

Oracle9i Forms Developer and Oracle9iAS Forms Services

Release Notes

Release 2 (9.0.2) Patch 2 for Windows

May 2003

Part No. B10172-02

This document summarizes updates to Oracle9i Forms Developer and Oracle9iAS Forms Services:

- [General Issues and Workarounds](#)
- [Configuration Issues and Workarounds](#)
- [Oracle9i Forms Issues](#)
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- [National Language Support Issues](#)
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See Also: *Oracle9i Application Server Release Notes* and *Oracle9i Developer Suite Release Notes*

You can also obtain the latest edition of these Release Notes and other Oracle9i Forms production information at:

<http://otn.oracle.com/docs/products/forms/content.html>.

Note: The Release Notes for Patch 2 have not changed since Patch 1.

1 General Issues and Workarounds

This section describes general issues and their workarounds for Oracle 9i Forms Developer and Oracle9iAS Forms Services.

- [Support For Databases Other than Oracle](#)

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1.1 Support For Databases Other than Oracle

With Oracle9i Forms, Oracle no longer ships the Open Client Adaptor (OCA) for accessing databases through ODBC rather than SQL*Net. The stated replacement for OCA is to use the Oracle Transparent Gateways as a way to access data in databases such as Microsoft SQL Server or IBM DB2. In the initial releases of Forms 9i, however, we cannot support access via the transparent gateways due to the lack of support in the gateways for “Select For Update” to enable row level locking. This deficiency will be addressed in a future release of Oracle Forms.

1.2 demoCAcert.txt Does Not Exist in Installed iAS

(2258527) The following excerpt is in Chapter 3 of the *Oracle9iAS Forms Services Deployment Guide Release 9.0.2*:

“If you are using the test certificate supplied with Oracle9iAS for test purposes, you must edit the JInitiator certdb.txt file and append the contents of the demo root certificate, which is located in <9iAS oracle_home/Oracle/Oracle/conf/ssl.crt/demoCAcert.txt.”

The demoCAcert.txt file no longer exists. If you are running with Oracle9iAS Web Cache enabled (which is usually the case), you should use the file <9iAS oracle_home>/webcache/wallets/default/b60certificate.txt instead. If you are not running with Web Cache (that is, you are accessing the Oracle HTTP Server directly) you will need to create the demo root certificate file as follows:

1. Start up Oracle Wallet Manager

2. Open \$ORACLE_HOME/Apache/Apache/conf/ssl.wlt/default/ewallet.p12
3. Select menu option Export Wallet under the Operations menu
4. Save as text file "demoCertCA.txt"

Once you have the required certificate file, you should follow the instructions in the *Oracle9iAS Forms Services Deployment Guide* to configure JInitiator to use the certificate (appending it to JInitiator's certdb.txt file).

1.3 Online Help Topics Not Found Error

(2275360) In the Online Help, F1 links to obsolete built-ins, properties, triggers, and constants give the following error message "FRM-10063: Cannot find the help file or help file is damaged". This error occurs because obsolete information has been removed from the help system. See *Oracle9i Forms Developer and Forms Services: Migrating Forms Applications from Forms6i*, part number A92183-01, for migration and obsolescence information.

1.4 Browser Error "URL Not Found"

(2369588, 2380970) If you get the browser error "URL Not Found; The requested URL /forms90/f90servlet was not found on this server", make the following changes to the oracle_apache.conf file:

include "<ORACLE_HOME>/forms90/server/forms90.conf" where <ORACLE_HOME> is the value of \$ORACLE_HOME for the iDS/iAS installation.

1.5 Availability of JDAPI Javadoc

(2205868) You can download the latest JDAPI Javadoc from:
<http://otn.oracle.com/docs/products/forms/content.html>.

1.6 Availability of XMLTOOLS Javadoc

You can download the latest XMLTOOLS Javadoc from:
<http://otn.oracle.com/docs/products/forms/content.html>.

1.7 "PL/SQL Converter" and "GUI Version of the Migration Tool" Renamed to "Oracle9i Forms Migration Assistant"

The Forms documentation may refer to the “PL/SQL Converter” and the “GUI Version of the Migration Tool.” The current name is “Oracle9i Forms Migration Assistant.”

Documentation for the Oracle9i Forms Migration Assistant is available on OTN.

1.8 Starting the Migration Assistant in Batch Mode

To start the Migration Assistant in batch mode in Windows:

```
ifplsconv90 mode=batch module=<filename> log=<logname>
```

To start the Migration Assistant in batch mode in Solaris:

```
f90plsconv mode=batch module=<filename> log=<logname>
```

where <filename> is the name of the file you want to convert, and <logname> is the name of the log file that will get generated.

In the following example:

```
ifplsconv90 mode=batch module=d:\temp\test.fmb  
log=d:\temp\test.log
```

Forms Migration Assistant will look for the file “test.fmb” in the d:\temp directory and will name the generated log file “test.log” and place it in the d:\temp directory. You can give the log file any name you want and specify any location you want. By default the log file is written in \$ORACLE_HOME\bin. The module parameter can take only one value.

