ORACLE®

PRIMAVERA

**P6 EPPM Installation and Configuration Guide
16 R2**

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Contents

About Installing and Configuring P6 EPPM

This guide tells you how to automatically install and configure your applications. Before you begin, read the ***Prerequisites for P6 EPPM Configuration*** (on page 6).

Installing P6 EPPM

You will use the **setup.exe** (for Windows) or **./runinstaller** (for Linux or UNIX) in the Primavera P6 Enterprise Project Portfolio Management physical media, or download to install the following P6 EPPM applications:

> **Note**: You do not have to install all applications; you can pick and choose what you install. However, you must install P6 to run the other P6 EPPM applications.

▸ P6 (and its help and tutorials)
▸ P6 Team Member Interfaces (includes P6 Team Member Web, E-mail Statusing Service, and the server-side components for P6 mobile)

> **Notes**:
> - You will need to configure E-mail Statusing Service separately. See the *P6 EPPM System Administration Guide*.
> - 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.

▸ P6 Professional Cloud Connect

Select the P6 Professional Cloud Connect install option if you plan to use P6 Professional with an EPPM Oracle database by connecting to a remote service. The wizard sets up a remote method of access to connect to the EPPM database and the P6 APIs. 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)*.

> **Notes:**
> - When you choose to install P6 Professional Cloud Connect, the wizard will also install P6 Integration API (in remote mode) by default.
> - P6 Professional Cloud Connect does not apply to Microsoft SQL Server database users.

▸ P6 Integration API

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

‣ P6 EPPM Web Services

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 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 (WCCC), Microsoft SharePoint, or CMIS-compliant repositories), BIP, and or BPM

By default, the P6 EPPM Configuration Wizard runs automatically after you install your P6 EPPM applications. If you need to manually launch the P6 EPPM Configuration Wizard, use **eppmconfig.cmd** (for Windows) or **eppmconfig.sh** (for Linux) from the P6 EPPM installation folder at `C:\P6EPPM_1\p6` (for Windows) or `/u01/P6EPPM_1/p6` (for Unix).

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 Administration Guide*.

Prerequisites for P6 EPPM Configuration

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

Minimum Hard Disk Space

Installing the entire P6 EPPM suite requires 1GB of hard disk space. Configuring the WebLogic domain requires 1.75 GB of hard disk space as well as 4 GB of available system memory.

> **Note**: These numbers do not include the space required by the database, which is dependent on the configuration.

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.

Setting an Environment Variable for Java

After installing the JDK, you must set the following environment variables to ensure the P6 EPPM installation scripts can locate your Java libraries:

▸ `JAVA_HOME`
▸ `PATH`

Setting the Environment Variables in Microsoft Windows

To set the `JAVA_HOME` and `PATH` 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_HOME` environment variable:
   a. In the **System Variables** section, click **New**.
   b. In the **Variable name** field, enter `JAVA_HOME`.
   c. In the **Variable value** field, enter the location where the JDK software is installed (for example, `C:\Program Files\Java\`*<java_version>*)
   d. Click **OK**.
4) Update the PATH environment variable to include the location of the Java executable files:
   a. In the **System Variables** section, select the PATH variable, and click **Edit**.
   b. In the **Variable value** field, insert `%JAVA_HOME%\bin;` in front of all the existing directories. Do not delete any existing entries; otherwise, some existing applications may not run.
   c. Click **OK**.
5) Exit the Control Panel.

Setting the Environment Variables with Unix or Linux

To set the `JAVA_HOME` and `PATH` environment variables with Unix or Linux:

1) Set the `JAVA_HOME` environment variable by typing the following command:
   `export JAVA_HOME=`*<JDK_installation_path>*
2) Set the PATH environment variable by typing the following command:
   `export PATH=$PATH:$JAVA_HOME/bin`

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.

Grant Privileges to the SYSTEM User

Before installing P6 EPPM, execute the following steps:

1) Navigate to the following location, open the designated script in a text editor, and modify the schema user reference to match your actual schema user name:

   `\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.

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

3) Go to p6suite\database\scripts\install\PM_<release_level>, and execute **manual_script_before_install.sql**.

