



PRIMAVERA

**Gateway Manual Deployment Guide  
Release 15.1**

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# Overview

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The *Gateway Manual Deployment Guide* describes how to perform a manual installation of *Primavera Gateway* on an Administration server with OWSM.

This guide is intended for IT professionals who are installing and configuring the server environment for Primavera Gateway and who are supporting Primavera Gateway users.

For the full list of system requirements and versions, see the *Primavera Gateway Tested Configurations* document on Oracle Technology Network (OTN).

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### Downloading Primavera Gateway

To download Primavera Gateway:

- 1) Go to the Oracle Software Delivery Cloud.
- 2) Download Primavera Gateway and extract the file content to the following folders:
  - ▶ Disk1
  - ▶ gatewayapiclient
  - ▶ GatewayUtility
  - ▶ script
- 3) Go to the location where you extracted the contents and run the following:

If you are installing on a Microsoft Windows system, double-click and run **setup.exe** from the following directory:

  - ▶ Windows 64-bit: Double-click **setup.exe** file from the **win64\Disk1\install** directory

If you are installing on a Linux or Solaris system, execute **./runInstaller.sh** from the following directories:

Give execute permission to run the installer using the syntax: **chmod 755 <file name>**

  - ▶ Linux 64-bit: Execute **./runInstaller.sh** file from the **linux64/Disk1/install** directory
  - ▶ Solaris 64-bit: Execute **./runInstaller.sh** file from the **solaris64/Disk1/install** directory



# Prerequisites

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## Installing the Oracle Database

You must install the Oracle database server before you can install the Primavera Gateway database. Your Oracle account representative is always your best source for licensing details. For supported versions of the database, see the *Tested Configurations* document.

### Notes:

- You must install Oracle Multimedia, along with these supporting components: Oracle JVM, Oracle XML DB (XDB), and XML Developer's Kit (XDK). Unless you specify otherwise, all these components automatically get installed with the latest versions of the supported Oracle database. If you chose not to install these components, you will need to install them before you install Primavera Gateway. 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 a required component of Oracle Database.
- You must use UTF8 encoding to support Primavera Gateway's localized user interface.

## Installing JDK

WebLogic for Windows may automatically install Oracle JRockit and Java JDK version; however, specific versions are supported based on your configuration. For a list of supported versions, see the *Tested Configurations* document.

**Note:** On Windows, if you are using a JDK that you have installed in a path that includes the Program Files (x86) folder, you will need to reference the folder by the short name because the installer does not accept parentheses in the path. For example, if the path is C:\Program Files (x86)\Java\jdk1.7.0\_75, then the short name would need to be used, such as C:\PROGRA~1\Java\jdk1.7.0\_75.

If the path does include a folder named Program Files (x86), then to obtain the short name:

- Open a command line and use the `cd` command on the folder that contains the parentheses. For example, enter: `cd C:\Program files (x86)`.
- Then use this command: `dir /x`. The resulting listing contains the short name.

### Installing WebLogic

You will need to install WebLogic to deploy Primavera Gateway. For supported versions, see the *Tested Configurations* document. Also, consult WebLogic's documentation for installation instructions.

**Note:** On Windows, Oracle recommends you install the application server to a folder with a short name.

### Installing the Gateway Schema

After installing the Oracle database, run the **Gateway-DBInstallation** script to install the Gateway schema.

- 1) To be able to run the **Gateway-DBInstallation** script, set the `JAVA_HOME` location:  
In your Windows system environment:
  - a. Open the **Control Panel**.
  - b. Go to **Advanced System Settings**.
  - c. Select **View Advanced System Settings**.
  - d. In the **System Properties** dialog box, on the **Advanced** tab, select **Environment Variables**.
  - e. In the **Environment Variables** dialog box, under **System variables**, select **New**.
  - f. In the **New System Variable** dialog box:
    1. In the **Variable name:** field, enter **JAVA\_HOME**.
    2. In the **Variable value:** field, enter the location where Java is located (for example, C:\Progra~1\Java\jdk7).

**Note:** The default path is C:\Program Files\Java\jdk7, but you must remove the space from "Program Files" to ensure other wizards run correctly.



g. Select **OK** to exit out of the open dialog boxes.

For Linux and Solaris, add the JAVA\_HOME Environment variable to the dbsetup.sh (in the **Database** folder of the physical media or download) file before running it. For example:

```
export JAVA_HOME=/usr/java/jdk1.7.0_75
```

- 2) From the command line, execute:

**sqlplus <sysdba\_username>/<sysdba\_password>@<SID> as sysdba**

Where:

<sysdba\_username> is a sysdba user name (sys by default)

<sysdba\_password> is a sysdba password

<SID> is a SID of the Oracle database instance

For example, sqlplus sys/myPassword@ORCL as sysdba

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**Note:** The command will be different if you are connecting from the host other than the host where the database is installed, or connecting to the database using a service name.

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- 3) At the SQL prompt, execute:

**SQL>@<path>\manual\_script\_before\_install.sql**

Where, <path> is an absolute path to the directory where the script is located.

For example,

On Windows: If the installer is located in c:\installer\win64, the command to execute the script will be

**@C:\install\win64\script\manual\_script\_before\_install.sql**

On Linux: If the installer is located in /home/user/installer/linux64, the command to execute the script will be

**@/home/user/installer/linux64/script/manual\_script\_before\_install.sql**

On Solaris: If the installer is located in /home/user/installer/solaris64, the command to execute the script will be

**@/home/user/installer/solaris64/script/manual\_script\_before\_install.sql**

This script grants sys.DBMS\_REPUTIL privileges to the system user which will be validated during database installation.

- 4) In the Gateway software download, go to the **GatewayUtility** folder and run the following script:

- ▶ For Windows installations, run **Gateway-DBInstallation.bat**.