The output of the conversion is displayed on the screen. It is also saved to the default log file. Note that in batch mode, all converter options are taken from the converter.properties file. To change the converter options, see “Editing the Converter Properties File”.

1.9 Availability of GUI Version of Migration Assistant

You can download the latest graphical user interface (GUI) version of the Migration Assistant at:

<http://otn.oracle.com/software/products/forms/content.html>.

Documentation for the GUI version of the Migration Tool is available at:

<http://otn.oracle.com/docs/products/forms/content.html>.

1.10 Steps Required to Set Up a PJC in Forms Generated by JDeveloper

1.10.1 Deploying Pluggable Java Components with a Form

(2240860) When you create a Pluggable Java Component (PJC) using the JDeveloper PJC Wizard, you will need to make dependent Java classes available at runtime for the PJC to use. These dependent classes are `oracle.jdeveloper.pjc.BeanWrapper` and `oracle.jdeveloper.pjc.TypeConverter`.

The simplest way to make them available is to include the `jdev-rt.jar` file along with the Custom PJC Jar file in the archive tags for your application. However, to reduce the size of the download, you can explicitly include the two required classes into your custom PJC jar file by using the JDeveloper deployment profile settings.

To include the classes:

1. Create or edit a deployment profile to create a simple Jar file.
2. In the Dependency Analyzer settings, select the JDeveloper Runtime node, and select Add to add them to the dependency analyzer's classpath radio button.
3. The generated jar file will then include the `BeanWrapper` and `TypeConverter` classes if they are required by the PJC.

1.11 Considerations for Forms and Reports Integration

The default configuration for Oracle9i Forms Services *does not* run in SSO mode. The default configuration for Oracle9i Reports Services *does* run in SSO mode.

Forms applications calling integrated Oracle Reports using the `Forms Run_Report_Object` built-in will not experience any problems when Forms is running in non-SSO mode and Reports is running in SSO mode as long as Reports Services and the requested Reports module are not registered with Oracle Portal.

1.11.1 Other Requirements

- The property, `ReportServer`, must be set explicitly for all report objects in a Forms module.
- If a Reports server other than the default is being used, that server must be started from the command line as follows:

```
rwservlet server=<Reports server name>
```

- The system variable, REPORTS_PATH, must be modified in the file <ORACLE_HOME>/bin/reports.sh to reference the location of Reports.
- The first time a Reports server is started, it creates a configuration file called <ORACLE_HOME>/server/conf/<server name>.conf.
- The default status of a Reports server is secure. To change the Reports server status to non-secure, modify <ORACLE_HOME>/server/conf/<Reports server name>.conf by commenting out the <security> tag and removing securityId from the <job> tags.
- After making these modifications, the Reports server must be restarted.
- If Forms Services is configured to run in SSO mode, then Reports requests are sent with the authid provided, based on the SSO user login.
- Protected Reports and Reports Servers can be registered in Portal.

The following table lists the possible Forms/Reports combinations and expected results:

Table 1 Outcome of Forms/Reports Integration when Forms is Running in SSO Mode or Non-SSO Mode

| | Registered, Secure Reports Server | | Non-Secure Reports Server |
|---------------------------------------|-----------------------------------|----------------------|---------------------------|
| | Runs only registered reports: | Runs any report: | |
| Reports with public access: | report generated | report generated | report generated |
| Reports with specific user access: | report generated | report generated | report generated |
| Reports with no specific user access: | report not generated | report not generated | report generated |
| Non-registered reports: | report not generated | report generated | report generated |

1.12 When Closing the Browser without First Exiting the Running Form, the Runtime Process Is Still Running until It Times Out

When testing your Form from the Forms Builder on a windows platform, if you don't exit the Form before closing the browser, the Forms runtime will

still run. Therefore, if you try to compile your form again, you will receive the following error message: "FRM-30087 Unable to compile the Forms file". The runtime process will die automatically after the FORMS90_TIMEOUT period (15 minutes by default)

Workarounds:

1. Make sure that you exit the Form before closing the browser
2. Modify the FORMS90_TIMEOUT variable in the registry and reduce the value (in minutes). Make sure that the value entered is higher than the heartbeat applet parameter (2 minutes by default).
3. If you close the browser without exiting the form, kill the ifweb90.exe process before to compile the form again.

2 Configuration Issues and Workarounds

This section describes configuration issues and their workarounds for Oracle 9i Forms Developer and Oracle9iAS Forms Services.

