and known certificate. For information on how to sign jar files see Java documentation. If using Java Web Start for deployment, add the Jetty jar reference to extensions.jnlp. The required files can be downloaded from the following locations:

- <http://www.eclipse.org/jetty/download.html>
- <http://central.maven.org/maven2/org/eclipse/jetty/aggregate/jetty-all/9.4.5.v20170502/jetty-all-9.4.5.v20170502-uber.jar>

## Changes to Create Report Dialog Box

The Form Builder Create Report dialog box will not be displayed when creating new report objects. In order to re-enable this dialog box, set `FORMS_SHOW_REP_DIALOG=1` in the Form Builder environment.

## Upgrade and Migration Issues

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

It includes the following topics:

- [Upgrade Guidance](#)

## Upgrade Guidance

To view the list of Oracle Forms changed or obsolete features, see [Preparing to Upgrade](#).

To upgrade from Oracle Forms 10g or Oracle Forms Services 11g (11.1.x), see:

- [Planning an Upgrade to Oracle Fusion Middleware 12c](#)
- [Upgrading Oracle Forms and Reports](#)

# 4

## Known Issues and Workarounds

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

The following topics are included:

- [Oracle Forms General Issues and Workarounds](#)
- [Oracle Reports Issues and Workaround](#)

### Oracle Forms General Issues and Workarounds

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

The following topics are included:

- [Microsoft Windows Issues and Workarounds](#)
- [Linux/UNIX Issues and Workarounds](#)
- [Solaris Issues and Workarounds](#)
- [Other Known Issues and Workarounds](#)

### Microsoft Windows Issues and Workarounds

This section describes issues related to Oracle Forms and Microsoft Windows.

It includes the following topics:

- [Shortcut Keys not Working with JAWS](#)
- [Stop dejvm Before Stopping and Restarting WLS\\_FORMS](#)

#### Shortcut Keys not Working with JAWS

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

Before restarting the Oracle WebLogic managed server, all the JVM Controller processes (`de jvm`) started by that server must be stopped. Otherwise, `WLS_FORMS` will not restart after a shutdown.

### Linux/UNIX Issues and Workarounds

This section describes issues related to Oracle Forms and Linux/UNIX.

It includes the following topics:

- [LD\\_PRELOAD Setting Required for Signal Chaining Facility](#)
- [Check the Reports Engine Logs for FRM-41214](#)

## 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`.

## 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.

## Solaris Issues and Workarounds

This section contains issues related to Oracle Forms and Solaris.

It includes the following topic:

- [Runtime Issue in Oracle Forms Compiler](#)

## Runtime Issue in Oracle Forms Compiler

To resolve crash of Oracle Forms compiler at exit, while running compiler, Forms Builder and setting the `NLS_LANG`, user also needs to set the environment variable `LC_ALL`.

```
export LC_ALL=C
```

## Other Known Issues and Workarounds

The section describes other known issues with Oracle Forms.

The following topics are included:

- [Oracle Forms Builder Run Form Button Fails](#)
- [Web Start Does Not Work When WLS\\_FORMS is Behind a Proxy](#)
- [Oracle Reports Integration Requires New Environment Variable](#)
- [Forms Builder will not Start on Linux 7 \(OEL and RedHat\) and SLES 12 SP1 Operating System](#)
- [Changes and Workarounds Affecting the Number of Characters that can be Typed into an Item](#)
- [Install Relevant Patches for Running and Accessing FADS Properly](#)

## Oracle Forms Builder Run Form Button Fails

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, which 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

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, http://OHShost:OHSport/forms/java.

