ORACLE®

PRIMAVERA

**P6 Professional Installation and Configuration Guide
(P6 EPPM)
16 R2**

September 2016

Contents

Installing P6 Professional

This section describes how to install P6 Professional, the P6 Professional SDK, P6 Visualizer, and Job Service. Run the Installation Wizard on the client/desktop computers that will be used by project personnel.

Install P6 Professional only after you install and configure the database server. The Setup wizard needs to connect to the database server when installing P6 Professional.

In This Section

Database Client Software

Before you install P6 Professional, first install the client software for the database you will be using. The database client software enables the client computer to connect over the network to the database on the server computer.

Oracle Database Client Software

Use your Oracle installation CD to set up an application user and configure your Oracle Net Services client files to match your network. If you are unfamiliar with this process, contact your database administrator.

> **Notes:**
>
> - During P6 Professional installation, use the Oracle EZCONNECT string (`//<server name>:<listen port>/<service name>`) to connect to the P6 EPPM database. If you prefer, you can also use the TNSNAMES file instead of EZCONNECT. The TNSNAMES file is in the Oracle home folder on the client computer, not in a shared location. Reference the **TNSPING.EXE** location in your path environment variable.
> - If you plan to launch content repository documents from P6 Professional, you must use the TNSNAMES method.
> - Ensure that all clients are configured to use TCP/IP as the default network protocol.

Configuring Client Computers for Oracle Instant Client

To configure a client computer for Oracle Instant Client:

1) Copy Oracle Instant Client to a local drive.
2) Open the **Windows Control Panel** and click **System**.
3) Click **Advanced System Settings**.
4) On the Advanced tab, click **Environment Variables**.
5) In the **System variables** pane, locate the **Path** variable.
6) Click **Edit**.
7) In the **Variable Value** field, add the location of the Oracle Instant Client (specified in step 1).
8) Click **OK**.
9) Click **OK**.
10) Click **OK**.

Microsoft SQL Server Database Client Software

When you install P6 Professional on a client computer, the Microsoft SQL Server client files necessary to connect to P6 EPPM are automatically installed for you. Alternatively, you can use your Microsoft SQL Server installation CD to install the client network utility. If you are unfamiliar with this process, please contact your database administrator.

If you use a port other than the default (1433) to connect to your Microsoft SQL Server P6 EPPM database, see Configuring Client Computers for a Non-Default Microsoft SQL Server Port after you install P6 Professional.

Running the Installation Wizard

When you run the Installation Wizard, you are presented with the following installation options: **Typical** and **Advanced**.

Use the **Typical** installation option to install the version of P6 Professional appropriate to your operating system. If you are running a 32-bit operating system, the Typical option installs the 32-bit version of P6 Professional; if you are running a 64-bit operating system, the Typical option installs the 64-bit version of P6 Professional.   Java Runtime Environment (JRE) is not installed with this option.

Use the **Advanced** installation option when the Typical option does not apply. For example:

▸ If you want to install the 32-bit version of P6 Professional with a 64-bit operating system.
▸ If you want to install both the 32-bit version and the 64-bit version of P6 Professional with a 64-bit operating system.
▸ If you want to install Java Runtime Environment (JRE) along with P6 Professional.
▸ If you want to control the installation of specific P6 Professional components, such as Visualizer, the Software Development Kit (32-bit only), and the P6 Professional Database Tools.

Before You Begin

Before you run the Installation Wizard, review the following items that may impact a successful installation:

You must have full administrative rights to the computer on which you are installing P6 Professional.

▸ Download and extract (unzip) the software to a folder on the local hard drive, such as C:\Temp.
▸ Avoid downloading the software too deep within the Windows folder structure. It can limit the file name to 256 characters.
▸ Even though you are running P6 Professional as a standalone, a network interface card or modem must be installed and TCP/IP networking software must be running on the computer.
▸ Ensure the DEP (Data Execution Prevention) setting, Turn on DEP for all programs and services except those I select, is not enabled as it can block the creation of the database.
▸ Ensure anti-virus software, anti-spyware software, security software and/or any firewalls are not enabled as they may block programs, protocols, or ports necessary for database creation.
▸ Ensure the UAC (User Account Control) is not enabled as it may block the installation and creation of the database.

Typical Installation

Use the **Typical** installation option to install the version of P6 Professional appropriate to your operating system. If you are running a 32-bit operating system, the Typical option installs the 32-bit version of P6 Professional; if you are running a 64-bit operating system, the Typical option installs the 64-bit version of P6 Professional.   Java Runtime Environment (JRE) is not installed with this option.

To install P6 Professional with the **Typical** option:

1) Download and extract the media zip file locally to the client computer.

2) In the extracted media zip file, in the **Client_Applications** folder, double-click **setup.exe** to launch the installation wizard.

> **Note**: Microsoft .NET Framework, Windows Installer, and the Java Runtime Environment (JRE) are required to run P6 Professional. If they are not installed, follow the prompts to install them and then restart your computer as needed. Allow **setup.exe** to run when your computer restarts and follow the prompts to complete installation of the required components.

3) Select the **Typical** option.

4) Click **OK**.

5) Click **Install**.

   When P6 Professional is installed, the **Next Steps** window appears.

6) Click **OK** to automatically run Database Configuration immediately after installation. See *Running Database Configuration After Installation* (on page 10) for details.

> **Note**: You do not need to run Database Configuration immediately after installation, however you do need to run it before you can use P6 Professional. You can run Database Configuration manually at any time. See *Running Database Configuration Manually* (on page 25) for details.

Advanced Installation

Use the **Advanced** installation option when the Typical option does not apply. For example:

▶ If you want to install the 32-bit version of P6 Professional with a 64-bit operating system.
▶ If you want to install both the 32-bit version and the 64-bit version of P6 Professional with a 64-bit operating system.
▶ If you want to install Java Runtime Environment (JRE) along with P6 Professional.
▶ If you want to control the installation of specific P6 Professional components, such as Visualizer, the Software Development Kit (32-bit only), and the P6 Professional Database Tools.

To install P6 Professional Standalone with the **Advanced** option:

1) Download and extract the media zip file locally to the client computer.
2) In the extracted media zip file, in the **Client_Applications** folder, double-click **setup.exe** to launch the installation wizard.

> **Note**: Microsoft .NET Framework, Windows Installer, and the Java Runtime Environment (JRE) are required to run P6 Professional. If they are not installed, follow the prompts to install them and then restart your computer as needed. Allow **setup.exe** to run when your computer restarts and follow the prompts to complete installation of the required components.

3) Select the **Advanced** option.
4) Click **OK**.
5) Select the options to be installed.
6) Click **Next**.
   Click **Install**.
7) Click **OK** to automatically run Database Configuration immediately after installation. See *Running Database Configuration After Installation* (on page 10) for details.

> **Notes**:
>
> ▪ You do not need to run Database Configuration immediately after installation, however you do need to run it before you can use P6 Professional. You can run Database Configuration manually at any time. See *Running Database Configuration Manually* (on page 25) for details.
> ▪ If you installed the P6 Professional SDK, you must add the P6 Professional SDK installation location to the Path system variable. See *Updating the Path System Variable for the P6 Professional SDK* (on page 12) for details.