- [F90desm JVM Dump on Creating Trigger, Program Unit When Classpath is more than 512](#)
- [Availability of Accessibility Scripts](#)
- [Availability of Translated Documentation](#)
- [Java Access Bridge](#)
- [Accessibility of Code Examples in Documentation](#)
- [Changing the Look-and-Feel for the Property Inspector and Navigator](#)
- [JAWS and Oracle9i Forms Issues](#)
- [ORARRP Is Not Supported](#)
- [Important Information for Customers Using Oracle JInitiator](#)
- [JInitiator Cache Default Cache Size](#)
- [Deploying Forms Applications](#)
- [New Error Message](#)
- [Unable to Use Debugger When OTHERPARAMS in a Named Configuration Section](#)
- [Java Plug-in Security Warning Message Appears When Running Web Form Natively in Netscape](#)
- [Translated Files for Keymaps Are Installed to the Incorrect Location on iDS Windows](#)

- [Key-Bindings File for Japanese Uses a Character Set that Works on iDS Solaris but not on iDS Windows](#)

2.1 F90desm JVM Dump on Creating Trigger, Program Unit When Classpath is more than 512

(2630920) On Windows NT, Forms throws the error 'Unable to Initialize the Debugger' whenever the FORMS90_BUILDER_CLASSPATH is set to more than 512 characters, and therefore you cannot perform any debugger related operations

2.2 Availability of Accessibility Scripts

Forms Accessibility scripts and the latest information for them is available at:

<http://otn.oracle.com/software/products/forms/content.html>.

It is our goal to make Oracle Products, Services, and supporting documentation accessible to the entire community. Forms Developer and AS Forms Services support accessibility features. To make the best use of our accessibility features, Oracle Corporation recommends the following software configuration:

- Windows NT 4.0 (with Service Pack 6) or Windows 2000
- Sun Java Access Bridge 1.0.2
- Microsoft Internet Explorer 5.5
- JDK 1.3.1

For additional accessibility information for Oracle products, visit <http://www.oracle.com/accessibility>

For the latest configuration information or for information on addressing accessibility and assistive technology issues, see the Oracle Accessibility FAQ at: <http://www.oracle.com/accessibility/faq.html>.

2.3 Availability of Translated Documentation

Oracle9iDS Forms Japanese documentation is not available for this release. It will be available in the Japanese Oracle9iDS Forms 9.0.2 release.

2.4 Java Access Bridge

Java Access Bridge is not installed by default in Oracle9i Forms Developer and Oracle9iAS Forms Services. You will need to obtain Access Bridge from:

<http://java.sun.com/products/accessbridge/>.

2.5 Accessibility of Code Examples in Documentation

JAWS, a Windows screen reader, may not always correctly read the code examples in the documentation. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, JAWS may not always read a line of text that consists solely of a bracket or brace.

2.6 Changing the Look-and-Feel for the Property Inspector and Navigator

You can change the Look-and-Feel for the Property Inspector and Navigator to the Forms6*i* look-and-feel to enable color accessibility by setting the registry variable SET FORMS90_CLAF to value 1 under Oracle Home.

2.7 JAWS and Oracle9*i* Forms Issues

2.7.1 How to Enable JAWS with the Debug Windows

(2118498) For JAWS to work in any of the Debug Windows, the requirements are:

- JDK 1.3 or higher, and Access Bridge 1.02 or higher must be used.
- Set FORMS90_SEPARATE_DEBUGGER=1.

Some side effects for setting the FORMS90_SEPARATE_DEBUGGER variable to enable JAWS include:

- The Debug window is non-modal, meaning that if you can click on the Builder, the Builder comes to the foreground, and obscures the Debug Window
- For each floating Debug Window that is brought up, there will be a corresponding task tab in the Windows task bar.
- On maximizing the Debug Window, the full Windows screen is occupied by it.
- The top level Builder menu for Debug Console is not available when focus is on the Debug Console
- Any of the Debug Windows can be closed by pressing Alt+F4.

2.8 ORARRP Is Not Supported

ORARRP is not supported. In the *Oracle9i Forms Developer and Forms Services: Migrating Forms Applications from Forms6i* manual (P/N A92183-01), the following `converter.properties` options are not supported:

- `default.use_orarrp`
- `default.orarrp_virtual_directory`
- `default.orarrp_physical_directory`

You can ignore these options.

2.9 Important Information for Customers Using Oracle JInitiator

For improved functionality, it is recommended that you use JInitiator 1.3.1.9, which is available for download on OTN, rather than the version of JInitiator that was included with your installation of Forms.

2.10 JInitiator Cache Default Cache Size

In JInitiator 1.3, you set the JAR cache size in the “cache” tab of the JInitiator control panel, which has a default size of 50MB.

2.11 Deploying Forms Applications

To deploy Oracle9i Forms applications on Oracle9iAS, you must configure the `forms90.conf` file. Oracle9iAS Forms Services use OC4J, via `mod_OC4J`, for the Forms Servlet and the Forms Listener Servlet only. All other file handling, such as downloading client Java archives and JInitiator, is performed directly by the Oracle HTTP Server. The `forms90.conf` file is automatically configured during product installation. See the *Oracle9iAS Forms Services Deployment Guide* (part number A92175-01) for information about the `forms90.conf` file.

Because there is no Apache HTTP Listener on Oracle9iDS, however, Forms uses OC4J directly for design-time deployment and for downloading client archive files.

2.12 New Error Message

FRM-93000: Servlet internal error.

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

Action: See the error messages in the servlet (OC4J) log file for clarification.