- ▶ For Linux and Solaris installations, run **./Gateway-DBInstallation.sh**.

- 5) On the **Primavera Gateway Database Install Utility** screen, enter the database connection details for the Oracle database

- ▶ **DBA User Name:** Enter the user name you created when you installed the Oracle database.

- ▶ **DBA Password:** Enter the password you created when you installed the Oracle database.

- ▶ **Database Host:** Enter the host name or the server IP address of the database server.

- ▶ **Database Host Port:** Enter the port number for the database schema.

- ▶ **Database Name:** Enter the name of your database. For example, orcl.
  - **Service:** Select this option to connect to the database using a service name.
  - **SID:** Select this option to connect to the database using the system identifier.
- ▶ **Schema Owner:** Enter the name of the Primavera Gateway database schema owner.
- ▶ **Schema Password:** Enter a case-sensitive password for the schema owner.
- ▶ **Provider data folder:** Enter or select **Add** to browse and specify the location of the **data** folder for each provider.
- ▶ **Gateway data folder:** Enter or select **Browse** to specify the location of the **pdl\data** folder of the Gateway application.
- ▶ Select the **Test Connection** button to check for database connectivity. If the test is successful, the following message displays: *Connection is successful*. If the test is not successful, check the port number specified, schema user ID and case-sensitive password combination, SID or Service value, and the database host address.
- ▶ Select **Run** to begin installing the Gateway schema.
- ▶ Select **Finish** to exit the utility.

### Installing Primavera Gateway Application

To install Primavera Gateway application:

- 1) Run the wizard from the downloaded media pack.
- 2) On the **Installation Type** screen, choose the **Install Primavera Gateway installation** option to only install the Gateway application.

For more information on installing Primavera Gateway, see the *Gateway Installation and Configuration* guide.

### Installing the Primavera Application Database

Gateway supports integration with the following Primavera applications:

- ▶ P6 Enterprise Project Portfolio Management (P6 EPPM)

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**Note:** When you run Primavera Gateway, and connect to a P6 EPPM database, information about your P6 EPPM installation is needed when you install the P6 Adapter.

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- ▶ Oracle Primavera Prime
- ▶ Primavera Unifier
- ▶ Oracle Instantis EnterpriseTrack

To connect with any of the above applications using Gateway, you will need to install the relevant product and database. For detailed installation instructions, go to <http://www.oracle.com/technetwork/apps-tech/primavera/documentation/index.html>.

## Installing the P6 Adapter

If you want to integrate with P6 EPPM, Primavera Gateway requires you to install the P6 Adapter. See the *Installing and Configuring the P6 Adapter* document in the P6 EPPM documentation library for more information about deploying and configuring the P6 Adapter.



# Gateway Manual Installation On Administration Server

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This chapter describes how to install Primavera Gateway manually on an Admin server with Oracle Web Services Manager.

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## Installing Oracle ADF (11g Only)

For WebLogic 11g, install Oracle ADF as follows:

- 1) Download ADF:
  - a. Go to: <http://www.oracle.com/technetwork/developer-tools/adf/downloads/index.html>
  - b. Select **Application Development Runtime** and download **ADF 11.1.1.7** version.
- 2) Install ADF into the same WebLogic Middleware Home directory where Gateway is installed as follows:
  - a. Change to the Disk1 directory: `cd Disk1`
  - b. Run the installer:  
On Linux and Solaris: `./runInstaller`, and then enter the path to the JDK.  
On Windows: `setup -jreLoc <JAVA_HOME>` where `<JAVA_HOME>` is the path to the JDK. For example, `/unit/u01/java/jdk1.7.0_75`.

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**Note:** The JDK folder name must not contain spaces.

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- c. On the **Welcome** screen, select **Next**.

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

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- d. Skip all Software updates.
  - e. If all prerequisite checks pass, select **Next**.
  - f. On the **Specify Installation Location** screen enter the location of the Middleware\_Home to install ADF.  
You maybe warned about existing oracle\_common being detected. Select **Yes**, if you are sure this is the correct Middleware\_Home.
  - g. On the **Application Server** screen, select **WebLogic**.
  - h. On the **Installation Summary** screen, confirm all settings are correct and select **Install**.
  - i. When install is complete, select **Finish**.
- 3) Proceed to run the RCU. For more details, see *Running the Repository Creation Utility (RCU)* (on page 14).

### Installing Oracle Fusion Middleware Infrastructure (WebLogic 12c Only)

You must run Oracle Fusion Middleware's **fmw\_infra\_<version>.jar** executable only if you are installing Primavera Gateway on a Managed server.

Oracle Fusion Middleware installs specific files that WebLogic 12c needs to work with Primavera Gateway. See the *Tested Configurations* document for supported versions.

These files ensure that the correct templates are used when creating or extending a WebLogic domain. It will also download the Repository Creation Utility (RCU), which you will run later.

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#### Notes:

- Specify the WebLogic home as the Oracle Home for this installation.
  - Rename the derby.jar file to prevent the derby server from start up when Primavera Gateway is restarted.
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Now proceed to run the RCU. For more details, see *Running the RCU on WebLogic 11g* (on page 14).

### Running the Repository Creation Utility (RCU)

Depending on the WebLogic version, use the following procedures to run the RCU.

#### Running the RCU on WebLogic 11g

Oracle Web Services Manager (OWSM) authentication is required to support external REST service authentication in Primavera Gateway. To install the schemas needed to support OWSM authentication, you will need to run the Repository Creation Utility (RCU).

