

Oracle® Business Intelligence Publisher

Installation Guide

Release 10.1.3.4

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Oracle Business Intelligence Publisher Installation Guide, Release 10.1.3.4

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Preface

Intended Audience

Welcome to Release 10.1.3.4 of the *Oracle Business Intelligence Publisher Installation Guide*.

This document is intended for administrators or implementers who wish to install Oracle Business Intelligence Publisher (BI Publisher). This version of the *Oracle Business Intelligence Publisher Installation Guide* applies to BI Publisher version 10.1.3.4.

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

TTY Relay Access to Oracle Support Services

To reach AT&T Customer Assistants, dial 711 or 1.800.855.2880. An AT&T Customer Assistant will relay information between the customer and Oracle Support Services at 1.800.223.1711. Complete instructions for using the AT&T relay services are available at <http://www.consumer.att.com/relay/tty/standard2.html>. After the AT&T Customer Assistant contacts Oracle Support Services, an Oracle Support Services engineer will handle technical issues and provide customer support according to the Oracle service request process.

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- 1 Introduction
- 2 Installing BI Publisher into Oracle Application Server or OC4J 10.1.3.1
- 3 Manually Installing BI Publisher to a J2EE Application Server
- 4 Postinstallation Tasks
 - A Upgrading BI Publisher
 - B Silent and Non-Interactive Installation
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Related Information Sources

Oracle Business Intelligence Publisher Report Designer's Guide

This guide contains information for the user on running and scheduling reports and information for the report designer for creating reports and layouts.

Oracle Business Intelligence Publisher Administrator's and Developer's Guide

This guide contains information for the administrator on setting up security, data sources, integration and other BI Publisher options. This guide also contains API descriptions for developers.

Oracle Business Intelligence Publisher Certification Information

This document specifies the certified hardware and software configurations for Oracle Business Intelligence Publisher. This document is updated periodically if new configurations are certified and can be obtained from the appropriate documentation library for this release on the Oracle Technology Network [http://www.oracle.com/technology/documentation/bi_pub.html].

Oracle Business Intelligence New Features Guide

This book describes the new features in the 10.1.3.3, 10.1.3.3.1, and 10.1.3.3.2, 10.1.3.3.3 and 10.1.3.4 versions of Oracle Business Intelligence Publisher and other products in the Oracle Business Intelligence Enterprise Edition suite.

Oracle Containers for J2EE Deployment Guide

This covers information and procedures for deploying an application to an OC4J environment. This includes discussion of the deployment plan editor that comes with Oracle Enterprise Manager 10g.

Third-Party Licensing Information

The application uses **Apache Axis** and the **OpenSymphony Quartz Scheduler** open-source software packages. The Apache license agreement for Axis is included on the install media under \doc\ApacheLicense.txt and can also be obtained from <http://www.apache.org/licenses/LICENSE-2.0>. This license also covers the use of OpenSymphony Quartz Scheduler.

Introduction

Introduction to Installing Oracle Business Intelligence Publisher

Oracle Business Intelligence Publisher offers you the most efficient, scalable reporting solution available for complex, distributed environments. It provides a central architecture for generating and delivering information to employees, customers, and suppliers—both securely and in the right format. Oracle BI Publisher reduces the high costs associated with the development, customization and maintenance of business documents, while increasing the efficiency of reports management.

For the most current information please check:

Oracle Business Intelligence Publisher Web Page:

<http://www.oracle.com/technology/products/xml-publisher/index.html>

Oracle Business Intelligence Publisher Forum:

<http://forums.oracle.com/forums/forum.jspa?forumID=245>

About the BI Publisher Installer and Installation Options

The Oracle Universal Installer provided can be used to install BI Publisher with its own standalone Oracle Containers for Java (OC4J) instance or to install BI Publisher into an existing Oracle Application Server 10.1.3.1.0 (or later) Web container. However, you can also deploy BI Publisher on other J2EE application servers, such as Tomcat or Websphere.

BI Publisher has three installation options:

- Basic - the Oracle Universal Installer Basic option provides a standalone application server (Oracle Containers for Java 10.1.3.1) and Sun JDK (SUN 1.5.0-b5) with BI Publisher.
- Advanced - the Oracle Universal Installer Advanced option installs BI Publisher

into an existing Oracle Application Server 10.1.3.1 (or later).

- Manual - you can install BI Publisher manually into one of the supported J2EE servers.

For more information on using the Oracle Universal Installer options, see *Installing BI Publisher into Oracle Application Server OC4J 10.1.3.1*, page 2-1.

For more information on deploying BI Publisher manually into a supported J2EE application server, please refer to *Installing Manually into a J2EE Application Server*, page 3-1.

Environment Requirements

The Oracle BI Publisher installer supports numerous operating system, including, but not limited to:

- Oracle Enterprise Linux 5
- Oracle Enterprise Linux 4, Update 4
- Microsoft Windows 2000 Server
- Microsoft Windows 2003 Server R2 (32 bit)
- Red Hat Enterprise Linux 4.x, 5.x
- Novell SUSE Linux 9.x
- Mac OS X

For the full list of installer platforms, see the *Oracle Business Intelligence Publisher Certification Information 10g Release 3 (10.1.3.4)* available from the documentation library for this release on the Oracle Technology Network [http://www.oracle.com/technology/documentation/bi_pub.html].

To install BI Publisher on an operating system not supported by the installer, use the manual install option.

Supported Application Servers

The BI Publisher server is supported in any J2EE application server that supports Java 5.0 (JDK 1.5). The following lists the application servers for which BI Publisher has been certified.

- Oracle Application Server 10.1.3.1
- Oracle Containers for Java 10.1.3.1

- BEA WebLogic 8.1, 9.2, 10
- Apache Tomcat 5.5.x
- IBM Websphere 6.1
- Sun Java System Web Server 6.1, 7.0
- JBoss Application Server 4.0

Note: The Basic installation provides a standalone Oracle Containers for Java (OC4J) 10.1.3.1.

Supported Databases

Note: The database is optional for setting up BI Publisher, but required if you intend to use BI Publisher's scheduler.

Supported Databases for the BI Publisher Scheduler Schema Repository

- Oracle 10g (10.1 and 10.2)
- Oracle 9i (9.2.0.4)
- IBM DB2 for UDB EE 8.2
- IBM DB2 v9
- Microsoft SQL Server 2000, 2005
- MySQL 4.1, 5.0
- Sybase ASE 12.5

BI Publisher is supported to run against any database that supports JDBC based on Java 1.4.2 or Java 5.0 (1.5). BI Publisher has certified against the following databases as a source of data:

Databases Supported as Data Sources

- Oracle Enterprise Server 9i , 10g, 11g
- Microsoft SQL Server 2000, 2005
- IBM DB2 for UDB EE 8.2
- IBM DB2 v9

- Informix IDS 9.4, 10.0
- MySQL 4.1, 5.0
- NCR Teradata V2R6.21
- Netezza 4.0
- RPAS 13.0.1 int1
- Sybase Adaptive Server 15
- Sybase IQ 12
- TimesTen 7

Web Browser Requirements

The BI Publisher application requires one of the following Web browsers:

- Microsoft Internet Explorer 6.0, 7.0
- Mozilla Firefox 1.5.x, 2.0

About Oracle BI Publisher Desktop Tools

Oracle Business Intelligence Publisher provides Microsoft Office-based design tools that automate the design process for creating templates for Oracle BI Publisher.

The BI Publisher desktop tools include the following:

- The Oracle BI Publisher Template Builder for Microsoft Word Add-in facilitates the development of RTF layout templates. The application includes documentation, demos, and samples. The Template Builder enables you to:
 - Connect to the Oracle BI Publisher server to retrieve data to build your template.
 - Quickly insert common report elements such as data fields, tables, charts, and cross tabulations.
 - Upload your template to the Oracle BI Publisher server.
 - Extract boilerplate text into an XLIFF translation file and test the translations.
 - Validate your template.
- The Template Viewer enables you to preview your template in any of the supported output types with your sample data.