Running Database Configuration After Installation

If you selected the **Run Database Configuration** option during installation, the Database Configuration wizard launches automatically after P6 Professional installation is complete. Use Database Configuration to create a database connection for P6 Professional and Job Services.

You can also run Database Configuration manually at any time. See *Running Database Configuration Manually* (on page 25) for details.

> **Notes:**
>
> - To change database connection settings, the Database Configuration wizard must access the **PrmBootStrapV2.xml** file. This file is located in `<local drive>\%LOCALAPPDATA%\Oracle\Primavera P6\P6 Professional`.
> - See the *P6 Professional Compression Server Installation and Configuration Guide* for details on the Primavera Compression Server driver type.

Tips

- The **PrmBootStrapV2.xml** file is used regardless of the driver type.
- If you create a new database alias for a module, the **PrmBootStrapV2.xml** file is updated to reflect the change. If multiple modules are installed on one client computer, changing the database alias for one module does not affect the other modules.
- If you change the database connection settings for a database alias and multiple modules share that alias to access the database, your changes affect all the modules that share the alias.

Running Database Configuration After Installation with an Oracle Database Driver

To run Database Configuration after installation with an Oracle database driver, complete the following steps:

1) On the **Select Driver Type** dialog box, in the **P6 Professional driver type** field, select **Oracle**.
2) On the **Configure ORACLE Connection** dialog box, in the **Oracle Connection String** field, enter the Oracle EZCONNECT string in the format, `//<server name>:<listen port>/<service name>`. If using the TNSNAMES file, enter the Oracle Database name.

> **Note**: The two leading slashes are mandatory for API applications like Update Baseline, XML Export/import, and Schedule Comparison.

3) On the **Enter Public Login Information** dialog box, enter your public login information that was defined by your administrator.
4) On the **Validate Database Connection** dialog box, review the settings and click **Next** to test the database connection.
5) If the connection is successful, click **Finish**.

   If the connection is not successful, click **Back** to revise the database information.

Running Database Configuration After Installation with a Microsoft SQL Server Database Driver

To run Database Configuration after installation with a Microsoft SQL Server database driver, complete the following steps:

1) On the **Select Driver Type** dialog box, in the **P6 Professional driver type** field, select **Microsoft SQL Server / SQL Express**.

2) On the **Configure SQL Server Connection** dialog box, do the following:

   a. In the **Host Name** field, enter the name of the computer or IP address where Microsoft SQL Server is installed, along with the port number. For example, `localhost, 1733`.

   b. In the **Database name** field, enter the database name was specified when the database was created. For example, `PMDB`.

3) On the **Enter Public Login Information** dialog box, enter your public login information that was defined by your administrator.

4) On the **Validate Database Connection** dialog box, review the settings and click **Next** to test the database connection.

5) If the connection is successful, click **Finish**.

   If the connection is not successful, click **Back** to revise the database information.

Running Database Configuration After Installation with a Cloud Connect Database Driver

To run Database Configuration after installation with a Cloud Connect database driver, complete the following steps:

1) On the **Select Driver Type** dialog box, in the **P6 Professional driver type** field, select **P6 Professional Cloud Connect**.

   > **Note:** Select **P6 Professional Cloud Connect** only if you installed P6 Professional Cloud Connect in P6 EPPM to set up a remote method of access to connect to the EPPM Oracle database and the P6 APIs.

2) On the **Configure P6 Professional Cloud Connect Server** dialog box, do the following:

   a. In the **Database** field, enter the P6 Web BRE database alias name.

   b. In the **URL** field, enter the case-sensitive URL for the P6 Professional Cloud Connect service.

   c. In the **Read Timeout** field, enter the number of seconds for the cloud read timeout. Oracle recommends a value of **900**.

   d. If P6 Professional Cloud Connect service uses SAML, select the **Use SAML SSO** option.

   e. To improve performance with the P6 Professional Cloud Connect service, select the **Enable Client-side Cache** option.

   > **Note:** Contact your P6 EPPM administrator to obtain the URL for P6 Professional Cloud Connect.

3) On the **Enter Public Login Information** dialog box, enter your public login information that was defined by your administrator.

4) On the **Validate Database Connection** dialog box, review the settings and click **Next** to test the database connection.

5) If the connection is successful, click **Finish**.

   If the connection is not successful, click **Back** to revise the database information.

Tips

▶ The **PrmBootStrapV2.xml** file is used regardless of the **Driver type** selected above.

▶ If you create a new database alias for a module, the module's **PrmBootStrapV2.xml** file is updated to reflect the change. If multiple modules are installed on one client computer, changing the database alias for one module does not affect the other modules.

▶ If you change the database connection settings for a database alias and multiple modules share that alias to access the database, your changes affect all the modules that share the alias.

▶ For instructions on how to configure P6 Compression Server, see the *P6 Professional Compression Server Installation and Configuration Guide*.

Updating the Path System Variable for the P6 Professional SDK

When you install the P6 Professional SDK, you must add the P6 Professional SDK installation location to the Path system variable. To update the Path system variable, complete the following steps:

1) Open the **Windows Control Panel** and click **System**.

2) Click **Advanced System Settings**.

3) On the Advanced tab, click **Environment Variables**.

4) In the **System variables** pane, locate the **Path** variable.

5) Click **Edit**.

6) In the **Variable Value** field, add the P6 Professional SDK installation location. The default is **C:\Program Files (x86)\Oracle\Primavera P6\P6 Professional** (with 64-bit) or **C:\Program Files\Oracle\Primavera P6\P6 Professional** (with 32-bit).

7) Click **OK**.

8) Click **OK**.

9) Click **OK**.

Set the Industry Type (P6 EPPM Only)

P6 Professional requires you to choose an industry type. The industry type determines the terminology and default calculation settings that display in P6 Professional. You choose an industry type from P6, Application Settings, General link.

The following table lists each industry type and its corresponding terminology and default settings. Choose the option that best matches your industry.

Industry Types

Industry Type	Industry Terminology Examples	Default startup window in P6 Professional
Engineering and Construction	Budgeted Units Budgeted Cost Original Duration	Activities window
Government, Aerospace, and Defense	Planned Units Planned Cost Planned Duration	Projects window
High-Technology, Manufacturing	Planned Units Planned Cost Planned Duration	Projects window
Utilities, Oil, and Gas	Budgeted Units Budgeted Cost Original Duration	Projects window

Notes:

- If you choose the Engineering and Construction or the Utilities, Oil, and Gas industry type, P6 Professional users will see different terminology and defaults when switching to other P6 EPPM applications, such as P6.
- If you set the industry type and later change it, the new industry setting is immediately effective for new users. However, the change will not take effect for users who have logged in since it was last set. For information on how to make it effective for existing users, refer to My Oracle Support's Knowledge article How To Change The P6 Industry Type In P6 PPM (Professional), P6 EPPM R8.2 And Later Releases (Doc ID 1386047.1).

Installing Local Copies of P6 Professional and Visualizer Help

By default, online Help for P6 Professional and Visualizer is available on Oracle Technology Network (OTN). If you prefer to access Help locally, you can install a local copy of the Help.

> **Note**: OTN will always contain the most current version of P6 Professional and Visualizer Help.

