

Oracle® Forms and Reports Developer and Oracle Forms and Reports Services 6i (Patch 19)

Release Notes

Release 6.0.8.28 for Microsoft Windows and Unix

September 2007

Note to E-Business Suite Users: Please see the README titled "Upgrading Developer 6i with Oracle Applications 11i" before reading these Forms Release Notes. The E-Business Suite Users README is available at MetaLink > Technical Libraries > ERP Applications > Applications Technology Stack under D2K Forms Issues, Setup & Usage. Refer to the Forms Release Notes only when instructed to do so in the E-Business Suite Users README file.

To find ReadMe documents for previous patch releases and other platforms, go to <https://metalink.oracle.com/> and query Patch Set releases for Forms or Reports 6i.

Note: This patch set has only been certified for use with Oracle Applications installations and for Extended Maintenance Support (EMS) customers. Standard Error Correction Support for non-Oracle Applications users ended 31-JAN-2005. Please refer to Oracle MetaLink Note:228666.1 for more details.

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1 General Considerations

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1.1 Server Licensing

If you want to deploy your Oracle Forms or Oracle Graphics to the Internet or an intranet, then you need the Oracle Forms Server and its associated deployment license.

The Oracle Forms Server is included on the general Oracle Forms Developer CD-ROM for demonstration and test purposes, but is licensed separately. Contact your Oracle sales representative to get additional information on Oracle Forms Server pricing.

1.2 Name and Packaging Changes

Previously, Oracle Developer was two separate products: Oracle Forms Developer and Oracle Reports Developer, and Oracle Developer Server was two separate products: Oracle Forms Server and Oracle Reports Server.

Now, the names Oracle Developer and Oracle Developer Server are obsolete. Oracle Forms Server is now called Oracle Forms Services and Oracle Reports Server is now called Oracle Reports Services.

1.3 Release Numbering

In this release of Oracle Forms Developer 6i, most of the major components (for example, Oracle Forms Builder and Oracle Graphics Builder) have a 6.0.8 version number. Most of the subcomponents (Toolkit, for example) have a 6.0.5 version number. These are the appropriate versions of the subcomponents for this initial release.

1.4 RSF Components Include Additional Bug Fixes

Release 6i includes some RSF components that contain code fixes beyond those in the formal, numbered patches to the component. (These fixes or patch-levels of a component are sometimes referred to as one-offs.)

Specifically, Release 6i includes fixes for bugs 1063571, 1063104, 1028960, 1049171, and 1040536. These bug fixes affect the following components: SQLNET, RDBMS, NLS, and PL/SQL.

1.5 Precompilers Compatible With This Release

If you are developing user-exits for Oracle Forms Developer 6i using the Oracle Precompilers, then use the versions of the Precompilers that are bundled with the Oracle 8.0.6 release.

1.6 Integration with Oracle Repository

Oracle Forms Developer can be integrated with Oracle Repository.

This 6i release is shipped with a d2sc plug-in (similar to those provided for PVCS, Clearcase, and other products) that allows integration with Repository for source control management. Users will be able to check in and check out FMBs, MMBs, and so forth, and can then use Repository's dependency tracking and other advanced functionality. (See the Repository documentation for more information.)

This initial feature establishes the potential for enhanced levels of integration in future Forms Developer releases.

1.7 Effect of Fill Patterns on Performance

Assigning a fill pattern to a large Forms object may degrade runtime performance on the web. Objects are filled in 64x64 pixel increments. Thus, objects larger than 64x64 require multiple operations. (For example, painting a window of size 800x600 would require 120 such operations.)

Recommendations: Avoid using fill patterns for large objects unless doing so is a significant user requirement. Also, minimize the number of different patterns. (Each pattern used requires 4K of memory.)

1.8 Client Platform Certifications

For the latest information regarding supported client platforms and their support level, consult the current version of the Client Platform SOD, available from the Oracle Technology Network (<http://www.oracle.com/technology/>) website or your Oracle support representative.

1.9 Java Importer

The Java Importer does not function when the web preview mode of the builder is used. The Java Importer functions as documented in client/server runtime mode and in a deployment environment with Oracle Forms Services. The Java Importer requires a separate, manual installation of JDK 1.2.2 before use.

1.10 Unix Considerations

This section contains the following consideration for Unix:

1.10.1 Motif Patch on Solaris

Motif runtime library patch 103461-07 is the minimum patch level for Oracle Forms Developer and Oracle Forms Server 6i on Solaris 2.5.1.