- The Oracle BI Publisher Analyzer for Microsoft Excel (Excel Analyzer) is an add-in for Microsoft Excel that enables you to:
 - Export the results of the report query to an Excel spreadsheet.
 - Log in to BI Publisher from Excel to refresh your data, apply new parameters, and apply a template to the report data.
 - Create templates in Excel and upload them to the BI Publisher repository.
 - Access and run reports from an Excel session.

The system requirements for the Oracle BI Publisher Desktop tools are:

System Requirements for BI Publisher Desktop Tools

Component	Supported Versions
Client Operating System	<ul style="list-style-type: none"> • Windows 2000 • Windows 2003 SP1 (32-bit only) • Windows XP SP2 and later • Windows Vista
Template Builder for Word Add-in	<ul style="list-style-type: none"> • Microsoft Word 2000, 2002, 2003, 2007 <p>Requires:</p> <ul style="list-style-type: none"> • Microsoft .NET Framework 2.0 • Java Runtime or JDK 1.4 or later
Excel Analyzer	<ul style="list-style-type: none"> • Microsoft Excel 2000, 2002, 2003, 2007 <p>Requires:</p> <ul style="list-style-type: none"> • Microsoft .NET Framework 2.0

See the topic [Installing Oracle BI Publisher Desktop Tools](#), page 4-8.

About Postinstallation Tasks

After installing the BI Publisher server, perform the following to complete your

installation. These tasks are described in detail in Postinstallation Tasks, page 4-1.

- Configure the Scheduler database (required for the scheduler)

The scheduler is optional. If you choose to implement BI Publisher's scheduler, you must install the schema to the target database.

- Configure the Demo Data sources (optional)

The BI Publisher installation includes demonstration reports. Some reports use a File data source that is automatically configured by the installer. Some reports use a JDBC data source and Oracle database sample schema that you must configure in the BI Publisher Admin screens.

- Install the Oracle BI Publisher Template Builder for Microsoft Word Add-in (optional)

Install this template building tool on the client computers of users who will be developing RTF templates.

Installing BI Publisher into Oracle Application Server or OC4J 10.1.3.1

Introduction

This chapter discusses the installation of BI Publisher using the Oracle Universal Installer.

Performing a Basic Install

Basic Installation

The following steps guide you through the installer.

Run the Oracle Universal Installer:

1. Access the installation files.

- **For Windows install:**

From the Oracle BI Publisher product media, navigate to the `install` directory.

Run the program `setup.exe`.

- **For Linux or Unix install:**

From the Oracle BI Publisher product media, navigate to the `install` directory:

```
cd install
```

Execute the `runInstaller` script.

```
./runInstaller
```

The installation program window appears and prompts you through each screen. Provide the requested input for each screen.

To continue to the next screen, click Next. To return to a previous screen, click Back.

2. Specify file locations.

Accept the default drive and directories, or click Browse to change them. Do not change the Source Path. You may accept the default Destination Name and Path or change them as you wish.

3. Select installation type.

The installation type screen allows you to choose between Basic and Advanced installs. The Basic type installs BI Publisher into a standalone OC4J bundled within the install. The Advanced type installs BI Publisher into an existing Oracle Application Server 10.1.3.1 (or later).

Select Basic.

4. Choose your OC4J Administrator (oc4jadmin) password.

The Basic install provides a standalone OC4J. Enter the password you wish to use for this OC4J.

The Administrator password must be a minimum of 5 characters, maximum of 30 characters, and include at least one digit.

5. Review the summary information, which lists the components to be installed and shows the installation location and size.

6. Click **Install** to begin the installation and display the Install screen.

The Install Screen

The Install screen displays the current task and the installation progress bar. The installation process consists of three general phases:

Copy Files

Setup

Configuration

Click **Stop Installation** if you want to terminate the install process.

The Configuration Assistants Screen

This screen shows the name, status, and tool type for tools recommended to be run before completing the installation.

This installer includes one tool: the BI Publisher Configuration Assistant.

The tool may have one of the following states, as shown in the status column:

- **Succeeded:** The tool ran successfully.
- **Failed:** The tool ran, but failed.

- **Pending:** The tool is waiting to run.
- **Cancelled:** The tool was cancelled by the user (by clicking Stop).
- **In Progress:** The tool is currently running.

When the configuration assistant completes, OUI automatically proceeds to the next page.

If the configuration assistant does not complete, the installation screen displays the error message, and the configuration assistant writes its result code to the following log file: `C:\Program Files\Oracle\Inventory\logs\installActionstimestamp.log`

For all failed or skipped tools, OUI generates a list of the tool names and the commands used to run them; you can copy/paste this information directly into a shell script or batch file to run these tools after installation is complete. The generated script file is named `configtoolcmds.pl` and is located in the `ORACLE_HOME\bin` directory. The script is generated after you exit the installer.

The End of Installation Screen

The End of Installation screen informs you that installation was successful and provides instructions on starting and stopping BI Publisher, the BI Publisher login URL and additional details about your installation. These details will also be saved in `BI_Publisher_readme.txt` in the Destination path you specified in the second screen of the installation procedure.

Log in to the BI Publisher Server:

At the end of the installation the BI Publisher server will be running.

Note: If you attempt to start BI Publisher when it is running, the `start` command will return errors.

1. Launch the BI Publisher application using one of the following methods:

- On Windows:

From the Start menu, navigate to:

Start > Programs > Oracle - *OracleHomeName* > BI Publisher Server

OracleHomeName refers to the name you gave the Oracle Home where you installed Oracle BI Publisher.

- Open your browser to `http://hostname:port/xmlpserver`

For example:

`http://localhost:9704/xmlpserver`

2. Log in with user name "Administrator" and password "Administrator".

Important: Please change the Administrator password on the **Account** tab under **Preferences**.

Continue with Postinstallation Tasks, page 4-1.

Performing an Advanced Install

Advanced Installation

The following steps guide you through the installer for an Advanced installation.

Important: The BI Publisher installer requires that the OC4J home into which you install BI Publisher be named "home". If there is no instance of an OC4J home named "home", the installation will fail.

If you wish to install into an instance not named "home" please follow the manual install instructions. See *Installing Manually into a J2EE Application Server*, page 3-1.

Run the Oracle Universal Installer:

1. Access the installation files.

- **For Windows install:**

From the Oracle BI Publisher product media, navigate to the install directory.

Run the program setup.exe.

- **For Linux or Unix install:**

From the Oracle BI Publisher product media, navigate to the install directory:

```
cd install
```

Execute the runInstaller script.

```
./runInstaller
```

The installation program window appears and prompts you through each screen. Provide the requested input for each screen.

To continue to the next screen, click Next. To return to a previous screen, click Back.

2. Specify file locations.

Accept the default drive and directories, or click Browse to change them. Do not change the Source Path. You may accept the default Destination Name and Path or

change them as you wish.

3. Select installation type.

The installation type screen allows you to choose between Basic and Advanced installs. The Basic type installs BI Publisher into a standalone OC4J bundled within the install. The Advanced type installs BI Publisher into an existing Oracle Application Server 10.1.3.1 or later.

Select Advanced.

4. Choose your Application Server 10g home location. Click "Installed Products" to see the list of Oracle Homes and display the location (path).

5. Enter the oc4j Administrator password for the Application Server into which you are installing BI Publisher.

6. Review the summary information, which lists the components to be installed and shows the installation location and size.

7. Click **Install** to begin the installation and display the Install screen.

The Install Screen

The Install screen displays the current task and the installation progress bar. The installation process consists of three general phases:

Copy Files

Setup

Configuration

Click **Stop Installation** if you want to terminate the install process.

The Configuration Assistants Screen

This screen shows the name, status, and tool type for tools recommended to be run before completing the installation.

This installer includes one tool: the BI Publisher Configuration Assistant.