To install a local of the P6 Professional and Visualizer Help, complete the following steps:

1) Download the Help from http://docs.oracle.com/cd/E75426_01/client_help/zip/P6_Pro_Help.zip and extract it locally.
2) In the extracted media zip file, double-click **P6ProHelpInstaller.msi** to launch the installation wizard.
3) Click **Next**.
4) Expand **Local Help Files**.
5) Do the following to install a local copy of P6 Professional Help.
    a. Expand **PM Help.**
    b. Click the drop-down for the language you use in the P6 Professional user interface and select **Will be installed on local hard drive**.

    > **Note**: P6 Professional Help is available in English, French, German, Japanese, and simplified Chinese.   Selecting any other language installs Help in English.

6) Do the following to install a local copy of Visualizer Help.
    a. Expand **Visualizer Help.**
    b. Click the drop-down for the language you use in the Visualizer user interface and select **Will be installed on local hard drive**.

    > **Note**: Visualizer Help is available in English only. Selecting any other language installs Help in English.

7) Click **Next**.
8) Click **Install**.
9) Click **Finish**.

Configuring Client Computers for a Non-Default Microsoft SQL Server Port

If you use a port other than the default (1433) to connect to your Microsoft SQL Server P6 EPPM database, you might need to perform additional configuration steps. To determine if you need to perform those steps, complete the following steps after installing P6 Professional:

1) Launch P6 Professional from the client computer.
2) Choose **Help**, **About Primavera P6 Professional.**
3) From the **About Primavera P6 Professional** dialog box, click the **System** tab.
4) Under **BRE Database**, locate the database port number.
5) If the **non-default port number** appears, no further action is necessary and you can proceed to the next topic.

   If **port number 1433** is listed, the user does not have Microsoft SQL Server 2005 Backward Compatibility Components installed. Proceed to the next step.
6) Choose to either globally specify the connection string in the P6 EPPM database SETTINGS table or install Microsoft SQL Server 2005 Backward Compatibility Components on each client computer.

   See **Database Administrator Settings for a Non-Default Microsoft SQL Server Port** (on page 16) if you choose to specify the connection string. If you choose to configure each client computer, proceed to the next step.
7) Go to https://www.microsoft.com/en-us/download/details.aspx?id=24793.
8) Download the Microsoft SQL Server 2005 Backward Compatibility Components (**SQL Server2005_BC.msi** for a 32-bit operating system or **SQLServer2005_BC_x64.msi** for a 64-bit operating system).

Database Administrator Settings for a Non-Default Microsoft SQL Server Port

To enable users to utilize P6 Integration API functionality within P6 Professional when using a non-default Microsoft SQL Server port, add an ADMINISTRATOR_SETTINGS row to the SETTINGS table for each Microsoft SQL Server database you use with P6 EPPM. The table below summarizes the settings.

ADMINISTRATOR_SETTINGS Settings	
Setting Description: Points to the JDBC connection URL for a P6 EPPM Microsoft SQL Server database.	
Namespace	Administrator_Settings
Setting Name	JdbcConnectionURL
Setting Value	<jdbc connection url>

When entering a value for **jdbc connection url** for Microsoft SQL Server, use the standard connection string. For example:

```
jdbc:sqlserver://<servername>:<portnumber>;database=<databasename>;
```

Configuring P6 Professional Internal Plug-ins for Authentication

P6 EPPM and P6 Professional come with built-in applications that use P6 Integration API technology. You must configure these plug-ins separately for Single Sign-On or LDAP authentication. These applications read a configuration stored in the database (called INTERNAL_PLUGINS by default) to determine how to authenticate.

> **Notes:**
> - This procedure is not applicable for the P6 Professional Cloud Connect driver type.
> - For information to enable SAML authentication for P6 Professional, refer to the *Primavera Oracle Access Manager Configuration Guide*.

This procedure uses two utilities:

- dbconfig.cmd: To create a new temporary configuration to launch the Internal API Administration utility, admin.cmd.
- admin.cmd: To access and modify the INTERNAL_PLUGINS configuration used by the Internal API tools.

To change the authentication type, complete the following steps:

1) Launch the Internal API Database Configuration utility, dbconfig.cmd.

   For P6 EPPM, the database configuration utility is located in %P6PROFESSIONAL_HOME%\P6 Professional\EPPM\Java\dbconfig.cmd

For P6 Professional, the database configuration utility is located in
`%P6PROFESSIONAL_HOME%\P6 Professional\PRO\Java\dbconfig.cmd`

2) Create a new temporary configuration called `TEMP_CLIENT_SETUP`, to access the administration utility.

3) Launch the Internal API administration utility `admin.cmd`.

For P6 EPPM, the API administration utility is located in `%P6PROFESSIONAL_HOME%\P6 Professional\EPPM\Java\admin.cmd`

For P6 Professional, the API administration utility is located in
`%P6PROFESSIONAL_HOME%\P6 Professional\PRO\Java\admin.cmd`

4) Log in using the Privileged Database username and password.

5) Click on the **Authentication** tab.

   a. Expand the `INTERNAL_PLUGINS` configuration.

   b. In the **Authentication** folder, set the **Login Mode** equal to the authentication mode configured for P6.

   c. In the **Database Instance**: **<your_instance_name>** folder, set the **Authentication Mode** equal to the authentication mode configured for P6.

6) In the **Configurations** tab, select the `TEMP_CLIENT_SETUP` configuration.

   a. Right-click and delete `TEMP_CLIENT_SETUP`.

   b. Click **OK** in the Confirmation window.

   c. Click **Save**, and **OK** in the Confirmation window.

7) Exit the administration utility, `admin.cmd`.

8) Delete the `BREBOOTSTRAP.XML` file located in `%P6PROFESSIONAL_HOME%\P6 Professional\EPPM\Java\`

Tip:

For more information on P6 Integration API, see the *P6 EPPM and P6 Professional Integration API Reference Guide*.

Installing P6 Visualizer Only

P6 Visualizer is installed by default when installing P6 Professional. You can also install P6 Visualizer as a standalone.

To install P6 Visualizer only:

1) Download and extract the media zip file locally to the client computer.
2) In the extracted media zip file, in the **Client_Applications** folder, double-click **setup.exe** to launch the installation wizard.

> **Note**: Microsoft .NET Framework, Windows Installer, and the Java Runtime Environment (JRE) are required to run P6 Professional. If they are not installed, follow the prompts to install them and then restart your computer as needed. Allow **setup.exe** to run when your computer restarts and follow the prompts to complete installation of the required components.

3) Select the **Advanced** option.
4) Click **OK**.
5) Deselect the **Primavera P6 Professional** option.
6) Expand **Primavera P6 Professional**, **P6 Professional Common Components**.
7) Select the **Visualizer** option.
8) Click **Next**.
9) Click **Install**.
10) Click **OK** to automatically run Database Configuration immediately after installation. See *Running Database Configuration After Installation* (on page 10) for details.

> **Note**: You do not need to run Database Configuration immediately after installation, however you do need to run it before you can use P6 Professional. You can run Database Configuration manually at any time. See *Running Database Configuration Manually* (on page 25) for details.

Installing Local Copies of Visualizer Help

By default, online Help for P6 Professional and Visualizer is available on Oracle Technology Network (OTN). If you prefer to access Help locally, you can install a local copy of the Help.

> **Note**: OTN will always contain the most current version of Visualizer Help.