Motif runtime library patch 105284-20 is the minimum patch level for Oracle Forms Developer and Oracle Forms Server 6i on Solaris 2.6.

2 Supported Platforms in This Patch

The following platforms are supported in this patch:

- AIX5L Based Systems (64-bit)
- HP-UX PA-RISC (64-bit)
- Linux x86 (32-bit)
- Microsoft Windows (32-bit)
- Solaris Operating System (SPARC)

For availability of Patch 19 on other platforms, please see Oracle *MetaLink* at <https://metalink.oracle.com/>.

3 What's New in This Patch

See [Section 5, "Platform Specific Bugs Fixed in Patch 19"](#) for more information about what is new in Patch 19.

4 Installation Considerations

The following section contains information on how to install the patch.

Note: The Oracle E-Business Suite is a complete set of business applications that runs entirely on the internet. E-Business Suite Users must first see Upgrading Developer 6i with Oracle Applications 11i and refer to this readme file only when that note so states. This note can be obtained via MetaLink -> Technical Libraries -> ERP Applications -> Applications Technology Stack under D2K Forms Issues, Setup & Usage

4.1 Installation Instructions for Microsoft Windows

1. Close all other Windows applications and background Oracle services and processes.
2. From the Start menu select **Run...** and enter **D:\Setup.exe** and replacing D:\ with the correct location to the patch.
3. Select an ORACLE_HOME. (For Oracle Internet Application Server (9iAS) customers, this is the Forms & Reports home from your iAS install.)
4. Select the patch product you would like to install.

4.2 Installation and De-Installation Instructions for Unix

This section contains the following:

- [Section 4.2.1, "Installation Instructions for AIX"](#)
- [Section 4.2.2, "De-Installation Instructions for AIX"](#)
- [Section 4.2.3, "Installation Instructions for HP-UX PA RISC \(32-bit\)"](#)
- [Section 4.2.4, "De-Installation Instructions for HP-UX PA RISC \(32-bit\)"](#)
- [Section 4.2.5, "Installation Instructions for Linux"](#)

- [Section 4.2.6, "De-Installation Instructions for Linux"](#)
- [Section 4.2.7, "Installation Instructions for Solaris"](#)
- [Section 4.2.8, "De-Installation Instructions for Solaris"](#)

4.2.1 Installation Instructions for AIX

1. Set your ORACLE_HOME.
2. If you are going to apply this patch on top of an iAS install:
 - a. Set ORACLE_HOME to <iAS_HOME>/6iserver.
 - b. Prepend <iAS_HOME>/6iserver/bin to the beginning of PATH.
 - c. Prepend <iAS_HOME>/6iserver/lib to the beginning of LD_LIBRARY_PATH.
3. Copy the files in this patch to your ORACLE_HOME.
4. Unzip the patch using either WinZip on NT or unzip on Unix.
5. Run the install script contained in the patch:
 - a. `cd $ORACLE_HOME/developer6i_patch19.`
 - b. `./patch_install.sh 2>&1 | tee patch_install_p19.log`
(ksh)
 - c. `./patch_install.sh |& tee patch_install_p19.log` (csh)
6. Check patch_install_p19.log for errors.
7. Relink Procedure Builder, Forms, Graphics and Reports:
 - a. `cd $ORACLE_HOME/procbuilder60/lib; make -f ins_procbuilder.mk install`
 - b. `cd $ORACLE_HOME/forms60/lib; make -f ins_forms60w.mk install`
 - c. `cd $ORACLE_HOME/graphics60/lib; make -f ins_graphics60w.mk install`

 Reports has both link-time and run-time dependency with libjava.so so you need to append \$ORACLE_HOME/network/jre11/lib/aix/native_threads in \$LD_LIBRARY_PATH before linking Reports. The same \$LD_LIBRARY_PATH should be used at run-time.
 - d. `cd $ORACLE_HOME/reports60/lib; make -f ins_reports60w.mk install`

4.2.2 De-Installation Instructions for AIX

1. Set your ORACLE_HOME.
2. If you originally applied this patch on top of an iAS install:
 - a. Set ORACLE_HOME to <iAS_HOME>/6iserver
 - b. Prepend <iAS_HOME>/6iserver/bin to the beginning of PATH
 - c. Prepend <iAS_HOME>/6iserver/lib to the beginning of LD_LIBRARY_PATH

