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PRIMAVERA

P6 EPPM Upgrade and Configuration Guide
16 R2

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Contents

About Automatically Upgrading and Configuring P6 EPPM

This guide tells you how to automatically upgrade and configure your applications. Before you begin, read through the *Prerequisites for P6 EPPM Configuration* (on page 19).

Upgrading P6 EPPM

You will use **setup.exe** in the Primavera P6 Enterprise Project Portfolio Management physical media or download to install the following P6 EPPM applications:

> **Notes**: Before installing P6 EPPM, run the script, **manual_script_before_upgrade.sql** located in the **p6suite\database\scripts\install\PM_<release_level>**folder of the physical media to minimize the configuration change on the Oracle database server.

▸ You should upgrade all of your applications to the latest version to ensure they work together.
▸ P6 (and its help and tutorials)
▸ P6 Team Member (includes P6 Team Member Web and E-mail Statusing Service)
▸ P6 mobile (includes P6 for iOS and P6 for Android)
▸ P6 Professional Cloud Connect
▸ P6 EPPM Web Services
▸ P6 Integration API

> **Note:** The wizard upgrades the remote P6 Integration API. If you want to use the local mode P6 Integration API, see the *P6 Integration API Configuration Guide*.

Configuring P6 EPPM

Use the P6 EPPM Configuration Wizard for your initial configuration of P6 EPPM. The P6 EPPM Configuration Wizard is a wizard that you can use to create or update a P6 configuration in Primavera P6 Administrator and to configure:

▸ A connection to an Oracle or Microsoft SQL Server database
▸ A WebLogic domain
▸ Connections to optional enabling technologies, such as a content repository (Oracle Webcenter Content Core Capabilities, Microsoft SharePoint, Oracle Database, or a CMIS-compliant repositories), BIP, and or BPM

Notes:

- The SharePoint connector is deprecated. The SharePoint connector is supported in this release, but might not be supported in a future release.
- New SharePoint users should configure SharePoint with a CMIS-compliant content repository, and then configure P6 EPPM to the CMIS-compliant content repository.

By default, the P6 EPPM Configuration Wizard runs automatically after you upgrade your P6 EPPM applications. If you need to manually launch the P6 EPPM Configuration Wizard, use **eppmconfig.cmd (.sh)** from the P6 EPPM installation folder at `C:\P6EPPM_1\p6`.

After you use the P6 EPPM Configuration Wizard, use Primavera P6 Administrator to configure P6 EPPM administration settings. For more information about Primavera P6 Administrator, see the *P6 EPPM System Administrator's Guide.*

Automatic Database Upgrade Considerations and Prerequisites

Read this chapter to upgrade your P6 EPPM database to the latest version   when version 6.2.1 or later is already installed. You need to upgrade your database if you want to preserve your project data to use with the new version of P6 EPPM. A wizard automatically upgrades your database for you.

Oracle recommends that you upgrade your database automatically; however, if you want to manually upgrade your database, use the *P6 EPPM Manual Upgrade Guide* for your database*.*

> **Note:** Prior to 15.1, any user who was granted P6 Professional module access could access both P6 Professional and P6 Visualizer applications. When you upgrade your instance of P6 EPPM to the current release, users who have P6 Professional module access will also be granted a separate P6 Visualizer module access. For more information about module access right, see *P6 Reference Manual.*

In This Section

Database Upgrade Considerations For Version 6.2.1 or Later

You can upgrade your existing P6 EPPM database (version 6.2.1 or later including service packs) to the latest version of P6 EPPM. You must upgrade your P6 EPPM database so it will work with the new version. Use the P6 EPPM Configuration Wizard to upgrade your database automatically. The wizard runs the necessary scripts to upgrade the database structure and an upgrade program to add data required by the new version.

> **Note**: These upgrade instructions apply only if you are upgrading from 6.2.1 or later. If you are upgrading from a version earlier than 6.2.1, you cannot directly upgrade to the latest version. For example, if you are on version 5.0, you will need to upgrade to 7.0 before you can upgrade to the latest version.

All risk data fields are migrated when upgrading; existing fields are mapped to new fields and others will be mapped to text fields.

Cautions:

- If you are a current Apache JackRabbit user and want to upgrade to the latest version of P6 EPPM, JackRabbit documents data will not migrate automatically. Refer to My Oracle Support's Knowledge Articles for information on manually migrating JackRabbit documents to Oracle Universal Content Management. Oracle recommends that you migrate the data before upgrading.

- If you are a current jBPM user and want to upgrade P6 EPPM, workflows and reviews data will not be available. You should close all workflows and reviews that are in progress before upgrading. You cannot migrate any of this data to the latest version of P6 EPPM.

Requirements to Upgrade Versions 8 or Later

The following list summarizes the procedures in the order in which you are required to upgrade from P6 EPPM R8 or later:

1) Complete the following pre-upgrade procedures:
   - Back up your P6 EPPM database before beginning the upgrade process to ensure you will not lose any data due to unexpected problems.
   - Stop the P6 EPPM instance on your application server.
   - Uninstall the current instance of P6 EPPM.
   - Grant privileges to the system user by running the `manual_script_before_upgrade.sql` script.
   - Run the validate file for the current version of P6 EPPM, which is located in the Database folder of the P6 EPPM physical media or download. Ensure that you do not run the validate file for the latest release.

2) (Optional) Manually upgrade your database by running `dbsetup.bat` (for Windows) `dbsetup.sh` (for UNIX / Linux) which can be found in database folder of your P6 EPPM physical media or download.

   > **Note:** If you upgrade your P6 EPPM database using `dbsetup`, then you must connect to an existing database when using the P6 EPPM Configuration Wizard. Alternatively, you can use the P6 EPPM Configuration Wizard to automatically upgrade you database.

3) Run the P6 EPPM Installation Wizard using `setup.exe` which can be found in your P6 EPPM physical media or download.

4) Connect to, or upgrade, an existing P6 EPPM database by using the P6 EPPM Configuration Wizard.
   - If you chose not to manually upgrade your database using dbsetup, select Upgrade an existing P6 EPPM database.
   - If you chose to manually upgrade your database using dbsetup, select Connect to an existing P6 EPPM database.

5) If necessary, update existing configurations.

6) Restart the P6 EPPM instance on your application server.
7) Clear your browser cache.
8) Test the new database to ensure that the upgrade has succeeded.

Requirements to Upgrade Versions 6.2.1 through 7.0

The following list summarizes the procedures required to upgrade from P6 EPPM version 7.0 or earlier (including service packs):

▶ Back up your P6 EPPM database before beginning the upgrade process to ensure you will not lose any data due to unexpected problems. See *Data Not Migrated During P6 EPPM Database Upgrade* (on page 11) for details on what information will not upgrade.

Run the validate file located in your current Database folder of the P6 EPPM physical media or download.

▶ If you're upgrading from version 7.0 or earlier, convert your Methodology Management data to projects before you upgrade P6 EPPM. See *Converting Methodologies to Projects* (on page 16) and *Creating a Project Template From Projects* (on page 50) for manual migration instructions.
▶ Run the P6 EPPM Configuration Wizard to automatically upgrade your existing P6 EPPM database.
▶ Test the new database to ensure that the upgrade succeeded.

Data Not Migrated During P6 EPPM Database Upgrade

When upgrading P6 EPPM, the following data will not migrate from previous releases:

▶ When upgrading from 16 R1 or earlier, SharePoint configuration details in Primavera P6 Administrator are not automatically migrated to the CMIS configuration settings in Primavera P6 Administrator.
▶ When upgrading from 16 R1 or earlier, AutoVue markup and rendition does not migrate if upgrading from a configuration with VueLink enabled to a configuration without VueLink enabled. If you want to retain AutoVue markup and rendition with VueLink enabled, ensure VueLink is enabled when upgrading.
▶ When upgrading from 16 R1 or earlier, AutoVue configuration details that are associated with a specific content repository in Primavera P6 Administrator will not migrate to the new location of the AutoVue configuration settings in Primavera P6 Administrator.
▶ Workflows Repository (supported configuration changed from jBPM to Oracle BPM).
▶ Content Repository (if previously an Apache JackRabbit user). Refer to Knowledge Articles on My Oracle Support for information on manually migrating JackRabbit documents to Oracle Universal Content Management.
▶ Top Down Estimation, including estimated weights (removed).
▶ Invited Users in the Project Workspace (removed).
▶ Issue Form Categories (removed).
▶ Summary Data (new summary tables incompatible with old summary tables). Refer to My Oracle Support's Knowledge Articles for information on manually migrating Scenarios data to the new summary tables.

▶ Methodology Management (replaced with Project Templates). See **Converting Methodologies to Projects** (on page 16) and **Creating a Project Template From Projects** (on page 50) for manual migration instructions.

Tips for Upgrading

Consider the following tips when upgrading:

User Name and Password Tips

▶ All new users must create a password with at least one character, regardless of whether Password Policy is enabled. P6 EPPM will prompt existing users to follow the new requirement if they reset their password and the Password Policy is disabled.

Security Tips

▶ Starting with P6 EPPM R8, P6 performs all user security and administration. Due to this change, all Admin Superusers receive Projects module access during the upgrade.

▶ To configure an Oracle database server for SSL, see the *Advanced Security Administrator's Guide* included with the Oracle Database Server Documentation for configuring the Oracle Server and Oracle Client(s) for SSL.

▶ To configure the SQL database server for SSL, use Microsoft's documentation for instructions on configuring SQL Database Server SSL. Direct questions about Installation / Configurations to the database vendor, Microsoft.

Application Tips

▶ P6 EPPM does not support Summary-Only projects. During the P6 EPPM database upgrade, existing Summary-Only projects convert to standard projects, but lose all summary data. You can import the summary project from Microsoft Project into the converted blank project, then summarize the data. See the *P6 Professional Help* or the *P6 Help*.

▶ P6 Professional no longer performs recurring job services. Use the Windows command line interface to run batch reports and export projects as a service. To view P6 Professional reports in P6, select the "Store report in Work Products and Documents" option when creating report batches or printing reports. See the *P6 Professional Help* for more information.

ANSI_PADDING for Microsoft SQL Server Database Tips

▶ To prevent duplicate values in P6 EPPM modules appearing due to leading or trailing spaces, ensure that the ANSI_PADDING setting in Microsoft SQL Server is **Off**. For example, if one user enters "Equipment" and another user enters " Equipment" (with a leading space) for resource codes, the database will store both of these as valid values if ANSI_PADDING is **On**. If ANSI_PADDING is **Off**, the database will remove the leading space in the second entry and tell the user to enter a unique ID. See the documentation included with Microsoft SQL Server for more information.

