Oracle® Business Intelligence Publisher

Release Notes

Release 10.1.3.4.2

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Oracle Business Intelligence Publisher Release Notes, Release 10.1.3.4.2

Part No. E12691-16

Contents

Preface

1 Oracle Business Intelligence Publisher Release Notes

Preface

Intended Audience

Welcome to Release 10.1.3.4.2 of the *Oracle Business Intelligence Publisher Release Notes.*

This document is intended for individuals responsible for implementing and managing Oracle Business Intelligence Publisher.

See Related Information Sources on page v for more Oracle product information.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Structure

1 Oracle Business Intelligence Publisher Release Notes

Related Information Sources

For more information about Oracle Business Intelligence Publisher, see the following documents. All are available from the BI Publisher documentation page on the Oracle Technology Network:

http://www.oracle.com/technology/documentation/bi_pub.html

- *Oracle Business Intelligence Publisher Report Designer's Guide* - includes information on using the BI Publisher user interface and instructions for creating reports.

- *Oracle Business Intelligence Publisher Administrator's and Developer's Guide* - includes information on configuring and administering BI Publisher, as well guidelines for using the BI Publisher application programming interface.

- *Oracle Business Intelligence Publisher Installation Guide* - includes instructions for installing BI Publisher.

- *Oracle Business Intelligence Publisher New Features Guide* - includes new features introduced in the 10.1.3.4.1 and 10.1.3.4.2 versions of the product.

For more information about the Oracle Business Intelligence Enterprise Edition, see the following page on the Oracle Technology Network for a list of documents:

http://www.oracle.com/technology/documentation/bi_ee.html

1

Oracle Business Intelligence Publisher Release Notes

Introduction

These release notes describe known issues and workarounds for Oracle Business Intelligence Publisher releases 10.1.3.3, 10.1.3.3.1, 10.1.3.3.2, 10.1.3.3.3, 10.1.3.4, 10.1.3.4.1, and 10.1.3.4.2. For installation information, consult the *Oracle Business Intelligence Publisher Installation Guide*, which is available on the Oracle Business Intelligence Publisher install media and on the Oracle Business Intelligence Publisher Web site:

http://www.oracle.com/technology/documentation/bi_pub.html

These release notes are organized into the following sections:

- How to Use These Release Notes, page 1-2

- Upgrading to this Release, page 1-2

- Issues and Workarounds, page 1-5

    - General Issues, page 1-5

    - Security Issues, page 1-17

    - Delivery Manager Issues, page 1-20

    - Scheduler Issues, page 1-20

    - RTF Template Issues, page 1-22

    - PDF Template Issues, page 1-23

    - BI Publisher Desktop Tools Issues, page 1-24

- Flash Template Issues, page 1-25

- Data Template Issues, page 1-25

- Report Building Issues, page 1-26

- Documentation Issues, page 1-27

- Resolved Issues, page 1-32

- New Features in This Release, page 1-36

How to Use These Release Notes

These release notes are updated periodically as new information becomes available. To ensure that you are reading the latest version of the release notes, check the Oracle Business Intelligence Publisher Web site:

http://www.oracle.com/technology/documentation/bi_pub.html

Upgrading to this Release

Overview

Currently the Oracle BI Publisher installer does not include an upgrade option. Follow these steps to upgrade BI Publisher versions 10.1.3.2 and later to version 10.1.3.4.2.

This procedure applies to BI Publisher installations originally installed using the BI Publisher Installer or originally installed by following the manual install instructions in the *Oracle Business Intelligence Publisher Installation Guide*.

The upgrade procedure described in this section consists of the following general steps:

1. Back up your existing install.

2. Manually deploy the xmlpserver.ear or xmlpserver.war to your application server.

3. Copy the specified files from the install media to your XMLP repository folders.

Prepare Your Existing Installation:

Prepare your existing installation by backing up files and noting your existing scheduler configuration.

1. Back up all the directories under the BI Publisher repository.

   The BI Publisher repository is the directory named "XMLP" that contains the

following subdirectories:

- Admin

- Demofiles

- Reports

- Tools

- Users

If you do not know the location of the BI Publisher repository:

1. Log in to BI Publisher with Administrator privileges and select the **Admin** tab.

2. Under **System Maintenance** options, select **Report Repository** to see the path to your BI Publisher repository.

2. Back up the BI Publisher configuration file: `xmlp-server-config.xml`

    located in the `<application-installation>/WEB-INF/` directory, where your application server unpacked the BI Publisher WAR or EAR file.

    For example, in an Oracle AS/OC4J 10.1.3 deployment, the location is

    `<ORACLE_HOME>/j2ee/home/applications/xmlpserver/xmlpserver/WE
    B-INF/xmlp-server-config.xml`

3. Note your existing scheduler configuration details: From the **Admin** tab, under **System Maintenance**, select **Scheduler Configuration**.

    After upgrading the BI Publisher server, you must reenter the scheduler database connection details in this page. Have this information available to complete the upgrade.

Upgrade the Application

1. Shut down BI Publisher.

2. Undeploy the BI Publisher application ("xmlpserver") from your J2EE application server. See your application server documentation for instructions on how to undeploy an application.

3. Deploy the new version of the xmlpserver.ear or xmlpserver.war to your application server. See the chapter "Manually Installing BI Publisher to a J2EE Application Server" in the *Oracle Business Intelligence Publisher Installation Guide* for guidelines for your application server type.

Upgrade the Repository

To upgrade the repository, manually copy the files listed here from the install media to your existing BI Publisher repository.

1. Copy the following files from the 10.1.3.4.2 install media to your existing BI Publisher Repository:

    *   `manual/XMLP/Admin/DataSource/jdbcdefaults.xml`

    *   `manual/XMLP/Admin/DataSource/msmdacc.dll`

    *   `manual/XMLP/Admin/Security/bip.product`

    *   `manual/XMLP/Admin/Security/bip.instance`

    *   `manual/XMLP/Admin/Security/ssodefaults.xml`

    *   `manual/XMLP/Admin/Scheduler/database-config.xml`

2. Manually copy all files in the following directories from the 10.1.3.4.2 install media to your existing BI Publisher Repository:

    *   `manual/XMLP/Admin/Translation`

    *   `manual/XMLP/Tools`

3. Copy the saved backup copy of the `xmlp-server-config.xml` from the previous step to the newly created BI Publisher <application installation>/WEB-INF/ directory, where your application server unpacked the BI Publisher war or ear file.

    Example:

    In an Oracle AS/OC4J 10.1.3 deployment, the location is

    ```
    <ORACLE_HOME>/j2ee/home/applications/xmlpserver/xmlpserver/WE
    B-INF/xmlp-server-config.xml
    ```

4. (Conditional) This step is for existing customers who are using Oracle SSO and who are upgrading from a version of BI Publisher earlier than 10.1.3.4.0d+.

    Add the following line to the `xmlp-server-config.xml` file:

    ```
    <property name="SSO_TYPE" value="OSSO"/>
    ```

    The valid values for the SSO_TYPE property are:

    *   "OSSO" - for Oracle Single Sign-On

    *   "OAM" - for Oracle Access Manager

    *   "SITEMINDER" - for CA SiteMinder

For more information, refer to the SSOconfigPatch.doc available from My Oracle Support:
https://support.oracle.com/CSP/main/article?cmd=show&type=ATT&id=797057.1:01_SSOconfigPatch

5. Restart the BI Publisher application (xmlpserver).

6. Enter the Scheduler Configuration details.

   Navigate to the **Scheduler Configuration** page (Admin > System Maintenance > Scheduler Configuration) and enter the connection details that you noted in a previous step. Test the connection.

   Do not reinstall the scheduler schema.

7. Restart the BI Publisher application (xmlpserver).

Issues and Workarounds

General Issues

Interface May Enter Stale State After Extended Use

After extended use, the BI Publisher Web UI may enter a state in which the top header frame colors appear reversed (blue screen objects appear white); however, the navigation links remain white. Therefore you may not be able to see

Welcome, <username> Preferences Sign Out Help

To correct this problem, restart the browser.

BI Publisher Performance Impacted by Bug in Java SE Development Kit (JDK) 5.0 version

The Java SE Development Kit (JDK) 5.0 version 1_5_0_7 contains a bug that impacts the performance of BI Publisher.

To correct this problem, upgrade to JDK 5.0 update 11 (1_5_0_11). You can download this update from:

http://java.sun.com/javase/downloads/index_jdk5.jsp

Space Character in ORACLE_HOME Directory Name Causes Runtime Error During Installation

When performing an advanced install into an existing ORACLE_HOME a runtime error will occur if a space character is in the directory name of the selected ORACLE_HOME. This is a limitation of the Oracle Universal Installer (OUI) version 10.1.0.6.0 used for BI Publisher 10.1.3.3. The directory name is not validated before installation, thereby allowing installation to proceed. However, the runtime error will be encountered, which will require you to cancel the installation.