#### Downloading the RCU

- 1) Go to <http://www.oracle.com/technetwork/middleware/soasuite/downloads/soasuite11gdownload-2210918.html>
- 2) In the **Free Oracle SOA Suite 11g Installations** section, select **Generic: 64 bit JVM** in the drop-down.
- 3) Expand and review the **Prerequisites And Recommended Install Process** section.
- 4) Scroll down to **Repository Creation Utility**, select the appropriate 11g version, and then select **Download**.

### Procedure

- 1) To run the RCU:
  - ▶ For Windows installations, run **rcu.bat**. The batch file is located in the <rcu\_home>/bin folder of the downloaded file.
  - ▶ For Linux and Solaris installations, run **./rcu.sh**
- 2) On the **Welcome** screen, select **Next**.

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**Note:** Select **Next** on each screen to advance to the next step.

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- 3) On the **Create Repository** screen, select **Create**.
- 4) On the **Database Connection Details** screen, enter the following details:
  - ▶ **Database Type:** Select Oracle Database.
  - ▶ **Host Name:** The host name or the server IP address for the Primavera Gateway database.
  - ▶ **Port:** A unique port number for the Gateway database schema. Port number **1521** displays by default.
  - ▶ **Service Name:** The global database name. For example, orcl.us.oracle.com.
  - ▶ **Username:** The user name with DBA privileges who can install a schema.
  - ▶ **Password:** The password for user name provided above.
  - ▶ **Role:** Role of the user who will be creating the MDS schema. Select **SYSDBA**.
- 5) On the **Checking Prerequisites** screen, select **OK** if all checks pass.
- 6) On the **Select Components** screen:
  - a. Create a new prefix. Make a note of the prefix you choose. This information is required when you run the Gateway install wizard. For example, GWAY.
  - b. Expand **AS Common Schemas** and in the **Components** section, select the following:
    - **Metadata Services**
    - **Audit Services**
    - **Oracle Platform Security Services**
- 7) On the **Checking Prerequisites** screen, select **OK** if all checks pass.
- 8) On the **Schema Passwords** screen, select the **Use same passwords for all schemas** password method for handling your passwords, and enter the password. Make note of the password you use.
- 9) On the **Map Tablespaces** screen, select the defaults. Make notes of your selections.
- 10) On the **Confirmation** screen, select **OK**.

- 11) On the **Creating Tablespaces** screen, select **OK**.
- 12) On the **Summary** screen, review your selected installation options and select **Create**.
- 13) On the **Completion Summary** screen, select **Close**.

### Running the RCU on WebLogic 12c

Oracle Web Services Manager (OWSM) authentication is required to support external REST service authentication in Primavera Gateway. To install the schemas needed to support OWSM authentication, you will need to run the Repository Creation Utility (RCU).

Run the RCU as follows:

- 1) Go to the location where RCU was installed after you ran rcu.bat (Windows) or rcu.sh (Linux and Solaris).

For example, C:\oracle\Middleware\Oracle\_Home\oracle\_common\bin.

---

**Note:** Edit the **rcu.sh** file located in the  
<WebLogic-home>/oracle\_common/bin folder to ensure that the  
ORACLE\_HOME is set to the Middleware path (Not database). For  
example, SET  
ORACLE\_HOME=ORACLE\_HOME=C:/Oracle/Middleware/Oracle\_H  
ome

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- 2) On the **Welcome** screen, select **Next**.

---

**Note:** Select **Next** on each screen to advance to the next step.

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- ▶ On the **Create Repository** screen, select **Create Repository** and **System Load and Product Load**.

- 1) On the **Database Connection Details** screen, enter the following details:
  - ▶ **Database Type:** Select Oracle Database.
  - ▶ **Host Name:** The host name or the server IP address for the Primavera Gateway database.
  - ▶ **Port:** A unique port number for the Gateway database schema. Port number **1521** displays by default.
  - ▶ **Service Name:** The global database name. For example, orcl.us.oracle.com.
  - ▶ **Username:** The user name with DBA privileges who can install a schema.
  - ▶ **Password:** The password for user name provided above.
  - ▶ **Role:** Role of the user who will be creating the MDS schema. Select **SYSDBA**.
- 2) On the **Checking Prerequisites** screen, select **OK** if all checks pass.
- 3) On the **Select Components** screen:
  - a. Create a new prefix. For example, GWAY. Make a note of the prefix you choose. This information is required when you run the Gateway install wizard.
  - b. Expand **AS Common Schemas** and in the **Components** section, select the following:
    - **Metadata Services**
    - **Audit Services**



- **Audit Services Append**
  - **Audit Services Viewer**
  - **Oracle Platform Security Services**
  - **Common Infrastructure Services**
- 4) On the **Checking Prerequisites** screen, select **OK** if all checks pass.  
On the **Schema Passwords** screen, select the **One password for all components** password method for handling your passwords, and enter the password. Make note of the password you use.
  - 5) On the **Map Tablespaces** screen, select the defaults. Make notes of your selections.
  - 6) On the **Confirmation** screen, select **OK**.
  - 7) On the **Creating Tablespaces** screen, select **OK**.
  - 8) On the **Summary** screen, review your selected installation options and select **Create**.
  - 9) On the **Completion Summary** screen, select **Close**.

### Creating the WebLogic Domain (11g)

Run the Oracle Fusion Middleware Configuration Wizard to create a WebLogic domain as follows:

- 1) On the **Welcome** screen, select **Create a new WebLogic** domain.  