You can find the OC4J log file at:

```
<ORACLE_HOME>\j2ee\OC4J_BI_Forms\application-deployments\forms90app
```

The log file is called application.log, and is usually in a subdirectory like OC4J_BI_Forms_default_island_1, depending on how iAS has been configured.

2.13 Unable to Use Debugger When OTHERPARAMS in a Named Configuration Section

(2161032) If you use OTHERPARAMS in a named configuration section in the formsweb.cfg file, you overwrite the default the OTHERPARAMS parameter, which contains the DEBUG parameter.

For example, suppose you have a named configuration that looks like this:

```
[MyApp]  
otherparams=usesdi=yes
```

Then you are overriding the default OTHERPARAMS, which looks like this:

```
otherparams=debug=%debug% host=%host% port=%port%
```

Therefore, if you use the debugger with the MyApp configuration, the debugger will not run. This behavior also occurs if the Application Server URL is modified in the Form preferences to use the MyApp configuration.

The workaround is to put DEBUG, HOST, and PORT as separate parameters. Modify the appropriate base.html file and the three separate parameters. Make sure to also add them in the default section of formsweb.cfg. Then, remove them from OTHERPARAMS.

2.14 Java Plug-in Security Warning Message Appears When Running Web Form Natively in Netscape

(2315875) When using JInitiator, certificates are already loaded and applets are trusted with the signature. However, when using a native browser, certificates are not loaded automatically.

Therefore, you must select Grant or Grant Always in your browser to avoid this warning.

2.15 Translated Files for Keymaps Are Installed to the Incorrect Location on iDS Windows

(2313826) When you attempt to show the list of keys for Runform, it comes up in English regardless of the language in which you are running.

2.16 Key-Bindings File for Japanese Uses a Character Set that Works on iDS Solaris but not on iDS Windows

(2313875) If you try to run Forms in Japanese with this character set, it fails to startup.

2.17 Enabling HTTPS and Single Sign-On (SSO) with Oracle9i Forms

(2293330) To enable HTTPS and Single Sign-On (SSO) with Oracle 9i Forms, do the following:

1. Register HTTPS information by running the following commands on the middle-tier server.

```
$ORACLE_HOME/jdk/bin/java -jar $ORACLE_HOME/sso/lib/ossoreg.jar -oracle_
home_path %MIDTIER_ORACLE_HOME% -host %<INFRASTRUCTRE_MACHINE_NAME>%
-port 1521 -sid iasdb -site_name %<INFRASTRUCTRE_MACHINE_NAME>:1521
-success_url https://midtierserver.us.oracle.com:4443/osso_login_
success-logout_url https://midtierserver.us.oracle.com:4443/osso_logout_
success-cancel_url https://midtierserver.us.oracle.com:4443/-home_url
https://midtierserver.us.oracle.com:4443/-config_mod_osso TRUE -u SYSTEM
-sso_server_version v1.2
```

- Note: Port 4443 is the default port with Oracle9iAS.
2. Import the certification file \$ORACLE_
HOME/webcache/wallets/default/b64certificate.txt.

If you want to run a form with Jinitiator, append the b64certificate.txt file to certdb.txt. If you want to run a Form natively in Internet Explorer, import this file into Internet Explorer.

2.18 Unable to Use HTTP and HTTPS with SSO Simultaneously

(2302613) When you use SSO (Single-Sign-On) with Forms, you must register the mod_osso partner on the middle-tier server. If you run a form in HTTP mode, you must register it with the required HTTP information. If you run a form in https mode, you must register it with the required https information. However, you can only register one or the other with mod_osso. Therefore, you cannot simultaneously run forms in http and https mode with SSO simultaneously.

3 Oracle9i Forms Issues

The following sections describe known issues in Oracle9i Forms components:

- [Oracle9i Forms and Enterprise Manager Issues](#)
- [Oracle9i Forms Trace Issues](#)
- [Unable to Use Run Form When Saving Forms in Directories with Spaces in Path](#)
- [Changed Keyboard Shortcuts](#)

3.1 Oracle9i Forms and Enterprise Manager Issues

3.1.1 Killing Forms Session Takes about One Minute in Enterprise Manager

(2190329) The Forms Server is doing necessary clean-up work, such as cleaning up memory allocations. The same effect happens when the Form process is killed from the command line.

3.1.2 Enterprise Manager Strips Comments from formsweb.cfg

(2171120) If you modify the formsweb.cfg file using Enterprise Manager, and then submit the changes, all comments that were in the formsweb.cfg file are removed. This behavior does not occur until you submit the changes; therefore, viewing is safe.

3.2 Oracle9i Forms Trace Issues

3.2.1 Unable To Create Defined Log Name

(2247822) Users can no longer specify the log name for the Forms Trace file in a URL. This behavior prevents a user from accidentally writing a file to an invalid location. If a user specifies log=<filename> in the URL, the URL will be ignored. The file will be named forms_<pid>.trc where <pid> is the process ID on the server. The file will be created in the directory specified by the environment variable FORMS90_TRACE_PATH, which is specified on the server.

3.2.2 Oracle Trace Has Been Desupported for Oracle9i Forms

(2296258) If you specify record=otrace, the Form will fail to start. This issue will be resolved in the next patch set to Oracle9i Forms.