Risks Migration

The following table illustrates the risks data field mapping when upgrading from P6 EPPM database (7.0 or 7.0 service packs).

> **Note**: Some fields will migrate to text fields instead of new fields because certain fields no longer correspond. The new text fields are noted below.

Risks Fields Migration Table

P6 EPPM database (version 7.0 and 7.0 service packs) Risks Fields	P6 EPPM Risks Field
Risk Id	id
risk_name	name
risk_descr	description
status_code	status
risk_type_id	category_id
risk_control	notes
table_name	table_name
wbs_id	cause (with heading 'Applies to WBS' <WBS name>)
rsrc_id	cause (with heading 'Applies to Resource' <resource name>)
obs_id	cause (with heading 'Responsible Manager' <OBS name>)
priority_type	cause (with heading 'Priority' <priority type>)
add_date	cause (with heading 'Date Identified' <add_date in mmm-dd-yyyy format >)
impact_date	cause (with heading 'Date Identified' <add_date in mmm-dd-yyyy format >)
prbly_pct	cause (with heading 'Probability' <prbly_pct>)
impact_work_qty	cause (with heading 'Impact - Labor Units' <impact_work_qty> - 2 decimals)
impact_equip_qty	cause (with heading 'Impact - Nonlabor Units' <impact_equip_qty> - 2 decimals)

P6 EPPM database (version 7.0 and 7.0 service packs) Risks Fields	P6 EPPM Risks Field
impact_mat_qty	cause (with heading 'Impact - Material Units' <impact_mat_qty> - 2 decimals)
Impact_expense_cost	cause (with heading 'Impact - Expenses' <impact_expense_cost> - 2 decimals)

Pre-Upgrade Procedures

Perform the tasks in the following topics before upgrading your database.

Stopping the Application Server

You must stop your application server prior to upgrading in order to prevent files that are in use from not being upgraded. In the event that the application server has not been stopped, the upgrade process will fail.

Stopping WebLogic for P6 EPPM Applications

To stop WebLogic:

1) Navigate to `<weblogic_home>/user_projects/domain/your_domain/bin`.
2) Run **stopWeblogic.cmd** (for Windows) **stopWeblogic.sh** (for Linux or UNIX).
3) If prompted for a user name and password in the WebLogic console window, enter the administrative user name and password you specified when creating the domain.

> **Note**: The WebLogic console window that opened when you started WebLogic will close automatically when it has shutdown.

Installing Oracle Multimedia for an Oracle Database

When using an Oracle database, you must install Oracle Multimedia, along with these supporting components: Oracle JVM, Oracle XML DB (XDB), and XML Developer's Kit (XDK). Unless you specify otherwise, all these components automatically get installed with the latest versions of an Oracle database. If you chose not to install these components, you will need to install them before you upgrade P6 EPPM. See the *Oracle Multimedia's User's Guide* on the Oracle Technology Network (OTN) for information on how to install these components.

Grant Privileges to the SYSTEM User

Before upgrading P6 EPPM on an Oracle database, execute the following scripts:

1) Navigate to the following locations, open the designated scripts in a text editor, and modify the schema user references to match your actual schema user names:

   a. `\scripts\install\PM_`*<release level>*`\`**manual_script_before_install.sql**

   You must apply grant options to the SYSTEM schema user or a custom user associated with the Oracle DBA role. If you plan to use a custom schema user, other than SYSTEM, to execute steps which require a DBA role, then you must update the references to SYSTEM in the script with the new custom schema user associated with the DBA role.

   b. `\scripts\install\PM_`*<release level>*`\`**manual_script_before_upgrade.sql**

   If you are not using the schema names admuser or pxrptuser, update the references with your actual admuser and pxrptuser names.

2) Execute the following steps:

   a. From the command line, execute: **sqlplus sys/<password>@<db_tns_names_entry> as sysdba**.

   b. Go to \scripts\install\PM_<release_level> and execute the **manual_script_before_install.sql** script.

   c. From the command line, execute: **sqlplus system/<password>@<db_tns_names_entry>**.

   d. Go to \scripts\install\PM_<release_level> and execute the **manual_script_before_upgrade.sql** script.

Running the Validate Tool for a Version 7 or Later Oracle Database

Use the validate tool to ensure your database is not missing objects that could cause the database to fail to upgrade. You must perform the steps below before you download the latest media pack. For example, if attempt to upgrade to 16 R2 and you run the 16 R2 validate tool against a 15 R2 database, then the validate tool will not work.

> Double-click **validate.bat** (validate.sh for Linux) in your current Database folder of the P6 EPPM physical media or download to start the validate tool.

1) Provide the following:

   a. In the **Username** field, enter your administrative user name (for example, admuser).

   b. In the **Database host address** field, enter your database server name or TCP/IP address.

   c. In the **Database host port** field, enter the port number that Oracle is using. The default is 1521.

   d. In the **Database name field**, enter the Oracle Service Name. You can find it in the TNSNAMES.ORA file, which you created when you set up the Oracle client.

2) View the HTML page that the tool creates to ensure your database is not missing objects.

   ‣ If upgrading from 7.0, go to the 'Client Application' media pack, then locate the \install\database\scripts\ folder to find the scripts you need to fix.

▸ If upgrading from 8.0 or later, go to the database folder of the P6 EPPM physical media or download, then locate the \database\scripts\install\ to find the scripts you need to fix.

Running the Validate Tool for a Microsoft SQL Server Database

Use the validate tool to ensure your database is not missing objects that could cause the database to fail to upgrade. You must perform the steps below before you download the latest media pack. For example, if attempt to upgrade to 16 R2 and you run the 16 R2 validate tool against a 15 R2 database, then the validate tool will not work.

> Double-click **validate.bat** (validate.sh for Linux) in your current Database folder of the P6 EPPM physical media or download to start the validate tool.

1) Provide the following:
   a. In the **Database host address** field, enter the server machine name or IP address where you installed Microsoft SQL Server.
   b. In the **Database host port** field, enter the port number that Microsoft SQL Server is using. The default is 1433.
   c. In the **Database name field**, enter the name of the existing database that you want to validate.
2) View the HTML page that the tool creates to ensure your database is not missing objects.
3) If your database is missing objects, do one of the following:
   ▸ If upgrading from 7.0, go to the 'Client Application' media pack, then locate the \install\database\scripts\ folder to find the scripts you need to fix.
   ▸ If upgrading from 8.0 or later go to the database folder of the P6 EPPM physical media or download, then locate the \database\scripts\install\ to find the scripts you need to fix.

Converting Methodologies to Projects

To migrate Methodology Management version 7.0 data to the latest P6 Project Templates, you must first use Project Architect in the Project Management module to convert the data from a methodology to a project.

To convert Methodology Management data to a project:

1) Create a new EPS node in P6 Professional version 7.0 where you can store all your Methodology Management projects.
2) Use Project Architect in P6 Professional version 7.0 to create projects from Methodology Management data. For more information on using Project Architect, see version 7.0 of the *Oracle Primavera P6 Project Management Reference Manual*.

> **Note**: You can create only one project at a time. If you want all of your Methodology Management data moved to P6 Project Templates, contact Oracle Consulting to automate the process.

3) After you have converted all your Methodology Management data to projects, upgrade P6 EPPM.

4) Launch P6.

5) Convert your upgraded projects (formerly methodologies) to project templates. See *Creating a Project Template From Projects* (on page 50).

Upgrading an Oracle P6 EPPM Database

When upgrading the P6 EPPM database for a new version of P6 EPPM, you can either use the P6 EPPM Configuration Wizard that is delivered with the latest media pack or you can use `dbsetup`.

The P6 EPPM Configuration Wizard streamlines the process of upgrading the P6 EPPM with your WebLogic server and additional components. The P6 EPPM Configuration Wizard uses dbsetup to upgrade your database. For more information about using the P6 EPPM Configuration Wizard, refer to *About the P6 EPPM Configuration Wizard* (on page 33).

If you only want to upgrade your database, you can use dbsetup.

To upgrade the P6 EPPM database using dbsetup:

1) Perform a cold backup and a full database export.

   If you are unsure how to back up your Oracle database, do not proceed with the upgrade. Contact your database administrator, your database vendor, or Oracle Global Customer Support for assistance in backing up your database before performing the database upgrade. Also, ensure that you are familiar with the process of restoring the backup copy of the database in case you need to do so.

2) Double-click `dbsetup.bat` (for Windows) `dbsetup.sh` (for Linux) in the Database folder of the P6 EPPM physical media or download to start the Database wizard.

   > **Note**: Click **Next** on each wizard screen to advance to the next step.

3) On the **Primavera P6** dialog box:

   a. Select **Upgrade an existing database.**

   b. Select one of the following server types:
      - **Oracle**
      - **Microsoft SQL Server**

4) On the **Connection Information** dialog box, enter the following information to connect to the database:

   a. In the **DBA user name** field, log on to the database as a DBA.

   b. In the **DBA password** field, type the password associated with the user name that you entered.

   c. In the **Database host address** field, enter the server machine name or IP address where Oracle is installed.

   d. In the **Database host port** field, enter the port number that Oracle is using. The default is 1521.

    e. In the **Database name** field, enter the Oracle Service Name. It can be found in the `TNSNAMES.ORA` file, which was created when you or your DBA set up the Oracle client.

5) On the Connection Information dialog box, enter the following information:

    a. In the **Administrative user name** field, log on to the database as an administrative user, such as admuser. The user name must have administrative privileges and must be the owner of the application tables. The database must also have the Oracle compatible parameter set to 10.2 or greater.

    b. In the **Administrative password** field, type the password associated with the user name you entered.

6) On the **Upgrade Options** dialog box:

    a. Select your **Privileged user name** for the database (for example, privuser).

    b. In the **Privileged user password** field, type the password associated with the user name that you entered.

    c. Select your **Public user name** for the database (for example, pubuser).

    d. In the **Public user password** field, type the password associated with the user name that you entered.

    e. Select your **Background job user name** for the database (for example, bjobuser).

    f. In the **Background job user password** field, type the password associated with the user name that you entered.

7) On the **Upgrade Option** dialog box:

    a. Select your **PX Reporting User name** for the database (for example, pxrptuser).

    b. In the **Px Reporting User Password** field, type the password associated with the user name that you entered.