**Note:** Select **Next** to advance to the next screen.
- 2) On the **Select Domain Source**, select **Oracle Enterprise Manager**, **Oracle JRF**, and **Oracle WSM Policy Manager** options.
- 3) On the **Specify Domain Name and Location** screen, enter the following information for the Gateway domain:
  - ▶ **Domain Name:** Enter a name for the Gateway domain.
  - ▶ **Domain Location:** Enter or select **Browse** to specify the location of the **domains** folder.
  - ▶ **Application Location:** Enter or select **Browse** to specify the location of the **applications** folder.
- 4) On the **Configure Administrator User Name and Password** screen, enter the following information:
  - ▶ **Name:** Enter the user name of the WebLogic administrator.
  - ▶ **User Password:** Enter a case-sensitive password for the administrator.
  - ▶ **Confirm User Password:** Re-enter the password.
  - ▶ **Description:** Enter a short description of the user profile.
- 5) On the **Configure Server Start Mode and JDK** screen:
  - ▶ Select **Production Mode**.
  - ▶ Select **Other JDK** to specify the location of the JDK folder.
- 6) On the **Configure JDBC Component Schema** screen, enter the following information:
  - ▶ **Component Schema:** Select the OWSM MDS schema.
  - ▶ **Vendor:** Enter Oracle as the database vendor.

- ▶ **DBMS Service:** Enter the server host name.
  - ▶ **Driver:** Select the JDBC driver that is applicable to the database from the drop-down list.
  - ▶ **Host Name:** Enter the host name of the database server.
  - ▶ **Port:** Enter the port for the database.
  - ▶ **Schema Owner:** Enter a name for the schema owner in the format **<prefix entered at RCU utility>\_MDS**. For example, if the prefix is GWAY, the schema owner is GWAY\_MDS.
  - ▶ **Schema Password:** Enter the case-sensitive password for the schema owner. It is the password that was entered when executing the RCU utility.
- 7) On the **Test JDBC Component Schema** screen, select **Next**.
  - 8) (Optional) If the values of administration server are different from the defaults, specify the following information:
    - a. On the **Select Optional Configuration** screen, select **Administration Server**.
    - b. On the **Configure the Administration Server** screen, enter the following information:
      - **Name:** Enter the name for the administration server.
      - **Listen Address:** Select the listen address for the administration server from the drop-down list.
      - **Listen Port:** Enter the port number for the admin server.
      - **SSL Listen Port:** Enter the port number for the listen port.
      - **SSL enabled:** Check this option to enable SSL.
  - 9) On the **Configuration Summary** screen, select **Create**.

### Creating the WebLogic Domain (12c)

Run the Oracle Fusion Middleware Configuration Wizard to create a WebLogic domain as follows:

- 1) On the **Create Domain** screen, select the following:
  - ▶ **Create a new domain:** Select this option.
  - ▶ **Domain Location:** Enter the location for installing the Gateway domain.

**Note:** Select **Next** to advance to the next screen.
- 2) On the **Create Domain Using Product Templates**, screen select the following options:
  - ▶ **Oracle Enterprise Manager**
  - ▶ **Oracle WSM Policy Manager option.**
  - ▶ **Oracle JRF**
  - ▶ **WebLogic Coherence Cluster Extension**
- 3) On the **Domain Mode and JDK** screen, select the following options:
  - ▶ **Domain Mode:** Select **Production**.
  - ▶ **Other JDK Location:** Specify the folder location of the JDK folder.
- 4) On the **Database Configuration Type** screen, specify the following information:
  - ▶ **Specify AutoConfiguration Options Using:** Select **RCU Data**.

- ▶ **Vendor:** Enter Oracle as the database vendor.
  - ▶ **DBMS/Service:** Enter the server host name.
  - ▶ **Driver:** Select the JDBC driver that is applicable to the database from the drop-down list.
  - ▶ **Host Name:** Enter the host name of the database server.
  - ▶ **Port:** Enter the port for the database.
  - ▶ **Schema Owner:** Enter a name for the schema owner in the format **<prefix entered at RCU utility>\_MDS**. For example, if the prefix is GWAY, the schema owner is GWAY\_MDS.
  - ▶ **Schema Password:** Enter the case-sensitive password for the schema owner. It is the password that was entered when executing the RCU utility.
- 5) On the **JDBC Component Schema**, screen select the following options:
- ▶ **OPSS Audit Schema**
  - ▶ **OPSS Audit Viewer Schema**
- 6) On the **JDBC Component Schema Test** screen, select the **Test Selected Connections** button.
- 7) (Optional) If the values of administration server are different from the defaults, specify the following information:
- a. On the **Advanced Configuration** screen, select **Administration Server**.
  - b. On the **Administration Server** screen, enter the following information:
    - **Server Name:** Enter the name for the administration server.
    - **Listen Address:** Select the Listen address for the administration server from the drop-down list.
    - **Listen Port:** Enter the port number for the administration server.
    - **Enable SSL:** Check this option to enable SSL.
    - **SSL Listen Port:** Enter the port number for the listen port.
    - **Server Groups:** Select **JRF-MAN-SVR**, **WSM-CACHE-SVR** and **WSMPM-MAN-SVR** options.
- 8) On the **Configuration Summary** screen, click **Create**.

## Modifying the Gateway Application File

Before configuring the Gateway domain, modify the Gateway application file, (pdi.ear) as follows:

- 1) Depending on the operating system, go to the following location  
On Windows: **<Gateway Installation folder>\wlst**  
On Linux and Solaris: **<Gateway Installation folder>/wlst**.
- 2) Edit the **swapWebXml** file as follows:
  - ▶ On Windows, edit **swapWebXml.cmd**.
  - ▶ On Linux and Solaris, edit **swapWebXml.sh**.
- 3) Depending on the OS and the WebLogic version replace the file as follows:  
On Windows:

- ▶ (WebLogic 12c), replace **MY\_WEB\_XML\_FILE** with **<Gateway Installation folder>\pdi\snapshots\web\_xml\wl12c\\*.xml**
- ▶ (WebLogic 11g), replace **MY\_WEB\_XML\_FILE** with **<Gateway Installation folder>\pdi\snapshots\web\_xml\wl11g\\*.xml**