3. Run the de-install script contained in the patch:
 - a. `cd $ORACLE_HOME/developer6i_patch19`
 - b. `./patch_deinstall.sh 2>&1 | tee patch_deinstall_p19.log (ksh)`
 - c. `./patch_deinstall.sh |& tee patch_deinstall_p19.log (csh)`
4. Check `patch_deinstall_p19.log` for errors.
5. Relink Procedure Builder, Forms, Graphics and Reports:
 - a. `cd $ORACLE_HOME/procbuilder60/lib; make -f ins_procbuilder.mk install`
 - b. `cd $ORACLE_HOME/forms60/lib; make -f ins_forms60w.mk install`
 - c. `cd $ORACLE_HOME/graphics60/lib; make -f ins_graphics60w.mk install`
 - d. `cd $ORACLE_HOME/reports60/lib; make -f ins_reports60w.mk install`

4.2.3 Installation Instructions for HP-UX PA RISC (32-bit)

1. Set your `ORACLE_HOME`.
2. If you are going to apply this patch on top of an iAS install:
 - a. Set `ORACLE_HOME` to `<iAS_HOME>/6iserver`.
 - b. Prepend `<iAS_HOME>/6iserver/bin` to the beginning of `PATH`.
 - c. Prepend `<iAS_HOME>/6iserver/lib` to the beginning of `SHLIB_PATH`.
3. Copy the files in this patch to your `ORACLE_HOME`.
4. Unzip the patch using either WinZip on NT or unzip on Unix.
5. Run the install script contained in the patch:
 - a. `cd $ORACLE_HOME/developer6i_patch19.`
 - b. `./patch_install.sh 2>&1 | tee patch_install_p19.log (ksh)`
 - c. `./patch_install.sh |& tee patch_install_p19.log (csh)`
6. Check `patch_install_p19.log` for errors.
7. Relink Procedure Builder, Forms, Graphics and Reports:
 - a. `cd $ORACLE_HOME/procbuilder60/lib; make -f ins_procbuilder.mk install`
 - b. `cd $ORACLE_HOME/forms60/lib; make -f ins_forms60w.mk install`
 - c. `cd $ORACLE_HOME/graphics60/lib; make -f ins_graphics60w.mk install`

Reports has both link-time and run-time dependency with `libjava.sl` so you need to append `$ORACLE_HOME/network/jre11/lib/PA_`

RISC/native_threads in \$SHLIB_PATH before linking Reports. The same \$SHLIB_PATH should be used at run-time.

- d. `cd $ORACLE_HOME/reports60/lib; make -f ins_reports60w.mk install`

4.2.4 De-Installation Instructions for HP-UX PA RISC (32-bit)

1. Set your ORACLE_HOME.
2. If you originally applied this patch on top of an iAS install:
 - a. Set ORACLE_HOME to <iAS_HOME>/6iserver
 - b. Prepend <iAS_HOME>/6iserver/bin to the beginning of PATH
 - c. Prepend <iAS_HOME>/6iserver/lib to the beginning of SHLIB_PATH
3. Run the de-install script contained in the patch:
 - a. `cd $ORACLE_HOME/developer6i_patch19`
 - b. `./patch_deinstall.sh 2>&1 | tee patch_deinstall_p19.log (ksh)`
 - c. `./patch_deinstall.sh |& tee patch_deinstall_p19.log (csh)`
4. Check patch_deinstall_p19.log for errors.
5. Relink Procedure Builder, Forms, Graphics and Reports:
 - a. `cd $ORACLE_HOME/procbuilder60/lib; make -f ins_procbuilder.mk install`
 - b. `cd $ORACLE_HOME/forms60/lib; make -f ins_forms60w.mk install`
 - c. `cd $ORACLE_HOME/graphics60/lib; make -f ins_graphics60w.mk install`
 - d. `cd $ORACLE_HOME/reports60/lib; make -f ins_reports60w.mk install`

4.2.5 Installation Instructions for Linux

1. Set your ORACLE_HOME.
2. If you are going to apply this patch on top of an iAS install:
 - a. Set ORACLE_HOME to <iAS_HOME>/6iserver.
 - b. Prepend <iAS_HOME>/6iserver/bin to the beginning of PATH.
 - c. Prepend <iAS_HOME>/6iserver/lib to the beginning of LD_LIBRARY_PATH.
3. Copy the files in this patch to your ORACLE_HOME.
4. Unzip the patch using either WinZip on NT or unzip on Unix.
5. Run the install script contained in the patch:
 - a. `cd $ORACLE_HOME/developer6i_patch19.`