3.3 Unable to Use Run Form When Saving Forms in Directories with Spaces in Path

(1983066) When creating a simple form and saving it to a directory such as C:\Program Files\Oracle\test.fmb, and when you click the Run Form icon, an error dialog appears:

```
FRM-40010 : Cannot read form C:\Program.
```

This error message appears when there is a space in the URL.

3.4 Changed Keyboard Shortcuts

The following keyboard shortcuts have changed:

Table 2 Keyboard shortcuts

| Action, Function, or Tool | Shortcut in previous releases | Shortcut in Oracle9i Forms |
|---------------------------|-------------------------------|----------------------------|
| PL/SQL Editor | F7 | F11 |
| Debug Module | Shift-Ctrl-F9 | Shift-F9 |
| Step Over | F12 | F8 |
| Step Into | F11 | F7 |
| Step Out | Shift-Ctrl-F11 | Shift-F7 |
| Run to Cursor | F4 | Shift-F4 |

4 Oracle9i Forms Known Bugs

The following sections describe known bugs in Oracle9i Forms and suggested workaround where available:

- [Unable to Kill Forms Sessions](#)
- [Creating Relation Causes Builder to Crash](#)
- [Time Zone Support for Dates Prior to November 18, 1883](#)
- [Forms Can Mangle Data In NCHAR Or NVARCHAR2 Columns](#)
- [Getting ONETIMEWHERE Block Property after Querying May Crash Forms](#)
- [Layout Editor Should Show Iconic Button GIF/JPG Images](#)
- [Cannot Use Keyboard to Navigate to Select Java Classes Field](#)
- [Unable to Open a Form by Double-Clicking the FMB File](#)
- [Migration Assistant](#)

- [JAWS Issues](#)
- [RUN_PRODUCT Built-in Fails When Used to Start a Second Forms Session](#)
- [Valid Bean Name In Implementation Class Returns FRM-13008 Error](#)
- [XMLTOOL Issues](#)
- [PL/SQL Converter Issues](#)
- [JDAPI Issues](#)
- [Valid Bean Name In Implementation Class Returns FRM-13008 Error](#)
- [Forms to Report Integration Does not Work in Debug Mode](#)

4.1 Creating Relation Causes Builder to Crash

(2301781) In the Property Inspector, you must set the property “Query Data Source Name” for the control block or else Forms Developer will crash when creating a relation using the New Relation Wizard.

4.2 Time Zone Support for Dates Prior to November 18, 1883

(2105230) There is a known problem with conversion of dates prior to November 18, 1883 between different time zones - e.g. US/Eastern to GMT. The wrong result can be returned in these circumstances. This problem will be addressed in a future patch of Oracle9i Forms.

4.3 Forms Can Mangle Data In NCHAR Or NVARCHAR2 Columns

(2060602) Data in NCHAR or NVARCHAR2 columns may not be correct. When a Form is running against a database that has non-Unicode NLS_CHARACTERSET, data can be mangled when inserting or updating from a CHAR item in the Form into an NCHAR or NVARCHAR2 column in the database, even when the server hosting the Form specifies the UTF8 character set for NLS_LANG.

Data can also be mangled when querying from NCHAR or NVARCHAR2 columns.

4.4 Getting ONETIMEWHERE Block Property after Querying May Crash Forms

(2175919) After querying records into a data block, and if the ONETIMEWHERE property is set for the data block, Forms crashes while retrieving the ONETIMEWHERE property.

As a workaround, if you set the ONETIMEWHERE property on a block, then execute the query, do not get the ONETIMEWHERE property.

4.5 Layout Editor Should Show Iconic Button GIF/JPG Images

(1960603) In a Web environment, icons are either GIF or JPG files. However, in the Layout Editor in the Forms Builder, ICO files are still used to display icons. These icons are used for design-time only. At runtime, GIF and JPG files are used. A future version of Oracle9i Forms should support GIF and JPG files in the Form Builder at design-time.

4.6 Cannot Use Keyboard to Navigate to Select Java Classes Field

(2235125) In the Import Java Classes dialog, you cannot navigate using keys to the Select Java Classes field.

4.7 Unable to Open a Form by Double-Clicking the FMB File

(2234624) If the Form Builder is not running, and when you double click a .fmb file, the Form Builder will start but the file will not load (you'll receive an error message.) However, if the Form Builder is running, double clicking a .fmb file opens it in the Form Builder.

4.8 Migration Assistant

(2250726) DATA_PARAMETER that is used with Run_Product to call Reports cannot be passed to Reports via Run_Report_Object. The migration assistant issues a warning that if this is used in Conjunction with RUN_PRODUCT() for Reports then it will no longer work.