8) On the **Ready to Begin Upgrading Data** dialog box:

    a. Choose **Yes, upgrade my database**.

    b. Click **Upgrade**.

    The upgrade process could take several minutes, depending on its size.

9) On the **Primavera Database Setup Wizard** dialog box, click **Next** after the process has completed.

> **Note**: If the database upgrade fails, see PrimaveraDatabaseSetup.log located in the user home directory (for example, C:\Documents and Settings\Administrator). Contact Oracle Global Customer Support if you need further assistance.

10) On the **Finish** dialog box, click **Finish** to exit the wizard.

    Your database is now ready to use with P6 EPPM.

Prerequisites for P6 EPPM Configuration

Review and complete the prerequisites before configuring any P6 EPPM applications.

Uninstall P6 EPPM 7.0 or Later Applications

Before you upgrade, uninstall the products mentioned in the following sections. For most P6 EPPM applications, you can use the Oracle Universal Installer and then delete the applications from WebLogic if needed. You cannot use the Oracle Universal Installer for P6 Team Member 8.1 and E-mail Statusing Service; for those two applications, see one of the following:

▸ *Deleting P6 EPPM 7.0 or Later Applications from WebLogic* (on page 20)
▸ *Removing E-mail Statusing Service* (on page 20)

Using Oracle Universal Installer to Uninstall P6 EPPM 7.0 or Later

This is an optional step. You can also use Oracle Universal Installer to reinstall your P6 EPPM applications for your upgrade. For more information about reinstalling your applications using the Oracle Universal Installer, see *Installing P6 EPPM Applications* (on page 27).

To use the Universal Installer to Uninstall P6 EPPM 7.0 or Later:

1) From the P6 folder of the physical media or download location, run one of the following depending on your system type:

   ▸ If you are installing on a Microsoft Windows system, navigate to the **win\Disk1\install** directory, and then double-click on the **setup.exe** file.

   ▸ If you are installing on a non-Microsoft Windows system, type the following command:

   `cd` *Operating System*`/Disk1/install`

   Depending on your operating system, replace *Operating System* in the command above with aix_64-5L, hp_64, hpux_IA64, linux, or solaris_64, then type the following commands:

   ```
   chmod 755 runInstaller
   chmod 755 unzip
   ./runInstaller
   ```

2) On the **Welcome** screen, click **Deinstall Products**.

3) On the **Inventory** dialog box, under the **Contents** tab, select any P6 EPPM applications you want to uninstall.

4) Click **Remove**.

5) On the **Confirmation** dialog box, click **Yes**.

6) Click **Close** then **Cancel** to exit the dialog box and Oracle Universal Installer.

Deleting P6 EPPM 7.0 or Later Applications from WebLogic

To delete P6 EPPM applications from WebLogic:

1) Launch the WebLogic **Administration Console**.

> **Note:** You can open the Administration Console via a web browser using this address: http://*serverIP*:*listenport*/console. The default *listenport* is 7001.

2) In the **Welcome** window, log in using the user name and password that you created when you created your WebLogic domain.
3) In the **Change Center** pane of the Administration Console, click **Lock & Edit**.
4) In the **Domain Structure** pane, click **Deployments**.
5) In the **Summary of Deployments** pane, in the **Control** tab:
    a. Select the option next to the application(s) you want to delete.
    b. Click **Stop**, **Force Stop Now**.
6) On the **Force Stop Application Assistant** pane, click **Yes**.
7) In the **Summary of Deployments** pane, in the **Control** tab:
    a. Ensure the **State** column shows **Prepared**.
    b. Select the option next to   the application(s) you want to delete.
    c. Click **Delete**.
    d. On the **Delete Application Assistant** pane, click **Yes**.
8) In the **Change Center** pane, click **Activate Changes**.
9) Logout of the **Administration Console**.
10) If you will use the same home directory for the new deployments, delete the existing WAR or EAR file from that directory to avoid conflict with the new files.

Removing E-mail Statusing Service

To remove E-mail Statusing Service:

1) Locate your E-mail Statusing Service home directory (for example, EMAIL_HOME).
2) Create a backup copy of the config.properties file and note the location where you saved it.
3) Delete the E-mail Statusing Service home directory.

Installing P6 EPPM Applications

To install your P6 EPPM applications:

JDK Installation

WebLogic Server requires that you have a Java Development Kit (JDK) installed on your machine. You must manually download and install the required JDK. For a list of supported JDK versions for P6 EPPM, see the *Tested Configurations* document. As new releases of the software become available, you can find them at http://www.oracle.com/technetwork/java/archive-139210.html.

Installing WebLogic

You will need to install WebLogic to deploy P6 EPPM. For supported versions, see the *Tested Configurations* document. For more information about how to install WebLogic, see http://www.oracle.com/technetwork/middleware/weblogic/documentation/index.html

> **Note:** Oracle recommends that you install Oracle Access Manager on a new WebLogic Middleware home.
>
> If existing Middleware applications are installed into the Middleware home (for example, BI Publisher or Identity Management), Access Manager will fail to deploy.

Tips

After you finish installing WebLogic, ensure you can run the `startNodeManager.cmd` (with Windows) or `startNodeManager.sh` (with UNIX or Linux) before installing P6 EPPM. If you cannot run this file, contact your WebLogic administrator for help.

Installing a Database

You can use either Oracle or Microsoft SQL Server on your database server for P6 EPPM deployments. For more information about supported database versions, refer to *Tested Configurations*. You must install the database server before you can create the P6 EPPM database.

If you are using an Oracle Database, you must make sure to create a database with the Oracle Text option enabled. Oracle Text supports the Oracle Database content repository by using standard SQL to index, search, and analyze text and documents stored in the database, in files, and on the web. For more details, refer to the Oracle Database documentation.

If you are using a Microsoft SQL Server Database, you must make sure that you enable FILESTREAM before attempting your P6 EPPM installation or upgrade. For information about how to enable FILESTREAM, refer to the Microsoft SQL Server documentation for your version.

Notes:

- If you attempt to create a database using Oracle Database 12c, the option to create a container database is enabled by default. If you do not want to create a container database, deselect the **Create As Container Database** check box during the database creation process. If you create a container database, you must also create a pluggable database on which to install your P6 EPPM instance.
- When using an Oracle database, you must install Oracle Multimedia, along with these supporting components: Oracle JVM, Oracle XML DB (XDB), and XML Developer's Kit (XDK). Unless you specify otherwise, all of these components will automatically be installed with the latest versions of an Oracle database (11g and later). If you chose not to install these components, you will need to install them before you install P6 EPPM. See the *Oracle Multimedia's User's Guide* on the Oracle Technology Network (OTN) for information on how to install these components.
- Oracle Text is enabled by default.
- jobsvc.job_data_x is used to store XML data for XML import processes using the Varbinary(Max) datatype. In order to support the Varbinary(Max) datatype, you must enable FILESTREAM.

Content Repository Installation and Configuration

The Content Repository allows users to collaboratively share and manage documents in P6. For P6 EPPM users to utilize the enhanced document management functionality, you must install Oracle Webcenter Content Core Capabilities (WCCC), Microsoft SharePoint, Oracle Database, or a CMIS-compliant content repository. Refer to the documentation included with those applications for installation instructions.

> **Note**: P6 supports clustering of the Content Repository only when using WebLogic for the application server.

If you plan to use the P6 EPPM Configuration Wizard to connect P6 EPPM to your content repository, see the *P6 EPPM Content Repository Configuration Guide* for more information about any prerequisites that you may need to complete in your content repository.

For more information about installing and configuring a content repository for P6 EPPM, refer to the *P6 EPPM Content Repository Configuration Guide*.

BI Publisher Installation

Consult BI Publisher documentation for installation instructions. For complete overview information about BI Publisher, go to the following web site: http://www.oracle.com/technetwork/middleware/bi-publisher/documentation/index.html.

Workflows Repository Installation

The Workflows Repository helps users to keep track of project initiations in P6. For P6 users to utilize the project initiation functionality, you must install the supported Workflows Repository application, BPM. Refer to the documentation included with the Oracle BPM application for installation instructions.

Installing the Oracle MDS Schema for BPM

If you are using BPM, you must install the **Oracle MDS schema** using the **Repository Creation Unit (RCU)** on a separate database instance. See the *Tested Configurations* document for supported versions.

Modifying the P6 Environment for BPM

To configure BPM with P6:

1) Create a new directory on the host where P6 is running. For example, **P6BPMConnector/P6** and **P6BPMConnector/BPM**.

In the P6 media pack `Tools\BPM Connector\12c` subfolder, locate the `prm-bpm-connector-12c-v1.0.jar`

1) Copy the connector file listed above to the **P6BPMConnector/P6** folder you created. Determine the location of the BPM installation that you are using to integrate with P6. If you have multiple SOA Suite installations, ensure that you determine the location of the specific installation that you are integrating with P6.

2) Copy all the supporting jars from the BPM installation that you are using to integrate with P6 to the **P6BPMConnector/BPM** folder you created. Their default locations are listed:

   ▸ *<Oracle_Home>*`\soa\soa\modules\oracle.soa.fabric_11.x.x\bpm-infra.jar`

   ▸ *<Oracle_Home>*`\soa\soa\modules\oracle.soa.workflow_11.x.x\bpm-services.jar`

   ▸ *<Oracle_Home>*`\soa\soa\modules\oracle.soa.fabric_11.x.x\fabric-runtime.jar`

   ▸ *<Oracle_Home>*`\oracle_common\modules\oracle.jmx_12.x.x\jmxframework.jar`

   ▸ *<Oracle_Home>*`\oracle_common\modules\oracle.jmx_12.x.x\jmxspi.jar`

   ▸ *<Oracle_Home>*`\soa\bpm\modules\oracle.bpm.mgmt_11.x.x\oracle.bpm.bpmn-em-tools.jar`

   ▸ *<Oracle_Home>*`\soa\soa\modules\oracle.soa.mgmt_11.x.x\soa-infra-mgmt.jar`

   ▸ *<Oracle_Home>*`\wlserver\server\lib\wlclient.jar`

   ▸ *<Oracle_Home>*`\oracle_common\modules\oracle.xdk_12.x.x\xml.jar`

   ▸ *<Oracle_Home>*`\oracle_common\modules\oracle.xdk_12.x.x\xmlparserv2.jar`

▸ *<Oracle_Home>*`\soa\soa\modules\oracle.soa.fabric_11.x.x\tracking-api.jar`

▸ *<Oracle_Home>*`\soa\soa\modules\oracle.rules_11.x.x\rulesdk2.jar`

> **Note:** The jar files must be from the same BPM installation that will be integrated with P6.