On Linux and Solaris:

- ▶ (WebLogic 12c), replace **MY\_WEB\_XML\_FILE** with **<Gateway Installation folder>/pdi/snapshots/web\_xml/wl12c/\*.xml**
- ▶ (WebLogic 11g), replace **MY\_WEB\_XML\_FILE** with **<Gateway Installation folder>/pdi/snapshots/web\_xml/wl11g/\*.xml**

- 4) Replace **MY\_JDK\_HOME** with the Java JDK folder.
- 5) Replace **MY\_PV\_HOME** with **<Gateway Installation folder>**.
- 6) Save the file and close the editor.
- 7) Run the following scripts:
  - ▶ On Windows:  
`cd <Gateway installation folder>\wlst`  
Run the script: `swapWebXml.cmd`
  - ▶ On Linux and Solaris:  
`cd <Gateway installation folder>/wlst`  
Modify the file permissions: **chmod 755 swapWebXml.sh**  
Then run **./swapWebXml.sh**.

### Adding a Data Source

To add a data source:

- 1) Ensure the Primavera Gateway domain is running.
- 2) Log in to the **WebLogic Administration Server Console** for the Gateway domain:
  - a. In a browser, open the following location:  
**http://<hostname>:<port>/console**  
Where, hostname and port is the hostname and port of your Primavera Gateway domain.  
The default port is **7001**.
  - b. Enter the administrator user name and password.
- 3) In the **Change Center** pane, select **Lock and Edit**.
- 4) Expand **Services** and go to **Datasources**.
- 5) Select **New** and select **Generic Datasource**.
- 6) Set the name to **GatewayDB**.
- 7) In the **JNDI Name** field, enter **jdbc/pdi**.
- 8) Select **Next**.
- 9) Select **Next**.
- 10) Enter database connection properties for the Primavera Gateway schema. Use the **Application User Name** you set when you installed the Gateway schema.
- 11) Review the information and select **Test Configuration**, then select **Next**.

- 12) In the **Target** field, select **AdminServer**.
- 13) Select **Finish**.
- 14) Select **Activate Changes**.

## Creating Users and Associating them with a Role

Create roles for PDI authentication as follows:

- 1) Ensure the Primavera Gateway domain is running.
- 2) Log in to the WebLogic Administration Server Console for the Gateway domain:
  - a. In a browser, open the following location:  
**http://<hostname>:<port>/console**  
Where, hostname and port is the hostname and port of your Primavera Gateway domain.  
The default port is **7001**.
  - b. Enter the administrator user name and password.
- 3) Select **Lock & Edit**.
- 4) Select **Security Realms**.
- 5) Select **myrealm**.
- 6) Select the **Roles and Policies**, tab.
- 7) Select **Global Roles**, and **Roles**
  - a. Enter the role: PrimaveraGatewayAdmin
  - b. Set **Group** = PrimaveraGatewayAdmin
  - c. Select **Add Conditions**, and then select **Group** for "Predicate List".
  - d. Select **Next**.
  - e. Enter the group name. Group names must be identical to the created role. For example, PrimaveraGatewayAdmin.
  - f. Select **Add**, then **Finish**.
  - g. Select **Save**.

Repeat Step 7 and create the roles, PrimaveraGatewayDeveloper and PrimaveraGatewayUser.

- ▶ For the PrimaveraGatewayDeveloper role, set **Group** = PrimaveraGatewayDeveloper
- ▶ For the PrimaveraGatewayUser role, set **Group** = PrimaveraGatewayUser

- 8) Select **Activate Changes**.

### Using the DefaultAuthenticator

- 1) Go to **Users and Groups** tab and create the following groups:
  - ▶ PrimaveraGatewayAdmin
  - ▶ PrimaveraGatewayDeveloper
  - ▶ PrimaveraGatewayUser
- 2) Create users and assign them to the groups listed above.

## Deploying JSTL

Check if JSTL is deployed. Otherwise, deploy JSTL as follows:

- 1) Depending on the operating system and WebLogic version, go to the following location:

WebLogic 11g:

- ▶ Windows: Go to <WebLogic Home>\wlserver\_10.3\bin
- ▶ Linux and Solaris: Go to <WebLogic Home>/wlserver\_10.3/bin

WebLogic 12c:

Windows: Go to: <WebLogic Home>\wlserver\bin

Linux and Solaris: Go to <WebLogic Home>/wlserver/bin

- 2) Run:

- ▶ (For Windows) **setWLSEnv.cmd**
- ▶ (For Linux and Solaris) **setWLSEnv.sh**

- 3) Run the following command:

```
java weblogic.Deployer -adminurl t3://<Host Name>:<Port number> -user  
<WebLogic User Name> -password <WebLogic Password> -deploy -library  
<WebLogic Server Home  
Directory>/common/deployable-libraries/jstl-1.2.war
```

## Deploying Primavera Gateway in WebLogic

- 1) Log in to the **WebLogic Administration Server Console** for the Gateway domain:
  - a. In a browser, open the following location:  
**http://<hostname>:<port>/console**  
Where, hostname and port is the hostname and port of your Primavera Gateway domain.  
The default port is **7001**.
  - b. Enter the administrator user name and password.
- 2) In the **Welcome** window, log in using the user name and password that you created when you created your WebLogic domain.
- 3) In the **Change Center** pane, select **Lock & Edit**.
- 4) In the **Domain Structure** pane, select **Deployments**.
- 5) In the **Summary of Deployments** pane, in the **Control** tab, select **Install**.
- 6) In the **Install Application Assistant** pane:
  - a. Navigate to <Gateway\_Home>\pdi\snapshots folder.
  - b. Select the **pdi.ear** file.