- b. `./patch_install.sh 2>&1 | tee patch_install_p19.log`
(ksh)
 - c. `./patch_install.sh |& tee patch_install_p19.log` (csh)
6. Check `patch_install_p19.log` for errors.
 7. Relink Procedure Builder, Forms, Graphics and Reports:
 - a. `cd $ORACLE_HOME/procbuilder60/lib; make -f ins_`
`procbuilder.mk install`
 - b. `cd $ORACLE_HOME/forms60/lib; make -f ins_forms60w.mk`
`install`
 - c. `cd $ORACLE_HOME/graphics60/lib; make -f ins_`
`graphics60w.mk install`

Reports has both link-time and run-time dependency with `libjava.so` so you need to append `$ORACLE_HOME/network/jre11/lib/linux/native_threads` in `$LD_LIBRARY_PATH` before linking Reports. The same `$LD_LIBRARY_PATH` should be used at run-time.
 - d. `cd $ORACLE_HOME/reports60/lib; make -f ins_`
`reports60w.mk install`

4.2.6 De-Installation Instructions for Linux

1. Set your `ORACLE_HOME`.
2. If you originally applied this patch on top of an iAS install:
 - a. Set `ORACLE_HOME` to `<iAS_HOME>/6iserver`
 - b. Prepend `<iAS_HOME>/6iserver/bin` to the beginning of `PATH`
 - c. Prepend `<iAS_HOME>/6iserver/lib` to the beginning of `LD_LIBRARY_PATH`
3. Run the de-install script contained in the patch:
 - a. `cd $ORACLE_HOME/developer6i_patch19`
 - b. `./patch_deinstall.sh 2>&1 | tee patch_deinstall_`
`p19.log` (ksh)
 - c. `./patch_deinstall.sh |& tee patch_deinstall_p19.log`
(csh)
4. Check `patch_deinstall_p19.log` for errors.
5. Relink Procedure Builder, Forms, Graphics and Reports:
 1. `cd $ORACLE_HOME/procbuilder60/lib; make -f ins_`
`procbuilder.mk install`
 2. `cd $ORACLE_HOME/forms60/lib; make -f ins_forms60w.mk`
`install`
 3. `cd $ORACLE_HOME/graphics60/lib; make -f ins_`
`graphics60w.mk install`
 4. `cd $ORACLE_HOME/reports60/lib; make -f ins_`
`reports60w.mk install`

4.2.7 Installation Instructions for Solaris

1. Set your ORACLE_HOME.
2. If you are going to apply this patch on top of an iAS install:
 - a. Set ORACLE_HOME to <iAS_HOME>/6iserver.
 - b. Prepend <iAS_HOME>/6iserver/bin to the beginning of PATH.
 - c. Prepend <iAS_HOME>/6iserver/lib to the beginning of LD_LIBRARY_PATH.
3. Copy the files in this patch to your ORACLE_HOME.
4. Unzip the patch using either WinZip on NT or unzip on Unix.
5. Run the install script contained in the patch:
 - a. `cd $ORACLE_HOME/developer6i_patch19.`
 - b. `./patch_install.sh 2>&1 | tee patch_install_p19.log`
(ksh)
 - c. `./patch_install.sh |& tee patch_install_p19.log` (csh)
6. Check patch_install_p19.log for errors.
7. Relink Procedure Builder, Forms, Graphics and Reports:
 - a. `cd $ORACLE_HOME/procbuilder60/lib; make -f ins_procbuilder.mk install`
 - b. `cd $ORACLE_HOME/forms60/lib; make -f ins_forms60w.mk install`
 - c. `cd $ORACLE_HOME/graphics60/lib; make -f ins_graphics60w.mk install`

Reports has both link-time and run-time dependency with libjava.so so you need to append \$ORACLE_HOME/network/jre11/lib/sparc/native_threads in \$LD_LIBRARY_PATH before linking Reports. The same \$LD_LIBRARY_PATH should be used at run-time.
 - d. `cd $ORACLE_HOME/reports60/lib; make -f ins_reports60w.mk install`