To work around this issue, choose an ORACLE_HOME directory name that does not include a space character.

Internal Server Error 500 and 501 When Using Discoverer Worksheet as a Data Source

If you encounter either of the following errors when using Discoverer Worksheets in your report data model:

500 Internal Server Error

The server encountered an internal error or misconfiguration and was unable to complete your request.

or Error 501

It is possible that the HTTP server where BI Publisher is running is timing out before the Discoverer Web service returns the data from the worksheet. If that is the case, you can correct this problem by increasing the values of Timeout and KeepAliveTimeout in the file:

```
<Oracle_Home>\Apache\Apache\conf\httpd.conf
```

For example you can change the following values:

```
Timeout 1800
KeepAliveTimeout 15
```

to

```
Timeout 7200
KeepAliveTimeout 150
```

Note the values are in seconds (1800=30 minutes, 7200=2 hours).

Images Do Not Generate Properly Without X Server

If you are running the BI Publisher server on a Linux or Unix machine that does not have an X Server installed reports that contain images may not be properly generated.

Workaround: If you are running Java 1.4.2 or later, start the environment with a headless implementation. Specify the following property at the Java command line:

```
-Djava.awt.headless=true
```

For JDK versions prior to 1.4.2 please see your documentation on how to implement X Host for your environment.

Reports with Multibyte Character File Names Do Not Download Properly

If your report file name contains multibyte characters and you download the report by selecting the **Report Actions** icon then clicking **Download this report**, the file names in the generated zip file will be invalid. This is due to a Java bug (details available from the Sun Developer Network [http://bugs.sun.com/bugdatabase/view_bug.do;:YfiG?bug_id=4244499]). Consequently, the downloaded report zip file cannot be uploaded back to the BI Publisher server. To work around this issue, use only ASCII characters in file names.

Multibyte Character File Names Not Supported at Runtime

Because the encoding of multibyte character file names is dependent on the operating system and locale of the runtime environment, BI Publisher cannot support multibyte characters in file names. To work around this issue, use only ASCII characters in file names.

Column-Level Time Zone Formatting in BI Answers Not Supported in BI Publisher

Oracle BI Publisher does not support column-level time zone settings applied in BI Presentation Services. BI Publisher reports that use BI Answers requests with column-level time zone settings may result in different dates displayed in BI Presentation Services and BI Publisher. This is not an issue for reports without column-level time zone settings as long as the User Time Zone setting for BI Publisher and BI Presentation Services is the same.

Proxy Configuration Required for Accessing Data Sources over the Internet When the Server is Set Up Behind a Firewall

To use external Web Services or HTTP data sources when your BI Publisher server is set up behind a firewall or requires a proxy to access the internet, then you must configure Oracle Containers for J2EE (OC4J), or your supported J2EE application server to be aware of the proxy.

For OC4J, update the `<Oracle_Home>\oc4j\bin\oc4j.cmd` file. Locate the following line:

```
rem JVMARGS
set
JVMARGS=-Djava.library.path=C:\oracle\bi\server\Bin;C:\oracle\bi\web\bin
-DSAROOTDIR=C:\oracle\bi -DSADATADIR=C:\oracle\bidata
-XX:MaxPermSize=128m -Xmx512m %OC4J_JVM_ARGS%
```

and update with the following string:

```
-Dhttp.proxyHost=<proxy.mycompany.com> -Dhttp.proxyPort=80
```

so the result will be:

```
rem JVMARGS
set JVMARGS=-Dhttp.proxyHost=<proxy.mycompany.com> -Dhttp.proxyPort=80
-Djava.library.path=C:\oracle\bi\server\Bin;C:\oracle\bi\web\bin
-DSAROOTDIR=C:\oracle\bi -DSADATADIR=C:\oracle\bidata
-XX:MaxPermSize=128m -Xmx512m %OC4J_JVM_ARGS%
```

For other application servers, consult your documentation.

Analyzer Templates with Multibyte Character Names Cause Error When Autorun in View Mode

If you create an Analyzer template with multibyte characters in the template name and run the report by selecting the View link or button, you will receive the following error:

500 Internal Server Error

Servlet error: An exception occurred. The current application deployment descriptors

do not allow for including it in this response. Please consult the application log for details.

If you select View again, the report will be rendered correctly.

To work around this issue, use only ASCII characters in template names, or turn off the auto-run option for the report.

BI Publisher Report Editor Panel Fails to Display Correctly When Using Internet Explorer 6.0 in SSO-Enabled Environments

If SSO is enabled, the Report Editor panel may fail to display correctly if you are also using Internet Explorer 6.0 as your Web browser. To work around this issue, use either Internet Explorer 7.0 (or later supported version) or Firefox 2.0 (or later supported version).

Admin Tab May Not Display When BI Publisher Integrated with E-Business Suite

If you integrate Oracle BI Publisher Enterprise with the E-Business Suite, you may not be able to see the Admin tab after logging in to BI Publisher with an E-Business Suite user who has the appropriate BI Publisher responsibilities. This results when the database NLS_LANG setting does not match the OC4J NLS_LANG setting.

OC4J derives its NLS_LANG value from the operating system locale. Therefore, to resolve this issue, you must define the LANG environment variable for your OC4J operating system with the proper locale name to match the NLS_LANG setting for the E-Business Suite database. For example, if OC4J is deployed on Linux, and the NLS_LANG for the E-Business Suite database is defined as "American_America.UTF8", then you must define the LANG environment variable for your Linux OS as "en_US.UTF-8". For more information on setting this variable, see the following notes on Oracle MetaLink:

Note: 264157.1: The Correct NLS_LANG Setting in Unix Environments

Note: 351919.1: Globalization Support : JavaVM, Oracle JDBC Driver, NLS_LANG and OC4J

Multibyte Characters Not Displayed Correctly in Report History for Discoverer-Based Reports

If you create a report using a Discoverer worksheet as a data source and the report includes parameter names that contain multibyte characters, then when you schedule that report, the report history does not correctly display the parameter names with the multibyte characters.

500 Internal Server Error After Choosing Link to Report > Link to Document Only

When you choose an analyzer template with interactive output format and click "Link to this report" and then choose the "Document Only" option, if you copy the URL into a new browser window to request the report by this URL, you will encounter a 500 internal error.

There is no workaround for this issue.

Integration with Smart Space, Fusion Edition (11.1.1) Requires Update to JVM Parameter

Note: This issue has been fixed in Smart Space, Fusion Edition 11.1.1.1.

To enable BI Publisher to work with Oracle Smart Space, Fusion Edition (Release 11.1.1), you must force the BI Publisher Web service to appear as RPC-encoded. The solution for this issue is to set the JVM parameter described below.

Important: Setting this option causes the BI Office component of the Oracle Business Intelligence Enterprise Edition to fail. You therefore cannot integrate BI Publisher with Smart Space if you also wish to use BI Office.

To enable BI Publisher to integrate with Smart Space, modify the Java command that starts your J2EE application server that runs BI Publisher to include the following parameter:

```
-Daxis.ServerConfigFile=server-rpc-config.wsdd
```

For example, if you are using the default oc4j.cmd you would change this line:

```
set
JVMARGS=-Djava.library.path=C:\oracle\bise1\bi\server\Bin;C:\oracle\bise
1\bi\w
eb\bin -DSAROOTDIR=C:\oracle\bise1\bi -DSADATADIR=C:\oracle\bise1\bidata
-XX:MaxPermSize=128m -Xmx512m %OC4J_JVM_ARGS%
```

to this

```
set
JVMARGS=-Djava.library.path=C:\oracle\bise1\bi\server\Bin;C:\oracle\bise
1\bi\w
eb\bin -DSAROOTDIR=C:\oracle\bise1\bi -DSADATADIR=C:\oracle\bise1\bidata
-Daxis.ServerConfigFile=server-rpc-config.wsdd -XX:MaxPermSize=128m
-Xmx512m %OC4J_JVM_ARGS%
```

If you are not integrating with Oracle Smart Space this command is unnecessary.

Analyzer for Microsoft Excel Fails to Install to Client from Sun Java System Web Server Deployments

This applies to Sun Java System Web Server deployments only.

To enable users to download and install the Analyzer for Microsoft Excel from their BI Publisher session, you must update your Web server mime.types file as follows:

Locate the line:

```
type=magnus-internal/cgi                    exts=cgi,exe,bat
```

Update it as follows:

```
type=magnus-internal/cgi                    exts=cgi,bat
```

Locate the line:

```
type=application/octet-stream              exts=bin
```

Update it as follows:

```
type=application/octet-stream              exts=bin,exe
```

Manual Deployment of BI Publisher Application to Context Other Than "xmlpserver" Requires Additional Configuration

If you choose a different context root than "xmlpserver" when you deploy the BI Publisher application to your application server, you will not be able to download the BI Publisher desktop tools from the BI Publisher server.