## Oracle Reports Integration Requires New Environment Variable

For applications that use the Oracle Forms built-in RUN\_REPORT\_OBJECT to integrate with Oracle Reports, it will be necessary to add a new environment variable to the Forms environment configuration (that is, default.env). The new variable name is COMPONENT\_CONFIG\_PATH and its value should be the fully qualified path to the Reports Tools Component. For example: DOMAIN\_HOME/config/fmwconfig/components/ReportsToolsComponent/<reports\_tools\_component\_name>

## Forms Builder will not Start on Linux 7 (OEL and RedHat) and SLES 12 SP1 Operating System

Forms Builder will not start on Linux OEL7 or RedHat7 and SUSE Linux Enterprise Server 12 SP1 or newer operating system. The following error appears:

*Error while loading shared libraries: libXm.so.3: cannot open shared object file: No such file or directory.*

This is the result of the Forms Builder expecting to find libXm.so.3. This version does not exist for newer Linux versions. To work-around the problem, create a soft link.

1. Create a soft link named libXm.so.3 to libXm.so.4 under /usr/lib64/

```
ln -s /usr/lib64/libXm.so.4.0.4 libXm.so.3
```

2. Add it to LD\_LIBRARY\_PATH

```
export LD_LIBRARY_PATH=$LD_LIBRARY_PATH:/usr/lib64
```

## Changes and Workarounds Affecting the Number of Characters that can be Typed into an Item

### Issue

1. When a form is created using the Forms builder (frmbld), the item property Query Length defaults to zero. When a form was compiled in releases before 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. The process how "input" and "output" format masks are selected for a combo box, or for a text item whose format mask is not set is described in *About Format Elements for Dates*. Notice that the `FORMS_USER_DATE_FORMAT` or `FORMS_USER_DATETIME_FORMAT` environment variable may specify multiple input format masks. Also observe that for any input format mask that does not contain `FX`, alternate format masks are also allowable, as described in *String-to-Date Conversion Rules in 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 for 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.

### Workaround

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 before 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.

Notice that specifying the `FX` modifier will disallow the alternate format masks that are described in *String-to-Date Conversion Rules in Format Models* of the SQL Reference. Also observe 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.

## Install Relevant Patches for Running and Accessing FADS Properly

You should download and install patches after completing the installation and configuration of Forms Application Deployment Services (FADS).

The patches should be installed to complete the post-configuration tasks and for FADS to work properly. You should install them in the same order as the following list:

- 27601763
- 28644227
- 26732884

Download the patches from Oracle Support <http://support.oracle.com>.

## Oracle Reports Issues and Workaround

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

The following sections are included:

- [Use JDBC Thin Connection Format in Reports Server Configuration](#)
- [Admin Pages are Not Available in Enterprise Manager](#)
- [Oracle Reports Not Starting when Length of Oracle Home path is more than 64 characters](#)

### Use JDBC Thin Connection Format in Reports Server Configuration

When using database as job repository or job status repository, JDBC thick connection urls in reports server configuration files will not work. Instead use JDBC thin connection urls. If connection is of JDBC thick connection format `<property value="dbSid" name="dbconn"/>` change it to JDBC thin connection format, for example, `<property value="example.com:dbport:dbSid" name="dbconn" />`.

### Admin Pages are Not Available in Enterprise Manager

Oracle Reports Administration pages are not available in Enterprise Manager from release 12.2.1.1.0.

As an alternative to Reports Administration pages use Oracle Reports Servlet and Enterprise Manager MBean browser for Reports administration, see [Administering Oracle Reports Services Using Oracle Enterprise Manager](#).

### Oracle Reports Not Starting when Length of Oracle Home path is more than 64 characters

Oracle Reports executable may not start when length of oracle home path is more than 64 characters in Windows platform.

Contact Oracle Support <http://support.oracle.com> for the latest available patch.

# 5

## Bugs Fixed in this Release

The chapter provides a table that summarizes the Oracle Forms bugs/issues fixed in this release.