Installing IAIK-JCE

IAIK-JCE is a Java Cryptography Extension that has a set of APIs and can implement cryptographic functionality. It is used for supporting additional security functionalities to the JDK. IAIK-JCE libraries can be used to support higher level of encryption while storing/transmitting sensitive information (for example, passwords) in P6 EPPM.

IAIK-JCE is installed when you install P6 EPPM. To allow the P6 EPPM installer to recognize and install IAIK-JCE, you must modify your existing `java.security` settings and copy the `iaik_jce.jar` file to the correct location in *<Java_Home>*.

To prepare IAIK-JCE for installation:

1) Navigate to the following URL:
   http://jce.iaik.tugraz.at/sic/Products/Core-Crypto-Toolkits/JCA_JCE

2) Download and extract `iaik_jce.zip` locally. See Tested Configurations for the supported versions of IAIK-JCE.

3) Navigate to the lib-signed folder and then copy `iaik_jce.jar` to *<Java_Home>*`/jre/lib/ext`.

4) Navigate to *<Java_Home>*`/jre/lib/security` and then add the following to java.security.

`security.provider.11=iaik.security.provider.IAIK`

> **Note:** If the number '11' is being used by another entry, use the next available number.

5) Save and close the file.

6) Complete the instructions in the following topic:
   Setting an Environment Variable for IAIK-JCE (on page 24)

Setting an Environment Variable for IAIK-JCE

Setting the Environment Variables in Microsoft Windows

To set the `JAVA_TOOL_OPTIONS` environment variables in Microsoft Windows:

1) Click **Start**, **Control Panel**, **System**, and then **Advanced system settings**.

2) In the System Properties dialog box, on the Advanced tab, click **Environment Variables**.

3) Add the `JAVA_TOOL_OPTIONS` environment variable:
   a. In the System Variables section, click **New**.

b. In the Variable name field, type `JAVA_TOOL_OPTIONS`.

c. In the Variable value field, type the following:

```
-Dprimavera.encryptor.provider="IAIK"
```

d. Click **OK**.

4) Exit the Control Panel.

Setting the Environment Variables with Unix or Linux

To set the `JAVA_TOOL_OPTIONS` environment variables with Unix or Linux:

1) Set the `JAVA_TOOL_OPTIONS` environment variable by typing the following command:

```
export JAVA_TOOL_OPTIONS=-Dprimavera.encryptor.provider="IAIK"
```

About the P6 EPPM Installation Wizard

Before you run the installation wizard, ensure that you have read the *Prerequisites for P6 EPPM Configuration* (on page 19).

You can install the following with the installation wizard:

▸ P6
▸ P6 Professional Cloud Connect (to connect to an EPPM Oracle database and P6 APIs using a remote method of access)

> **Note:** When you choose to install Cloud Connect, the wizard will also install P6 Integration API (in remote mode) by default.

▸ P6 Integration API (remote mode only)
▸ P6 EPPM Web Services
▸ P6 Team Member (includes P6 Team Member Web and E-mail Statusing Service)

Once you have completed your installation, the P6 EPPM Configuration Wizard will appear. When the configuration wizard appears, you will have the choice to configure your database, WebLogic server, and extra application settings.

In This Section

Installing P6 EPPM Applications

To install the P6 EPPM applications:

1) Download the **Primavera P6 Enterprise Project Portfolio Management <release_level> for <platform>** folder and extract the contents.
2) Go to the location where you extracted the contents, and run one of the following:
   ▸ If you are installing with Windows, navigate to the **P6_R<release_level>\Disk1\install** folder and double-click **setup.exe**.
   ▸ If you are installing with UNIX or Linux, enter the following command:

```
cd P6_R<release_level>/Disk1/install
chmod 755 runInstaller
chmod 755 unzip
./runInstaller
```

3) On the **Welcome** screen, click **Next**.

> **Note**: Click **Next** on each wizard screen to advance to the next step.

4) On the **Specify Home Details** screen, complete the following:
   a. In the **Name** field, enter a name for the installation.
   b. In the **Path** field, browse to the location of the P6 EPPM home folder (for example, C:\P6EPPM_1).

5) On the **Available Product Components** screen, select each component you want to install. Alternatively, if you are reinstalling your P6 EPPM applications for an upgrade, select the components that have Reinstall as the value in the **Install Status** column.
   a. If you are installing P6, select **P6**.

   > **Note**: You can choose **Select All** if you want to install all P6 EPPM applications.

   b. If you are connecting P6 Professional with a P6 EPPM Oracle database, select **P6 Professional Cloud Connect.** This installation option is applicable to only Oracle database users. The wizard will also install P6 Integration API (in remote mode) by default.

   > **Note**: After running the P6 EPPM Configuration wizard, the Configuration Complete screen will display the default URL generated for P6 Professional Cloud Connect. This URL (case-sensitive) must be provided to P6 Professional users to enable them to set up and configure a new database connection to the P6 Professional Cloud Connect server in the P6 Professional database configuration utility.
   >
   > For more details on establishing the *P6 Professional* Cloud Connect database connection in *P6 Professional*, see the *P6 Professional Installation and Configuration Guide (P6 EPPM)*.

   c. If you are installing P6 Integration API, select **P6 Integration API**.

   > **Notes**:
   >
   > - The wizard will install the remote version of P6 Integration API.
   > - If you need to install the local version of P6 Integration API or want to install the client-side packages (which include libraries and documentation for remote mode), see ***Installing Local-mode P6 Integration API*** (on page 29) and the *P6 EPPM and P6 Professional Integration API Programming Guide*.

   d. If you are installing P6 EPPM Web Services, select **P6 Web Services**. The wizard will also install the demo applications for P6 EPPM Web Services.
   e. If you are installing P6 Team Member, select **P6 Team Member**. This will install the files necessary for P6 Team Member Web, E-mail Statusing Service, and the server components for P6 mobile.

   > **Notes**:

- ▪ If you want to use E-mail Statusing Service, see the *P6 EPPM System Administration Guide* when you have completed installing and configuring your other applications.
- ▪ P6 for iOS supports SSL (HTTPS) or HTTP only when it has a certificate signed by a trusted authority.
- ▪ P6 for Android requires SSL (HTTPS) when you are not using SSO authentication. If you are using SSO authentication, you can use HTTP or HTTPS protocols. HTTPS requires a valid certificate from an Android trusted certifying authority.

6) On the **Specify JDK Home** screen, enter or browse to the location where JDK is installed.
7) On the **Summary** screen:
   a. Verify that all of the components that you want to install are listed.
   b. Click **Install**.
8) On the **End of Installation** screen, click **Exit**.

> **Note**: The P6 EPPM Configuration Wizard will appear if the installation was successful.

9) In the **Exit** dialog box, click **Yes**.
10) If you want to use the P6 EPPM Configuration Wizard to configure your P6 EPPM, WebLogic, and other applications, continue to *About the P6 EPPM Configuration Wizard* (on page 33).

   If you want to configure your applications manually, click **Cancel** to exit the configuration wizard. See Where to Go From Here - Pre Configuration Wizard to see what guides you will need to configure your applications manually.

Installing Local-mode P6 Integration API

Before installing the local-mode P6 Integration API, you need to install P6 EPPM. Additionally, you must uninstall any earlier versions of the local P6 Integration API before installing the current version.

The local-mode P6 Integration API Installer provides a wizard to guide you through the installation process, which includes:

- ▸ Choosing the installation mode
- ▸ Installing the P6 Integration API libraries
- ▸ Setting up and configuring the P6 Integration API database

To install local-mode P6 Integration API:

1) Download the P6 Integration API part from the P6 EPPM media pack and then extract it.
2) Depending on your operating system, change your directory to the media pack part by running one of the following:
   - ▸ With Windows, navigate to the **win\Disk1\install** directory and double-click **setup.exe**.
   - ▸ With UNIX or Linux, do the following:
   a. Change your directory using the following command:

```
cd <Operating_System>\Disk1\install
```

> where <Operating_System> is either **solaris_64** or **linux64**.

b. Enter the following commands:

```
chmod 755 runInstaller
chmod 755 unzip
./runInstaller
```

c. Click **Next**.

3) On the **Welcome** screen, click **Next**.

4) On the **Select the Installation Type** screen, specify the installation mode.

▸ **Local Mode Packages Only**: Choose this option to use the P6 Integration API in local mode, without Java RMI.
This option installs database configuration tools and javadoc.

▸ **Client Side Packages Only**: Choose this option to install client-side libraries and documentation. This option is required for the remote API.

Notes:

- The maximum number of clients that can access a remote server at one time is approximately 50. This number might be less, depending on multiple factors (for example, system hardware, network configuration, and so on)

- When using the P6 Integration API in Remote Mode with the client and server in different time zones, the time of day fields in the client are based on the local time by default (not the server time). If you want the times to match, you can first set the time zone in your client code to be the same as the server time zone for each thread that calls P6 Integration API code.

5) In the **Specify Home Details** screen:

a. In the **Name** field, enter a name for the P6 Integration API.

b. In the **Path** field, specify the installation location for the P6 Integration API files.

c. Click **Next**.

6) In the **Available Product Components** screen, select the components to install and click **Next**.

7) In the **JDK Home Directory** screen, enter or browse to the location where JDK is installed.

8) In the **Summary** screen, click **Install**.

Notes:

- If you installed the local mode package, the **Configuration Assistants** screen appears after the installation finishes. Do not close this screen. After a short time, the **Database Configuration** dialog box opens.

- If you installed the client side package, your installation is complete. You can exit the wizard now and skip the remaining steps in this section.

9) In the **Database Configuration** dialog box:

a. Choose the database type: **Oracle** or **Microsoft SQL Server**.

Note: You can later change the database type through the P6 Integration API Database Configuration Setup wizard.

b. Click **Next**.

c. Specify the database connection parameters.

d. Click **Next**.

Note: The P6 Integration API requires pubuser access (in the **User Name** field) to the database. The database name, host address, and host port are specific to your Oracle or Microsoft SQL Server installation. Database Host Port displays the default port for the database type you selected. You can edit this port.

e. If the installer detects an existing configuration screen, choose the appropriate action.