The tool may have one of the following states, as shown in the status column:

- **Succeeded:** The tool ran successfully.
- **Failed:** The tool ran, but failed.
- **Pending:** The tool is waiting to run.
- **Cancelled:** The tool was cancelled by the user (by clicking Stop).
- **In Progress:** The tool is currently running.

When the configuration assistant completes, OUI automatically proceeds to the next page.

If the configuration assistant does not complete, the installation screen displays the error message, and the configuration assistant writes its result code to the following log file: `C:\Program`

`Files\Oracle\Inventory\logs\installActionstimestamp.log`

For all failed or skipped tools, OUI generates a list of the tool names and the commands used to run them; you can copy/paste this information directly into a shell script or batch file to run these tools after installation is complete. The generated script file is named `configtoolcmds.pl` and is located in the `ORACLE_HOME\bin` directory. The script is generated after you exit the installer.

The End of Installation Screen

The End of Installation screen informs you that installation was successful and provides instructions on starting and stopping BI Publisher, the BI Publisher login URL and additional details about your installation. These details will also be saved in `BI_Publisher_readme.txt` in the Destination path you specified in the second screen of the installation procedure.

At the end of the installation, the OUI will start the BI Publisher server.

Log in to BI Publisher:

At the end of the installation the BI Publisher server will be running.

1. Launch the BI Publisher Application:

- On Windows:

From the Start menu, navigate to:

Start > Programs > Oracle - *OracleHomeName* > BI Publisher Server

OracleHomeName refers to the name you gave the Oracle Home where you installed Oracle BI Publisher.

- Open your browser to `http://hostname:port/xmlpserver`

Note that the port is the http port of your application server.

For example:

`http://localhost:8888/xmlpserver`

2. Log in with user Administrator and password Administrator.

Important: Please change the Administrator password on the **Account** tab under **Preferences**.

Continue with Postinstallation Tasks, page 4-1.

Manually Installing BI Publisher to a J2EE Application Server

Introduction

The BI Publisher install media contains:

- BI Publisher server application
- BI Publisher runtime libraries
- BI Publisher fonts
- BI Publisher desktop tools
- Documentation: User's Guide, Javadocs, demos, and samples

Individual components are located as follows:

Directory	Component
manual\fonts	Font files
manual\generic	xmlpserver.war (for non-oc4j application servers) xmlpserver.ear (for non-oc4j application servers)
manual\oc4j	xmlpserver.ear (for oc4j)
manual\XMLP	XMLP repository
manual\XMLP\DemoFiles	Data source for demo reports.

Directory	Component
manual\XMLP\Tools	Template Builder for Word Add-in

Installation Process Overview

The server application allows you to create, manage and schedule reports. You must perform the following steps as described in this document to deploy Oracle BI Publisher manually:

1. Deploy BI Publisher on the application server.
2. Configure the BI Publisher repository and install fonts.
3. Perform postinstallation tasks:

Create the BI Publisher scheduler schema on the database server (required to send and schedule reports).

Set up the BI Publisher Demo Reports

Installing into a J2EE Application Server

BI Publisher is a pure J2EE application and has been extensively tested on:

- Oracle AS 10.1.3
- OC4J Standalone 10.1.3
- BEA WebLogic 8.1, 9.2, 10
- Apache Tomcat 5.5
- IBM WebSphere 6.1
- Sun Java System Web Server 6.1, 7.0
- JBoss Application Server 4.0

Oracle AS 10.1.3 or OC4J 10.1.3 Deployment

Depending on how you have installed Oracle Application Server or OC4J, there are several methods you can use to deploy BI Publisher. Oracle recommends using Oracle Application Server Control to deploy Java applications. The following steps use the

admin_client.jar file to deploy BI Publisher on Oracle AS 10.1.3 or OC4J 10.1.3. Please refer to the *Oracle Containers for J2EE Deployment Guide* to see which deployment method is best for your installation.

1. Deploy the xmlpserver.ear to your OC4J instance.

Syntax:

```
java -jar admin_client.jar
deployer:oc4j:opmn://<host>:<OPMN_Request_port>/<instance_name>
oc4jadmin<oc4jadmin_Password> -deploy -file xmlpserver.ear
-deploymentName xmlpserver -bindAllWebApps
```

Example:

```
C:\product\10.1.3.1\OracleAS_1\jdk\jre\bin\java -jar
admin_client.jar deployer:oc4j:opmn://localhost:6005/home
oc4jadmin oc4jadmin -deploy -file
C:\Temp\BIP_101332>manual\oc4j\xmlpserver.ear -deploymentName
xmlpserver -bindAllWebApps
```

2. Launch the BI Publisher application.

Open your browser to `http://hostname:port/xmlpserver`

For example:

`http://localhost:8888/xmlpserver`

3. If you see the login page, proceed to *Configuring the BI Publisher Repository and Installing Fonts*, page 3-12.

Note: To generate documents in the widest range of locales, when starting Oracle Containers for J2EE please specify the following arguments to the Java Virtual Machine:

```
-Dfile.encoding=UTF-8 -Duser.language=en -Duser.country=US
```

This enables the BI Publisher installation to generate documents in all the supported locales and languages regardless of the language and locale of the server operating system.

Example:

```
C:\Java\jdk1.5.0_06\bin\java -Dfile.encoding=UTF-8
-Duser.language=en -Duser.country=US -jar
C:\OC4J\j2ee\home\oc4j.jar
```

Apache Tomcat 5.5 Deployment

There are several approaches available to deploy applications to the Tomcat servlet container. Please see the *Apache Tomcat Application Developer's Guide* to determine which method is appropriate for your installation. The following steps use the Tomcat Web Application Manager to deploy BI Publisher on Apache Tomcat 5.5:

Important: Apache Tomcat deployments of BI Publisher require that folder and file names use ASCII characters only. Any non-ASCII character will be displayed incorrectly.

1. Open the Tomcat home page.
2. Select **Tomcat Manager** and log in.
3. From the **Tomcat Web Application Manager** page, under the **Deploy** region, browse for and select the `manual\generic\xmlpserver.war` from your install media. Select the **Deploy** button.
4. Ensure the xmlpserver application successfully deployed. If successful, `/xmlpserver` will appear on the **Tomcat Web Application Manager** page under the list of Applications.
5. Open your browser, `http://hostname:port/xmlpserver` to see the login page.
For example: `http://localhost:8080/xmlpserver`
6. If you see the login page, proceed to *Configuring the BI Publisher Repository and Installing Fonts*, page 3-12.

IBM WebSphere 6.1 Deployment

This section describes one example of how to deploy the BI Publisher application to the IBM WebSphere 6.1 application server. Refer to your WebSphere documentation for the appropriate procedure to install into your environment.

1. Access the WebSphere Administrative Console, select **Install New Application**.
2. Choose the `manual/generic/xmlpserver.ear` file from your installation media.
3. Select the **Generate Default Bindings** checkbox and click **Next**.
4. On the **Select installation options** page, select the **Distribute application** checkbox and the **Create MBeans for resources** checkbox.
5. On the **Map modules to servers** page, select `xmlpserver.war`.
6. On the **Map virtual hosts for Web modules** page select `xmlpserver.war`.
7. On the Summary screen, review your selections, and select **Finish**.

8. You will see the deployment status on the screen. Once you see the success message, select the **Save to Master Configuration** link.
9. Restart BI Publisher.
From the WebSphere Administration Console, select the **Enterprise Applications** link, choose "xmlpserver" and click the **Stop** button. Once stopped, choose "xmlpserver" and click the **Start** button.
10. Launch BI Publisher:
Open your browser to `http://hostname:port/xmlpserver` to see the login page.
For example: `http://localhost:8080/xmlpserver`
11. If you see the login page, proceed to Configuring the BI Publisher Repository and Installing Fonts, page 3-12.

Sun Java System Web Server 6.1 Deployment

This section describes one example of how to deploy the BI Publisher application. Follow the guidelines in your Sun Java System Web Server 6.1 documentation for the appropriate method for your installation.