To work around this issue you must manually configure the web.xml file. The web.xml file is located:

/<*application installation*>/xmlpserver/WEB-INF/web.xml

Update the following parameters to specify the context root you chose:

- xmlp-online-web-dir

- service-endpoint

- web-dir

For example, if you specified your context root to be "bipub", update the parameters in the web.xml file as follows:

```
<#> <init-param>
 <! -
 This is the root webdir for the xmlpserver application. Modify this
           if xmlpserver.ear is not deployed to its standard location.
 - >
  <param-name>xmlp-online-web-dir</param-name>
  <param-value>/bipub</param-value>
  </init-param>
<#> <init-param>
 <! -
Path to the ServiceGateway SOAP end point. Most likely this will be the
path for services deployed with Axis.
 - >
  <param-name>service-endpoint</param-name>
  <param-value>/bipub/services/ServiceGateway</param-value>
  </init-param>
<#> <init-param>
 <! -
 Path to report service web directory.          - >
  <param-name>web-dir</param-name>
  <param-value>/bipub/report_service</param-value>
  </init-param>
```

MHTML Output Format Not Supported on Mac OS X Client

An MHTML reader is currently not available for Mac OS X. If your client is running Mac OS X and you choose the MHTML output format for a report, you will receive an error.

This issue has no workaround.

Shuttle Icons May Appear as Text Strings in HP-UX PA-RISC Install

This applies to installations of BI Publisher on the HP-UX PA-RISC (32-bit) operating system only. After first installing BI Publisher, the "Move" and "Move All" shuttle icons that enable you to move items from one list to another may appear as text strings rather than icons.

To correct this issue, restart the BI Publisher server (xmlpserver).

Flash Report PDF Output May Not Render with Adobe Reader 7.0.x

PDF output generated from BI Publisher Flash templates may not render properly if you are using Adobe Reader 7.0.x,

To work around this issue, upgrade to Adobe Reader version 7.1 or higher.

Date Formats May Display Incorrectly in Microsoft Excel Output

When generating Microsoft Excel output from an RTF template, Excel may ignore or misinterpret formatting of date values. This is more likely to occur when you are running your operating system in languages other than English. You may be able to work around this issue by removing the date format applied to the field.

Setting UTF-8 Character Encoding Is a Prerequisite for Linux Installations to Support Multibyte Characters

The following applies to Linux installations only.

If you require support for multibyte characters, before you install the BI Publisher server you must set the character encoding for your Linux server to UTF-8. Set the encoding as follows:

```
setenv LC_ALL xx_XX.utf8
```

where xx is the language code and XX is the country code. For example:

```
setenv LC_ALL en_US.utf8
```

This setting is required because BI Publisher uses the file system for its repository. Therefore if a user creates a report name or folder name with multibyte characters, BI Publisher requires that the operating system can also store the multibyte characters encoded with UTF-8.

When Installing BI Publisher Enterprise on Linux, Japanese Characters Appear Garbled

When installing BI Publisher Enterprise standalone server on Linux (OEL4), Japanese characters appear garbled in the installation dialogs if LANG and LC_ALL are set to Japanese locale, for example, ja_JP.utf8, ja_JP.eucjp.

This occurs because the installer uses JRE version 1.4.2.

To work around this issue, specify a 1.5.x JRE when starting runInstaller, for example:

```
./runInstaller -jreLoc /usr/java/jdk1.5.0_15/jre
```

Date and Time Formatting for Certain Locales May Differ Between BI Publisher and Oracle RDBMS

BI Publisher uses the internationalization (I18N) library that is packaged with the Oracle9*i* Database. If you are using BI Publisher with Oracle Database 10*g* or later, date and time formatting for certain locales returned by the Oracle Database will not match those returned by BI Publisher.

This issue has no workaround.

Microsoft SQL Server 2008 Not a Choice in the Add Data Source Page

In release 10.1.3.4.1, BI Publisher introduced certification for Microsoft SQL Server 2008. However, the BI Publisher Add Data Source page does not include Microsoft SQL Server 2008 as an option in the list of Driver Types.

To add a JDBC connection to a Microsoft SQL Server 2008 data source, choose Microsoft SQL Server 2005 as the Driver Type, and enter the remaining information to connect to your database.

Netezza 4.5 Not a Choice in the Add Data Source Page

In release 10.1.3.4.1, BI Publisher introduced certification for Netezza 4.5. However, the BI Publisher Add Data Source page does not include Netezza 4.5 as an option in the list of Driver Types.

To add a JDBC connection to a Netezza 4.5 data source, choose Netezza 4.0 as the Driver Type, and enter the remaining information to connect to your database.

BI Publisher Report Parameters Support Text Box or List of Values

Parameters defined for BI Publisher reports allow for users to enter values directly if the parameter is not associated with a list of values (LOV). When a BI Publisher parameter is associated with an LOV, a user can only select values from the list. In Discoverer, parameter values can be either entered directly or selected from an LOV through a control called a combo-box. BI Publisher does not provide a combo box. For BI Publisher reports based on Discoverer worksheets that have parameters associated with an LOV, users will only be able to select parameter values from the LOV. Users will not be able to enter values for these parameters directly.

BI Publisher References Discoverer Worksheets by Name

For data models based on Discoverer worksheets, BI Publisher references the workbook and worksheet by name. If the workbook or worksheet name is changed in Discoverer, the BI Publisher report cannot run until you update the BI Publisher report's data model to point to the newly named Discoverer workbook or worksheet.

Trusted User Name Created in Discoverer for BI Publisher Integration Must Contain Only ASCII Characters

When configuring the trusted user to integrate Discoverer with BI Publisher, the username must contain only single-byte, ASCII characters. BI Publisher cannot access Discoverer connections created with a username that contains multibyte characters.

Analyzer for Excel Cannot Process Very Large Data Sets in Native Mode

If your XML data file is larger than 5 megabytes, do not use the Analyzer for Excel in native mode. Instead, use the Disabled Client Access mode. This mode is set as a report property. For information about enabling this mode, see the topic "Using the Report Editor" in the *Oracle Business Intelligence Publisher Report Designer's Guide*. Note that the Disabled Client Access mode requires that your data be in <ROWSET><ROW>...</ROWS>..</ROWSET> format.

BI Publisher Deployments to WebLogic 10.3 Require Additional Setting at Startup

> **Note:** This requirement was added to the WebLogic 10.3 installation instructions included in the *Oracle Business Intelligence Publisher New Features Guide* Release 10.1.3.4.2.

If you are deploying BI Publisher to WebLogic Server 10.3, you must include an additional setting to the startup script for the domain that contains the BI Publisher server.

Locate the startup script as follows:

```
/weblogic_home/user_projects/domains/base_domain/bin/startWebLogic.sh
```

Add the following setting:

```
-Dtoplink.xml.platform=oracle.toplink.platform.xml.jaxp.JAXPPlatform
```

This setting is required to enable BI Publisher to find the TopLink JAR files to create the Scheduler tables.

WebSphere 6.1: Class Loader Configuration Is Required When "HTTP 500 Internal Server Error" Prevents User Login

This issue applies to IBM WebSphere 6.1 deployments only.

When trying to log in to BI Publisher, if you encounter an "HTTP 500 Internal Server Error" with the exception:

```
SystemErr.log:

java.lang.VerifyError: class loading constraint violated (class:
oracle/xml/parser/v2/XMLNode method:
xdkSetQxName(Loracle/xml/util/QxName;)V) at pc: 0
```

You may need to modify the WebSphere class loader configuration properties.

Perform the following steps to ensure the correct configuration:

1. Log in to the WebSphere administrative console. From the **Applications** menu, select **Enterprise Applications.**

2. Select the "xmlpserver" application name from the list.

3. Choose "Class loading and update detection".

4. Under Class Loader > General Properties, set the following properties as shown:

Property	Setting
Polling interval for updated files:	0 seconds
Class loader order:	Classes loaded with application class loader first
WAR class loader policy:	Single class loader for application

5. Apply this change and save the new configuration.

6. Restart the xmlpserver application.

Please refer to the IBM WebSphere 6.1 documentation for more details: http://publib.boulder.ibm.com/infocenter/wasinfo/v6r1/index.jsp?topic=/com.ibm.websphere.base.doc/info/aes/ae/trun_classload_entapp.html

Erratic Errors in AIX Environments

If you are running on AIX with IBM's JDK 5.0 you may encounter erratic errors after running the system for a while. This is caused by issues with the JIT ("Just-in-Time") setting.