Notes:

- If your site includes P6, you can share a new P6 Integration API configuration with P6. However, P6 cannot share an existing configuration with P6 Integration API because it will not support the new P6 Integration API configuration settings.

- If a configuration does not exist, the **The installer has detected an existing. . .** screen does not appear and the installation process automatically creates a default configuration named Primavera Configuration. You can edit the settings for this configuration through the Primavera P6 Administrator.

- After installation, you can use the Database Configuration Setup wizard to choose or create a different configuration.

- See the *P6 EPPM System Administration Guide* for more information about configurations.

10) When the message displays to confirm the database configuration has completed successfully, click **OK**.

Click **Exit**.

Where to Go From Here - Pre Configuration Wizard

The configuration process provides you with several options to configure your applications to work with P6 EPPM. The following sections describe your options.

Using the P6 EPPM Configuration Wizard To Configure P6 EPPM

Oracle recommends you use the P6 EPPM Configuration Wizard to configure P6 EPPM, its applications, and WebLogic. With this option, you can install or upgrade your database, deploy your P6 EPPM applications in WebLogic, and configure a content repository, BI Publisher, and BPM to work with P6. Continue to **About the P6 EPPM Configuration Wizard** (on page 33) to use this option.

Manually Configuring Your Applications

Database

You can manually install or upgrade your database. If you want to install or upgrade your database manually, you can still use the wizard to deploy your P6 EPPM applications in WebLogic and configure a content repository, BI Publisher, and BPM to work with P6.

If you want to install or upgrade your database manually, see the *P6 EPPM Installation and Configuration Guide* for your database.

P6 EPPM Applications

You can manually deploy your P6 EPPM applications in WebLogic. Depending on which applications you are using, use the following:

▸ *P6 Server Configuration Guide*
▸ *WebLogic Configuration Guide*

Additional Applications

You can also use the Primavera P6 Administrator to connect additional applications to P6. Depending on your application, use the following:

▸ *P6 EPPM BI Publisher Configuration Guide*
▸ *P6 EPPM BPM Configuration Guide*
▸ *P6 EPPM Content Repository Configuration Guide*
▸ *P6 EPPM Oracle Identity Manager Configuration Guide*
▸ *Primavera Oracle Access Manager Configuration Guide*
▸ *Primavera Oracle Enterprise Manager Configuration Guide*

About the P6 EPPM Configuration Wizard

The P6 EPPM Configuration Wizard will allow you to:

▸ Install or upgrade your database.
▸ Deploy your P6 EPPM applications in WebLogic and setup managed servers.
▸ Configure BI Publisher, BPM, and your content repository (WCCC, Microsoft SharePoint, Oracle Database, or CMIS) with P6.

Use the P6 EPPM Configuration Wizard to configure your suite. Before running the configuration wizard, consider the following:

▸ You must be on an Oracle server or Microsoft SQL Server.
▸ You must have a JDK installed. See the *Tested Configurations* document for information on supported versions.

> **Note:** To manually launch the P6 EPPM Configuration Wizard, use **eppmconfig.cmd** (for Windows) **eppmconfig.sh** (for UNIX / Linux) from the P6 EPPM installation folder at `<P6 EPPM_home>\P6EPPM_1\p6`.

On the **Welcome** screen, click **Next** if you want to use the wizard to configure your suite. Click **Cancel** if you want to configure your applications manually.

In This Section

Configuring Your Database

To use this wizard, you must either install or upgrade your database, or, already have the latest database installed. If you want to manually install or upgrade your database, leave the P6 EPPM Configuration Wizard open and go to the *Manually Installing the P6 EPPM Database* or *Manually Upgrading the P6 EPPM Database* guides. If you want to automatically install or upgrade your database, continue to the next section.

Using the Database Configuration Screen

On the **Database Configuration** screen:

1) Choose one of the following:

   ‣ Select **Create a new P6 EPPM database** if you are creating a new database.

   Select the **Install Sample Projects** option if you want to include sample project data in a non-production database. If you do not select the Install Sample Projects option, the P6 EPPM database loads empty data in a secure state and includes only the most basic information needed to run.

   ‣ Select **Upgrade an existing P6 EPPM database** if you are upgrading your database.

   ‣ Select **Connect to an existing P6 EPPM <release_level> database** if you already installed a database and want to configure your applications with it.

2) Click **Next**.

Using the Database Type & Connection Screen

On the **Database Type & Connection** screen:

1) For the **Database Type** option, choose one of the following:

   ‣ **Oracle**

   ‣ **Microsoft SQL Server**.

2) In the **Database Host Address** field, enter the server machine name or IP address where you installed the database.

3) In the **Database Host Port** field, enter or verify the port number for your database.

   The default for Oracle is 1521.

   The default for Microsoft SQL Server is 1433.

4) In the **DBA** (when installing or upgrading) or **Public** (when connecting to an upgraded database) **Username** field, enter or verify your user name.

   The default username for Oracle is 'system'.

   The default username for Microsoft SQL Server is 'sa'.

   The default public username is 'pubuser'.

5) In the **DBA** (when installing or upgrading) or **Public** (when connecting to an upgraded database) **Password** field, enter the password to log in to the database.

6) In the **Database Name** field:

   a. Enter the name of your database.

   b. Select **SID** (for example, orcl) or **Service** (for example, orcl.us.oracle.com) based on the database you installed.

7) Click **Next**.

> **Note:** The **Configure Oracle Read Only User** option is only intended for use with cloud installations.

Using the Database User Validation Screen for an Oracle Database

Use one of these chapters based on your database version:

▶ For 7.0 and earlier

Using the Database User Validation Screen When Upgrading from a 7.0 and Earlier Oracle Database (on page 35)

▶ For 8.0

Using the Database User Validation Screen When Upgrading from an 8.0 Oracle Database (on page 35)

▶ For 8.1

Using the Database User Validation Screen When Upgrading from an 8.1 or Later Oracle Database (on page 35)

Using the Database User Validation Screen When Upgrading from a 7.0 and Earlier Oracle Database

On the **Database User Validation** screen:

1) In the **Privileged Username** field, select your privuser name.
2) In the **Public Username** field, select your pubuser name.
3) In the **Public User Password** field, enter your pubuser password.
4) In the **Background Username** field, create a bgjobuser name.
5) In the **Background User Password** and **Confirm Password** fields, enter a bgjobuser password.
6) In the **Reporting Username** field, create a pxrptuser name.
7) In the **Reporting User Password** and **Confirm Password** fields, enter a pxrptuser password.
8) Click **Next**.

Using the Database User Validation Screen When Upgrading from an 8.0 Oracle Database

On the **Database User Validation** screen:

1) In the **Privileged Username** field, select your privuser name.
2) In the **Public Username** field, select your pubuser name.
3) In the **Public User Password** field, enter your pubuser password.
4) In the **Background Username** field, select your bgjobuser name.
5) In the **Background User Password** field, enter your bgjobuser password.
6) In the **Reporting Username** field, create a pxrptuser name.
7) In the **Reporting User Password** and **Confirm Password** fields, enter a pxrptuser password.
8) Click **Next**.

Using the Database User Validation Screen When Upgrading from an 8.1 or Later Oracle Database

On the **Database User Validation** screen:

1) In the **Privileged Username** field, select your privuser name.
2) In the **Public Username** field, select your pubuser name.
3) In the **Public User Password** field, enter your pubuser password.
4) In the **Background Username** field, select your bgjobuser name.
5) In the **Background User Password** field, enter your bgjobuser password.
6) In the **Reporting Username** field, select pxrptuser name.
7) In the **Reporting User Password** field, enter your pxrptuser password.
8) Click **Next**.

Using the Database User Validation Screen for a Microsoft SQL Server Database

Use one of these chapters based on your database version:

▸ For 8.0 or earlier
▸ For 8.1 or later

Using the Database User Validation Screen when Upgrading from an 8.0 or Earlier Microsoft SQL Server Database

On the **Database User Validation** screen:

1) In the **Public Username** field, select your pubuser name.
2) In the **Public User Password** field, enter your pubuser password.
3) In the **Use Existing Reporting User** field, select the option if you already have a pxrptuser that you want to use.
4) In the **Reporting Username** field, enter a pxrptuser name.
5) In the **Reporting User Password** and **Confirm Password** fields, enter a pxrptuser password.
6) Click **Next**.

Using the Database User Validation Screen when Upgrading from an 8.1 or Later Microsoft SQL Server Database

On the **Database User Validation** screen:

1) In the **Public Username** field, select your pubuser name.
2) In the **Public User Password** field, enter your pubuser password.
3) In the **Reporting Username** field, select a pxrptuser name.
4) In the **Reporting User Password** and **Confirm Password** fields, enter a pxrptuser password.
5) Click **Next**.

Configuring Your WebLogic Server with P6 EPPM

In this section, you will configure the P6 EPPM applications you installed with the installation wizard. The P6 EPPM Configuration Wizard will set up managed servers and deploy your P6 EPPM applications in the WebLogic domain that you installed.

Using the P6 Configuration Settings Screen

On the **P6 Configuration Settings** screen:

1) Do one of the following:

   ‣ If a P6 configuration does not exist, in the **Create a new configuration** field, enter your new configuration name.

   ‣ If you already created a configuration, choose it from the **Use an existing configuration** option, or create a new configuration.

   > **Note**:
   >
   > - If you are upgrading from a previous version of P6 against the same database, choose the option to create a new configuration. This is necessary to accommodate new configuration settings. See the *P6 EPPM System Administration Guide* for more information about configurations and the Primavera P6 Administrator.
   > - You can edit the settings for this configuration through the Primavera P6 Administrator.

2) Click **Next**.

Using the Application Server Configuration Screen

On the **Application Server Configuration** screen:

1) Select the **Configure WebLogic** option.

   > **Notes**:
   >
   > - If you do not want to configure WebLogic right now, ensure the **Configure WebLogic** option is clear and click **Next** to continue to the next screen. If you want to configure WebLogic manually, refer to the *P6 Server Configuration Guide*.

2) Choose one of the following:

   ‣ **Create a new WebLogic domain** if you are creating a new domain.

   ‣ **Use an existing WebLogic domain** if you already have a WebLogic domain.

   > **Note**: This is the domain where the wizard will create your managed servers for each application.

3) (Optional) Select **Deploy Oracle WSM Policy Manager** if you are integrating with BPM and or select **Configure WSM Policy for P6WebServices** if you are configuring OWSM authentication for P6 EPPM Web Services. For more information, refer to the *P6 EPPM Web Services Programming Guide*.