4.8.1 Migration Assistant and PLL files

(2116895 and 2116644)

The migration of a PLL file is unsuccessful if the PLL contains either the keyword "language" or "userenv('LANG')". As a workaround, we have fixed the Migration Assistant so that if it finds the occurrence of either of these words inside the PLL, it will abort the migration process with an error

message. The error message is different for each keyword, and looks something like:

```
ERROR: <OBJECT_NAME>: Invalid PL/SQL variable name "language" found.  
This variable should be renamed.
```

```
ERROR: <OBJECT_NAME>: Invalid PL/SQL construct "userenv('LANG')" found.  
ora_nls.get_lang_str(ora_nls.language_abbr) should be used instead.
```

```
ERROR: Stop word(s) found. Rolling back changes and aborting migration.
```

Unfortunately, the occurrences of these stop words inside comments also cause migration to be aborted. If you don't want to abort migration of the PLL, you can comment out the userenv and language category lines in the search_replace.properties file.

4.8.2 Compile After Conversion

(2175830) Compile After Conversion (default.generatoruntime) is still valid, and is a true/false property. If it is set to "true", the module is compiled after conversion (i.e .fmx or .mmx or .plx file is generated). In the case of PLL files, the PLX file is always generated, irrespective of the default.generatoruntime property. This behavior is incorrect, and bug 2175830 has been filed for it.

4.9 JAWS Issues

4.9.1 JAWS Cannot Read the PL/SQL Compilation Messages Window

(2069317) When you compile PL/SQL in Forms, a dialog is raised with a scrollable region with all of the errors listed. This dialog is accessible with the exception of scrolling the errors. As a result, you can only see one error at a time. However, you can use the generator (a separate executable) to output all of the errors.

4.9.2 Unable to Read Different Icons in Property Palette

(2115836) The property palette has four icons that show if a property is default, user-set, inherited, or user-set over inherited. JAWS does not read anything that distinguishes these properties as having these characteristics.

As a workaround, look at the Edit | Inherit menu. It will be disabled if the property in question has a grey dot; otherwise, it is enabled. When it is enabled, you can look at the Subclass Information property, navigate to the property class, and see if the property is inherited or not and compare values.

Alternatively, you can convert the .fmb file to XML and look at the properties there. Only overwritten properties will be displayed in the XML.

4.9.3 Closing Internet Explorer While JAWS Is Running Does Not Kill IE Process

(2015489 and 2068572) If you are using JAWS, and you close Internet Explorer, the Windows Task Manager reports the IE process as running because JAWS has an active thread holding IE. The IE process can be killed from the Task Manager.

4.9.4 JAWS Does Not Read the Tabs in the Form Builder Preferences Dialog

(2238679) If you open the Form Builder Preferences dialog, JAWS does not read out the tab names. As a workaround, press the F1 key to open the Online Help to explain the structure of the Preferences dialog.

4.10 Closing Browser While Application is Running Creates Orphan Process

(2127609 and 2145774) If you close the browser while your Forms application is suspended, the runtime process on the server will be orphaned. It will remain until the timeout period is reached, which is 15 minutes by default.

A Forms application is suspended when the client applet is not active. For example,

- While waiting for a running query to execute;
- While using the debugger, and it is at a breakpoint.

4.11 RUN_PRODUCT Built-in Fails When Used to Start a Second Forms Session

(2258275) When the RUN_PRODUCT Built-in to invoke a second Web-deployed Forms application, you may receive the error:

```
Connection from a new browser window not supported
```

Also, the original Form session may freeze when the newly created one is exited. As a workaround, use the “open_form” PL/SQL built-in to run another (or the same) Form instance in a new session instead of using run_product. This is the recommended way of running multiple Forms sessions in one browser window.

4.12 Valid Bean Name In Implementation Class Returns FRM-13008 Error

(2254547) After assigning a valid bean name in the Implementation Class Property, Forms returns the following error:

```
FRM-13008: cannot find javabean with name 'mypackage.PJCBeanWrapper'.
```

Make sure all the dependent class files are available to Forms builder. If you have created the bean using JDeveloper PJC Wizard, add `jdev-rt.jar`, `f90all.jar` and the jar containing the bean classes to `FORMS90_BUILDER_CLASSPATH` as a workaround.

4.13 Forms to Report Integration Does not Work in Debug Mode

When running a form with an integrated report from Forms Developer in debug mode (using “Debug Module” from the “Debug” menu or by clicking the “Run Form Debug” button), the following error occurs:

```
FRM-41213: Unable to connect to the Report Server Rep9isrv.
```

Reports integration works without error when you are not running the form in debug mode.

4.14 XMLTOOL Issues

4.14.1 Converting a Form Module to XML and Back

(2252171) After converting an Oracle9i Forms module to its XML equivalent and then back to a Forms module, the canvases may not display correctly because custom color palettes are not preserved in the conversion.

4.14.2 XML To FMB Conversion Does Not Report Image Errors

(2061461) When doing an XML to FMB conversion on an Oracle9i Form that contains a graphics object of type IMAGE, and the image file is not found, the conversion utility provides no warning. When this Form is loaded into the Forms Builder and the canvas containing that object is opened, the Form Builder crashes.