To work around this issue:

Enable JIT without delay with Java option "-Xjit:count=0".

For example, if using OC4J, you would enter the following command when starting the JVM (please refer to your application server documentation for the appropriate command for your environment):

```
java -Xjit:count=0 -jar oc4j.jar
```

This Java option forces the JIT to compile everything on first execution. A possible side affect is slightly longer first time run; however, subsequent runs are not affected.

Please refer to the "Diagnostics Guide" for your IBM Developer Kit and Runtime Environment for more information about this setting.

Deployment of BI Publisher Fails on Oracle AS 10.1.3.3 If Deployed in a Container Other Than the HOME OC4J Container

The deployment of Oracle BI Publisher on Oracle AS 10.1.3.3 will fail if you deploy BI Publisher in a container other then HOME OC4J container.

To work around this issue:

1. Log into the Enterprise Manager console.

2. Navigate to the cluster.

3. Create an oc4j_container named "oc4j_bipub" and start it.

4. On the server, open up the following file:
   $ORACLE_HOME/j2ee/oc4j_bipub/config/application.xml

5. Remove the following line from the file text:

   ```
   <import-shared-library name="apache.commons.logging"/>
   ```

6. Return to the Enterprise Manager console and restart the oc4j_bipub container.

7. Open the container.

8. Start the deployment with the local file
   /oracle/app/soadev/temp/bipub_deploy/oc4j/xmlpserver.ear

Error When Opening BI Publisher PowerPoint (MHTML) Output in PowerPoint 2010

When you select PowerPoint output in BI Publisher the formatting engine generates an MHTML file that can be opened in Microsoft PowerPoint. This is supported in Microsoft PowerPoint 2003 and 2007. Microsoft Office PowerPoint 2010 no longer supports the MHTML format. Attempting to open the PowerPoint output from BI Publisher in PowerPoint 2010 will cause an error.

To workaround this issue, open the BI Publisher report in PowerPoint 2003 or 2007. The report can then be saved as PPTX, if desired. Note that in release $11g$ BI Publisher supports both MHTML PowerPoint output and PPTX output.

First Day of Week Displayed in the Date Picker Not Correct for Some Locales

The calendar date picker that enables you to select a date parameter value in the report viewer and the scheduler does not display the correct first day of the week for some locales. For example, a user with French as the selected locale will see Dimanche (DIM) as the first day of the week rather than Lunedi (LUN).

To resolve this issue, the new property AUTO_FIRST_DAY_OF_WEEK is supported in the 10.1.3.4.2 release. Set this property in the xmlp-server-config-file as follows:

1. Navigate to the xmlp-server-config file.

   The config file is located:

   <BIP repository location>/Admin/Configuration/xmlp-server-config.xml

2. Set the AUTO_FIRST_DAY_OF_WEEK property to "true" as follows:

```
<xmlpConfig xmlns="http://xmlns.oracle.com/oxp/xmlp">
...
   <property name="AUTO_FIRST_DAY_OF_WEEK" value="true"/>
...

</xmlpConfig>
```

3. Restart the BI Publisher server.

Oracle Universal Installer Does Not Support Windows 2008

BI Publisher 10.1.3.4.2 adds support for Windows 2008. However, the Installer does not support Windows 2008. To install on Windows 2008 follow the steps in "Manually Installing BI Publisher to a J2EE Application Server" in the *Oracle Business Intelligence Publisher Installation Guide*.

Multibyte Characters in Chart Titles May Appear Garbled

Some characters may appear garbled in chart titles for HTML, RTF, Excel, and PowerPoint format output. These characters may be multibyte characters or Arabic, Hebrew, or Thai characters.

To work around this issue, you must install the corresponding language pack. To install a language pack on Windows OS:

1. Go to the **Control Panel** and select **Regional and Language Options**.

2. Click the **Languages** tab.

   To support multibyte characters (for example, Simplified Chinese, Korean, or Japanese) enable "Install files for East Asian languages."

   To support Arabic, Hebrew, or Thai characters, enable "Install files for complex script and right-to-left languages (including Thai)."

Bursting Engine Does Not Support Attributes in XML Data

The BI Publisher bursting engine processing logic does not support the use of attributes in the XML data.

To work around this issue, do not use attributes in XML data intended as input to the bursting engine.

Report Runtime Property "Disable External References" Does Not Inherit False Setting from Server

To set the report runtime property "Disable External References" to "False" you must explicitly set the report property to "False." If you set the property to null at the report level and set the server-level property to "False", expecting the report to inherit the server setting, BI Publisher will still treat the setting as "True" (which is the default).

To work around this issue, do not set the report-level property to null; ensure that you set the report-level setting to "False".

Security Issues

PDF Encryption Limited to RC4 Algorithm

The RC4 algorithm is less secure than newer algorithms such as AES and is not recommended for use in new applications. However, the RC4 algorithm is the only supported encryption algorithm for Adobe Acrobat 6.0. Support for AES encryption for Adobe Acrobat 7.0 and higher versions is planned for future releases of Oracle BI Publisher.

This issue has no workaround.

Enabling SSL Is Strongly Recommended for Web Service Communication

Oracle strongly recommends that you enable HTTPS on the middle tier hosting the Web services as the trusted username/password that is passed can be intercepted. This also pertains to Web services that are used for communication between BI Publisher and Oracle BI Presentation Services and between Oracle BI Publisher and Oracle BI Discoverer.

Once you set up SSL, follow the instructions in the following note to import certificates.

When Using SSL-Enabled Web Service as a Data Source, You May Need to Import Certificate

If you receive errors when making calls to a Web service that is protected via Secure Sockets Layer (SSL) (that is, uses https://), you may need to export the certificate from the Web server hosting the Web service and import it into the Java keystore on the machine running BI Publisher. An example error might be: "SSL received a record that exceeded the maximum permissible length."

The steps for importing the certificate are:

1. Navigate to the HTTPS site where the WSDL resides.

2. Download the certificate following the prompts (the prompts you see will vary depending on the browser you are using).

3. Install the Certificate into your keystore using the Java keytool, as follows:

```
keytool -import -file <certfile> -alias <certalias> -keystore
<keystore file>
```

4. (Conditional) If you do not already have a system-wide keystore for Java set up, then set the JAVA_OPTS environment variable to tell the BI Publisher server where to find the keystore, as follows:

    ```
    set JAVA_OPTS=-Djavax.net.ssl.trustStore=<keystore file>
    ```

    Note that if you set the `-keystore` option in Step 3 to your `{java.home}/lib/security/cacerts` directory, this step is not required because `{java.home}/lib/security/cacerts` is a system-wide keystore.

5. Restart the application server.

These steps should not be required if the server certificate is linked to some certificate authority (such as Verisign). But if the Web service server is using a self-generated certificate (for example, in a testing environment), then these steps will be required.

Cannot View PDF in Internet Explorer 6 and 7 over SSL

If you are using Microsoft Internet Explorer 6 or 7 over SSL (that is, https://) you will not be able to open PDF or other binary documents. This is an Internet Explorer issue that results when the header "Cache-Control: No Cache" is present in an HTTP response. For more information see the following Microsoft documents:

Internet Explorer file downloads over SSL do not work with the cache control headers [http://support.microsoft.com/kb/323308/en-us]

Prevent caching when you download active documents over SSL [http://support.microsoft.com/kb/815313/]

For Oracle Application Server deployments, you can work around this issue by modifying the `mod_osso.conf` file as follows:

1. Locate the following entry:

    ```
    <Location /xmlpserver>
       require valid-user
       AuthType Basic
    </Location>
    ```

2. Modify this entry as follows:

    ```
    <Location /xmlpserver>
       require valid-user
       AuthType Basic
       OssoSendCacheHeaders off
       Header unset Pragma
       Header unset Cache-Control
       Header unset Vary
     </Location>
    ```

For non-Oracle Application Server deployments, please see the Microsoft documents noted above for possible resolutions that can be implemented in your environment as

well as your application server documentation for information on turning off the "Pragma" and "Cache-Control" HTTP header properties.

Issue with Multibyte Character Names and LDAP Server

If you have configured BI Publisher to use an LDAP server, users with multibyte characters in their user name will not be able to see the Admin tab, even when granted the Administration Role. To work around this issue, create a user name with ASCII characters for users needing the Administration role.

Deleted User Folders Must be Manually Deleted from the Report Repository

When you delete a user, the user directory under the Reports tab/repository (Home>Users) is not deleted and cannot be deleted through the user interface.

To work around this issue, you must manually delete the user folder from the repository:

For file-based repositories:

1. Log on to the machine where BI Publisher is installed.

2. Locate the user folder under the %BIPublisher_Repository%/Users directory. Each user folder starts with a tilda character, for example: ~User1.