> **Note:** By default, the configuration wizard deploys P6 EPPM Web
> Services with the oracle/wss_username_token_server_policy OWSM
> policy. This policy does not contain message protection and encryption
> and needs additional configuration to enable either. Refer to *Adding
> Additional Policies to Oracle Web Services Manager* in the *P6 EPPM
> System Administration Guide* for details on configuring additional OWSM
> policies.

4) Click **Next**.

Using the Configure WebLogic Screen

On the **Configure WebLogic** screen:

1) In the **WebLogic Server Home** field, verify or choose the location of your WebLogic home. For example, *C:\Oracle\Middleware\Oracle_Home*.
2) In the **Domain Home** field, enter or verify your WebLogic domain home name.
3) In the **Port** field, enter or verify the port number that your WebLogic domain is using. The default port is 7001.
4) In the **Administration Username** field, create or verify your administrative user name for the WebLogic domain you defined on the previous screen.
5) In the **Password** and **Confirm Password** fields, enter the password for your administrative username.
6) Click **Next**.

Connecting Applications to P6 EPPM

If you installed a content repository, BI Publisher, or BPM, you can use the P6 EPPM Configuration Wizard to configure these applications to work with P6 EPPM. The settings in this wizard correspond to the settings in the Primavera P6 Administrator.

> **Notes**:
>
> - You can configure the settings for these applications later in the Primavera P6 Administrator. See *Manually Configuring Your Applications* (on page 32) for the guides you will need.
> - If you are using an existing P6 configuration, the wizard will skip the content repository, BI Publisher, and BPM screens.

Using the Content Repository Selection Screen

On the **Content Repository Selection** screen:

1) Select the **Connect to a Content Repository** option.

> **Note**: If you would rather configure your content repository manually or do not have a content repository installed, ensure the **Connect to a Content Repository** option is clear and click **Next**. See the *P6 EPPM Content Repository Configuration Guide* for more information.

2) Select one of the following:
   - **Oracle Webcenter Content Core Capabilities**
   - **Microsoft SharePoint**
   - **CMIS compliant content repositories**
   - **Oracle Database**

   > **Notes:**
   >
   > - If you select Oracle Database, you will not need to configure your database as a content repository in the P6 EPPM Configuration Wizard.
   > - If you want to configure Microsoft SharePoint with P6, you must configure it with your CMIS-compliant content repository and then select **CMIS** for this step. See your CMIS-client content repository documentation for information about how to configure your CMIS-compliant content repository with Microsoft SharePoint.

3) Click **Next**.

Using the Content Repository Configuration Screen for Oracle Webcenter Content Core Capabilities

On the **Content Repository Configuration** screen:

> **Note**: Ensure the settings you entered in when you configured the content repository match the settings you enter below.

1) In the **Host** field, enter the machine name or IP address of the content repository server.
2) In the **Port** field, enter the IntradocServerPort number of the content repository server. By default, this is 4444. To find the port number:
   a. Navigate to *WCCC_Home*`\ucm\cs\config\`.
   b. Open the **config.cfg** file.
   c. Find the IntradocServerPort line, which contains the port number.
3) In the **Oracle Home** field, enter the path to the P6 EPPM content repository files on the content repository server, as specified when you configured your content repository. This setting is required.

Example:

//Contribution Folders/Production/Oracle Primavera/

4) In the **Oracle Security Group** field, enter the name of the Security Group assigned to the document folder created in WebCenter for P6 EPPM documents, as specified when you configured the content repository.

5) In the **Oracle Security Account** field, enter the name of the Security Account for P6 EPPM documents, as specified when you configured the content repository.

If you did not enable security accounts, leave this setting blank.

6) In the **Oracle Document Type** field, enter the document type for P6 EPPM documents, which can be either an existing document type or a new one, as specified when you configured the content repository.

For example:

Enter the Document Type as Document.

7) In the **Metadata Prefix** field, enter the prefix added to P6 EPPM metadata fields, as specified when you configured the content repository.

8) In the **Admin User** field, enter the user name with administrative privileges, as specified when you configured the content repository. This setting is required.

9) In the **Authentication Mode** field, enter authentication mode used to access the content repository server. P6 EPPM users cannot access content repository functions if you do not configure this setting.

If you choose "Multiple User", all P6 EPPM content repository-related user names must match the equivalent content repository user name. For example, a P6 EPPM user named "Joe" must have an equivalent user named "Joe" in the content repository. If you choose "Single User", the administrative user specified in the setting above must have access to all appropriate Security Groups to browse to documents outside of the P6 EPPM home folder.

10) Click **Next**.

Using the Content Repository Configuration Screen for CMIS

On the **Content Repository Configuration** screen:

1) In the **Login Name** field, enter the user name for your content repository.

2) In the **Password** field, enter the password for the user name you entered above.

3) In the **Authentication Mode** field, enter authentication mode used to access the content repository server. P6 EPPM users cannot access content repository functions if you do not configure this setting.

If you choose "Multiple User", all P6 EPPM content repository-related user names must match the equivalent content repository user name. For example, a P6 EPPM user named "Joe" must have an equivalent user named "Joe" in the content repository.

If you choose "Single User", the administrative user specified in the setting above must have access to all appropriate Security Groups to browse to documents outside of the P6 EPPM home folder.

4) In the **Repository Name** field, enter the name for your content repository.

5) In the **Document Home** field, enter the location of your documentation home where you want to store P6 documents.

6) In the **Web Service URL** field, enter the URL for your web services home.

Using the Content Repository Configuration Screen for Microsoft SharePoint

On the **Content Repository Configuration** screen:

> **Note**: Ensure the settings you entered in Troubleshooting the SharePoint connector match the settings you enter below.

1) In the **Login Name** field, enter a SharePoint user name with administrative privileges.

> **Note**: You do not need to include your domain. You just need your user name.

2) In the **Password** field, enter the password for the SharePoint login name.
3) In the **Authentication Mode** field, select the mode used to connect to the SharePoint content repository database. P6 EPPM users cannot access content repository functions if you do not configure this setting.

   If you choose "Multiple User", all P6 EPPM content repository-related user names must match the equivalent SharePoint user name. For example, a P6 EPPM user named "Joe" must have an equivalent user named "Joe" in SharePoint.

   If you choose "Single User", the administrative user specified in the setting above must have access to all appropriate SharePoint libraries to browse to documents outside of the P6 EPPM home folder.

4) In the **Host Name** field, enter the machine name or IP address of the SharePoint server.
5) In the **Domain** field, enter the domain where the SharePoint server resides.
6) In the **Document Library URL** field, enter the URL of the P6 EPPM document library on SharePoint that you created when you configured SharePoint. The URL includes the machine name (or IP address) of the content repository server and the path to the content repository library.

   Example format:

   http://*<hostname>:<port>/<domain>/<doclib>*

   > **Note**:
   > - Do not put a / at the end of the URL.
   > - Ensure there are no spaces in the URL.

7) In the **Web Service URL** field, enter the URL of the Web Service used to connect P6 EPPM to SharePoint, as specified when you configured SharePoint. The URL includes the machine name (or IP address) of the content repository server, port number of the server, and web service name.

   Example format:

   http://*<hostname>:<port>/WS_FPRPC*

   > **Note**: Do not put a / at the end of the URL.

8) In the **External Document Library URL** field, enter the URL of an external document library. If you need to connect to a non-P6 EPPM document library, you must configure this setting.

   Example format:

   http://*<hostname>:<port>/<extdoclib>*

   > **Note**: Do not put a / at the end of the URL.

9) Click **Next**.

Using the BI Publisher Screen

On the **BI Publisher** screen:

1) Select the **Connect to BI Publisher** option.

   > **Note**: If you would rather configure BI Publisher manually or do not have BI Publisher installed, verify the **Connect to BI Publisher** option is clear and click **Next**. See the *P6 EPPM BI Publisher Configuration Guide* for more information.

2) In the **Server URL** field, enter the URL used to connect to the BI Publisher web service to P6. For example,
   `http://serverIP:port/xmlpserver/services/PublicReportService`

3) In the **Version** field, enter the version of BI Publisher that you want to integrate with P6.

4) In the **Folder Paths** field, enter the relative path to the BI Publisher P6 reports folder where P6 will search for reports.

   Example format (the forward slash is required):

   /P6REPORTS

   > - **Note**: You can find the relative path (for example, /P6Reports) in the following folder:
   >   `%weblogic_home%\user_projects\domains\bifoundation_`
   >   `domain\config\bipublisher\repository\Reports`

5) In the **Admin Username** field, enter a BI Publisher web services user name with administrative privileges (for example, PxRptUser).

6) In the **Password** field, enter the password for the administrative user name.

7) In the **Personal Folders** field, select the option (true) to enable personal folders per user. If you do not want to use personal folders, leave the option clear. Users have their own personal folders where they can store their objects. Only the user who created and saved the content in the folder can access the folder.

8) In the **Scrub Username** field, select the option (true) to enable the setting or leave it clear (false) to ensure it is disabled.

   This setting controls whether special characters (non-alphanumeric) are removed from the user name when connecting to BI Publisher. The default is 'false,' meaning special characters will not be removed.

If you are using the P6 EPPM Extended Schema for BI Publisher reporting, leave the setting as false.

If you are using the P6 ODS Schema for BI Publisher reporting, change the setting to true. Setting the value to true will allow the user's security context (user name) to format properly before it goes to BI Publisher. This allows reporting queries to perform against the ODS tables.

9) In the **Cache Timeout** field, enter how long cached report definitions should appear.

   The default is 1d.

10) Click **Next**.

Using the BPM Workflows Screen

On the **BPM Workflows** screen:

1) Select the **Connect to BPM** option.

   > **Note**: If you would rather configure BPM manually or do not have BPM installed, ensure the **Connect to BPM** option is clear and click **Next**. For more information, see the *0P_ProdName_P6_Suite> BPM Configuration Guide*.

2) In the **Connector file location** field, enter the full path (including the file name) where you copied the connector files.

   For example:

   `c:/Software/BPMJars/eppmjars/prm-bpm-connector-12c-v1.0.jar`

3) In the **BPM library path** field enter the directory where you copied all the jars.

   > **Notes**:
   >
   > - To satisfy these requirements, this admin setting can contain multiple path elements. You must separate multiple path elements with a semicolon. For example: C:\Software\BPMJars;C:\Software\BPMJars
   > - If the above settings are incorrect or the BPM jar files are incomplete, you will see an error message when you try to configure BPM. Verify that your settings and jar files are correct.