4.14.3 XML Converter Throws Exception if PLL Is Missing

(2255174) When using the XML converter on a Oracle9i Form with an attached PLL file, and if the PLL file is not in the `FORMS90_PATH`, the XML

Converter throws an exception. Instead of a clear message which indicates the PLL file that is causing the problem, the user gets an ambiguous error:

```
Processing XML module vec0005_fmb.xml
@ ERROR - an exception has been encountered:
@ oracle.forms.jdapi.JdapiException: _jni_attach_lib failed
```

However, the XML Converter will continue without the library.

4.15 PL/SQL Converter Issues

4.15.1 PL/SQL Converter Converts All Occurrences of the Word "CALL" to "CALL_FORM"

(2114805) This behavior happens even if the word “CALL” is used elsewhere, such as in comments.

4.15.2 PL/SQL Converter Displays Warning About Commented-Out Obsolete Built-in

(2116969) The PL/SQL Converter shows warnings about obsolete Built-ins that are commented out.

4.16 JDAPI Issues

4.16.1 Use Uppercase When Referring to Forms Objects that Use JDAPI

(2215797) Internally, Forms uses uppercase characters for Oracle9i Form objects. Since Java is case-sensitive, it is important to use uppercase when referring to Forms objects using JDAPI.

4.16.2 Complete Classpath not Available for JDAPI

(2316467) In order to run the JDAPI, you will need to have f90jdapi.jar in the CLASSPATH:

```
CLASSPATH =<oraclehome>\forms90\java\f90jdapi.jar;
```

5 National Language Support Issues

This section describes known issues with national language support.

- [Obsolete Menu Item Type Upgrade Messages](#)
- [Use of Multibyte Characters in URL Query Parameters and Form Name](#)

- [Multibyte Characters in Environment File](#)

5.1 Obsolete Menu Item Type Upgrade Messages

(2055224) The following messages related to the upgrade of obsolete menu item types are not present in non-English versions of the message file.

The following messages were added to the message file:

```
2500,0, "PLUS-type menu items are not supported in this version of
Forms.\n"
2501,0, "FORM-type menu items are not supported in this version of
Forms.\n"
2502,0, "MACRO-type menu items are not supported in this version of
Forms.\n"
2503,0, "This menu item has been converted to a PL/SQL-type menu
item.\nThe old command text is shown within comments below.\n"
2504,0, "Consider using the HOST built-in with the original text."
2505,0, "Consider using the CALL_FORM built-in with the original text."
2506,0, "Consider using the MACRO built-in with the original text."
```

5.2 Use of Multibyte Characters in URL Query Parameters and Form Name

(1994138 and 1961840) Multibyte or bidirectional characters in query parameters in a URL used to invoke the Forms Servlet may not be handled correctly. For example, attempting to run a form whose (fmx) file name contains multibyte characters using a URL like

```
http://myserver/forms90/f90servlet?form=abcXX
```

may fail with an error saying the form module was not found (where XX represent multibyte or bidirectional characters). Also, specifying a multibyte form name in the formsweb.cfg file may fail in the same way too. The workaround is to rename the Form fmx file to a name not containing multibyte characters. These issues will be addressed in a future release.

5.3 Multibyte Characters in Environment File

(194001) Multibyte or bidirectional characters in the environment file (usually called default.env) may not be read correctly. For example, if the FORMS90_PATH variable contains such characters the form may not be found (case where path to the form includes directories whose names contain multibyte characters). The workaround on Windows is to define the FORMS90_PATH setting in the Windows registry instead (using regedit) and remove it from the environment file. Another possible workaround, for all platforms, is to place the form module under directories with names which only include single byte characters.

6 TranslationHub Issues

The following issues relate to TranslationHub:

- [Restrictions](#)
- [Installing Oracle8i Personal Edition for Use with TranslationHub](#)

6.1 Restrictions

- Each instance of Oracle9i Forms Developer and Oracle9iAS Forms Services operating in shared mode must use the same system character set (ANSI Code Page). The Code Page you use depends on the language version of Windows installed on your PC.
- If you use different character sets on different systems, the data in a shared project or the data in archives might be corrupted. For example, if a project is shared between two PCs, one running German Windows and one running Polish Windows, the data is corrupted.
- A base language restricted to US7ASCII is compatible with all other languages. To take full advantage of this scenario when translating, use the same language version of Windows as the translation language.
- Oracle Corporation recommends that PCs accessing the same shared project or sharing archives use the same language version of Windows, for example, German Windows. If this is not possible, the version of Windows on the PCs must use the same character set, for example, one running French Windows and one running German Windows.
- You can only use paper layout Reports files, that is, you cannot use Web layout files in Oracle9i Forms Developer and Oracle9iAS Forms Services.

6.2 Installing Oracle8i Personal Edition for Use with TranslationHub

Individual users of TranslationHub, working in remote sites, might need to use Oracle8i Personal Edition as the local database to store TranslationHub projects.

While installing Oracle8i Personal Edition, use the following notes:

- If you are running a Western European language version of Windows NT, perform a standard installation as described in the *Oracle8i Personal Edition Installation Guide*.

- If you are running a non-Western European language version of Windows NT, use the instructions in the section below.