This script grants SELECT and EXECUTE privileges with grant option to SYSTEM, or a custom DBA username if you prefer to use one, for the following sys objects:

SELECT

‣ sys.DBA_VIEWS

‣ sys.V_$TRANSACTION

‣ sys.GV_$TRANSACTION

EXECUTE

‣ sys.DBMS_DBMS_REPUTIL

‣ sys.DBMS_DBMS_LOB

‣ sys.DBMS_SQL

‣ sys.DBMS_JOB

‣ sys.DBMS_RANDOM

> **Note**: For more information about the listed sys objects, refer to the Oracle Database documentation.

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 12)

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 6).

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 15) 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 19).

   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 19) 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 Create Users Screen

On the **Create Users** screen:

1) In the **Database Users** section, specify the user names and passwords for these users:
   a. **Administrative** (Oracle only) is the schema owner for all P6 EPPM data.
   b. **Privileged** has read and write access to most P6 EPPM data.
   c. **Public** has restricted access to the database.
   d. **Background** (Oracle only) executes background processes.
   e. **Reporting** is the PX Reporting user who owns tables and views for reporting data.

   > **Caution:** Use a unique name for all of your user names; do not use duplicate names. For example, do not enter privuser as the administrative user name or pubuser as your PX reporting user name. Repeating user names will cause conflicts.

   > **Notes**:
   > - A red X will appear if the **Password** and **Confirm Password** fields do not match. A green check will appear when the two fields match.
   > - P6 EPPM does not support passwords with multi-byte characters.
   > - 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.
   > - Do not use special characters in the database name, privileged user, public user, or PX reporting user name, for example: { } [ ] : ; < > , . ? ! @ # $ % ^ & * ( ) - _ | / \ ~ `

2) In the **Application User** section, enter the P6 EPPM application administrative user name and password. By default, the application administrative user will receive Admin Superuser access rights to all applications.

   > **Notes**:
   > - A red X will appear if the **Password** and **Confirm Password** fields do not match. A green check will appear when the two fields match.
   > - 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.

3) 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**.

Using the Configure Component Schema Screen

On the **Configure Component Schema screen**:

> **Notes**:
> - This screen will only appear if you selected the Deploy Oracle WSM Policy Manager option above. If you did not select the option, the wizard will skip this screen.
> - You must create the required schema for BPM before you deploy the P6 EPPM Configuration Wizard. For more information about the schema required for BPM, see the *Oracle Fusion Middleware Installing and Configuring Oracle SOA Suite and Business Process Management* guide.

On the **Component Schema** screen:

1) For the **Configure Component Schema Connection** option, choose **Oracle** or **Microsoft SQL Server**.
   a. If you are using Oracle Database, select **SID** or **Service**.
2) Do the following for the schema in the Component Schema fields:
   a. In the **Host Name** field, enter the server machine name or IP address where you installed the database.

    b. In the **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.

    c. In the **Schema Owner** field, enter or verify the name of the schema owner.

    d. In the **Password** field, enter the password to log into the database.

    e. In the **SID/Service** field, enter the SID (for Oracle 11g) or Service (for Oracle 12c) based on the database you installed.

3) 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 18) 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 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 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 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 30).
> - 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)*.

Default Java Heap Settings Created by the Wizard

The Java Heap settings will provide most environments with optimal performance. Do not change them unless you know your environment requires different settings. Xms is the initial heap size. Xmx is the maximum heap size.

▶ **WebLogic Administration Console Java Heap**

-Xms512m -Xmx1024m

▶ **P6 Java Heap**

-Xms512m -Xmx1024m

▶ **P6 ProfessionalCloud Connect**

-Xms1024m -Xmx1024m

▶ **P6 Integration API Java Heap**

-Xms256m -Xmx512m

▶ **P6 EPPM Web Services Java Heap**

-Xms256m -Xmx512m

▶ **P6 mobile Java Heap**

-Xms256m -Xmx512m

▶ **P6 Team Member Web Java Heap**

-Xms256m -Xmx512m

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 34)). 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**.

Settings You Must Configure in P6 Before You Begin

The following lists things you must set in P6 before you begin using it. Use the *P6 EPPM System Administration Guide* and the *P6 EPPM Application Administration Guide* for instructions on how to set the following:

▸ Set the base currency

> **Note**: You must choose the base currency if you do not want the database to use US dollars ($) as the base currency. You cannot change the base currency once projects are in progress.

▸ Add users and assign them the appropriate security privileges.

▸ Configure the Primavera P6 Administrator for your environment.

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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Oracle Primavera P6 EPPM Installation and Configuration Guide