---

**Note:** Select **Next** on each screen to advance to the next step.

---

- c. Select **Install this deployment as an application**.
- 7) Review the configuration settings you have chosen, then select **Finish** to complete the installation.
  - 8) In the **Settings for Primavera** window, select **Save**.

- 9) Select **Activate Changes**.

### Setting JVM Arguments in WebLogic

To set JVM arguments in WebLogic:

- 1) Log in to the **WebLogic Administration Server Console** for the Gateway domain:
  - a. In a browser, open the following location:  
**`http://<hostname>:<port>/console`**  
Where, hostname and port is the hostname and port of your Primavera Gateway domain.  
The default port is **7001**.
  - b. Enter the administrator user name and password.
- 2) In the **Change Center** pane, select **Lock and Edit**.
- 3) Expand **Services** and select **Servers**.
- 4) Select **AdminServer**, and then select the **Server Start** tab
- 5) In the **Arguments** field, enter: `-XX:MaxPermSize=256m -Xms1024m -Xmx1024m -Duser.timezone=UTC`
- 6) Select **Save**.
- 7) Select **Activate Changes**.

### Adding the OWSM Policy to the Application

To ensure Primavera Gateway and other APIs work, you need to setup the OWSM policy.

To configure the WSM policy:

- 1) Log in to Oracle Enterprise Manager for the Primavera Gateway application:  
**`http://<host>:<port>/em`**
- 2) Expand the **Weblogic Domain** node and select the Primavera Gateway domain node.
- 3) Select **Web Services**, and then select the policy as follows:  
For WebLogic 12c, select **WSM Policy Sets**.  
For WebLogic 11g, select **Policy Sets**.
- 4) On the **WSM Policy Set Summary** screen, select **Create**.
- 5) Create two policy sets: **Gateway\_REST\_API\_Service** and **Gateway\_REST\_API\_Service\_Session**.
  - a. For each policy set, add the following details:
    - **Name:** Enter a descriptive name for the WSM policy set.
    - **Enabled:** Ensure this option is selected.
    - **Type of Resources:** Select the following value.  
For WebLogic 12c, select **RESTful Resource**.  
For WebLogic 11g, select **REST Resource**.
    - **Description:** Enter **Default policy for Gateway REST API Session**.
    - Select **Next**.
  - b. Depending on the WebLogic version, enter the following values:

(WebLogic 12c) In the **RESTful Application, Service, or Web Service Endpoint Name** field, enter **Gateway\_REST\_API\_Service** or **Gateway\_REST\_API\_Service\_Session** for the relevant policy set, and select **Next**.

(WebLogic 11g) In the **SOA Service or Web Endpoint Name** field, enter **Gateway\_REST\_API\_Service** or **Gateway\_REST\_API\_Service\_Session** for the relevant policy set, and select **Next**.

- c. On the **Enter Constraints** page, select **Next**.
- d. Attach the basic authentication policy as follows:
  - Select **oracle/wss\_http\_token\_service\_policy** from the bottom grid.
  - Select the **Attach** button.
  - Select **Next**.
- e. On the **Summary** screen, select **Save**.

This completes setting up OWSM for using external web services of Primavera Gateway.

### Starting the Application in WebLogic

To start the application in WebLogic:

- 1) Log in to the WebLogic Administration console.
  - a. In a browser, open the following location:  
**http://<hostname>:<port>/console**  
Where, hostname and port is the hostname and port of your Primavera Gateway domain.  
The default port is **7001**.
  - b. Enter the administrator user name and password.
- 2) In the **Change Center** pane, click **Activate Changes**.
- 3) In the **Domain Structure** pane, click **Deployments**.
- 4) In the **Summary of Deployments** pane, select **pdi**.
- 5) In the **Summary of Deployments** pane, in the **Control** tab:
- 6) Select the down arrow to the right of the **Start** button.
- 7) Select **Servicing all requests**.
- 8) In the **Start Application Assistant** pane, select **Yes**.
- 9) In the **Summary of Deployments** pane, view the link in the **State** column of the row that contains 'pdi.' Wait a few minutes, then select **Refresh**.  
The **State** column should show **Active**. If the state is **Start Running**, refresh the screen until the status is changed to **Active**.
- 10) Logout of the **Administration Console**.
- 11) Navigate to the login page to ensure the deployment worked.  
Example URL:  
**http://host:port/pdi**  
where *host* is your server's *host* name and port is the listen port.



## Starting WebLogic

To start WebLogic:

- 1) Change to **<WebLogic\_Home> /user\_projects/domains/<gateway\_domain>/bin** directory.
- 2) Run the following script to start WebLogic:  
On Windows, run **startWeblogic.cmd**.  
On Linux and Solaris, run **./startWeblogic.sh**.
- 3) If prompted for a user name and password in the WebLogic console window, type in the administrative user name and password you specified when creating the domain.

## Stopping WebLogic

To stop WebLogic:

- 1) Change to **<WebLogic\_Home> /user\_projects/domains/<gateway\_domain>/bin** directory.
- 2) Run the stopWebLogic script.  
On Windows, run **stopWeblogic.cmd**  
On Linux, run **./stopWeblogic.sh**
- 3) If prompted for a user name and password in the WebLogic console window, type in the administrative user name and password you specified when creating the domain.



# Post-Installation Tasks

---

After installing Primavera Gateway, proceed to provision users and configure other settings for your application.

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### Using the Gateway Configuration Utilities

The following configuration utilities are provided in Primavera Gateway. Run each utility for the purpose described below:

- ▶ **Gateway-P6Setup:** Run this utility to add User Defined Fields (UDFs) and codes to P6 EPPM.