To install a local of the Visualizer Help, complete the following steps:

1) Download the Help from http://docs.oracle.com/cd/E75426_01/client_help/zip/P6_Pro_Help.zip and extract it locally.
2) In the extracted media zip file, double-click **P6ProHelpInstaller.msi** to launch the installation wizard.
3) Click **Next**.
4) Expand **Local Help Files**.
5) Expand **Visualizer Help.**
6) Click the drop-down for the language you use in the Visualizer user interface and select **Will be installed on local hard drive**.

> **Note**: Visualizer Help is available in English only. Selecting any other language installs Help in English.

7) Click **Next**.
8) Click **Install**.
9) Click **Finish**.

Unattended Setup for P6 Professional

This chapter provides instructions for performing unattended setup of P6 Professional. An unattended setup enables administrators to run setup in silent mode and ensures that each user receives the same configuration.

As an administrator, you have several options for installing P6 Professional on client computers using the unattended setup. For example, you can physically run the unattended setup on each computer, write scripts that will run the unattended setup on the client computers you specify, or provide these instructions to users with administrator privileges, who can run the unattended setup on his/her computer.

Unattended Setup

Unattended setup allows an administrator to install P6 Professional on a client computer without having to answer the configuration prompts of the P6 Professional Setup wizard. All configuration details for the installation are specified in the command line. Unattended installations ensure that the client module is configured identically at setup.

To create an unattended setup, format command lines to silently launch setup.

Unattended setup can be run by an administrator on client computers by entering the appropriate command lines. The unattended setup will silently install P6 Professional according to the parameters you specify in the command line.

The following prerequisites, available in the Client_Applications folder of the P6 Professional physical media or download, must be installed on each client computer before running unattended setup:

- Microsoft .NET Framework
- JRE

An administrator should push these prerequisites to client computers before running unattended setup.

Running Unattended Setup

Complete the following steps to run unattended setup:

1) Copy the contents of the files in the **Client_Applications** folder to a local folder.

   Oracle recommends creating a new folder, such as Installer. Do not include spaces in the folder name.

2) Open a command line by choosing **Start**, **Run**. Enter `cmd` and click **OK**.

3) On the command line window, go to location of the Installer folder. For example,

```
cd c:\Installer
```

4) On the command line window, enter the following command:

```
setup /q
```

> **Note**: This command silently runs a Typical Installation, which installs P6 EPPM and Visualizer to the default location (**<local drive>\Program Files\Oracle\Primavera P6\P6 Professional**). The 64-bit versions are installed on 64-bit computer and the 32-bit versions are installed on 32-bit computer.

Installing Typical Components (P6 EPPM and Visualizer)

64-bit Typical

To install P6 EPPM (64-bit) and Visualizer (64-bit), enter the following command:

```
setup.exe /package /q msi_p6pro_64_INSTALLDIR=C:\Temp
```

32-bit Typical on a 64-bit computer

To install P6 EPPM (32-bit) and Visualizer (32-bit) on a 64-bit computer, enter the following command:

```
setup.exe /package /q
ADDLOCAL=msi_p6pro_32;PM,msi_p6pro_32;Visualizer,msi_p6pro_32;Standalone_Migra
tion
REMOVE=msi_p6pro_64,msi_p6pro_32;PMSDK,msi_p6pro_32;DBSchema,msi_p6pro_32;Admi
nConfig msi_p6pro_32_INSTALLDIR=C:\Temp
```

32-bit Typical on a 32-bit computer

To install P6 EPPM (32-bit) and Visualizer (32-bit) on a 32-bit computer, enter the following command:

```
setup.exe /package /q msi_p6pro_32_INSTALLDIR=C:\Temp
```

Installing Individual Components

Visualizer (64-bit) Only

To install Visualizer (64-bit), enter the following command:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_64;Visualizer
REMOVE=msi_p6pro_32,msi_p6pro_64;PM,msi_p6pro_64;PrmJob,msi_p6pro_64;DBSchema,
msi_p6pro_64;Standalone_Migration,msi_p6pro_64;AdminConfig
msi_p6pro_64_INSTALLDIR=C:\Temp
```

P6 Professional (64-bit) only

To install P6 Professional (64-bit), enter the following command:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_64;PM
REMOVE=msi_p6pro_32,msi_p6pro_64;Visualizer,msi_p6pro_64;DBSchema,msi_p6pro_64
;AdminConfig,msi_p6pro_64;Standalone_Migration,msi_p6pro_64;PrmJob
msi_p6pro_64_INSTALLDIR=C:\Temp
```

Job Service only

To install Job Service, enter the following command:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_64;PrmJob
REMOVE=msi_p6pro_32,msi_p6pro_64;Visualizer,msi_p6pro_64;PM,msi_p6pro_64;DBSch
ema,msi_p6pro_64;Standalone_Migration msi_p6pro_64_INSTALLDIR=C:\Temp
```

Admin Configuration (64-bit) only

To install Admin Configuration (64-bit), enter the following command:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_64;AdminConfig
REMOVE=msi_p6pro_32,msi_p6pro_64;Visualizer,msi_p6pro_64;PM,msi_p6pro_64;PrmJo
b,msi_p6pro_64;Standalone_Migration msi_p6pro_64_INSTALLDIR=C:\Temp
```

Standalone Database Migration Tool (64-bit) only

To install the Standalone Database Migration Tool (64-bit), enter the following command:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_64;Standalone_Migration
REMOVE=msi_p6pro_32,msi_p6pro_64;PM,msi_p6pro_64;Visualizer,msi_p6pro_64;PrmJo
b,msi_p6pro_64;DBSchema,msi_p6pro_64;AdminConfig
msi_p6pro_64_INSTALLDIR=C:\Temp
```

Standalone Upgrade Tool (64-bit) only

To install Standalone Upgrade Tool (64-bit), enter the following command:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_64;DBSchema
REMOVE=msi_p6pro_32,msi_p6pro_64;PM,msi_p6pro_64;Visualizer,msi_p6pro_64;PrmJo
b,msi_p6pro_64;Standalone_Migration,msi_p6pro_64;AdminConfig
msi_p6pro_64_INSTALLDIR=C:\Temp
```

Visualizer (32-bit) only

To install Visualizer (32-bit), enter the following command:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_32;Visualizer
REMOVE=msi_p6pro_64,msi_p6pro_32;PMSDK,msi_p6pro_32;DBSchema,msi_p6pro_32;Stan
dalone_Migration,msi_p6pro_32;PM msi_p6pro_32_INSTALLDIR=C:\Temp
```

P6 Professional (32-bit) only

To install P6 Professional (32-bit), enter the following command:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_32;PM
REMOVE=msi_p6pro_64,msi_p6pro_32;Visualizer,msi_p6pro_32;DBSchema,msi_p6pro_32
;Standalone_Migration,msi_p6pro_32;PMSDK msi_p6pro_32_INSTALLDIR=C:\Temp
```