4.2.8 De-Installation Instructions for Solaris

1. Set your ORACLE_HOME.
2. If you originally applied this patch on top of an iAS install:
 - a. Set ORACLE_HOME to <iAS_HOME>/6iserver
 - b. Prepend <iAS_HOME>/6iserver/bin to the beginning of PATH
 - c. Prepend <iAS_HOME>/6iserver/lib to the beginning of LD_LIBRARY_PATH
3. Run the de-install script contained in the patch:
 - a. `cd $ORACLE_HOME/developer6i_patch19`
 - b. `./patch_deinstall.sh 2>&1 | tee patch_deinstall_p19.log` (ksh)

- c. `./patch_deinstall.sh |& tee patch_deinstall_p19.log`
(csh)
4. Check `patch_deinstall_p19.log` for errors.
5. Relink Procedure Builder, Forms, Graphics and Reports:
 - a. `cd $ORACLE_HOME/procbuilder60/lib; make -f ins_procbuilder.mk install`
 - b. `cd $ORACLE_HOME/forms60/lib; make -f ins_forms60w.mk install`
 - c. `cd $ORACLE_HOME/graphics60/lib; make -f ins_graphics60w.mk install`
 - d. `cd $ORACLE_HOME/reports60/lib; make -f ins_reports60w.mk install`

5 Platform Specific Bugs Fixed in Patch 19

This section contains the following:

- [Section 5.1, "AIX5L \(Oracle Forms\)"](#)

5.1 AIX5L (Oracle Forms)

5512158 APPS6: F60CTL CLOSES DOWN ALL F60WEBMX PROCESSES AFTER CHANGES FOR 3988583

6 Generic Oracle Forms 6i Issues

This section contains the following:

- [Section 6.1, "Generic Bugs Fixed in Patch 19"](#)
- [Section 6.2, "Patch 19 Not Certified with iDS 1.0.2.2"](#)
- [Section 6.3, "Exception Is Raised When Block Has a Scrollbar"](#)
- [Section 6.4, "Need to Specify a Path for Diagnostics Log Files"](#)
- [Section 6.5, "Use Caution When Uninstalling Intersolve Drivers"](#)