3. Delete the folder of the removed user.

User Is Prompted to Log in When Following the Dashboards Link in BI Publisher

If you click the Dashboards link from the BI Publisher application to navigate to the Business Intelligence Dashboards page, you will be prompted to log in again before you can access the Dashboards page.

This issue has no workaround.

Error When Navigating to BI Publisher from BI Enterprise Edition Menu in Fusion Intelligence

Users of Fusion Intelligence will get the following error when attempting to launch BI Publisher from the Oracle Business Intelligence **More Products** menu:

```
Oracle BI Publisher Enterprise
Error processing your BI Publisher request. Please contact your
administrator to review the log files.
   Error Details
  Error Codes: S8VLP8HS
```

The Fusion Intelligence authentication method does not work with BI Publisher and users will not be able to navigate to BI Publisher from the **More Products** menu when using Fusion Intelligence.

This issue has no workaround.

Superuser Privileges Are Limited to Functions on Admin Page of BI Publisher

The privileges assigned to the BI Publisher Superuser account are limited to tasks on the Admin page. The intention of the Superuser is to allow access to the system in the event of a failed or misconfigured external security model.

For LDAP Security Models: The Administrator Account Used to Access Your LDAP Server Must Be Assigned the XMLP_ADMIN Group

The configuration page to set up BI Publisher to use an LDAP security model requires that you enter the LDAP server Administrator username and password. The Administrator user that you enter here must also 0be a member of the XMLP_ADMIN group defined in your LDAP server.

Delivery Manager Issues

CUPS Server Does Not Appear as a Delivery Destination in Clustered Environment

If you are using a clustered environment, and you have a CUPS server implemented as a delivery option with no other printers defined, you may not see your CUPS Server as a delivery option.

To work around this issue, add a real or dummy printer destination by creating an entry in the Admin > Delivery > Printer interface.

Scheduler Issues

The following issues relate to the BI Publisher scheduler.

Scheduler Tab and Buttons Disabled Until the Scheduler is Properly Configured

Starting with version 10.1.3.2.1 if the administrator has not correctly configured the BI Publisher scheduler, the Schedules tab and the Schedule buttons will be disabled even when the user has the XMLP_SCHEDULER role. To enable the Schedules tab and the Schedule button, you must configure and install the Scheduler tables. See the topic: "Configuring the Scheduler Database" in the *Oracle Business Intelligence Publisher Installation Guide*.

Conflicting TopLink JAR Files: OC4J and Microsoft SQL 2005

To install the BI Publisher scheduler schema in Microsoft SQL 2005 server when BI Publisher is hosted on an OC4J container, you must remove the TopLink JAR files located in the folder:

<OC4J_Home>\toplink\jlib*

These jar files conflict with the JDBC driver JAR file `sqljdbc.jar` placed in the WEB-INF/lib folder of BI Publisher Enterprise Server.

Scheduler Database Type May Reset to Different Version

On the Scheduler Configuration page, after you select your database type and apply your settings, the database type may reset to a different version of your selected type in the user interface. Although the type displays differently on the Scheduler Configuration page this has no impact on the underlying implementation or the functionality of the scheduler.

This may occur in the following cases:

Microsoft SQL Server 2000 resets to Microsoft SQL Server 2005

IBM DB2 v8 resets to IBMDB2 v9

MySQL 5.0 resets to MySQL 4.1

Microsoft SQL Server 2008 Not a Choice in the Scheduler Configuration Page

In release 10.1.3.4.1, BI Publisher introduced certification for Microsoft SQL Server 2008. However, the BI Publisher Scheduler Configuration page does not include Microsoft SQL Server 2008 as an option in the list of supported Database Types.

To use Microsoft SQL Server 2008 as your scheduler database, choose Microsoft SQL Server 2005 as the Database Type, and enter the remaining information to connect to your database.

Different BI Publisher Instances Cannot Share Scheduler Schema

BI Publisher does not support sharing the same database schema with different BI Publisher instances, except in a cluster environment. In this case, you can share the same database schema with multiple cluster nodes that share the same BI Publisher repository. To enable this configuration, you must check the cluster checkbox in Scheduler configuration page. If each cluster node runs on a different server, you must synchronize the system clocks of the servers. For more information see the white paper "Oracle BI Publisher Enterprise Cluster Deployment," available on Oracle Technology Network
[http://www.oracle.com/technetwork/middleware/bi-publisher/overview/index.html].

Scheduler Configuration Defaults to Three Concurrent Threads, Update the quartz-config-properties to Increase Thread Count

The default thread count of the Quartz scheduling engine is set to three. To increase the thread count, edit the `quartz-config.properties` file. The `quartz-config.properties` is located under the BI Publisher repository as follows: `{bip_repository}/Admin/Scheduler/quartz-config.properties`

In the `quartz-config.properties` update the following properties:

Property	Description
org.quartz.threadPool.threadCount=	Default is 3.
	Increase this number to increase the number of threads that are available for concurrent execution of jobs.
	When you increase this value, ensure that you allocate enough memory and sufficient Java heap size, or the JVM may crash.
org.quartz.dataSource.myDS.maxConnections =	Default is 5.
	It is recommended that your Datasource max connection size is configured to be at least the number of worker threads in the thread pool plus three. For example, if you set the threadCount to 5, set the maxConnections to 8.
	You may need additional connections if your application is also making frequent calls to the scheduler API. If you are using JobStoreCMT, the "non managed" datasource should have a max connection size of at least four.

RTF Template Issues

Alternate Table Row Formatting Not Working in HTML, RTF, and Excel Outputs

The user guide contains the "Row Formatting" topic that describes how to set the background color on alternate rows in a tabular report. This description works for PDF output only. In HTML, RTF, and Excel output formats, the alternate rows do not show the background color. In these output formats, all the rows appear with a white background.

This issue has no workaround.

Header and Footer Margin from Edge Not Preserved in RTF Output

Microsoft Word provides a Page Setup option for specifying the margin for the headers and footers from the edge of the page. This option is available by choosing the File menu, then Page Setup, then the Margins tab, and then the From edge box. This margin setting is not retained when the output format is RTF. The output is created with the default margin settings instead. The margin settings do work correctly for other output formats such as HTML, PDF, and Excel.

This issue has no workaround.

Rounding Issue When Adding Decimal Numbers

As Oracle XDK conforms to XSL standards for IEEE 754, you might encounter rounding issues when adding numbers that are decimals. For example, suppose you add 13683.80 and 516.39, using this syntax in Oracle BI Publisher:

<?13683.80 + 516.39?>

The value returned is 14200.189999999999 which is caused by a limitation based on the IEEE 754 Binary Floating-Point-Arithmetic.

To work around this issue, use the format-number function or the round syntax as shown here to obtain a return value of 14200.19:

<?format-number:(13683.80 + 516.39);'D99'?>

or

<?(round((13683.80 + 516.39)*100) div 100)?>

Avoid the Use of Soft Returns in RTF Templates

When designing an RTF template, the formatting achieved using a soft return in Microsoft Word is not supported by BI Publisher. Soft returns in your RTF template may cause unexpected results in the output. To work around this issue, always use hard carriage returns in your template.

PDF Template Issues

PDF Form Processor Lacks Support for Repeatable Fields in Landscape Templates

When you design a PDF template with repeatable fields, the output in portrait mode is correctly formatted. However, when the same report is created in landscape mode, the table headers are correct but the following occurs:

- Repeating line information (that is, each data field in the iteration) rotates by 90 degree.

- The repeating lines spread across in a horizontal direction from right to left instead of top to bottom in a vertical direction.

This issue has no workaround.

Adobe Acrobat Reader 8.0 Not Supported with PDF Mapping Tool

BI Publisher's PDF mapping tool used to map data fields to form fields in a PDF template, currently does not support Adobe Acrobat Reader 8.0. You must use Acrobat Reader 7.0 (or Acrobat Reader 6.0 if English is the only language required for your site).

BI Publisher Desktop Tools Issues

When Working in Multiple Languages, the Operating System Regional Settings Must Match the Target Language

If you are working in multiple languages, to show and input the text on the Template Builder dialogs correctly, you must set your operating system regional settings for the target language. To set the Regional and Language Options:

1. From the Control Panel choose Regional and Language Options.

2. Click the Advanced tab.

3. Under Language for non-Unicode programs, select the appropriate language from the list.

The Template Builder does not support other languages than those available from your system regional settings.

Analyzer for Microsoft Excel Cannot Be Installed After the BI Office Add-in

If you wish to use both the BI Publisher Analyzer for Excel and the new BI Office Add-in (available with the Oracle Business Intelligence Enterprise Edition), you must install the BI Publisher Analyzer for Excel first. If you install the BI Office Add-in first, you must uninstall it before you can install the BI Publisher for Analyzer for Excel, then reinstall the BI Office Add-in.