Important: To successfully deploy BI Publisher on Sun Java System Web Server 6.1 you must perform the predeployment and postdeployment configuration steps described in this section:

- Before you deploy, you must ensure that the `maxUploadSize` property is set appropriately as described in Step 1.
- After you deploy, you must configure the `system.xml` file as described in Step 11.

The `xdoparser.jar` files include files from the W3C `org.w3c.dom` package that are excluded from the same package included with the Sun Java System Web Server `system.jar` files. To ensure these files are loaded from the `xdoparser.jar` file, you must configure the `server.xml` file to load the `xmlparser.jar` files first.

Note: The Sun Web Server on Windows platform blocks any URI that contains a tilde "~" character. To allow URIs that contain a tilde, you must edit the `obj.conf`. The `obj.conf` file is located in the `<instance_dir>/config` directory. Edit the file as follows:

```
<Object name="default">
...
PathCheck fn="nt-uri-clean" tildeok=""
...
</Object>
```

By default, the `tildeok` parameter is not present. You must add this manually. For more information, see the Sun Web Server 6.1 configuration file reference:

<http://docs.sun.com/source/817-1834-10/crobjsaf.html#wp18466>.

1. Ensure the `maxUploadSize` property is set appropriately to handle the size of the BI Publisher WAR file. It is recommended that you set the `maxUploadSize` property to 100 megabytes.

To set the `maxUploadSize` property:

In the `<WebServer-install-dir`

`>/bin/https/webapps/admin-app/WEB-INF/web.xml`, add the following parameter:

```
<init-param>
  <param-name>maxUploadSize</param-name>
  <param-value>100000000</param-value>
</init-param>
```

For example:

```
<servlet-name>webappdeploy</servlet-name>
<servlet-class>com.sun.web.admin.servlets.DeployServlet</servlet-class>
<init-param>
  <param-name>maxUploadSize</param-name>
  <param-value>100000000</param-value>
</init-param>
```

2. Restart the application server.
3. In a browser, open the Admin Console of the Sun Java System Web Server 6.1.
4. Select a Server from the list and click **Manage**.
5. Select the **Virtual Server Class** tab.
6. Select a Class from the list and click **Manage**.
7. From the **Select a Virtual Server** drop-down list, choose your server and click **Manage**.
8. Select the **Web Applications** tab.
9. On the **Deploy Web Application** page, browse for and select `manual\generic\xmlpserver.war` (non-oc4j version) from your install media.

In the Application URI field, enter `/xmlpserver` then click OK.

Please note where this WAR file deployed, indicated in the **Installation Directory** field.

10. Click OK to deploy the application. A message appears informing that you must apply the changes. Click **Apply** in the top right corner, then click **Apply Changes**.
11. Configure the Sun Java System Web Server `server.xml` file to load the `xdoparser.jar` files first:

- Open `<WebServer-install-dir>/<https-name-of-webserver-instance>/config/server.xml`
- Add the following class path as the first entry for the `serverclasspath` attribute value in the `<JAVA>` tag:

```
<WebServer-install-dir>/<https-name-of-webserver-instance>/webapps/<https-name-of-web-server-instance>/xmlpserver/WEB-INF/lib/xdoparser.jar
```

Example from `server.xml`:

```
<JAVA javahome="C:/Sun/WebServer6.1/bin/https/jdk"
serverclasspath="C:/Sun/WebServer6.1/https-xmlphost/webapps/https-xmlphost/xmlpserver/WEB-INF/lib/xmlparserv2-904.jar;C:/Sun/WebServer6.1/https-xmlphost/webapps/https-xmlphost/xmlpserver/WEB-INF/lib/xdoparser.jar;C:/Sun/WebServer6.1/bin/https/jar/webserv-rt.jar;${java.home}/lib/tools.jar;C:/Sun/WebServer6.1/bin/https/jar/webserv-ext.jar;C:/Sun/WebServer6.1/bin/https/jar/webserv-jstl.jar;C:/Sun/WebServer6.1/bin/https/jar/ktsearch.jar"
classpathsuffix="" envclasspathignored="true"
nativelibrarypathprefix="" debug="false" debugoptions="-Xdebug -Xrunjdwp:transport=dt_socket,server=y,suspend=n"
dynamicreloadinterval="-1">
```

12. Launch the BI Publisher application:

Open your browser to `http://hostname:port/xmlpserver` to see the login page.

For example: `http://localhost:8080/xmlpserver`

13. If you see the login page, proceed to *Configuring the BI Publisher Repository and Installing Fonts*, page 3-12.

Sun Java System Web Server 7.0 Deployment

This section describes one example of how to deploy the BI Publisher application. Follow the guidelines in your Sun Java System Web Server 7.0 documentation for the appropriate method for your installation

Note: The Sun Web Server on Windows platform blocks any URI that contains a tilde "~" character. To allow URIs that contain a tilde, you must edit the `obj.conf`. The `obj.conf` file is located in the `<instance_dir>/config` directory, for example: `C:\Program Files\Sun\WebServer7\<https-hostname>\config\obj.conf`.

Edit the file as follows:

```
<Object name="default">
...
PathCheck fn="nt-uri-clean" tildeok=""
...
</Object>
```

By default, the `tildeok` parameter is not present. You must add this manually. For more information, see your Sun Web Server 7.0 configuration file reference (<http://docs.sun.com/app/docs/doc/819-2630>).

1. In a browser, open the Admin Console of the Sun Java System Web Server 7.0.
2. Select the **Virtual Servers** tab under **Configurations**.
3. Select the virtual server, into which you will deploy the BI Publisher application.
4. Select the **Web Applications** tab, and then click **New**.
5. Browse for and select `manual\generic\xmlpserver.war` (non-oc4j version) from your install media. (Optionally, you can also specify a Web application archive located on the server.)
6. In the Application URI field, enter `/xmlpserver` then click OK.
7. Enable the application.
8. Click **Deployment Pending**.
9. Click the **Deploy** button to deploy the BI Publisher application.
10. Launch the BI Publisher application:
Open your browser to `http://hostname:port/xmlpserver` to see the login page.
For example: `http://localhost:8080/xmlpserver`
11. If you see the login page, proceed to **Configuring the BI Publisher Repository and Installing Fonts**, page 3-12.

BEA WebLogic 8.1 Deployment

This section describes one example of how to deploy the BI Publisher application to the BEA WebLogic 8.1 application server. Refer to your WebLogic documentation for the appropriate procedure to install into your environment.

Important: Do not use JRockit SDK 1.4.2_08 (bundled with WebLogic 8.1). The `RandomAccessFile` class included with JRockit inhibits the proper generation of HTML, RTF and Excel outputs in BI Publisher reports. Instead, use Sun SDK 1.4.2 or later.

Note: Use of exploded archive directories: Do not deploy `xmlpserver.ear` (or `xmlpserver.war`) on WebLogic by uploading it from the WebLogic console because the console deploys the application (or Web module) in an archived file format. This is problematic to BI Publisher configuration because you must update `WEB-INF/xmlp-server-config.xml` manually after the deployment. To workaroud this issue, use an "exploded archive" directory. To create an exploded archive directory, you manually unpack the `xmlpserver.ear` and `xmlpserver.war` using a `jar` command. For more information, see your WebLogic documentation.

1. Create an exploded archive directory.

Example

```
mkdir C:\BIPub\xmlpserver.war
cd C:\BIPub\xmlpserver.war
jar -xvf manual\generic\xmlpserver.war
```

2. In a browser, open the WebLogic Administration console (for example: `http://hostname:7001/console`).
3. Click `<domain name>/Deployments/Web Application Modules` from the left tree pane.
4. Select **Deploy a new Web Application Module**.
5. Select `C:\BIPub\xmlpserver.war` as the **Target Module** and click **Deploy**.
WebLogic automatically deploys and starts up the BI Publisher server.
6. Open your browser to `http://hostname:port/xmlpserver` to see the login page.
For example: `http://localhost:8080/xmlpserver`
7. If you see the login page, proceed to Configuring the BI Publisher Repository and

BEA WebLogic 9.2 Deployment

This section describes one example of how to deploy the BI Publisher application to the BEA WebLogic 9.2 application server. Refer to your WebLogic documentation for the appropriate procedure to install into your environment.