6.1 Generic Bugs Fixed in Patch 19

5908245 RFI BACKPORT OF BUG 5753922 ON TOP OF VERSION 6.0.8.27 (RFI #52662)

5905047 RFI BACKPORT OF BUG 5852332 ON TOP OF VERSION 6.0.8.27 (RFI #52562)

5897423 RFI BACKPORT OF BUG 5893392 ON TOP OF VERSION 6.0.8.27 (RFI #52349)

5895096 RFI BACKPORT OF BUG 5699501 ON TOP OF VERSION 6.0.8.27 (RFI #52260)

5895091 RFI BACKPORT OF BUG 5759362 ON TOP OF VERSION 6.0.8.27 (RFI #52257)

5764276 RFI BACKPORT OF BUG 5373971 ON TOP OF VERSION 6.0.8.27 (RFI #50544)

5752287 RFI BACKPORT OF BUG 5050754 ON TOP OF VERSION 6.0.8.27 (RFI #50233)

5708715 RFI BACKPORT OF BUG 5438095 ON TOP OF VERSION 6.0.8.27 (RFI #49306)

5692877 RFI BACKPORT OF BUG 5527100 ON TOP OF VERSION 6.0.8.27 (RFI #48943)

5690335 RFI BACKPORT OF BUG 5650051 ON TOP OF VERSION 6.0.8.27 (RFI #48894)

5663295 RFI BACKPORT OF BUG 5093536 ON TOP OF VERSION 6.0.8.27 (RFI #48453)

5652874 RFI BACKPORT OF BUG 5474223 ON TOP OF VERSION 6.0.8.27 (RFI #48286)

5652870 RFI BACKPORT OF BUG 5472440 ON TOP OF VERSION 6.0.8.27 (RFI #48285)

5589483 RFI BACKPORT OF BUG 4099723 ON TOP OF VERSION 6.0.8.27 (RFI #47344)

5512158 APPS6: F60CTL CLOSES DOWN ALL F60WEBMX PROCESSES AFTER CHANGES FOR 3988583

5374454 RFI BACKPORT OF BUG 5216496 ON TOP OF VERSION 6.0.8.27 (RFI #44646)

5372408 RFI BACKPORT OF BUG 5200992 ON TOP OF VERSION 6.0.8.27 (RFI #44623)

5218053 RFI BACKPORT OF BUG 5183020 ON TOP OF VERSION 6.0.8.27 (RFI #42841)

5192516 APPS6:NLS:BACKPORT BUG#3512144 INTO 6I, REPORTS XML ENCODING

5183020 APPS6: SERVLET FORMS60_REJECT_GO_DISABLED_ITEM USED FOR LISTENER VALUE IN EM RTI

5114103 RFI BACKPORT OF BUG 4895304 ON TOP OF VERSION 6.0.8.27 (RFI #40958)

5097630 RFI BACKPORT OF BUG 4640704 ON TOP OF VERSION 6.0.8.27 (RFI #40531)

5084303 RFI BACKPORT OF BUG 4439359 ON TOP OF VERSION 6.0.8.27 (RFI #40110)

5028235 RFI BACKPORT OF BUG 4890922 ON TOP OF VERSION 6.0.8.27 (RFI #38787)

4944321 RFI BACKPORT OF BUG 2046150 ON TOP OF VERSION 6.0.8.27 (RFI #37675)

4913822 RFI BACKPORT OF BUG 4626660 ON TOP OF VERSION 6.0.8.27 (RFI #37291)

4878351 RFI BACKPORT OF BUG 4768418 ON TOP OF VERSION 6.0.8.27 (RFI #36666)

6.2 Patch 19 Not Certified with iDS 1.0.2.2

Forms 6i Patch 19 is not certified with iDS 1.0.2.2.

6.3 Exception Is Raised When Block Has a Scrollbar

Running a webform which has scroll bar on the block raises an exception in the Java console.

6.4 Need to Specify a Path for Diagnostics Log Files

If you don't specify a path for the log file, Oracle Forms will attempt to write it to the `$ORACLE_HOME/forms60/log` directory. If this directory doesn't exist (it doesn't by default), the log file won't be created.

6.5 Use Caution When Uninstalling Intersolve Drivers

Do not uninstall Intersolve drivers (ODBC) from an ORACLE_HOME if other products in another ORACLE_HOME on that computer use them. Uninstalling the drivers from one ORACLE_HOME removes them from the entire system.

6.6 Requirements for Using RUN_PRODUCT on the Web

If you use RUN_PRODUCT in a form to run a report and want to display the output in the browser window, it is necessary to do the following:

- On Windows computers, remove the TMP user environment variable.
- On Unix computers, remove the TMPDIR environment variable.

6.7 Database Commands Available on Separate Start Menu

In this release, the database commands Build, Drop, Grant, and Revoke are listed on their own Start Menu, entitled "Oracle Forms 6i Admin," which is separate from the Start Menu for the main Forms product.

6.8 Using Index-Only Tables

In order to use an index-only table in Forms, the block's Key Mode should be set to either Updatable or Non-Updatable. Also, a Primary Key should be nominated.

6.9 Forms-Reports Integration Requires that TMPDIR Not Be Set

In order for Forms-Reports integration to work on the web on a UNIX computer, the variable TMPDIR must not be set. Unset this environment variable before starting the Forms listener.

6.10 Undocumented Error Messages

This section contains information about the following:

- Section 6.10.1, "Error Messages (93000-99999)"
- Section 6.10.2, "Error Messages 10905-10909"

6.10.1 Error Messages (93000-99999)

Any Forms error message not documented in the online help will display a generic message:

FRM-99999 Error FRM-nnnnnn occurred, please consult the release notes.

The details of these error messages are documented in [Table 1](#):

Table 1 Summary of FRM-99999 Error Messages

FRM-99999, Error 1412.	An attempt was made to set scrollbar position on a block that has no scrollbar.
FRM-99999, Error 1413.	An attempt was made to get scrollbar position on a block that has no scrollbar.

FRM-93000: Servlet internal error.

Cause: A servlet error occurred, or runtime did not start properly.

Action: See the error messages in the jserv.log file for clarification. Check environment settings. Also, run servlet debug tracing.

6.10.2 Error Messages 10905-10909

FRM-10905: The following return values are invalid.

Cause: The invalid return values must be corrected before you can leave this page of the wizard.

Action: Enter a valid return value. Return values must be one of the following:

- A fully qualified Item name (<BLOCK_NAME>.<ITEM_NAME>).
- A Form Parameter (PARAMETER.<PARAMETER_NAME>).
- A global PL/SQL variable (GLOBAL.<VARIABLE_NAME>).

FRM-10906: One or more LOV columns has a negative width.

Cause: One or more of the columns in the table has a negative width.

Action: Ensure that no columns in the table have a negative width.

FRM-10907: The LOV size or position has a negative value.