P6 Professional SDK only

To install the P6 Professional SDK, enter the following command:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_32;PMSDK
REMOVE=msi_p6pro_64,msi_p6pro_32;Standalone_Migration,msi_p6pro_32;DBSchema,ms
i_p6pro_32;Visualizer,msi_p6pro_32;PM msi_p6pro_32_INSTALLDIR=C:\Temp
```

Admin Configuration (32-bit) only

To install Admin Configuration (32-bit), enter the following command:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_32;AdminConfig
REMOVE=msi_p6pro_64,msi_p6pro_32;PMSDK,msi_p6pro_32;Standalone_Migration,msi_p
6pro_32;DBSchema,msi_p6pro_32;Visualizer,msi_p6pro_32;PM
msi_p6pro_32_INSTALLDIR=C:\Temp
```

Standalone Database Migration Tool (32-bit) only

To install the Standalone Database Migration Tool (32-bit), enter the following command:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_32;Standalone_Migration
REMOVE=msi_p6pro_64,msi_p6pro_32;PM,msi_p6pro_32;Visualizer,msi_p6pro_32;PMSDK
,msi_p6pro_32;DBSchema,msi_p6pro_32;AdminConfig
msi_p6pro_32_INSTALLDIR=C:\Temp
```

Standalone Upgrade Tool (32-bit) only

To install Standalone Upgrade Tool (32-bit), enter the following command:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_32;DBSchema
REMOVE=msi_p6pro_64,msi_p6pro_32;PM,msi_p6pro_32;Visualizer,msi_p6pro_32;PMSDK
,msi_p6pro_32;Standalone_Migration,msi_p6pro_32;AdminConfig
msi_p6pro_32_INSTALLDIR=C:\Temp
```

Tips

▶ PM and Visualizer components will be installed by default if you do not use REMOVE parameter.

▶ Component names are case-sensitive.

▶ If you do not specify the INSTALLDIR property, the default location is used. The default location for 64-bit is **<local drive>\Program Files\Oracle\Primavera P6\P6 Professional** and the default location for 32-bit is **<local drive>\Program Files (x86)\Oracle\Primavera P6\P6 Professional**.

▶ To create a installer log file, add the /log parameter. For example:

```
setup.exe /package /q ADDLOCAL=msi_p6pro_64;PM
REMOVE=msi_p6pro_32,msi_p6pro_64;Visualizer msi_p6pro_64_INSTALLDIR=C:\Temp
/log "<LogFileLocation>/install.log"
```

where `<LogFileLocation>` is the folder where you want to save the log file.

▶ You can save your setup command line in a batch file in the install directory and run the batch file.

▶ Enter `setup.exe /help` to access documentation for command-line parameters.

▶ The SDK is compatible with 32-bit installations only.

▶ P6 Professional Job Service is only compatible with 64-bit installations. Jobs can be submitted to P6 Job Service for both 32-bit and 64-bit clients.

▶ If you installed the P6 Professional SDK, you must add the P6 Professional SDK installation location to the Path system variable. See **Updating the Path System Variable for the P6 Professional SDK** (on page 12) for details.

Creating Database Connections for Unattended Setup

Create the database connection on one administrator computer. After configuring the database connection, push the **PrmBootStrapV2.xml** file from the administrator computer (host computer) with database configuration details to each target client computer.

1) Install P6 Professional on one administrator computer (host computer).
2) Create the database connection on the host computer. See **Running Database Configuration Manually** (on page 25) for details.

The default location of **PrmBootStrapV2.xml** for the host computer is:

\%LOCALAPPDATA%\Oracle\Primavera P6\P6 Professional

The default location of **PrmBootStrapV2.xml** for the target computer is:

\%PROGRAMDATA%\Oracle\Primavera P6\P6 Professional

Running Database Configuration Manually

Use Database Configuration to change connection settings for the client module if your database server configuration changes. For example, if the database is moved to a new server, run Database Configuration to configure the connection to the new server.

> **Notes:**
>
> - To change database connection settings, the Database Configuration wizard must access the **PrmBootStrapV2.xml** file, which is located in `<local drive>\%LOCALAPPDATA%\Oracle\Primavera P6\P6 Professional`.
> - See the *P6 Professional Compression Server Installation and Configuration Guide* for details on the Primavera Compression Server driver type.

Tips

▶ The **PrmBootStrapV2.xml** file is used regardless of the driver type.

▶ If you create a new database alias for a module, the **PrmBootStrapV2.xml** file is updated to reflect the change. If multiple modules are installed on one client computer, changing the database alias for one module does not affect the other modules.

▶ If you change the database connection settings for a database alias and multiple modules share that alias to access the database, your changes affect all the modules that share the alias.

Running Database Configuration Manually with an Oracle Database Driver

To run Database Configuration manually with an Oracle database driver, complete the following steps:

1) If Database Configuration does not launch automatically, click **Start, All Programs, Oracle - Primavera P6, P6 Professional <release level>, P6 Professional <release level> Help and Tools**, **Database Configuration**.

2) Click **Next**.

3) On the **Select Database Alias Task** dialog box, choose to either **Modify an existing database alias** or **Create a new database alias**.

4) On the **Select or Create Alias** dialog box, select values for the following fields:

    a. In the **Database alias** field, enter a new alias. For example, PMDB.

    b. In the **Driver type** field, select **Oracle**.

5) On the **Configure ORACLE Connection** dialog box, in the **Oracle Connection String** field, enter the Oracle EZCONNECT string in the format, `//<server name>:<listen port>/<service name>`. If using the TNSNAMES file, enter the Oracle Database name.

> **Note**: The two leading slashes are mandatory for API applications like Update Baseline, XML Export/import, and Schedule Comparison.

6) On the **Enter Public Login Information** dialog box, enter your public login information that was defined by your administrator.

7) On the **Validate Database Connection** dialog box, review the settings and click **Next** to test the database connection.

8) If the connection is successful, click **Finish**.

   If the connection is not successful, click **Back** to revise the database information.

Running Database Configuration Manually with a Microsoft SQL Server Database Driver

To run Database Configuration manually with a Microsoft SQL Server database driver, complete the following steps:

1) If Database Configuration does not launch automatically, click **Start, All Programs, Oracle - Primavera P6, P6 Professional <release level>, P6 Professional <release level> Help and Tools**, **Database Configuration**.

2) Click **Next**.

3) On the **Select Database Alias Task** dialog box, choose to either **Modify an existing database alias** or **Create a new database alias**.

4) On the **Select or Create Alias** dialog box, select values for the following fields:
   a. In the **Database alias** field, enter a new alias. For example, PMDB.
   b. In the **Driver type** field, select **Microsoft SQL Server / SQL Express**.

5) On the **Configure SQL Server Connection** dialog box, do the following:
   a. In the **Host Name** field, enter the name of the computer or IP address where Microsoft SQL Server is installed, along with the port number. For example, `localhost, 1733`.
   b. In the **Database name** field, enter the database name was specified when the database was created. For example, `PMDB`.

6) On the **Enter Public Login Information** dialog box, enter your public login information that was defined by your administrator.

7) On the **Validate Database Connection** dialog box, review the settings and click **Next** to test the database connection.

8) If the connection is successful, click **Finish**.

   If the connection is not successful, click **Back** to revise the database information.

Running Database Configuration Manually with a Cloud Connect Database Driver

To run Database Configuration manually with a Cloud Connect database driver, complete the following steps:

1) If Database Configuration does not launch automatically, click **Start, All Programs, Oracle - Primavera P6, P6 Professional <release level>, P6 Professional <release level> Help and Tools**, **Database Configuration**.