**Table 5-1 Bug Fixed Summary**

Bug ID	Description
25885650	FRM-93652 WHEN CLOSING A FORM WITH UNSAVED RECORDS
25796146	'FRM -93652 :THE RUN TIME PROCESS HAS TERMINATED ABNORMALLY' FOR UPGRADED FORM
25794361	FRM-93652 AFTER PATCH 25766598
25790854	ALLOW FORMS TOOLBARS ICONS TO SCALE PROPORTIONATELY ON HIGHER RESOLUTION MONITOR
25757471	SECURE EXTERNAL PASSWORD STORE (SEPS) DOES NOT WORK IN FORMS 12.2.1.2.0
25741067	SYSTEM EVENT (SYSTEM_CLIENT_IDLE) FAILS WITH FRM-93652 IN 12c
25651525	FORMS12c GETTING FRM-93652 WHEN TRYING TO UPDATE Basetable BLOCK
25575488	FRM-92091 JSOJECT.GETWINDOW
25457573	FRM-93652 ERROR USING RUN_REPORT_OBJECT IN FORMS 12c HP-UX ENVIRONMENT
25438407	CALL TO BI PUBLISHER FROM FORMS FAILS WHEN USING JVM CONTROLLER
25422749	WHEN-EVENT-RAISED TRIGGER NOT FIRING
25413053	ERROR INITIALISING THE FORMS JDAPI
25406792	FRM-92091: UNEXPECTED FATAL ERROR IN CLIENT-SIDE JAVA CODE
25313655	4 BYTE JAPANESE TURNS INTO GARBLED CHARACTER
25260411	JAVA NPE IN FORMS APPLET
25239940	12c:FRM-93652 WITH SET_RECORD_PROPERTY CHANGED_STATUS AFTER POST
25192780	FORMS RAD SERVLET HANGS WHILE CREATING EMPTY RAD
25143879	FORMS CRASH AFTER MULTIPLE OPEN_FORM/GO_FORM
24969097	12c BUILDER MISHANDLES SUBCLASSED MODULES STORED IN DATABASE
24902032	FRM-93652 AFTER SETTING RADIOBUTTON VISUAL ATTRIBUTE PROPERTIES
24808044	APPS6: ADDING DOUBLE QUOTES IN BUG 24315226 CAUSES PROBLEM IN MAC CLIENTS
24763421	SCROLLBARS ARE NOT WORKING ANYMORE AFTER MIGRATING OLDER FORMS TO 12c
24710721	FRM-93652 WHEN TRYING TO COMMIT THE DATA INTO A VIEW

**Table 5-1 (Cont.) Bug Fixed Summary**

<b>Bug ID</b>	<b>Description</b>
24677561	APPS6: NEED MAX DATA WIDTH TO BE MAX(DISPLAY_WDTH,4000) FOR LOV VIA IIFLOV()
24620875	APPS6: JWS - REQUEST METHOD TO LAUNCH URLS IN ORIGINATING BROWSER
24569264	APPS6:12.3:64-BIT PROVIDE LIBIIFW.SO FOR EBIZ UE CODE SUPPORT IN FORMS 12c
24466597	WHEN USING BOILERPLATE VERTICAL TEXT APPEARS IN A WRONG POSITION IN 12c
24411096	XLATE ISSUE WITH SPANISH LANGUAGE, ATTEMPTING TO CONVERT CRASHES XLATE UTILITY
24303319	NUMERIC FIELDS BECOME POUND (#) WHEN MODIFIED AND SAVED
23854248	FRM-40833 INVOKING THE SAMPLE USER EXIT ON AIX
23637958	STACKED CANVAS OVERLAP THE CONTENT CANVAS INSTEAD OF CLOSING.
20345585	FORMS BUILDER 11GR2 IS NOT LOADING WHEN USING MULTIPLE MONITORS
19843333	RUN_REPORT_OBJECT GOT TERMINATED_WITH_ERROR WHEN REPORTS SERVER IS SECURE
15873253	MODERNIZE FORMS BUILDER FILE OPEN AND SAVE DIALOGS ON WINDOWS
14175474	CANNOT LOAD SOME JPG FILES USING READ_IMAGE_FILE
3519026	PROPERTY NEXT_NAVIGATION_ITEM OF GET_ITEM_PROPERTY RETURNS ROWID
1770039	APPS6: ADA: JAWS INCONSISTENTLY SPEAKING "REQUIRED" AND "LIST OF VALUES"