Reports Named with Multibyte Characters May Cause Error When Downloading to the Analyzer for Excel

Microsoft applications, including Excel, have a file name length limit. The limit differs by versions and operating system combinations. For Excel to open a file, the total length of the full path and file name including extension cannot exceed the limit (usually 200 - 256 characters). If your file name exceeds this limit and you try to launch the Excel Analyzer you will receive the error:

"Unable to find file <*filename*>.xls, please check file name spelling, and make sure file location is correct."

This is most likely to occur when your file name contains multibyte characters.

To work around this issue, rename your report with a shorter name and do not use multibyte characters in the file name.

Template Builder for Microsoft Word not Compatible with Microsoft Office Live Add-in

Oracle BI Publisher´s Template Builder for Microsoft Word is not compatible with Microsoft Office Live Add-in. The presence of Microsoft Office Live Add-in may cause errors when attempting to install the Template Builder or other unexpected behavior.

To work around this issue, uninstall Microsoft Office Live Add-in.

Flash Template Issues

Flash Player 9 Not Available for FireFox on Solaris

Flash templates require Adobe Flash Player 9. Currently the Flash Player 9 is not available for FireFox on Solaris. Until Flash Player 9 is released for this platform, Flash templates cannot be viewed on Solaris. This issue has no workaround.

Data Template Issues

Reports Using Data Template Fail with Data Not Defined

Reports based that use the BI Publisher data template as the data model may fail with the following error:

Data not defined

This will occur if you define a parameter in your data template that you do not pass a value to via the user interface. For example, if you define a data template with a parameter ("P1" in the example) similar to the following:

```
<dataTemplate name="prodTemplate" dataSourceRef="demo-hr">
   <parameters>
      <parameter name="P1" dataType="character" defaultValue="Hello"/>
   </parameters>
   <dataQuery>
      <sqlStatement name="prodStmt">
        <![CDATA[
          select last_name, first_name, salary
          from employees
          where salary > 4000
          ]]>
      </sqlStatement>
   </dataQuery>
</dataTemplate>
```

But you do not define this parameter in BI Publisher's Edit report page, you will get the error.

Note that reports defined this way would not cause an error in 10.1.3.2, but will result in the error in 10.1.3.3.

To work around this issue, define the parameter in BI Publisher's Edit report page.

Validation of Data Type Added for Parameters Defined in the Data Template

This issue applies to version 10.1.3.4.1.

Prior to release 10.1.3.4.1, the data type of a parameter passed by a BI Publisher Data Template was not validated. Parameter values were passed as string objects regardless of the data types defined for the parameters in the data template. Therefore, parameters

could be passed from the data template to a function or to a report that defined the parameter data type differently, without encountering an error.

In 10.1.3.4.1 data type validation has been implemented. Now if the parameter data type passed by the data template does not match the parameter data type defined in the function or report, an error will be thrown.

Note that you may encounter errors for reports that previously ran successfully. To avoid errors, ensure that a parameter data type defined in a data template matches the data type defined in the function or report to which it is passed.

Report Building Issues

BI Publisher Query Builder "Check All" Feature Selects Only the First Twenty Columns

The BI Publisher Query Builder includes an option to "Check All" when selecting columns from a table. If the table contains more than 20 columns, only the first 20 will be selected.

To work around this issue, manually select all columns.

BI Publisher Query Builder Does Not Support Multibyte Characters in Column Alias

When building a query using the BI Publisher Query Builder you have the option of specifying an Alias for the column name. If the name you specify includes multibtye characters you will get the following error:

"Illegal character found in the alias."

This issue has no workaround.

When WSDL and Web Service End Point Use HTTPS Protocol, the Report Editor and Report Runtime Fail to Execute

When setting up a Web service as a data source and the Web service WSDL and the Web service end point use HTTPS protocol, you must perform the appropriate configuration to enable the BI Publisher server and the requested target to perform an SSL (Secure Socket Layer) handshake.

To set up the SSL handshake:

1. Navigate to the HTTPS site where the WSDL resides.

2. Download the Certificate following the prompts (the prompts will vary depending on your browser).

3. Install the Certificate into your keystore using the Java keytool, as follows:

    ```
    keytool -import -file <certfile> -alias <certalias> -keystore
    <keystore file>
    ```

4. Before starting your application server, set the JAVA_OPTS environment variable to tell the BI Publisher server where to find the keystore, as follows:

```
set JAVA_OPTS=-Djavax.net.ssl.trustStore=<keystore file>
```

5. Now when you restart your application server, BI Publisher will be able to access the HTTPS WSDL.

Documentation Issues

Template Builder for Microsoft Word Help Contains Incorrect Path to Configuration File

The online help included with the Template Builder Add-in for Microsoft Word states the following:

The Template Builder can be used with a BI Publisher configuration file. The configuration file must be named xdoconfig.xml and must be stored in the `config` directory (example path: C:\Program Files\Oracle\BI Publisher Desktop\config) under the BI Publisher directory.

The path to the `config` directory is incorrect. The path should be noted as:

C:\Program Files\Oracle\BI Publisher Desktop\Template Builder for Word\config

Template Builder for Microsoft Word Help Includes Incorrect Description of Font Size Option

The online help included with the Template Builder for Microsoft Word Add-in contains an incorrect description of setting the font size for Tree View panes and Properties panes. The description is found on the help page for the Options Dialog, under the UI tab description. The font size setting has been removed from the Options, UI tab; therefore the section titled "Font Size" on the help page is incorrect and should be ignored.

Syntax Error in "Column Formatting" Section of the "Creating an RTF Template" Chapter

In the *Oracle Business Intelligence Publisher Report Designer's Guide*, "Creating an RTF Template" chapter, under the topic "Conditional Formatting," and subtopic "Column Formatting," the example contains a syntax error.

In the table that begins on page 7-66 of the PDF version of the book, the second "IF" statement entry (that precedes the entry "20") incorrectly shows the Form Field Entry as

```
<?if@column:/items/@type="PRIVATE"?>
```

The correct entry is:

```
<?if@cell:/items/@type="PRIVATE"?>
```

Default Text	Form Field Entry	Description
IF	`<?if@cell :/items/@type="PRIVATE"?>`	The opening of the if statement to test for the attribute value "PRIVATE" in the column data.
20	`<?quantity?>`	The placeholder for the quantity element.

BI Publisher Certification Guide Updated for 10.1.3.4

The BI Publisher Certification Guide has been updated. IBM Websphere 6.0 is no longer supported as an application server. If you are upgrading from a previous version of BI Publisher, you must upgrade Websphere to version 6.1.

The initial release of the BI Publisher certification guide incorrectly stated that the BI Publisher Template Builder Add-in for Microsoft Word was certified with Java Runtime Environment (JRE) version 1.4. This has been corrected to Java version 1.5.

For all current certification information for this release, please refer to the *Oracle Business Intelligence Publisher Certification Information* available from the Oracle Business Intelligence Publisher documentation library:

http://www.oracle.com/technology/documentation/bi_pub.html

BI Publisher Installation Guide Incorrectly States Support for Java 1.4.2

Starting with release 10.1.3.4, BI Publisher no longer supports Java 1.4. The BI Publisher server and BI Publisher desktop components both require Java 5.0 (1.5) or later.

The *Oracle Business Intelligence Publisher Installation Guide* (E12690-01) incorrectly states that Java Runtime 1.4 is supported in the following places:

Page 1-3: BI Publisher is supported to run against any database that supports JDBC based on Java 1.4.2 or Java 5.0 (1.5). This should state Java 5.0 (1.5) only.

Page 1-5: The Template Builder for Microsoft Word Add-in requires Java Runtime or JDK 1.4 or later. This should state Java Runtime 1.5 or later.

Parameter Values for Bursting to a Printer Incorrectly Documented

In the *Oracle Business Intelligence Publisher Report Designer's Guide* (for release 10.1.3.4) and the *Oracle Business Intelligence Publisher User's Guide* (for releases prior to 10.1.3.4), the Parameter Mapping table under the topic "Enabling Bursting" incorrectly lists the parameters for the Printer channel.

The correct parameter values are shown in the following table alongside the incorrect

listings currently shown in the documentation.

Parameter	Incorrect Value in Document	Corrected Value
Parameter 1	Printer Group	Printer Name
Parameter 2	Printer	Number of copies
Parameter 3	Number of Copies	Sides
Parameter 4	Sides	Tray
Parameter 5	Tray	not used

Syntax Error in the CD Ratings Example

The following documentation error applies to the *Oracle Business Intelligence Publisher Report Designer's Guide* (for release 10.1.3.4) and the *Oracle Business Intelligence Publisher User's Guide* (for releases prior to 10.1.3.4).