2) Click **Next**.

3) On the **Select Database Alias Task** dialog box, choose to either **Modify an existing database alias** or **Create a new database alias**.

4) On the **Select or Create Alias** dialog box, select values for the following fields:

   a. In the **Database alias** field, enter a new alias. For example, PMDB.

   b. In the **Driver type** field, select **P6 Professional Cloud Connect**.

      Note: Select the **P6 Professional Cloud Connect** driver only if you have installed P6 Professional Cloud Connect in P6 EPPM to set up a remote method of access to connect to the EPPM Oracle database and the P6 APIs.

5) On the **Configure P6 Professional Cloud Connect Server** dialog box:

   a. In the **Database** field, enter the P6 Web BRE database alias name.

   b. In the **URL** field, enter the case-sensitive URL for the P6 Professional Cloud Connect service.

      Note: Contact your P6 EPPM administrator to obtain the URL for P6 Professional Cloud Connect.

6) On the **Enter Public Login Information** dialog box, enter your public login information that was defined by your administrator.

7) On the **Validate Database Connection** dialog box, review the settings and click **Next** to test the database connection.

8) If the connection is successful, click **Finish**.

   If the connection is not successful, click **Back** to revise the database information.

Using ClickOnce

ClickOnce enables your users to install and run P6 Professional by clicking a link in a web page. You can configure ClickOnce in advance, so your users do not need to perform any configuration in order to install and run P6 Professional.

This section how you can configure and deploy ClickOnce with Oracle WebLogic. You have two choices to configure ClickOnce:

▶ Configure ClickOnce on a staging computer and then deploy it to the WebLogic server.
▶ Configure ClickOnce directly on the WebLogic server.

> **Notes**:
>
> - The instructions in this section assume you will use a staging computer.
> - The staging computer must be running Windows. If the WebLogic server is installed with UNIX or Linux, you must use a staging computer.
> - ClickOnce is only supported for the P6 Pro Cloud Connect driver type. If your users need to connect using a different driver type, they can still download and install from the ClickOnce page, however they will need to configure the connection separately using Database Configuration. See the *P6 Professional Installation and Configuration Guide (Oracle Database)* or *P6 Professional Installation and Configuration Guide (Microsoft SQL Server Database)* for details.
> - If you have installed an earlier version P6 Professional or Visualizer from any media pack version, you must uninstall that version before installing with ClickOnce. If you have installed an earlier version of P6 Professional or Visualizer using ClickOnce, you must uninstall that version before installing from the media pack.
> - The ClickOnce installer allows you to choose between 32-bit and 64-bit. If you are using a 32-bit computer, you must choose 32-bit ClickOnce.

ClickOnce Prerequisites

The staging computer must meet the following prerequisites in order to configure ClickOnce:

▸ It must be running Windows 7, Windows 8.1, Windows Server 2008 R2, or Windows Server 2012 R2.

▸ The latest Java Development Kit (JDK) must be installed. See http://www.oracle.com/technetwork/indexes/downloads/index.html#java for details.

▸ One of the following must be installed:

  ▸ Microsoft Windows SDK for Windows 7 and .NET Framework 4 (with Windows 7 and Windows Server 2008 R2). See https://www.microsoft.com/en-us/download/details.aspx?id=8279 for details.

  ▸ Windows Software Development Kit (SDK) for Windows 8.1 (with Windows 8.1 and Windows Server 2012 R2). See https://dev.windows.com/en-us/downloads/windows-8-1-sdk for details.

▸ The location of the Windows SDK for .NET Framework must exist in the Path environment variable.

In addition, you must obtain a digital certificate from a certificate authority (for example, VeriSign) for signing the ClickOnce files. The certificate must be in Personal Information Exchange (PFX) format and must include the private key created on your staging computer.

Configuring ClickOnce

To configure ClickOnce, complete the following steps:

1) On the staging computer, create the following folders:
   ▸ `c:\source`
   ▸ `c:\destination`

2) Download and extract the media zip file locally on the staging computer.

3) In the extracted media file, in the **Client_Applications** folder, copy the **ClickOnce_EPPM.zip** file to the **c:\source** folder on the staging computer.

4) In the extracted media file, in the **Client_Applications** folder, double-click **Primavera.Deployment.EPPM.exe**.

5) On the **P6 Pro Enterprise Deployment Utility** screen, do the following:

   a. In the **Server Name** field, enter the path for the WebLogic server to be used for deployment. If you are using load balancing server (such as F5 URL), type the machine name. For example:

```
myservername.domainname.com
```

> **Note**: Do not enter **http://** or **https://**.

   b. Select or deselect the **HTTPS** option, as needed. Oracle recommends that you select this option.

c. In the **ClickOnce Server Port** field, enter the WebLogic port where the ClickOnce managed server is running.

> **Note**: If you are using port redirection, do not change the default value, which is **0**.

d. In the **Database Name** field, enter the database alias name. This is the same value as the **Name** field in P6 Configuration.

e. In the **P6 Pro Cloud Connect Server Port** field, enter the port for Cloud Connect Server, which is **8208** by default.

> **Note**: If you are using port redirection, do not change the default value, which is **0**.

f. In the **Default Alias Name** field, enter the alias is used by P6 Professional to connect to Cloud Connect Server.

g. In the **Published Version** field, do not enter anything. The value auto-populates based on the Source Location value.

h. Select the **Mandatory Update** option to automatically replace any previously installed version of P6 Professional. Otherwise, users will be prompted to replace any previously installed versions.

i. If P6 Professional Cloud Connect service uses SAML, select the **Use SAML SSO** option.

j. To improve performance with the P6 Professional Cloud Connect service, select the **Enable Client-side Cache** option.

k. In the **Password** field, enter the password for the PFX file.

l. In the **Certificate File Path** field, enter the location of the PFX file.

m. In the **SignTool.exe File Path** field, enter the location of **SignTool.exe**, which is **C:\Program Files (x86)\Windows Kits\8.1\bin\x86** by default.

n. In the **Source Location** field, do not enter anything. This is the location of the **clickonceEPPM.zip** file, which you copied to the **c:\source** folder earlier.

o. In the **Destination Location** field, do not enter anything.

p. In the **Read Timeout** field, enter the number of seconds for the cloud read timeout. Oracle recommends you use the default value, which is **900**.

q. In the **JDK Path** field, enter the path for the Java Development Kit (JDK). The default is the JAVA_HOME value.

r. In the **MAGE Path** file, enter the location of **mage.exe**, which is **c:\Program Files (x86)\Microsoft SDKs\Windows\v8.1A\bin\NETFX 4.5.1 Tools** by default.

6) If you want to save your ClickOnce configuration to a file, click **Export**.

7) Click **Deploy**.

The **p6professionalcloud_customer.war** file is created in the specified location and is ready to be deployed. See *Deploying ClickOnce* (on page 31) for details.

Deploying ClickOnce

To deploy ClickOnce:

1) Copy the **p6professionalcloud_customer.war** file that you created earlier from the staging computer to the WebLogic server.

2) In the extracted media file, in the **Client_Applications** folder, copy the **p6professionalcloud_Template.war** file to the WebLogic server. Use the same folder that you used for the **p6professionalcloud_customer.war** file.