Cause: One or more of the attributes of the LOV size and position is negative.

Action: Ensure that none of the LOV size or position attributes is negative.

FRM-10908: Number of rows retrieved is less than or equal to zero.

Cause: The number of rows retrieved is less than or equal to zero.

Action: Enter a value greater than zero for the number of records retrieved.

FRM-10909: Old Style LOVs cannot be modified using the LOV wizard.

Cause: The LOV Wizard was invoked on an Old-Style LOV.

Action: Create a new LOV based on a Record Group.

6.10.3 Error Messages 13009-13010

FRM-13009: The JavaBean does not implement the IView interface.

Cause: For Forms to use this JavaBean, it must implement Oracle Forms IView interface.

Action: Implement Oracle Forms `oracle.forms.ui.IView` Interface.

FRM-18010: An unknown error occurred when attempting to process the JavaBean.

Cause: For Forms to use this JavaBean, it must be able to locate the specified JavaBean and instantiate it.

Action: Ensure that the specified JavaBean and supporting classes are installed correctly. Retry the JavaBean after restarting Form Builder.

6.10.4 Error Messages 18114-18121

FRM-18114: FORMS60_JAVADIR not set.

Cause: For Web Preview from the Builder to work the Registry variable FORMS60_JAVADIR must point to the location that contains the Forms Java files. This variable should have been set by the Oracle Installer when Oracle Forms Developer was installed. A typical value for this variable is `c:\orant\forms60\java`.

Action: Create or update the registry variable on NT, FORMS60_JAVADIR, and set its value to the location that contains the Forms Java files.

FRM-18115: CLASSPATH variable not set.

Cause: For forms to run on the Web the environment variable CLASSPATH must point to the location that contains a valid Java installation. This variable should have been set by the Oracle Installer when Oracle Forms Developer was installed.

Action: Create or update the environment variable CLASSPATH and set its value to the location that contains a valid Java installation.

FRM-18116: The CLASSPATH does not contain a reference to Forms.

Cause: For Forms Server to work, the environment variable CLASSPATH must include an entry that points to a location containing the Java files required by Oracle Forms. An entry should have been added to the existing CLASSPATH variable by the Oracle Installer when Oracle Forms Developer was installed. A typical value for this variable is `c:\orant\forms60\java`.

Action: Create or update the environment variable CLASSPATH and set its value to the location that contains the Java files required by Oracle Forms.

FRM-18117: The preferences contains a reference to a non-existent HTML file.

Cause: In the 'Runtime' Preferences dialog an HTML file has been specified, but that HTML file does not exist, or the location specified does not exist.

Action: In the 'Runtime' Preferences dialog either remove the reference to the offending HTML file, so that the default HTML file is used, or specify an HTML file that exists. Alternatively place the HTML file in the location specified.

FRM-18118: Javai.DLL does not exist.

Cause: For Forms Server to work in the Microsoft Windows environment, e.g. Windows NT, `javai.dll` must exist and be in the `%ORACLE_JDK%\bin` directory, where `%ORACLE_JDK%` contains a valid Java installation.

Action: Determine whether `javai.dll` exists in the `%ORACLE_JDK%\bin` directory, and if necessary, reinstall the Oracle JDK.

FRM-18119: ORACLE_JDK variable not set

Cause: For Forms Server to work, the environment variable `ORACLE_JDK` must point to the location that contains a valid Java installation. This variable should have been set by the Oracle Installer when Oracle Forms was installed.

Action: Create or update the environment variable `ORACLE_JDK` and set its value to the location that contains a valid Java installation.

FRM-18120: libjava.so does not exist.

Cause: For Forms Server to work in the Solaris environment, a valid JDK installation must exist and be in the path.

Action: Determine whether a valid JDK exists in the path and if necessary, reinstall the JDK.

FRM-18121: The JavaBean does not implement the IView interface.

Cause: For Forms to use this JavaBean, it must implement Oracle Forms `IView` interface.

Action: Implement Oracle Forms `oracle.forms.ui.IView` Interface.

7 Generic Oracle Reports 6i Issues

None.

8 Oracle Forms 6i Platform-Specific Issues

None.

9 Oracle Reports 6i Platform-Specific Issues

None.

10 Source of Additional Information

You can review previous Release Notes for Oracle Forms and Reports Developer and Oracle Forms and Reports Services 6i at Oracle *MetaLink*, <https://metalink.oracle.com/>.

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