In the chapter, "Creating an RTF Template," the CD Ratings Example under the topic "Drawing, Shape, and Clip Art Support" shows incorrect syntax for repeating the star shape. The incorrect syntax and corrected syntax are shown in the following tables:

Incorrect Syntax Shown in Documentation

Field	Form Field Entry
(star shape)	`<?for-each@shape:xdoxslt:foreach_number($_XDOCTX,0,USER_RATING,1)?>`

The corrected syntax is shown in the following table. Note that the `0` shown after `$_XDOCTX` should be `1`.

Corrected Syntax for CD Ratings Example

Field	Form Field Entry
(star shape)	`<?for-each@shape:xdoxslt:foreach_number($_XDOCTX,1,USER_RATING,1)?>`

Internal Name of BI Publisher Template Designer Role Should be XMLP_TEMPLATE_BUILDER

In the *Oracle Business Intelligence Publisher Administrator's and Developer's Guide* (for release 10.1.3.4) and the *Oracle Business Intelligence Publisher User's Guide* (for releases prior to 10.1.3.4), the chapter "Defining a Security Model" incorrectly lists the internal name for the "BI Publisher Template Designer" role as "XMLP_TEMPLATE_DESIGNER". The correct internal name is "XMLP_TEMPLATE_BUILDER".

This BI Publisher role is incorrectly listed in the following sections:

- Integrating with LDAP

- Integrating with Oracle E-Business Suite Security

- Integrating with Oracle BI Server Security

- Integrating with Oracle Database Security

The BI Publisher Template Designer role is described as follows: "allows users to connect to the BI Publisher server from the Template Builder and to upload and download templates."

If you have already set up (or plan to set up) one of the security models listed and you require the BI Publisher Template Designer role for your users, then you must set up the role "XMLP_TEMPLATE_BUILDER" in your security model and assign this role to your users.

List of JAR Files Required for Working with BI Publisher APIs Is Incorrect

The *Oracle Business Intelligence Publisher Administrator's and Developer's Guide* (page 11-3) incorrectly lists the required JAR files for working with the BI Publisher Java APIs. The correct list is as follows:

- bicmn.jar - a charting library

- bipres.jar - a charting library

- collections.jar - required only if you are working with the delivery APIs or bursting engine

- i18nAPI_v3.jar - the i18n library used for localization functions

- jewt4.jar - a charting support library

- orai18n.jar - contains character set and globalization support files

- share.jar - a charting support library

- versioninfo.jar

> **Note:** If you are using the E-Business Suite version of BI Publisher, use aolj.jar instead.

- xdochartstyles.jar - contains additional chart styles not included in BI Beans

- xdocore.jar - the core BI Publisher library

- xdoparser.jar - the scalable XML parser and XSLT 2.0 engine

- xmlparserv2.jar - the main XML parser/XSLT engine

Division Function for RTF Template Incorrectly Documented

In the *Oracle Business Intelligence Publisher Report Designer's Guide*, chapter "Extended Function Support in RTF Templates," under the topic "Extended SQL and XSL Functions," the syntax for the division function is incorrectly given as:

```
<?xdofx:2/3?>
```

the correct syntax is:

```
<?xdofx:2 div 3?>
```

Procedure for Scheduling a Report Incorrectly States the "Run Monthly" Option Supports Multiple Days of the Month

In the *Oracle Business Intelligence Publisher Report Designer's Guide* topic "Scheduling a Report," the description for the Run Monthly option states that you can select multiple days of the month to run a report, as follows: "To select multiple days of the month to run the report, enter each day separated by a comma (example: 1,15,28)."

This description is incorrect. The field for entering the day of the month does not support multiple days. You can only enter one day of the month with this option.

Syntax for Rendering an Image Retrieved from BLOB Data Incorrect

In the *Oracle Business Intelligence Publisher Report Designer's Guide* chapter "Creating an RTF Template," under the topic "Inserting Images and Charts," the syntax for rendering BLOB data as an image is incorrect.

The chapter states: If your data source is a Data Template and your results XML contains image data that had been stored as a BLOB in the database, use the following syntax in a form field inserted in your template where you want the image to render at runtime:

```
<fo:instream-foreign-object content type="image/jpg">
<xsl:value-of select="IMAGE_ELEMENT"/>
</fo:instream-foreign-object>
```

The "content type" attribute as shown is incorrect. "content-type' should be hyphenated as follows:

```
<fo:instream-foreign-object content-type="image/jpg">
```

End on Even or End on Odd Page Feature Only Supported for PDF Output

The RTF template feature that enables you to specify the ending page of your report (odd or even) is only supported for PDF output. This limitation is not noted in the *Oracle Business Intelligence Publisher Report Designer's Guide* chapter "Creating an RTF Template."

Resolved Issues

This section describes issues that have been resolved since the initial release of Oracle BI Publisher version 10.1.3.3.

Resolved: Charts May Not Appear in Excel Output

When viewing a report layout that has a chart in Excel output, you may not see the chart and only see a small icon in the place where you expect to see the chart.

To work around this problem, you must unblock security on image URLs as follows:

1. Open WEB-INF/web.xml.

2. Find the following block:

```
<filter-mapping>
<filter-name>SecurityFilter</filter-name>
<url-pattern>/xdo/tmp/*</url-pattern>
</filter-mapping>
```

3. Change the `<url-pattern>` element as shown:

```
<filter-mapping>
<filter-name>SecurityFilter</filter-name>
<url-pattern>/xdo/tmp/*.tmp</url-pattern>
</filter-mapping>
```

Note that by relaxing this security policy as described above, any HTTP session can access and view these images without authentication. Although random numbers are used for image file names, it poses some risk to allow someone to write a program to explore dynamic images (charts and graph) used by BI Publisher HTML reports.

Resolved: Processing Indicator Not Displaying

On certain platforms, when generating a report in PDF format from the View Report page, the "processing" or "busy" indicator may not appear to indicate that BI Publisher is processing the request, leaving the user unsure if the submit action was successful.

Resolved: Concatenated Data Sources Do Not Load Properly to the Template Builder

If your data source is concatenated XML from multiple SQL queries, the XML data will not load properly to the Template Builder from the direct connection to the BI Publisher server.

To work around this issue, after building your data model, generate sample data and save it to an accessible directory. Use the Template Builder's load data function (Oracle BI Publisher > Data > Load Sample XML Data) to load the report data to the Template Builder. For more information on using the Template Builder in disconnected mode, see the *Oracle Business Intelligence Publisher User's Guide*.

Resolved: Accessibility Standards

Three areas of the BI Publisher View report page have been enhanced to meet accessibility standards. These are the following:

- An alternate text tag has been added to the Oracle logo in the banner.

- Proper label tags for assistive technology have been added to the Parameter, Template and Output format lists.

- A "Skip Navigation" tag has been added to the navigation links.

Resolved: CURRENT_SERVER_URL System Parameter Does Not Return Value

In 10.1.3.3.0 the system parameter CURRENT_SERVER_URL available to be included in RTF layout templates does not return a value. This is fixed in 10.1.3.3.1.

Resolved: When Guest Folder Name Is Changed Users Are Prompted to Log In

If the administrator changes the name of the BI Publisher "Guest" folder and restarts the server for this change to take effect, users will be prompted to enter credentials the next time they try to access this folder. To work around this issue, do not change the name of the Guest folder.

Resolved: Privileges Not Inherited Properly Through LDAP Group Hierarchies

If you are using an LDAP security model, the privileges of member groups may not be properly inherited from the parent groups. For example, suppose you have an Oracle Internet Directory (OID) group named XMLP_Development and this group is a member of another group called XMLP_Admin. Users who are members of the group XMLP_Development may not inherit the privileges assigned to XMLP_Admin as expected.

Resolved: Users with Developer Role Unable to Edit Reports

In 10.1.3.3.0 users with the "BI Publisher Developer" role and not "BI Publisher Administrator" role get a 500 Server Internal Error when they attempt to Edit a report. The workaround was to grant "BI Publisher Administrator" role to all users who needed to edit reports.

Resolved: Template Builder Fails To Load XML Data File - Compile error in hidden module: Module_starter

If you are using the Template Builder for Word on Microsoft Windows XP and have applied the Microsoft Security Update for Windows XP KB936021, you may receive the following error when trying to load XML data:

"Compile error in hidden module Module-starter"

To work around this issue, perform the following:

1. Close Microsoft Word.

2. From the Windows Start Menu: Select Programs, then Oracle BI Publisher Desktop, then Template Builder for Word Language.

3. Select your language and click OK.

Resolved: Extended ASCII Characters Not Generated Correctly in XML Data

This issue is fixed in version 10.1.3.3.1.