3) Enter the following commands to merge the .war files into a single file named **p6professionalcloud.war**.

```
#!/bin/sh
mkdir combined
unzip -n p6professionalcloud_Template.war -d combined
unzip -n p6professionalcloud_Customer.war -d combined
cd combined
zip -r ../p6professionalcloud.war *
cd ..
rm -rf combined
```

4) Deploy **p6professionalcloud.war** in WebLogic. See the WebLogic documentation for details.

Installing P6 Professional Using ClickOnce

To install P6 Professional using ClickOnce:

1) On a client computer, open a browser and navigate to the ClickOnce URL.

2) Click the **Install** link. If you are using a 64-bit computer, you can choose between 32-bit and 64-bit. Choose the option that supports your desired components. If you are using a 32-bit computer, you must choose 32-bit.

> **Notes**:
>
> - The ClickOnce URL follows the format `https://<deployment machine>:<port>/p6professionalcloud/en/publishP6.html`.
>
> - ClickOnce is only supported for the P6 Pro Cloud Connect driver type. If your users need to connect using a different driver type, they can still download and install from the ClickOnce page, however they will need to configure the connection separately using Database Configuration. See the *P6 Professional Installation and Configuration Guide (Oracle Database)* or *P6 Professional Installation and Configuration Guide (Microsoft SQL Server Database)* for details.

Upgrading P6 Professional Using ClickOnce

To upgrade P6 Professional with ClickOnce:

1) On a client computer, open a browser and navigate to the ClickOnce URL.

2) Click the **Install** link. If you are using a 64-bit computer, you can choose between 32-bit and 64-bit. Choose the option that supports your desired components. If you are using a 32-bit computer, you must choose 32-bit.

> **Notes**:
>
> - You may not receive a notification dialog when an update is available. Check with your system administrator to ensure you have the latest version of P6 Professional.
> - Upgrades can be found on the ClickOnce landing page.
> - The ClickOnce URL follows the format `https://<deployment machine>:<port>/p6professionalcloud/en/publishP6.html`.
> - When you initiate the installer, previous versions of P6 Professional will be removed.
> - If the ClickOnce Maintenance dialog stays, you must choose the Remove option.

Windows Terminal Services and Citrix

P6 Professional fully supports Microsoft Windows 2008 SP2 Terminal Services along with Citrix XenApp (Citrix), check the tested configurations for supported versions.

Running P6 Professional under Windows Terminal Services published through Citrix is recommended in the following cases:

▶ P6 Professional users running through a WAN connection are having performance issues whereas users on the local LAN are achieving acceptable performance.

▶ The connect speed between the desktop client and database server is a T1/T3 WAN link or slower with 50 milliseconds or more of latency.

▶ You have sensitive project data that you want to secure through an SSL connection (Citrix supports SSL/High RCA encryption technologies).

▶ You do not want to upgrade the hardware of all your desktop clients or maintain remote client configurations, but would rather centralize your users for easier administration.

Windows Terminal Server with Citrix provides users with the ability to run P6 Professional over a slower asynchronous dial-up or WAN connection from Windows, UNIX, and Macintosh terminals and get better performance since only screen refreshes and keystrokes are sent across the communication line. Windows Terminal Server 2008 without Citrix can also be used to run P6 Professional, but other considerations need to be taken into account.

The Citrix add-on enhances Terminal Server by adding the ICA protocol, which supports IPX/SPX, NetBIOS, and TCP/IP protocols. Using Citrix adds support for UNIX, Linux, and Macintosh, as well as Microsoft clients. Also, Citrix automatically configures clients as they connect and has the ability to auto-configure local printers.

In This Section

Pre-Installation Considerations

▶ You need a knowledge of Windows 2008 Terminal Services and Citrix
▶ You need the Local Administrator account for software installation and Citrix publishing
▶ It is recommended that a shared drive be used on the LAN local to the terminal services server for project imports and exports due to WAN performance considerations.
▶ It is recommended that the users' home directories reside on the same LAN as the Terminal Server/Citrix server due to potential performance issues across various functions in P6 Professional

P6 Professional User requirements

To run on Windows Terminal Services published through Citrix:

▶ Each P6 Professional user must use a unique Windows account
▶ Each P6 Professional user must use a unique account in P6 Professional.

PM.ini Logic

At launch, P6 Professional checks for the **PM.ini** file in the following order in the following locations:

1) In the same directory as the executable file.
2) In the user's roaming app data folder.
3) In the user's local app data folder.

If the file is not found in any of these locations, the **PM.ini** file in the **%ProgramData%\Oracle\Primavera P6\P6 Professional** folder is copied to the user's local profile (**\Users\$USERNAME\AppData\Local\Oracle\Primavera P6\P6 Professional**).

Installing P6 Professional on Terminal Services

To install P6 Professional, the Administrator or an account in the local Administrators group must log in to the Terminal Server.

Prerequisites

Install Oracle or SQL Server Client drivers as appropriate on the Windows Terminal Servers as described in their respective docs.

With Oracle database, confirm the *Create Global Objects* Windows Security Policy is set up on the Terminal Servers and add the domain Users or Groups of the end-users who will be accessing the published application. If the local security policy is not set up, complete the following steps to add the policy:

1) Click **Start, Programs, Administrative Tools**, and then click **Local Security Policy**.
2) Expand Local Policies, and then click **User Rights Assignments**.
3) In the right pane, double-click **Create Global Objects**.
4) In the Local Security Policy Setting dialog box, click **Add**.
5) In the Select Users or Group dialog box, select the user group that these end users are a part of, click **Add**, and then click **OK**.

6) Click **OK**.

With Oracle database, the Oracle client software also requires that you give the *Authenticated User Group*, *Read and Execute* privilege to the Oracle Home Directory and **ALL** its subdirectories and files on the Terminal Servers.

Installation Steps

1) Run the P6 Professional setup.

> **Note**: Terminal Services automatically runs setup in Terminal Services install mode.

2) Install P6 Professional.
3) When setup completes, click the Finish dialog to the Terminal Services install mode.
4) After configuring database connections as described in the installation documentation, deploy PrmBootStrapV2.xml to the ALLUsers appdata folder from the admin user's appdata folder, so that users who launch P6 for the first time will inherit the PrmBootStrap.xml file with existing database configurations. Change DeploymentVersion in the header of PrmBootStrap.xml file to force a new deployment of PrmBootStrap.xml.

> **Note**: Force a new deployment of the **PrmBootstrapV2.xml** file to users who have an existing **PrmBootstrapV2.xml** by incrementing the deployment version one number higher in the **PrmBootstrap.xml**, which exists in the ALLUSERS profile. Never change MajorVersion or MinorVersion. If the deployment version is not incremented and a user already has a **PrmBootstrap.xml** file in their local profile, it will use the existing file rather than deploy a new copy from the ALLUSERS profile. Example incrementing the deployment version from 0 to 1:
>
> ```
> <BootStrap MajorVersion="8" MinorVersion="2"
> PatchVersion="0" DeploymentVersion="1"
> ```
>
> Default **PRMBootStrapV2.xml** location:
>
> ```
> \%ALLUSERSPROFILE%\Oracle\Primavera P6\P6 Professional
> ```

5) Test the application by logging up to two users into the Terminal Server. If errors occur, contact Oracle Support for assistance.