6.2.1 Installing Oracle8i Personal Edition on a Non-western European Language Version of Windows NT

To install Oracle8i Personal Edition on a non-western European language version of Windows NT:

1. Start the installation, and choose to perform a Custom installation when prompted.
2. When prompted, select Product Languages.
3. From the Available Languages list, select English.
4. From the Components list, select the following:

| Components | Install Status |
|-------------------------------|----------------|
| Oracle8i Server 8.1.6.0.0 | New Install |
| Oracle Product Options | New Install |
| Oracle Time Series | Not Installed |
| Visual Information Retrieval | Not Installed |
| Oracle Spatial | New Install |
| Oracle Com Automation Feature | New Install |
| Oracle Advanced Security | New Install |
| Oracle interMedia | New Install |
| Net 8 Products | New Install |
| Net8 Client | New Install |
| Net8 Server | New Install |
| Oracle Names | New Install |
| Oracle Connection Manager | New Install |
| Oracle SNMP Agent | New Install |
| Oracle Protocol Support | New Install |
| Oracle Utilities | New Install |
| Performance Monitor | Not Installed |
| Oracle Database Utilities | New Install |
| SQL*Plus | New Install |
| Oracle Java Products | New Install |

| Components | Install Status |
|---|-----------------------|
| Oracle JDBC Drivers | New Install |
| Oracle JDBC/OCI Driver for JDK 1.1.8.1.6.0.0 | New Install |
| Oracle JDBC/OCI Driver for JDK 1.2.8.1.6.0.0 | New Install |
| Oracle JDBC Thin Driver for JDK | New Install |
| Oracle SQLJ | New Install |
| Oracle Java Tools | New Install |
| Oracle Enterprise Manager Products | New Install |
| Oracle Intelligent Agent | New Install |
| Oracle Management Server | New Install |
| Oracle Enterprise Manager Client | New Install |
| Oracle Enterprise Manager Web Site | Not Installed |
| Oracle Enterprise Manager Quick Tours | New Install |
| Oracle Configuration Assistants | New Install |
| Oracle Data Migration Assistant | New Install |
| Oracle Database Configuration Assistant | New Install |
| Oracle Web Publishing Assistant | New Install |
| Development Tools | New Install |
| Call interface | New Install |
| Oracle Type Translator | New Install |
| Oracle Objects for OLE | New Install |
| Oracle ODBC Driver | New Install |
| Oracle Provider for OLE DB | New Install |
| Oracle Installation Products | New Install |
| Oracle Universal Installer | New Install |
| Oracle Migration Workbench | Not Installed |
| Oracle Services for Microsoft Transaction Manager | Not Installed |
| Oracle Administration Assistant for NT | New Install |

5. Continue the installation until prompted whether to create a new repository for the management server.
6. Choose to create a new repository for the management server.

7. After the installation is complete, you are prompted to configure the database. Choose to perform a Typical configuration, selecting the following options:
 - Multipurpose
 - 15 concurrently connected users
 - Dedicated Server Mode
 - Oracle JServer
 8. When prompted, change the character set as follows:
 - In the Change Character Set To field, type WE8ISO8859P1.
 - In the Change National Character Set field, type WE8ISO8859P1.
 9. When prompted with the Compatible Parameter list, select 8.1.0.
 10. When prompted, ensure the following is true:
 - Maximum data files: 254
 - Maximum Log Files: 32
 - Maximum Log Members: 2
 11. When prompted for the database size:
 - In the Size (MB) field, type 200.
 - Click the Tool tab and select Unlimited.
 - Click the User tab and select Unlimited.
 - Click the Rollback tab and select Unlimited.
 - Click the Index tab and select Unlimited.
 12. Ensure the Redo Log File Size fields have the value of 1024.
 13. Ensure the Checkpoint interval field has a value of 1000.
 14. Ensure the Checkpoint Timeout (sec) field has a value of 1800.
 15. In the Shared Pool Size (Bytes) field, type 70000000.
 16. In the Processes field, select 150.
 17. Accept the default values for all other configuration prompts.
- Refer to the *Oracle8i Personal Edition Installation Guide* for detailed information on installing Oracle8i Personal Edition.

7 Documentation Errata

This section describes known errors in the Oracle9i Forms documentation set:

- [Online Help System](#)

7.1 Online Help System

7.1.1 Browsing PL/SQL Package Global Variables in the Debugger

In the Online Help topic “About Debugging”, the sixth bullet in the list incorrectly mentions that you can browse instantiated PL/SQL package global variables. These variables cannot be seen in the debugger.

7.1.2 Incorrect Code in JDAPI Subclassing Example

(2170544) In the Online Help topic “Low-level Subclassing Using Parent Properties”, the following line of code:

```
blockA.setParentModuleStorage(JdapiTypes.PAMO_FILESYSTEM_CTID);
```

causes a compilation error:

```
cannot resolve symbol  
symbol: variable PAMO_FILESYSTEM_CTID  
blockA.setParentModuleStorage(JdapiTypes.PAMO_FILESYSTEM_CTID);
```

The solution is to comment out this line of code and the example will compile.