When using BI Publisher's data template to generate XML data, extended ASCII characters, such as é or ë are not created correctly in the XML data when the property scalable_mode is set to "on". This property is set in the <properties> section of the data template as follows: `<property name="scalable_mode" value="on"/>`

Resolved: Bursting to Printer Fails

If you are using BI Publisher's bursting feature and your bursting job includes PDF reports to be sent to a printer, the print reports may fail with the following error:

Client: (40A) Document Format Not Supported

This is caused by the setting of the document content type to application/pdf by the bursting engine, which is not recognized by all printers. To correct this issue, in 10.1.3.3.1 the bursting engine sets the content type to application/octet-stream for print jobs.

Resolved: Function <?xdofx:chr(n)?> Fails

If you use the <?xdofx:chr(n)?> function in an RTF template you may encounter the following error when trying to run or preview the report:

oracle.xdo.parser.v2.XPathException: Extension function error: Method not found 'chr'

Resolved: Selecting "Default Data Source" When Creating an LOV May Cause Error

When creating a query for a list of values (LOV), you can choose the "Default Data Source" or select a specific data source. If you select the "Default Data Source," when you run the report it may either fail to run and return the following error:

Parameter name: <parameter> Can not establish database connection (null)

or just display the "Processing...." indicator, and never return any data.

To work around this problem, select a specific data source when creating a query for an LOV.

This issue is resolved in version 10.1.3.4.

Resolved: Template Builder Add-in for Microsoft Word Does Not Allow Insertion of a Repeating Group Around an Existing Chart

This issue is fixed in 10.1.3.4.2.

When using the Template Builder, if you attempt to insert a group or a repeating group around a chart, no dialog box will appear to allow you to specify the properties of the repeating group.

To work around this issue, follow these steps:

1. Place your cursor before the chart in your template.

2. From the Oracle BI Publisher menu select **Insert**, then **Field**.

3. Select any element from your data displayed in the **Field** dialog and insert it before the chart.

4. After the field has been inserted, select the field and the chart.

5. From the Oracle BI Publisher menu select **Insert**, then **Repeating Group**.

6. Specify the properties for the repeating group in the **BI Publisher Properties** dialog and insert the repeating group.

7. After the repeating group has been inserted, delete the temporary field you created before the chart.

About New Features

- New Features in Releases 10.1.3.3 through 10.1.3.3.3, page 1-36

- New Features in Release 10.1.3.4, page 1-36

- New Features in Release 10.1.3.4.1, page 1-37

- New Features in Release 10.1.3.4.2, page 1-38

New Features in Releases 10.1.3.3 through 10.1.3.3.3

New features added to BI Publisher for the 10.1.3.3, 10.1.3.3.1, 10.1.3.3.2, and 10.1.3.3.3 releases are documented in the *Oracle Business Intelligence New Features Guide*. This guide contains detailed descriptions of the new features added after the 10.1.3.2 release of Oracle BI Publisher. This guide is available from the Oracle Business Intelligence Publisher Enterprise Documentation Library [http://download.oracle.com/docs/cd/E10383_01/doc/nav/portal_1.htm].

New Features in Release 10.1.3.4

For release 10.1.3.4, the *Oracle Business Intelligence Publisher Report Designer's Guide* and the *Oracle Business Intelligence Publisher Administrator's and Developer's Guide*) were updated to include these new features:

- Template Builder Enhancements

- Flash Templates

- PowerPoint Output

- Integration with Oracle BI Discoverer

- Performance Improvements

- Converting Reports from Oracle Reports to BI Publisher

- Support for Digital Signatures in PDF Documents

- Support for PostScript Printers

- Time Out Value for Web Service Data Sources

- Bidirectional Function for eText Data Fields

- Default Repository

- Oracle BI Publisher Web Services

- Support for Document Cache

- Support for New Output Types

- DataDirect Connect for JDBC Drivers Bundled with BI Publisher Libraries

- "Link to this Report" Can Now Be Set as a Report Option

- Enhanced Support for Pagination Control in RTF Output

- Support for Multiple Cascading Parameters

- Support for Vertical Alignment of External Graphics

- Support for Multiple Currency Symbol Displays in Report

- Integration with Oracle Enterprise Performance Management Workspace

- Integration with Oracle Smart Space

- Support for Multidimensional Data Sources

- Enhancements to the BI Publisher Web Service

- Support for "After Report" Triggers

- Support for Complex Web Services as a Data Source

- New Report Property "Disable Client Access from Analyzer for Excel"

- Enhancements to the Template Builder for Microsoft Word Add-in, including page break support, support for additional chart types, and enhanced cross tab features

These guides are available from the Oracle BI Publisher Enterprise Documentation Library [http://download.oracle.com/docs/cd/E12844_01/welcome.html].

New Features in Release 10.1.3.4.1

New features added for release 10.1.3.4.1 are documented in the *Oracle Business Intelligence Publisher New Features Guide* Release 10.1.3.4.1. These features include:

- Support for Oracle WebLogic Server 10.3

- Extended Support for Single Sign-On Providers

- Automatic Refresh of LDAP Cache

- Support for Siebel CRM Security

- Support for Secure File Transfer Protocol (SFTP) for Burst Reports

- Data Model Enhancements

- Scheduler Support for JNDI Connection Pools

- Support for Expressions to Calculate Date Parameters

- RTF Template Enhancements

- Remove Logos and Links from the BI Publisher Header

- Restrict Access to Guest Page

- Updates to the BI Publisher Web Service

This guide are available from the Oracle BI Publisher Enterprise Documentation Library [http://download.oracle.com/docs/cd/E12844_01/welcome.html].

New Features in Release 10.1.3.4.2

New features added for release 10.1.3.4.2 are documented in the *Oracle Business Intelligence Publisher New Features Guide* Release 10.1.3.4.2. These features include:

- Display Scheduler Job Times in the User's Preferred Time Zone

- Attachment Name Field for E-mail Deliveries

- Control Initial Display of PDF Navigation Panel

- Support for Hyperlinking Across Templates

- Support for Safe Divide Function

- Support for "Comb of Characters" Option for Form Fields in PDF Templates

- Support for JDBC Triggers

- Integrating with Microsoft Active Directory

- Using LDAP Attribute Values as Bind Variables in Data Queries

- Support for WebSphere 7.x

- Support for Excel Templates

This guide is included in the documentation library delivered with Oracle BI Publisher.

Two additional new features are not documented in the new features guide. These features are:

- Job Status by Web Service APIs, page 1-39

- New Attributes to Improve Performance for Oracle BI Server Security Model, page 1-40

Job Status by Web Service APIs

Use the following Web service APIs to check scheduled job information.

JobInfo.getStatus() API

```
JobInfo[] getScheduledReportInfo(String scheduledJobID, String username,
String password)
```

JobInfo.getStatus() returns the same job status reported in the Report Schedules page of the BI Publisher UI. There are three possible statuses:

- "Scheduled" - the job has not executed

- "Done" - the job does not execute any reports. These jobs are deleted from the Report Schedules table in the BI Publisher UI.

- "Suspended" - the job is suspended from report executions.

JobStatus.getJobStatus() API

```
JobStatus getScheduledReportStatus(String scheduledJobID, String
username, String password)
```

JobStatus.getJobStatus() returns the status of the last report job. There are four possible statuses:

- "Running" - the last report job is still running and has not yet completed.

- "Completed" - the last report job has completed.

- "Error" - the last report job finished with an error.

- "Unknown" - the job has not executed any report jobs yet.

JobHistoryInfo.getStatus() API

```
JobHistoryInfo[] getScheduledReportHistoryInfo(String
scheduledJobID,String username, String password, String viewByFilter,
boolean DownloadReport)
```

JobHistoryInfo.getStatus() returns the status of any report job instance that has been executed by the job. JobStatus.getJobStatus() API (listed above) only returns the status

of the last report job. The possible statues are:

- "Running" - the last report execution job is still running and has not yet completed.

- "Completed" - the last report execution job has completed.

- "Error" - the last report job finished with an error.

New Attributes to Improve Performance for Oracle BI Server Security Model

Use the following new settings to improve performance and scalability of user authentications during user logins and Web service authentication against the BI Server.

- Enable User Role Cache - default is not enabled

- User Role Cache Refresh Interval - default value is 1

- User Role Cache Refresh Interval Unit - default value is Hour

When User Role Cache is enabled, user roles are saved into memory after the first login after refresh. Roles saved in memory are then used from the second login onwards by the same user. This reduces the load off of BI Server to fetch all user roles, especially when it is configured to use an external security such as LDAP or database.

The new settings are available when you select Oracle BI Server security model from the Admin Security Configuration page.