Access the Gateway-P6Setup utility from the  
**<Primavera\_Gateway\_Home>\pd\lsnapshots\dbsetup-dist** folder or the  
**<INSTALLER\_FOLDER>\GatewayUtility** folder.

- ▶ **Gateway-Configuration:** Run this utility to manage metadata, and add or remove providers and customizations.

The following configuration options are available:

- ▶ Manage Gateway metadata
- ▶ Manage providers
- ▶ Manage customizations

Access the Gateway-Configuration utility from the  
**<Primavera\_Gateway\_Home>\pd\lsnapshots\dbsetup-dist** folder or the  
**<INSTALLER\_FOLDER>\GatewayUtility** folder.

---

**Note:** Before executing the utilities on Windows, Linux, or Solaris, ensure the following:

- The **bin** folder of the supported Java JDK is included in the PATH.
  - If there are other JDK bin folders in the PATH, then the supported Java JDK should be listed first.
- 

### Adding User-Defined Fields (UDFs) and Codes to P6 EPPM

You have the option to add User-Defined Fields (UDFs) and codes to P6 EPPM and to prepare the P6 EPPM database for synchronizing the data. Use this procedure to also add UDFs and codes from Oracle Primavera Prime, Primavera Unifier, to P6 EPPM.

For example, if your application has UDFs or codes that P6 EPPM does not have, you can add these UDFs or codes using an XML file that you edit and then point to it in the Gateway Configuration utility. The XML file needs to conform to the DataConfiguration.xsd schema. For more information on the DataConfiguration.xsd schema, see the *Primavera Gateway Developer's Guide*.

To add your application UDFs or codes to P6 EPPM:

- 1) Ensure that your **JAVA\_HOME** variable is pointing to a supported JDK folder.

---

**Note:** Ensure the following:

- The **bin** folder of the supported Java JDK is included in the PATH.
  - If there are other JDK bin folders in the PATH, it should be listed first.
- 

- 2) Navigate to the **<Primavera\_Gateway\_Home>/pdi/snapshots/dbsetup-dist** folder.
- 3) If you are installing on a non-Microsoft Windows system, type the following command to give execute permission for the utility:  
**chmod 755 Gateway-P6Setup.sh**
- 4) Run the following command:
  - ▶ For Windows installation, run **Gateway-P6Setup.bat**
  - ▶ For Linux and Solaris installations, run **./Gateway-P6Setup.sh**
- 5) Enter the following information in the **Primavera P6 Data Setup Utility** dialog box:
  - a. In the **P6 Admin User Name** field, enter the user name of a user who has admin privileges on the P6 deployment.
  - b. In the **P6 Admin Password** field, enter the password of the admin user.
  - c. In the **P6 Adapter Endpoint URL** field, enter the address of the **SyncServiceV1 wsd** file that is served by the P6 adapter you deployed as a prerequisite. This address would follow the format:  
**<protocol>://<hostname>:<port number>/p6adapter/services/SyncServiceV1?wsdl**
  - d. In the **P6 database instance ID**, enter the system ID (SID) for the P6 database instance.
  - e. In the **P6 Data XML File Path**, enter or select **Browse** to specify the path to the XML file that you modified with the UDFs or codes which you want to add to P6 EPPM.  
For a P6 EPPM with Sample provider integration, ensure you have installed the Sample provider, and now select the **SampleP6DataSetup.xml** in the **<Primavera\_Gateway\_Home>\sample\sampleprovider\data\p6data** folder. The path you enter must be the absolute path to the file.  
For a P6 EPPM with Oracle Primavera Prime integration, select the **PrimeP6DataSetup.xml** file in the **<Primavera\_Gateway\_Home>\primeprovider\data\p6data** folder. The path you enter must be the absolute path to the file.  
For a P6 EPPM with Primavera Unifier integration, locate the **UnifierP6DataSetup.xml** file for the Unifier provider. The path you enter must be the absolute path to the file.  
For a P6 EPPM with any third-party enterprise application integration, select the relevant **<third-party provider P6datasetup>XML** file from the **data** folder. The path you enter must be the absolute path to the file.

- f. Select **Run**. The UDFs or codes will be imported into the P6 EPPM deployment you selected.
- g. Select **Finish** to close the utility.

### Adding P6 User-Defined Fields and Codes to Providers

To have additional P6 UDFs and codes available for synchronization and field mapping templates for a selected provider, the UDFs and codes must be included in the:

- ▶ metadata.xml
- ▶ P6ExtraMetaData.xml
- ▶ PDIExtraMetaData.xml

#### Adding P6 UDFs and Codes to the Sample Provider

Add UDFs or codes in the P6ExtraMetaData and PDIExtraMetaData files in the **<Primavera\_Gateway\_Home>\sample\sampleprovider\data\p6** folder.

#### Adding P6 UDFs and Codes to the Prime Provider

Add UDFs or codes in the P6ExtraMetaData and PDIExtraMetaData file in the **<Primavera\_Gateway\_Home>\primeprovider\data** folder.

#### Adding P6 UDFs and Codes to the Unifier Provider

Add UDFs or codes in the PDIExtraMetaData.xml file in the **<Primavera\_Gateway\_Home>\unifierprovider\data** folder.

#### Adding P6 UDFs and Codes for Third-party Providers

For all third-party providers, add UDFs or codes in the P6ExtraMetaData.xml and PDIExtraMetaData.xml files located under the **data** folder of the third-party provider.

**Note:** Ensure that **P6data** folder is listed before the third-party provider folders. Otherwise the third-party provider fails to load.