Note: Use of exploded archive directories: Do not deploy `xmlpserver.ear` (or `xmlpserver.war`) on WebLogic by uploading it from the WebLogic console because the console deploys the application (or Web module) in an archived file format. This is problematic to BI Publisher configuration because you must update `WEB-INF/xmlp-server-config.xml` manually after the deployment. To workaround this issue, use an "exploded archive" directory. To create an exploded archive directory, you manually unpack the `xmlpserver.ear` and `xmlpserver.war` using a `jar` command. For more information, see your WebLogic documentation.

1. Create an exploded archive directory.

Example:

```
mkdir C:\BIPub\xmlpserver.war
cd C:\BIPub\xmlpserver.war
jar -xvf manual\generic\xmlpserver.war
```

2. In a browser, open the WebLogic Administration console (for example: `http://hostname:7001/console`).
3. If you have not already done so, in the **Change Center** of the Administration Console, click **Lock & Edit**.
4. In the left pane of the Administration Console, click **Deployments**.
5. In the right pane, click **Install**.
6. Select `C:\BIPub\xmlpserver.war` and click **Next**.
7. Select "Install this deployment as an application" and click **Next**.
8. Select "I will make the deployment accessible from the following location" from Source accessibility.
9. Click **Finish**.
10. To activate these changes, in the **Change Center** of the Administration Console,

click **Activate Changes**.

11. Perform the configurations described in *Configuring the BI Publisher Repository and Installing Fonts*, page 3-12.
12. Start the service: click **Deployments**, then `xmlpserver`.

BEA WebLogic 10 Deployment

This section describes one example of how to deploy the BI Publisher application to the BEA WebLogic 10 application server. Refer to your WebLogic documentation for the appropriate procedure to install into your environment.

1. Create a new WebLogic Server domain using a JDK such as Sun JDK 1.5.x or higher.
2. Create an exploded archive directory from the `xmlpserver.ear` or `xmlpserver.war` file using the new domain, by following these steps:
 1. Copy the `xmlpserver.ear` or `xmlpserver.war` file in the `\xmlpserver\web` directory to a destination directory, as shown in the following example.

Example:

```
-mkdir c:mydestination\xmlpserver\  
-cp c:\xmlpserver\web\xmlpserver.war to  
c:mydestination\xmlpserver\  

```

2. Manually unpack the `xmlpserver.ear` or `xmlpserver.war` file using a `jar` command, as shown in the following example.

```
jar -xvf manual\generic\xmlpserver.war
```

By running the `jar` command, you create a directory called "xmlpserver." This is the directory where the application will be deployed.

Note the following about exploded archive directories: Do not deploy the `xmlpserver.war` or `xmlpserver.ear` file on the WebLogic Server by uploading it from the WebLogic console, because the console deploys the application (or Web module) in an archived file format. This is problematic to a BI Publisher configuration, because you must update `WEB-INF/xmlp-server-config.xml` manually after the deployment. To work around this issue, use an "exploded archive" directory.

3. If you need to make any changes to the BI Publisher configuration files, such as to update the catalog path in the `xmlp-server-config.xml` file, then do so before deployment.
4. In a browser, open the WebLogic Administration console (for example: `http://hostname:7001/console`).

5. If you have not already done so, in the **Change Center** of the Administration Console, click **Lock & Edit**.
6. In the left pane of the Administration Console, click **Deployments**.
7. In the right pane, click **Install**.
8. Select `C:\mydestination\xmlpserver.war` and click **Next**.
9. Select "Install this deployment as an application" and click **Next**.
10. Select "I will make the deployment accessible from the following location" from Source accessibility.
11. Click **Finish**.
12. To activate these changes, in the **Change Center** of the Administration Console, click **Activate Changes**.
13. Perform the configurations described in *Configuring the BI Publisher Repository and Installing Fonts*, page 3-12.
14. Start the service: click **Deployments**, then `xmlpserver`.

Configuring the BI Publisher Repository and Installing Fonts

After deploying BI Publisher in your application server, you must set up the BI Publisher repository and install the font files.

To set up the repository, copy the `xmlp` repository directory to a location on your server, then edit the configuration file to point to the saved location as follows:

1. Copy the XMLP repository directory from `\manual` on your installation media to your server.
2. Open the `xmlp-server-config.xml` file located in the `<application installation>/WEB-INF/` directory, where your application server unpacked the `war` or `ear` file.

Example:

In an AS/OC4J 10.1.3 deployment, the location is

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

If you are on BI Publisher version 10.1.3.3.1 or later, the file contains the following:

```
<?xml version="1.0" encoding="UTF-8"?>
<xmlpConfig xmlns="http://xmlns.oracle.com/oxp/xmlp">
  <resource>
    <file path="{oracle.home}/xdo/repository"/>
  </resource>
</xmlpConfig>
```

Note: If you are on version 10.1.3.3 of BI Publisher, the `<file path>` element will appear as follows:

```
<file path="%s_Reports_Path%"/>. Replace the
"%s_Reports_Path%" string with the file path to the location where
you copied the XMLP repository directory on your server, as
described in the next step.
```

3. Replace `{oracle.home}/xdo/repository` with file path to the location where you copied the XMLP repository directory on your server.

For example, if you copied the repository directory to `/home/repository/XMLP`, update the `xmlp-server-config.xml` file as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<xmlpConfig xmlns="http://xmlns.oracle.com/oxp/xmlp">
  <resource>
    <file path="/home/repository/XMLP"/>
  </resource>
</xmlpConfig>
```

Save `xmlp-server-config.xml` after updating.

4. Copy the font files from the `manual\fonts` on the install media to the fonts directory of the Java Runtime Environment used by your J2EE container/application server.

Example for Apache Tomcat:

```
C:\Program Files\Java\jre1.5.0_07\lib\fonts
```

Example for Oracle Application Server or OC4J:

```
<ORACLE_HOME>...\jdk\jre\lib\fonts
```

Example for WebSphere:

```
<WebSphere dir>/AppServer/java/jre/lib/font
```

5. Restart your application server.

6. Launch BI Publisher:

Open your browser to `http://hostname:port/xmlpserver`

For example:

```
http://localhost:8888/xmlpserver
```

7. Log in with user name "Administrator" and password "Administrator".

Important: Please change the Administrator password on the **Account** tab under **Preferences**.

Postinstallation Tasks

Introduction

This chapter describes the required and optional tasks to be performed after the successful installation of the BI Publisher server into an OC4J instance or other J2EE application server.

The topics in this chapter include:

- Postinstall Checklist
- Configuring the Scheduler Database
- Configuring the Demo Data Sources
- Installing Oracle BI Publisher Desktop

Postinstall Checklist

To complete your BI Publisher install, perform these tasks:

- Configure the scheduler database
- Configure the JDBC demo data source
- Configure the File demo data source
- Install BI Publisher Desktop

Configuring the Scheduler Database

To schedule reports you must configure a database and install the BI Publisher scheduler schema. See Environment Requirements, page 1-2 for the list of supported

databases.

Installing the Scheduler Schema

BI Publisher uses Quartz, an open-source job-scheduling system. To set up the BI Publisher scheduler you must install the scheduler tables to your database. To set up the scheduler database tables, use the BI Publisher Scheduler Configuration tab to define a JDBC connection to your database, then BI Publisher will install the tables to your database.

BI Publisher includes the Hyperion-branded DataDirect Connect for JDBC drivers that you can use to set up connection to your BI Publisher scheduler database. These drivers can be used as an alternative to the native JDBC drivers provided by your database vendor. When you choose a database for which a DataDirect driver is available, BI Publisher automatically enters the database driver class information in the setup screen for you. There is no additional setup required for the driver files.

If you choose to use the native driver for any database other than Oracle or if you choose to use a DataDirect driver not provided by BI Publisher, you must download, install, and configure the driver manually.

Important: If you stop and start or restart the database that contains your BI Publisher Scheduler tables, you must restart your BI Publisher Enterprise server.

Recommendations for Using DataDirect Connect or Native Database Drivers

DataDirect Connect for JDBC drivers are provided for the following databases:

- IBM DB2 v8.1, v9.1
- Microsoft SQL Server 2000, 2005
- Sybase Adaptive Server Enterprise
- Oracle 9i, Oracle 10g, Oracle 11g,

The following table displays the driver recommendations for the supported scheduler databases:

Database	Native JDBC Driver	DataDirect JDBC Driver
Oracle 9i, Oracle 10g, Oracle 11g	Recommended	Supported

Database	Native JDBC Driver	DataDirect JDBC Driver
IBM DB2 v8.1, v9.1	Supported	Recommended
Microsoft SQL Server 2000, 2005	Supported	Recommended
Sybase Adaptive Server Enterprise	Supported	Recommended
MySQL 4.1.10a-NT, 5.0	Supported	Not Supplied

Set Up a User on Your Scheduler Database

To set up the connection to your scheduler database, you must ensure you have created a user on your selected database. BI Publisher will use this user to connect to the database. Depending on your database type, this user may require specific privileges. These are detailed in the database-specific sections below.

Entering Connection Information for Your Scheduler Database and Installing the Schema

Following are the general steps for setting up the Scheduler database. Please also refer to the subsequent section that is specific to your database.

1. Log in to BI Publisher with Administrator credentials and select the **Admin** tab.
2. Under **System Maintenance**, select **Scheduler Configuration**.
3. Enter the following fields for the Database Connection:
 - **Database Type** - select your database from the list. After you make a selection, the Database Driver Class field will automatically update with the recommended driver class.
 - **Connection String** - enter the connection string for your selected database. Sample strings are provided in the database-specific sections that follow.
 - **Username** and **Password** - enter the scheduler user you set up for your database. The user must have permissions to connect to the database and create tables. Other permissions may be required depending on your database type. Please see the appropriate database-specific section below.
 - **Database Driver Class** - when you select the database type this field is automatically updated with the recommended driver. If you wish to use

another driver, specify it in this field.

Note: The Oracle database drivers and the DataDirect drivers are installed with BI Publisher and no further setup is required. Note that for other databases, even though the recommended native drivers are automatically populated in this field, additional setup is required to make the drivers available to BI Publisher.

4. Click **Test Connection** to ensure that BI Publisher can connect to the database. If the connection fails, ensure that you have entered the fields as shown and set up your database appropriately.
5. Click **Install Schema** to install the BI Publisher scheduler schema to your database.

Entering Connection Information for an Oracle Database

Prerequisite: Ensure that the database user you enter has "connect" or "create session" and "create table" privileges and that the user has been assigned a quota (otherwise the quota will be 0).

For example, the following sample creates the user "bipubsched":

```
SQL> CREATE USER bipubsched
 2 IDENTIFIED BY welcome
 3 DEFAULT TABLESPACE USERS
 4 TEMPORARY TABLESPACE TEMP
 5 QUOTA 20G ON USERS
 6 QUOTA 1M ON TEMP;
```

User created.

```
SQL> GRANT CREATE SESSION TO bipuser; -- or "GRANT CONNECT TO bipuser;"
```

Grant succeeded.