Using the BPM Configuration Screen

On the **BPM Configuration** screen, add the following settings:

1) In the **bpm.user** field, enter the BPM 12.1.3 user with administrative access to BPM.

2) In the **bpm.password** field, enter the password for the user.

3) In the **bpm.t3.url** field, enter the T3 URL for your Oracle SOA configuration. For example: `t3://<host_name>:<port>/soa-infra`

4) In the **bpm.security.realm** field, enter the name of the security realm used by BPM. This is `jazn.com` by default.

5) In the **bpm.soap.url** field, enter the URL for the SOAP services. Usually this URL takes the form of `http://<host_name>:<port>`.

6) In the **bpm.workspace.url** field, enter an address in the form of `http://<host_name>:<port>` that indicates where the BPM Workspace application is hosted.

> **Note**: The host can be an IP address or a host name such as a machine name.

7) In the **bpm.partition** field, enter the name of the SOA partition containing the BPM composite applications you would like to use in P6. The default partition name is `default`.

8) Click **Next**.

Completing Your P6 EPPM Installation

Once you have finished entering your configuration settings, you can verify all the applications you configured. Once you click **Configure**, the wizard will setup your P6 EPPM environment and start WebLogic. After the wizard finishes, you will be able to login and use all of your applications.

Using the Configuration Review Screen

On the **Configuration Review** screen:

1) Verify all your configuration settings are correct.
2) Click **Next**.
3) On the **Acknowledgment** dialog box, click **OK** to confirm you have read the information.

   If you are upgrading from P6 8.2 or lower version and have been using a content repository configured with P6, you will need to run the **Document Migration Utility** located in P6 home after the installation completes.

4) On the **Start Configuration?** dialog box, click **Yes** to confirm you want the wizard to configure your applications.

   Click **No** if you do not want to continue with the configuration.

Using the Configuration Progress Screen

On the **Configuration Progress** screen, the wizard will let you know when each item is configured. The configuration process will take several minutes. When the configuration is done, all of your applications will have a green check next to them.

The configuration wizard will do any of the following based on the selections you made in the previous screens:

- ▶ Create your database.
- ▶ Create or upgrade the Primavera Configuration.
- ▶ Create a WebLogic domain.
- ▶ Create bootstrap files for your applications.
- ▶ Create managed servers and deploy the applications you installed into them.
- ▶ Configure integrations with other servers for the content repository, BI Publisher, and BPM.
- ▶ Configure URLs to the P6 Help in the Primavera P6 Administrator.

➤ Create Start menu items for P6 EPPM URLs and start/stop scripts.
➤ Sets your parameters in WebLogic.

For example, it will set your bootstrap variables and Java heap settings for you. This will connect P6 to your other P6 EPPM applications and ensure that your environment is set up for optimal performance.

When the configuration wizard completes this process:

1) Note the location of the log file. Use the log file to view what happened during setup and see what went wrong if an error occurred.
2) Click **Next**.

Using the Configuration Complete Screen

On the **Configuration Complete** screen:

1) Click any link to go to the default URL for each of your applications.
2) Click the **Save Configuration** button.

> **Note**: The HTML file you save contains the default URLs and other information for your P6 EPPM applications.

    a. Choose a location where you want to store your HTML file (Oracle recommends using the P6 EPPM directory you created when you installed your applications).
    b. In the **File Name** field, verify or enter a name for your configuration HTML file.
    c. Click **Save**.
    d. On the **Configuration Saved Successfully** dialog box, click **OK**.
3) Click **Finish**.

> **Note**: Once you click **Finish**, the wizard will start WebLogic for you so you can begin using your applications instantly.

Default Locations Created by the Wizard

The configuration wizard creates the following defaults.

Oracle Primavera EPPM Home

➤ C:\p6eppm_1\
➤ Holds all your P6 EPPM applications folders and files

> **Note**:
> ▪ The local drive location is the default the wizard provides. If you changed it, it will be noted in the HTML file you saved in ***Using the Configuration Complete Screen*** (on page 45).
> ▪ You will need to enter your IP address where it says 'server' in the URLs below.

▸ **WebLogic Administration Console**

  Port: 7001

  URL: http://server:7001/console

▸ **P6**

  Port: 8203

  URL: http://server:8203/p6

▸ **P6 Integration API**

  Port: 8205

  URL: http://server:8205/PrimaveraAPI

▸ **P6 EPPM Web Services**

  Port: 8206

  URL: http://server:8206/p6ws/services

▸ **P6 mobile**

  Port: 8207

  URL: http://server:8207/p6tmws

> **Note**: This is the URL you will enter when you sign into the P6 mobile app on your mobile device. The actual URL will not work in a browser.

▸ **P6 Team Member Web**

  Port: 8207

  URL: http://server:8207/p6tmweb

▸ **E-mail Statusing Service**

  File Name: p6tm-email-service.zip

  Default Location: C:\P6EPPM_1\tmws or /usr/P6EPPM_1/tmws

Note: You will have to unzip the file and configure the email services before you can update status through email. See the *P6 EPPM System Administration Guide*.

▸ **P6 Professional Cloud Connect**

  Port: 8208

  URL: http://server:8208/p6procloudconnect

> **Note:** This URL (case-sensitive) must be provided to P6 Professional users to enable them to setup and configure a new database connection to the P6 Pro Cloud Connect service in the P6 Professional database configuration utility.
>
> For more details on establishing the P6 Pro Cloud Connect connection in P6 Professional, see the *P6 Professional Installation and Configuration Guide (P6 EPPM)*.

Configuring the Microsoft SQL Server Database

To verify that the isolation level setting on the upgraded database has been set to "read committed snapshot":

1) Open Microsoft SQL Server Management Studio.

2) Open a new query window for the updated database and execute the following command:

```
dbcc useroptions
```

3) Look for **isolation level** in the Set Option column and verify that the value is set to **read committed snapshot**.

4) If the value is **read committed snapshot**, you do not need to do anything. If the value is set to **read committed**, proceed to step 5.

> **Caution:** Only the connection executing the alter database command is allowed in the database. You must close all connections in the database until the execution of the command finishes.

5) Execute the following command to fix the isolation level setting:

```
alter database database name set read_committed_snapshot on
```

Your database is now ready to use with P6 Professional 16 R2.

Post-Upgrade Procedures

Consider the following after you upgrade your database.

Creating a New Primavera P6 Administrator Configuration

To create a Primavera P6 Administrator configuration:

1) Do one of the following:

   ‣ On Windows platforms, run `dbconfigpv.cmd` (located in the *p6home* directory that you specified when installing P6).

   ‣ On UNIX platforms, change to the *p6home* directory that you specified when installing P6, and run `dbconfigpv.sh`.

2) On the Setup and Configuration of the Primavera P6 Database dialog box, select the database type.

3) On the Please enter the following information. . . dialog box:

   a. Specify the database connection parameters. Type your database user name (for example, pubuser) and password, the database name, host address, and host port. The database name, host address, and host port are specific to your database installation. The Database Host Port field displays the default port for the database type you selected. You can edit this port.

b. To use the SSL protocol to securely communicate between the P6 application server and the database server, select the SSL option. If you select the SSL option, you must specify an SSL-enabled port number in the Database Host Port field.

> **Notes:**
>
> ▪ See the appropriate database server documentation and the My Oracle Support's Knowledge Articles for information on configuring SSL.
> ▪ Using the SSL protocol will impact database performance.

c. Ensure that the Public Group ID is 1 for a standard configuration.

4) Select **Create a new configuration** and then enter the name of your new configuration (for example, Team Member Configuration).

5) Click **Next**.

6) Click **OK**.

Updating an Existing Primavera P6 Administrator Configuration

To update an existing Primavera P6 Administrator configuration:

1) Do one of the following:
    - On Windows platforms, run `dbconfigpv.cmd` (located in the *p6home* directory that you specified when installing P6).
    - On UNIX platforms, change to the *p6home* directory that you specified when installing P6, and run `dbconfigpv.sh`.

2) On the Setup and Configuration of the Primavera P6 Database dialog box, select the database type.

3) On the Please enter the following information dialog box:
    a. Specify the database connection parameters. Type your database user name (for example, pubuser) and password, the database name, host address, and host port. The database name, host address, and host port are specific to your database installation. The Database Host Port field displays the default port for the database type you selected. You can edit this port.
    b. To use the SSL protocol to securely communicate between the P6 application server and the database server, select the SSL option. If you select the SSL option, you must specify an SSL-enabled port number in the Database Host Port field.

    > **Notes:**
    >
    > ▪ See the appropriate database server documentation and the My Oracle Support's Knowledge Articles for information on configuring SSL.
    > ▪ Using the SSL protocol will impact database performance.

    c. Ensure that the Public Group ID is 1 for a standard configuration.

4) Select **Use an existing configuration** and then select a configuration from the list.

5) Click **Next**.

6) Click **OK**.

Migrating the Content Repository if Upgrading

Run the migration utility before connecting the upgraded environment back to the Content Repository. Running the migration utility will ensure all project folder names in the Content Repository change from Database IDs to their Project ID field (from P6).

If you upgraded P6 from a previous version, you must:

1) Go to the **P6EPPM_Home/p6** folder.
2) Run **migrationtool.cmd** or **migrationtool.sh** (based on your operating system).

Upgrading from Previous Universal Content Management Version to WCCC

If you were using a previous version of Universal Content Management (UCM), you will notice many changes when you upgrade to a supported version of WCCC. To maintain your documents from P6, you should ensure that your framework folder has updated correctly. To do this, you should:

1) Shutdown all the P6 applications connecting to your current content repository.
2) Run the migration utility.
   a. Go to the **P6EPPM_Home/p6** folder.
   b. Run **migrationtool.cmd** or **migrationtool.sh** (based on your operating system).

   > **Note**: **Users** is a restricted folder name for folders within the folder structure in supported versions of WCCC.

3) Note the folder database converts project IDs to project short names.
4) Upgrade a previous version of UCM or WCCC to a supported version of WCCC or higher using the upgrade guide provided with the WCCC media packs.
   a. Enable the framework folders components.
5) After the migration:
   a. Locate the **migration_run****** folder that was created.
   b. Move all the folders and documents under this folder to the Content repository home folder that you want to use.
   c. Ensure you select **inhibit propagation** to ensure proper movement of documents and folders.
6) After the move completes, you can start using the documents with the correct content repository home.