> **Note**: The Citrix Administrator Application can also publish the application through Citrix.

Setting PM.ini to Terminate a Current Session

If you are running P6 Professional using Citrix or in a cluster of Windows Terminal servers, you may need to set the session to terminate on the database engine. In that case, complete the following steps to update the PM.ini file in the Citrix Home Directory or the Windows directory in the terminal Server user profile:

1) Open PM.ini in a text editor.
2) Add the following setting to the PM.ini file under the **Database** section:

```
DeleteCurrentUserSessions=TRUE
```

> **Note**: You must enter the "TRUE" value in all uppercase letters.

If any sessions are active when the setting is added to the PM.ini file, the user receives the following message:

```
"[User] already logged in at a terminal [machine] under Windows login account
[windows login] Do you want to clear this user?"
```

Select **Yes** to continue.

Using Oracle Secure Global Desktop

You can use Oracle Secure Global Desktop to publish P6 EPPM and P6 Professional to remote users.

See the *Tested Configurations* document for supported versions of Oracle Secure Global Desktop.

For details on publishing Windows desktops, see the *Oracle Secure Global Desktop Administration Guide*. You will find the Secure Global Desktop documentation library here: http://www.oracle.com/technetwork/documentation/sgd-193668.html.

Setting PM.ini to Terminate a Current Session

If you are running P6 Professional using Citrix or in a cluster of Windows Terminal servers, you may need to set the session to terminate on the database engine. In that case, complete the following steps to update the PM.ini file in the Citrix Home Directory or the Windows directory in the terminal Server user profile:

1) Open PM.ini in a text editor.

2) Add the following setting to the PM.ini file under the **Database** section:

```
DeleteCurrentUserSessions=TRUE
```

> **Note**: You must enter the "TRUE" value in all uppercase letters.

If any sessions are active when the setting is added to the PM.ini file, the user receives the following message:

```
"[User] already logged in at a terminal [machine] under Windows login account
[windows login] Do you want to clear this user?"
```

Select **Yes** to continue.

P6 Application Settings for P6 Professional

This topic describes the P6 Application Settings that are relevant to P6 Professional with P6 EPPM. All of these settings are on the **General** tab of the **Applications Settings** page in P6. See the *P6 Help* in the P6 EPPM User and Integration Documentation for details.

Industry Selection section

Select the industry to use for terminology and default calculation settings in the P6 Professional module list

Use the arrow to choose the type of industry in which you use this application. The industry you choose causes P6 Professional to use terminology and default settings for calculations that most closely align with the selected industry.

Engineering and Construction: Determines the use of terminology and default settings for calculations aligned with the engineering and construction industries.

Government, Aerospace, and Defense: Determines the use of terminology and default settings for calculations aligned with government and with aerospace and defense industries.

High Tech, Manufacturing, and Others: Determines the use of terminology and default settings for calculations aligned with high-technology, manufacturing, and other industries.

Utilities, Oil, and Gas: Determines the use of terminology and default settings for calculations aligned with the utility, oil, and gas industries.

> **Note**: Until an industry is selected P6 Professional users will see a message each time they log in which explains that this option has not been set.

Online Help section

Online Help URL for P6 Professional field

The help URL that will allow users to access help for P6 Professional. If this field is left blank, the Online Help option will not be available and Local help will always launch when the F1 key or Help shortcut are used.

Leave the default URL to launch the Oracle Technology Network (OTN) site when Online Help is selected from the Help menu.

Remove the URL to disable the Online Help option from the Help menu for all users. Users will only be able to access the local version of the help.

Specify a new URL location to launch when Online Help is selected from the Help menu.

Using OTN ensures that you always have the most current help content.

Always launch the Online Help for the F1 shortcut key and context sensitive help option

Switch on this option if your users have access to the internet and need to be able to see the most up to date version of Help. If this option is switched off, accessing Help via the F1 key and Help shortcuts will always show local help. This option is off by default.

Document Management section

P6 URL field

The P6 URL that will enable users to view content repository documents in P6 Professional. This URL also enables P6 Professional users to download exported P6 XML files.

P6 Professional Application section

Use Remote Mode for P6 Professional Update Baseline, Schedule Compare, XML Import and XML Export option

Switch on this option if you want P6 Professional to run Update Baseline, Schedule Compare, XML Import, and XML Export procedures using the API in Remote Mode. If you choose to use this feature, ensure that P6 Professional users configure their connection to the P6 database using the P6 Pro Cloud Connect driver.

Integration API Server URL field

The URL of the Integration API server which will perform the calculations for Update Baseline, Schedule Compare, and XML Import and Export for P6 Professional.

Troubleshooting Importing Projects from P3 to P6 Professional (P6 Professional Only)

Use this section to troubleshoot importing P3 projects if you have experienced the following:

▶ You cannot import P3 projects due to the option being grayed out.

▶ The option was not grayed out, but you received any of the following error messages:

   ▸ Event Code ICSPI-1034-6 Invalid class string, ProgID: "p3session32" when trying to Import a P3 Project into P6 Professional.

   ▸ COM exception caught. Value = 0 when trying to Import multiple P3 Projects into P6 Professional.

   ▸ Typing REGSVR32 RA32.DLL from the windows command prompt returns "LoadLibrary(ra32.dll) failed- cannot find desired module when P3 or SureTrak are not installed on the workstation.

In This Section

Enabling the P3 Option in the P3/SDEF to XER Project Conversion Dialog Box

In order to enable the **P3** option in the **P3/SDEF to XER Project Conversion** dialog box in P6 Professional, complete one of the following tasks associated with your operating system:

For 32-bit Operating Systems

▶ Install P3 or SureTrak on the workstation.

▶ Uninstall P6 Professional and then install P3 or SureTrak. After you install P3 or SureTrak, reinstall P6 Professional.

▶ Copy the following BTRIEVE engine files from `CD\Btrieve\win32` the P3 installation disk to `\Windows\System32` and then modify your registry settings for `ra32.dll` using the procedure in `Registering ra32.dll` (on page 42):

```
W32MKRC.DLL
W32MKDE.EXE
WBTRV32.DLL
```

For 64-bit Operating Systems

▶ Copy the following BTRIEVE engine files from `CD\Btrieve\win32\Tools` on your P3 installation disk to `\Windows\SysWOW64` and then modify your registry settings for `ra32.dll` using the procedure in ***Registering ra32.dll*** (on page 42):

```
W32MKRC.DLL
W32MKDE.EXE
WBTRV32.DLL
```

> **Notes:**
>
> ▪ You are unable to install P3 or SureTrak on 64-bit operating systems.

▶ For more information about enabling the P3 option in the **P3/SDEF to XER Project Conversion** dialog box, refer to *Unable to Import P3 Project Directly into P6 (Doc ID 910992.1)* on My Oracle Support.

Registering ra32.dll

To register ra32.dll:

1) Run the Command Prompt as an administrator.

> **Note:** If you are on a 64-bit operating system, you must run `cmd.exe` as an administrator from `\Windows\SysWOW64`.

2) Change your directory to `<P6 Professional_Home>\Oracle\Primavera P6\P6 Professional\Ra`.

   Where <P6 Professional_Home> is the location at which P6 Professional is installed.

3) Enter the following command:

```
regsvr32 ra32.dll
```

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