```
SQL> grant create table to bipublisher;
```

Grant succeeded.

Enter the following to use the Oracle native driver to connect to your Oracle database:

Field	Entry
Database Type:	Select Oracle 11g, Oracle 10g, or Oracle 9i from the list.

Field	Entry
Connection String:	<p>Enter the following connection string parameters:</p> <pre>jdbc:oracle:thin:@<hostname>:<port>:<oracle SID></pre> <p>For example:</p> <pre>jdbc:oracle:thin:@mydatabaseserver.com:1521:bipscheduler</pre>
Database Driver Class:	oracle.jdbc.driver.OracleDriver

Entering Connection Information for IBM DB2

Prerequisite: Ensure that the user that you enter to configure the scheduler has been set up with a 32 K page size tablespace. If not, create the table and assign it to the user. The user must also have "Connect to database" and "Create tables" privileges.

Enter the following to use the DataDirect driver to connect to an IBM DB2 v8 or IBM DB2 v9 database:

Field	Entry
Database Type:	Select IBM DB2 v9 or IBM DB2 v8 from the list.
Connection String:	<p>Enter the following connection string parameters:</p> <pre>jdbc:hyperion:db2://<hostname>:<port>;DatabaseName=<DATABASENAME></pre> <p>For example:</p> <pre>jdbc:hyperion:db2://mydatabaseserver.com:1433;DatabaseName=bipscheduler</pre>
Database Driver Class:	hyperion.jdbc.db2.DB2Driver

Entering Connection Information for Microsoft SQL Server

Prerequisite: Ensure that your Microsoft SQL Server is set up with mixed mode authentication. Also ensure that the user you enter to configure the scheduler has the "db_owner" role.

Enter the following to use the DataDirect driver to connect to a Microsoft SQL Server 2000 or 2005 database:

Field	Entry
Database Type:	Select Microsoft SQL Server 2000 or Microsoft SQL Server 2005 from the list.
Connection String:	<p>Enter the following connection string parameters:</p> <pre>jdbc:hyperion:sqlserver://<hostname>:<port>; DatabaseName=<DATABASENAME></pre> <p>For example:</p> <pre>jdbc:hyperion:sqlserver:// mydatabaseserver.com:1433;DatabaseName=bipsche duler</pre>
Database Driver Class:	hyperion.jdbc.sqlserver.SQLServerDriver

Entering Connection Information for a Sybase Adaptive Server Enterprise Database

Prerequisite: Ensure that you set the "ddl in tran" mode to true in the database. Consult the Sybase documentation or contact your database administrator for instruction how to enable this option.

Enter the following to use the DataDirect driver to connect to your Sybase Adaptive Server Enterprise database:

Field	Entry
Database Type:	Select Sybase Adaptive Server Enterprise from the list.
Connection String:	<p>Enter the following connection string parameters:</p> <pre>jdbc:hyperion:sybase://<hostname>:<port>;Dat abaseName=<DATABASENAME></pre> <p>For example:</p> <pre>jdbc:hyperion:sybase://mydatabaseserver.com: 4100;DatabaseName=bipscheduler</pre>
Database Driver Class:	hyperion.jdbc.sybase.SybaseDriver

Entering Connection Information for a MySQL Database

Prerequisite: You must download the MySQL JDBC driver and register it with the application server where BI Publisher is running.

The MySQL JDBC driver can be downloaded from:
<http://www.mysql.com/products/connector/j/>

See your application server documentation for information on registering the driver.

Enter the following if your scheduler database is MySQL 4.1 or MySQL 5.0

Field	Entry
Database Type:	Select MySQL 4.1 or MySQL 5.0 from the list.
Connection String:	Enter the following connection string parameters: <code>jdbc:mysql://<hostname>:<port>/<DATABASENAME></code> For example: <code>jdbc:mysql://mydatabaseserver.com:4100/bipscheduler</code>
Database Driver Class:	<code>com.mysql.jdbc.driver</code>

Setting Up the Demo Data Sources

BI Publisher provides a set of demonstration reports for you to view and run as samples.

The sample reports use a file-based data source and a JDBC data source. Follow the steps below to configure the data sources.

Configuring the Demo File Data Source

The XMLP directory contains the DemoFiles data source directory. Set up this folder as a file-based data source as follows:

1. Locate the DemoFiles directory in your installation.

For example: `C:\OracleBI\xmlp\XMLP\DemoFiles`

If you performed a manual installation, the XMLP directory will be located where you copied it in the step Configuring the BI Publisher Repository and Copying Fonts, page 3-12.

2. Log in to BI Publisher with Administrator credentials.
3. Select the **Admin** tab.

4. In the **Data Sources** section, select **File**.
5. Select the data source with the name "demo files".
6. Enter the path to the DemoFiles folder.
For example: C:\OracleBI\xmlp\XMLP\DemoFiles
7. Click Apply to save the changes.

Configuring the Demo JDBC Data Source

Note: The demo data source must be connected to an Oracle Database with the sample schemas and users HR and OE unlocked.

1. Select the **Admin** tab.
2. In the **Data Sources** section, select the **JDBC Connection** link.
3. Select the select the data source with the name "demo".
4. In the **Update Data Source** screen, change the connection string to point to an Oracle 10g database with unlocked OE user.
5. Click the **Test Connection** button to confirm that BI Publisher can access the database.
6. Click **Apply** to save the changes.

Installing Oracle BI Publisher Desktop Tools

The Oracle BI Publisher Desktop tools are recommended for users who will be designing report layout templates.

Obtain the BI Publisher Desktop tools as follows:

Important: If you have installed an earlier version of the Template Builder for Word or the Excel Analyzer you must remove the previous version before installing a new version.

Important: To install the BI Publisher Desktop tools on Microsoft Windows Vista, ensure the User Account Control (UAC) is set to on. This is also the default setting. For more information, see the Microsoft document: Turn User Account Control on or off

[<http://windowshelp.microsoft.com/Windows/en-US/Help/58b3b879-924d-4e08-9358-c316055d3eae1033.msp>].

- From the Application:

The Oracle BI Publisher Template Builder for Microsoft Word Add-in and the Excel Analyzer can be installed from the BI Publisher application for users with the appropriate roles assigned (that is, BI Publisher Administrator, BI Publisher Developer, and BI Publisher Excel Analyzer). The download link appears on the **Developer Tools** region. For more information, see the topic: Creating an RTF Template Using the Template Builder for Word in the *Oracle Business Intelligence Publisher User's Guide*.

For users running non-Vista Windows clients, the Excel Analyzer can also be downloaded on demand the first time the **Analyzer for Excel** button is selected from the View page. For more information see the topic: Using the BI Publisher Analyzer for Excel in the *Oracle Business Intelligence Publisher User's Guide*.

- The Oracle BI Publisher Template Builder for Microsoft Word Add-in and the Analyzer for Excel can also be obtained from the install media:

Navigate to `\manual\XMLP\Tools\` where the install executables `BIPublisherDesktop.exe` and `ExcelAnalyzer.exe` are located. Double-click the file and follow the installer prompts.

Upgrading BI Publisher

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.

This procedure applies to BI Publisher installations originally installed using the BI Publisher Installer or originally installed by following the manual install instructions in this guide. This procedure does not apply to installations completed using the Oracle Business Intelligence Enterprise Edition installer.

For installations completed using the Oracle Business Intelligence Enterprise Edition installer, refer to "About Re-Installing Oracle BI Components" in the *Oracle Business Intelligence Infrastructure Installation and Configuration Guide*.

The upgrade procedure requires you to manually deploy the new `xmlpserver.ear` or `xmlpserver.war` file to your application server and then copy over only the upgraded files to your existing BI Publisher repository location. This procedure will maintain your existing report repository, user repository, and configuration and integration settings.

Upgrading the Application:

1. Identify the location of your BI Publisher repository.

If you do not know the location of the BI Publisher repository: Connect to BI Publisher with Administrator privileges. Select the Admin tab, then select Report Repository from the list of System Maintenance options to see the path to your BI Publisher repository.

2. Back up all the directories under the BI Publisher repository (for example: `{Oracle_Home}/xmlp/XMLP`).
3. Back up your existing BI Publisher Scheduler schema.

4. Shut down BI Publisher.
5. Undeploy the BI Publisher application ("xmlpserver") from your J2EE application server. See your application server documentation for instructions on how to undeploy an application.
6. Deploy the 10.1.3.4 xmlpserver.ear or xmlpserver.war to your application server. See *Manually Installing BI Publisher to Your J2EE Application Server*, page 3-1 for guidelines for your application server type.

Note that you only need to perform the steps required to deploy the xmlpserver.ear or xmlpserver.war file. Perform only the steps required to deploy the xmlpserver.ear or xmlpserver.war file.

Upgrading the Repository

1. Manually copy the following files from the 10.1.3.4 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/Scheduler/database-config.xml
2. Manually copy all files in the following directories from the 10.1.3.4 install media to your existing BI Publisher Repository :
 - manual/XMLP/Admin/Translation
 - manual/XMLP/Tools
3. Update xmlp-server-config.xml to point to the repository:

Open the xmlp-server-config.xml file located in the <application installation>/WEB-INF/ directory, where your application server unpacked the war or ear file.

Example:

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

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

The file contains the following:

```
<?xml version="1.0" encoding="UTF-8"?>
<xmlpConfig xmlns="http://xmlns.oracle.com/oxp/xmlp">
<resource>
  <file path="${oracle.home}/xdo/repository"/>
</resource>
</xmlpConfig>
```

Replace `${oracle.home}/xdo/repository` with the file path to the location where you copied the XMLP repository directory on your server.

For example, if you copied the repository directory to `/home/repository/XMLP`, update the `xmlp-server-config.xml` file as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<xmlpConfig xmlns="http://xmlns.oracle.com/oxp/xmlp">
<resource>
  <file path="/home/repository/XMLP"/>
</resource>
</xmlpConfig>
```

Ensure to save the file after you update it.

4. Restart the BI Publisher application (`xmlpserver`).

Silent and Non-Interactive Installation

This appendix covers the following topics:

- Silent Installation
- Non-Interactive Installation
- Create the Response File
- Start the Installation
- Postinstallation
- Security Tips for Silent and Non-Interactive Installations
- Deinstallation

Silent Installation

Silent installation eliminates the need to monitor the Oracle BI Publisher installation because there is no graphical output and no input by the user.

Silent installation is accomplished by supplying the Oracle Universal Installer with a response file and specifying the `-silent` flag on the command line. The response file is a text file containing variables and parameter values which provide answers to the installer prompts.

If this is a first time installation of Oracle BI Publisher, you must create the registry keys before starting. Registry key creation is described in Preinstallation.

Use silent installation when there are similar installations on more than one computer. Additionally, use silent install when performing the Oracle BI Publisher installation from a remote location using the command line.

Non-Interactive Installation

Non-interactive installations also use a response file to automate the installation. In non-interactive installations, there is graphical output and users may enter input.

Non-interactive installation of Oracle BI Publisher is also accomplished by supplying the Oracle Universal Installer with a response file but without specifying the `-silent` flag on the command line. The response file is a text file containing variables and parameter values which provide answers to the installer prompts. If you have not provided responses to all of the installer prompts, you need to enter information during the installation.

If this is a first time installation of Oracle BI Publisher, you must create the registry keys before starting. Registry key creation is described in Preinstallation.

Use non-interactive installation of Oracle BI Publisher when there are specific screens you want to observe during installation.

Create the Response File

Before doing a silent or non-interactive installation, you must provide information specific to your installation in a response file. The installer will fail if you attempt an installation using a response file that is not configured correctly. Response files are text files that you can create or edit in a text editor.

Creating Response Files from Templates

Templates for response files are available in the `stage\Response` directory of your install media. Response file templates are available for the following installation types:

Installation Type	File Name
Basic Installation	<code>oracle.bi.publisher.install_type1.rsp</code>
Advanced	<code>oracle.bi.publisher.install_type2.rsp</code>

See the template files for descriptions of the parameters in the file.

Note: For Boolean parameters, specify either "true" or "false".

Creating Response Files by Using the Record Mode in the Installer

You can run the installer in record mode to save your inputs to a file that you can use later as a response file. This feature is useful if you need to perform the same installation on different computers.