Tips
▸ Have 4-6 GB open memory space.
▸ Don't propagate changes when given the option.

Start the Application Server

Before you can use P6 EPPM after your upgrade, you must restart your application server.

Starting WebLogic for P6 EPPM Applications

To start WebLogic:

1) Navigate to the *<weblogic_home>*/`user_projects/domains/`*<your_domain>* directory.
2) Run the startWebLogic script.
   ‣ `startWeblogic.cmd` on Windows machine
   ‣ `startWeblogic.sh` on Unix machine
3) If prompted for a user name and password in the WebLogic console window, type in the administrative user name and password you specified when creating the domain.

Creating a Project Template From Projects

After you have converted your Methodology Management data to projects and upgraded your database, you can create your project templates.

To create a project template:

1) Click **Projects**.
2) On the **Projects** navigation bar, click **EPS**.
3) On the **EPS** page, click the **Actions** ▼ menu and select **Add ‣ Add Project Template**.
4) In the **Add Project Template** dialog box, choose the **General** tab.
5) On the **General** tab:
   a. In the **Template ID** field, type in a unique ID for the template.
   b. In the **Template Name** field, type in a unique name for the template.
   c. In the **EPS** field, click the corresponding and choose the EPS where you want to store the template.
   d. In the **Responsible Manager** field, click the corresponding and choose a responsible manager.
   e. In the **Copy from existing project or template field**, click the corresponding and choose the methodology project you created in *Converting Methodologies to Projects* (on page 16).
   f. Click **Create**.

Requirements After the Upgrade from R8 or later to 16 R2

The following list summarizes the procedures you need to perform after upgradingP6 EPPM:

User Name and Password Procedures

▸ For security reasons, Oracle strongly recommends that you replace the default database users' (admuser, privuser, pubuser, bgjobuser, and PxRptUser) passwords immediately after a manual database installation or an upgrade from P6 version 7.0 and earlier. Do not use special characters in the database name, privileged user, public user, or PX Reporting user name for example: { } [ ] : ; < > , . ? ! @ # $ % ^ & * ( ) - _ | / \ ~ `

▸ Oracle recommends using strong passwords. Strong passwords in P6 EPPM contain between 8 and 20 characters and at least one numeric and one alpha character. To further strengthen the password, use a mixture of upper and lower case letters.

▸ See Modifying Private Database Logins for P6 EPPM for instructions on how to replace the private database login. For all other database user names and passwords, use the tools included with the database.

Application Configuration Procedures

▸ Install the new P6, P6 Professional, and any additional components.

▸ Assign new or modified privileges to users. See information about defining global security and project security profiles in the *P6 EPPM Application Administration Guide.*

Requirements After the Upgrade from Version 6.2.1 through 7.0 to 16 R2

The following list summarizes the procedures required and recommended to perform AFTER upgrading P6 EPPM:

User Name and Password Procedures

▸ For security reasons, Oracle strongly recommends that you replace the default database users' (admuser, privuser, pubuser, bgjobuser, and PxRptUser) passwords immediately after a manual database installation or an upgrade from P6 version 7.0 and earlier. Do not use special characters in the database name, privileged user, public user, or PX Reporting user name for example: { } [ ] : ; < > , . ? ! @ # $ % ^ & * ( ) - _ | / \ ~ `

▸ Oracle recommends using strong passwords. Strong passwords in P6 EPPM contain between 8 and 20 characters and at least one numeric and one alpha character. To further strengthen the password, use a mixture of upper and lower case letters.

▸ See Modifying Private Database Logins for P6 EPPM for instructions on how to replace the private database login. For all other database user names and passwords, use the tools included with the database.

Application Configuration Procedures

▸ Install the new P6, P6 Professional, and any additional components.

▶ Starting with P6 EPPM R8, all recurring job service functions are hosted by P6. Due to this change, after upgrading to P6 EPPM R8 or later, you must configure Scheduled Services settings in the Primavera P6 Administrator to use this functionality. Also, if you're upgrading from version 7.0 or earlier, you must RESUMMARIZE ALL PROJECTS to accurately reflect your summary data. See the *P6 EPPM System Administration Guide* for information on Scheduled Services and configuring separate servers for job services.

▶ Assign new or modified privileges to users. See information about global and project security profiles in the *P6 EPPM Application Administration Guide.*

▶ All previously defined module access (except Contributor module access (formerly Team Member)), security profiles, OBS access, and resource security settings will still apply to existing users after the database upgrade. For users who had Contributor and P6 Professional module access, they will keep their access during the database upgrade; however, once you edit these users post-upgrade, P6 will remove Contributor module access to comply with P6 EPPM functionality. The upgrade process will remove only Contributor access during the upgrade if users had Contributor and additional module access assignments other than P6 Professional; all other assignments will remain selected. See the *P6 EPPM Application Administration Guide* for information on defining module access, security profiles, OBS access, and resource security.

▶ During the upgrade to the latest version of P6 EPPM, some P6 Activity Views settings will reset. After the upgrade, use the Customize Detail Windows feature to modify the settings that should appear for each view. See the *P6 Help* for information on how to edit Activity Views.

▶ Starting with P6 EPPM R8, P6 saves filter definitions globally. Filters still work for Activity Views, but all standard filter assignments reset during the upgrade. Due to this change, views that had Standard Filters applied will show all activities after the upgrade. Reapply filters after the upgrade finishes. See the *P6 Help* for information on how to edit Activity Views.

Security Procedures

▶ For security reasons, Oracle strongly recommends that you replace the default Admin Superuser (admin) immediately after a manual database installation or an upgrade from P6 version 7.0 and earlier. See *The Default Admin Superuser* in the *P6 EPPM Application Administration Guide* for guidelines on this process.

Clearing the Cache

Once you have updated all of your configurations, you should clear the cache in your browser. If you do not clear your cache, the P6 EPPM Help might not display correctly. For more information about clearing the cache in your browser, see your browser help.

Where To Go From Here - Post Configuration Wizard

Now that you've installed all of your P6 EPPM applications, you can begin using P6. You may find the following guides useful to get started:

▸ *P6 EPPM System Administration Guide*

> **Note**: You can use this guide to configure E-mail Statusing Service.

▸ *P6 EPPM Application Administration Guide*
▸ *P6 Help*

> **Note**: The most recent version of all these guides are available on OTN.

In This Section

Launching Your P6 EPPM Applications

After you have installed and configured your P6 EPPM applications, you can launch your applications by doing the following:

1) Go to the scripts folder where you installed P6 EPPM (for example, C:\P6EPPM_1\scripts or /usr/P6EPPM_1/scripts).
2) If you are on Windows, launch the **start_Primavera.bat**.

   If you are on Linux, launch the **start_Primavera.sh**.

   > **Note**: You need to launch the file only once unless you stop the server or need to restart the machine.

3) Open the HTML file you saved when you finished your configuration and choose the URL for the application you want to launch.
4) Login to the application.

Tips

▸ If you are on Windows, you can use the Start menu to launch your applications.
   1. Go to **Start**, **P6 EPPM**.
   2. Select the **start_Primavera.bat** file and wait for it to say running.
   3. Select the application you want to launch and login.

▸ If you want to set up the WebLogic Admin Server and Managed Servers to run as Windows Services, see WebLogic's documentation.

Starting and Stopping Managed Servers

You have several options for starting and stopping managed servers. Oracle recommends that you use the startNodeManager file and start the server in the WebLogic Administration Console (see *Starting a Managed Server* (on page 54)). However, you can view other ways to stop and start managed servers at "Managing Server Startup and Shutdown for Oracle WebLogic Server" at http://download.oracle.com/docs/cd/E14571_01/web.1111/e13708/overview.htm.

> **Note**: You can use different ways to start the managed servers, but you must ensure that the managed servers recognize the arguments required for your application (for example, the argument for where the bootstrap is located) and how the application environment will start.

Starting a Managed Server

> **Note**: When starting/stopping an environment using the node manager, the **StartScriptEnabled** setting in the **nodemanager.properties** file must equal true. Example: StartScriptEnabled=true

To start a managed in the WebLogic Administration Console:

1) Run one of the following:
   ▸ (with Windows)

```
<weblogic_home>\server\bin\startNodeManager.cmd
```

   ▸ (with UNIX or Linux)

```
<weblogic_home>\server\bin\startNodeManager.sh
```

2) Launch the WebLogic Administration Console.

> **Note**: You can open the Administration Console via a web browser at `http://<serverIP>:<listenport>/console`. The default `<listenport>` is 7001.

3) In the **Welcome** window, log in using the user name and password that you created when you created your WebLogic domain.
4) In the **Change Center** pane of the Administration Console, click **Lock & Edit**.
5) In the **Domain Structure** pane:
   a. Expand **Environment**.
   b. Click **Servers**.
6) In the **Summary of Servers** pane:
   a. Select the **Control** tab.

    b. Select the option for your managed server.

    c. Click **Start**.

7) In the **Server Life Cycle Assistant** pane, click **Yes**.

8) In the **Summary of Servers** pane, click the 'Start Refresh' icon in the middle of the pane to see when the **State** column says 'RUNNING.'

Stopping a Managed Server

To stop a managed server:

1) In the **Change Center** pane, click **Lock & Edit**.

2) In the **Domain Structure** pane, click **Deployments**.

3) In the **Summary of Deployments** pane, select the managed server that you want to stop.

4) In the **Summary of Deployments** pane, navigate to the **Control** tab and then complete the following:

    a. Click the down arrow to the right of the **Stop** button.

    b. Click one of the options to stop the managed server.

    c. In the **Start Application Assistant** pane, click **Yes**.

5) In the **Change Center** pane, click **Release Configuration**.

Installing Additional Applications

The following applications will work with P6 EPPM, but are not installed or configured with the wizard. See the guides mentioned for more information about each product.

▶ P6 Professional (see the *P6 Professional Installation and Configuration Guide*)
▶ Oracle Identity Manager (see P6 EPPM *Oracle Identity Manager Configuration Guide*)
▶ Oracle Enterprise Manager (see *Primavera Oracle Enterprise Manager Configuration Guide*)
▶ Oracle Access Manager (see *Primavera Oracle Access Manager Configuration Guide*)
▶ Oracle BI Publisher (see *P6 EPPM BI Publisher Configuration Guide*)
▶ Oracle BPM (see *P6 EPPM BPM Configuration Guide)*

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