To run the installer in record mode:

1. Start up the installer with the `-record` and `-destinationFile` parameters.

```
E:\> setup.exe -record -destinationFile newResponseFile
```

Replace *newResponseFile* with the full path to the response file that you want the installer to create.

Example: `C:\myBIPublisherResponse.rsp`

2. Enter your values in the installer screens. The installer will write these values to the file specified in the `-destinationFile` parameter.

When you click the **Install** button, the installer automatically writes all your values to the specified file. At this point, you can complete the installation on this computer, or you can exit without performing the installation.

Secure information, such as passwords, is not written to the file, so you must modify the response file before you can use it. To set the password, modify the `s_adminpwd` parameter. See the generated response file for a description of the parameter.

Note: Response files created by record mode can only be used for non-interactive installations. You cannot use a response file created by record mode in a silent installation.

Example Response Files

The following sections shows example response files for the following Oracle BI Publisher installation types:

- Example Response File for Basic Installation
- Example Response File for Advanced Installation

Note: Be sure that you read the description of each *parameter=value* in the provided sample files, and edit *value* accordingly for your environment.

Example Response File for a Basic Installation

The following shows an example of a response file for a silent installation of Oracle BI Publisher as described in the topic: Performing a Basic Install, page 2-1.

```

RESPONSEFILE_VERSION=2.2.1.0.0
UNIX_GROUP_NAME=<Value Unspecified>
FROM_LOCATION="..\stage\products.xml"
FROM_LOCATION_CD_LABEL=<Value Unspecified>
NEXT_SESSION_RESPONSE=<Value Unspecified>
ORACLE_HOME="C:\OHOME1"
ORACLE_HOME_NAME="OHOME1"
TOPLEVEL_COMPONENT={"oracle.bi.publisher","10.1.3.2.1"}
DEINSTALL_LIST={"oracle.bi.publisher","10.1.3.2.1"}
SHOW_SPLASH_SCREEN=true
SHOW_WELCOME_PAGE=false
SHOW_COMPONENT_LOCATIONS_PAGE=false
SHOW_CUSTOM_TREE_PAGE=false
SHOW_SUMMARY_PAGE=true
SHOW_INSTALL_PROGRESS_PAGE=true
SHOW_REQUIRED_CONFIG_TOOL_PAGE=true
SHOW_CONFIG_TOOL_PAGE=true
SHOW_XML_PREREQ_PAGE=true
SHOW_RELEASE_NOTES=true
SHOW_END_OF_INSTALL_MSGS=true
SHOW_ROOTSH_CONFIRMATION=true
SHOW_END_SESSION_PAGE=true
SHOW_EXIT_CONFIRMATION=true
NEXT_SESSION=true
NEXT_SESSION_ON_FAIL=true
SHOW_DEINSTALL_CONFIRMATION=true
SHOW_DEINSTALL_PROGRESS=true
ACCEPT_LICENSE_AGREEMENT=true
RESTART_SYSTEM=<Value Unspecified>
CLUSTER_NODES=<Value Unspecified>
OUI_HOSTNAME=<Value Unspecified>
REMOVE_HOMES=<Value Unspecified>
INSTALL_TYPE="install_type_1"
s_ASHome=<Value Unspecified>
s_adminpwd="Administrator1"

```

Example Response File for an Advanced Installation

The following shows an example of a response file for a silent installation of Oracle BI Publisher as described in the topic: [Performing an Advanced Install](#), page 2-4.

```

RESPONSEFILE_VERSION=2.2.1.0.0
UNIX_GROUP_NAME=<Value Unspecified>
FROM_LOCATION="..\stage\products.xml"
FROM_LOCATION_CD_LABEL=<Value Unspecified>
NEXT_SESSION_RESPONSE=<Value Unspecified>
ORACLE_HOME="C:\OHOME1"
ORACLE_HOME_NAME="OHOME1"
TOPLEVEL_COMPONENT={"oracle.bi.publisher","10.1.3.2.1"}
DEINSTALL_LIST={"oracle.bi.publisher","10.1.3.2.1"}
SHOW_SPLASH_SCREEN=true
SHOW_WELCOME_PAGE=false
SHOW_COMPONENT_LOCATIONS_PAGE=false
SHOW_CUSTOM_TREE_PAGE=false
SHOW_SUMMARY_PAGE=true
SHOW_INSTALL_PROGRESS_PAGE=true
SHOW_REQUIRED_CONFIG_TOOL_PAGE=true
SHOW_CONFIG_TOOL_PAGE=true
SHOW_XML_PREREQ_PAGE=true
SHOW_RELEASE_NOTES=true
SHOW_END_OF_INSTALL_MSGS=true
SHOW_ROOTSH_CONFIRMATION=true
SHOW_END_SESSION_PAGE=true
SHOW_EXIT_CONFIRMATION=true
NEXT_SESSION=true
NEXT_SESSION_ON_FAIL=true
SHOW_DEINSTALL_CONFIRMATION=true
SHOW_DEINSTALL_PROGRESS=true
ACCEPT_LICENSE_AGREEMENT=true
RESTART_SYSTEM=<Value Unspecified>
CLUSTER_NODES=<Value Unspecified>
OUI_HOSTNAME=myhost.mycompany.com
REMOVE_HOMES=<Value Unspecified>
INSTALL_TYPE="install_type_2"
s_ASHome="C:\product\10.1.3.1\OracleAS_1"
s_adminpwd="Administrator1"

```

Start the Installation

To make the installer use the response file, specify the location of the response file that you want to use as a parameter when starting the installer.

To perform a non-interactive installation:

```
E:\temp\BIPublisher\ > setup.exe -responseFile
absolute_path_and_filename
```

To perform a silent installation, use the `-silent` parameter:

```
E:\temp\BIPublisher\ > setup.exe -silent -responseFile
absolute_path_and_filename
```

Postinstallation

The success or failure of the non-interactive and silent installations is logged in the `installActions<time_stamp>.log` file. Additionally, the silent installation creates the `silentInstall<time_stamp>.log` file. The log files are created in the `C:\Program Files\Oracle\Inventory\Logs` directory.

The `silentInstall<time_stamp>.log` file contains the following line if the installation was successful:

The installation of Oracle BI Publisher <Installation Type> was successful.

The `installActions<time_stamp>.log` file contains specific information for each Oracle BI Publisher installation type.

Security Tips for Silent and Non-Interactive Installations

One of the pieces of information in the response file is the installation password.

To minimize security issues regarding the password in the response file, follow these guidelines:

- Set the permissions on the response files so that they are readable only by the operating system user who will be performing the silent or non-interactive installation.
- If possible, remove the response files from the system after the silent or non-interactive installation is completed.

Deinstallation

You can perform a silent deinstallation of Oracle BI Publisher by supplying a silent deinstallation parameter to the response file you used for installation.

Modify the following parameter in your installation response file:

```
REMOVE_HOMES={"<ORACLE_HOME to be removed>"}
```

For example:

```
REMOVE_HOME="C:\oracle\ora_j2ee"
```

To perform a silent deinstallation, use the `-deinstall` parameter when entering the command:

```
E:\> setup.exe -silent -deinstall -responseFile  
absolute_path_and_filename
```

Deinstalling BI Publisher

Deinstallation Procedure

Follow these steps to deinstall Oracle BI Publisher:

1. Remove the BI Publisher application from its J2EE container.

Consult your application server documentation for instructions on removing an application.

2. Run the Oracle Universal Installer to remove application files.

Launch the OUI from the following path:

Start > Programs > Oracle > Oracle - Instance Name > Oracle Installation Products > Universal Installer

3. Select **Deinstall Products**.

From the Inventory dialog, select Oracle Business Intelligence Publisher 10.1.3.3 and click **Remove**.

4. If you performed a manual install, manually delete the BI Publisher repository directory and font files.
5. Remove BI Publisher Desktop tools using Microsoft Windows Add or Remove Programs utility.