### Adding, Updating, or Customizing Gateway Metadata

After modifying the P6ExtraMetaData and PDIExtraMetaData files, run the **Gateway-Configuration** utility to add your application's UDFs or Codes in the Gateway metadata. The utility is located in the following location:

- ▶ On Windows, go to **C:\<Primavera\_Gateway\_Home>\pdi\snapshots\dbsetup-dist**
  - ▶ On Linux and Solaris, go to **C:/<Primavera\_Gateway\_Home>/pdi/snapshots/dbsetup-dist**
- 1) Navigate to the **<Primavera\_Gateway\_Home>/pdi/snapshots/dbsetup-dist** folder.
  - 2) If you are installing on a non-Microsoft Windows system, type the following command to give execute permission for the utility:
 

```
chmod 755 Gateway-Configuration.sh
```
  - 3) Run the following command:
    - ▶ For Windows installations, run **Gateway-Configuration.bat**
    - ▶ For Linux and Solaris installations, run **./Gateway-Configuration.sh**

- 4) In the **Primavera Gateway Configuration Utility** dialog box, enter the following information:
  - a. Select **Manage Metadata**, and select **Next**.
  - b. Select any of the following options to manage Gateway metadata and select **Next**.
    - **Replace Gateway Metadata**
    - **Update Gateway Metadata**
    - **Customize Gateway Metadata**

---

**Note:** The **Customize Gateway Metadata** option only updates the Gateway database with metadata.

---

- 5) Based on the **Manage Metadata** option selected in the previous step, enter the following database connection details:
  - a. In the **DBA User Name** field, enter the user name of the oracle database administrator.
  - b. In the **DBA Password** field, enter the password of the oracle database administrator.
  - c. In the **Database Host** field, enter the host name of the Oracle database on which you will be updating the Primavera Gateway database.
  - d. In the **Database Host Port** field, enter the port number of the Oracle database.
  - e. In the **Database Name** field, enter the Gateway database name and select any of the following methods to connect to the database.
    - In the **SID** field, enter the SID of the Oracle database.
    - In the **Service** field, enter the service name of the Oracle database.
  - f. In the **Schema Owner** field, enter the schema owner name.
  - g. In the **Schema Password** field, enter the password for the schema owner.
  - h. In the **Provider data folder** field, verify the path name for the following, as applicable:
    - If you are using the Sample provider, then verify that this field contains the default Sample directory that contains all the Sample XML metadata/mapping templates.
    - If you chose to install additional providers, then verify that this field contains the home directory for each provider. The XML files in the associated **data** subdirectory must include all the required data to load metadata and mapping templates.

For more information about these files, see the *Gateway Developer's Guide*.

To add providers, select **Add** and locate the **data** folder for each provider you wish to add.

To remove providers, select a provider and select **Remove**.

- i. In the **Gateway Data Folder** field, verify the path name to the PDI data folder. For example, C:/PrimaveraGateway/pdi/data.
- j. If you chose to **Customize Gateway Metadata**, then specify the XML file in the **Customization XML** field. Enter the path name or select **Browse** and locate the Customization.xml file for the specific provider.

---

**Note:** This field displays only when you select the Customize Gateway Metadata option.

---

- k. Select **Test Connection**. If the connection fails, modify the applicable fields and repeat as necessary.

- I. Select **Run** to run the configuration utility.

## Adding or Removing Providers

To add or remove providers, including Primavera providers, to Primavera Gateway:

- 1) Stop the Gateway domain before adding or removing providers or customizations.
- 2) Ensure the following:
  - ▶ The **bin** folder of the supported Java JDK is included in the PATH.
  - ▶ If there are other JDK bin folders in the PATH, they should be listed first.
- 3) Navigate to the **<Primavera\_Gateway\_Home>/pdi/snapshots/dbsetup-dist** folder.
- 4) If you are installing on a non-Microsoft Windows system, type the following command:  
**chmod 755 Gateway-Configuration.sh**
- 5) Run the following command:
  - ▶ For Windows installations, run **Gateway-Configuration.bat**
  - ▶ For Linux and Solaris installations, run **./Gateway-Configuration.sh**.
- 6) In the **Primavera Gateway Configuration Utility** dialog box, enter the following information:
  - a. Select **Manage Providers**, and click **Next**.  
 Selecting this option updates the pdi.ear file and the Gateway database with custom metadata from the XML files.
  - b. In the **Select Gateway ear file (pdi.ear) location**, enter or click **Browse** to locate the .ear file.
  - c. In the **Gateway domain location** field, enter or click **Browse** to specify the Gateway domain.
  - d. In the **Installed Gateway Providers** field, review the list of providers displayed and perform any of the following actions:
    - To add a provider, click **Add Provider Location**, and navigate to the location of the provider.
    - To remove a provider listed in the Gateway user interface, select the provider and click **Remove**.
    - To delete a provider from the database and the pdi.ear file, select the **Delete** option and click **Remove**.
- 7) Enter the following database connection details:
  - a. In the **DBA User Name** field, enter the name of the database administrator.
  - b. In the **DBA Password** field, enter the password for the database administrator.
  - c. In the **Database Host** field, enter the host name of the Oracle database on which you will be updating the Primavera Gateway database.
  - d. In the **Database Host Port** field, enter or verify the port number of the Oracle database.
  - e. In the **Database Name** field, enter the Gateway database name and select any of the following methods to connect to the database.
    - In the **SID** field, enter the SID of the Oracle database.
    - In the **Service** field, enter the service name of the Oracle database.

- f. In the **Schema Owner** field, enter the database user name to be used for the Primavera Gateway database. (This name should match the **Schema Owner** name when you installed Primavera Gateway.)
- g. In the **Schema Password** field, enter the database password to be used for the Primavera Gateway database.
- h. Select **Test Connection**. Modify the applicable fields if the connection fails and repeat as necessary.
- i. Click **Update**. The status field displays a success message.
- j. Click **Finish** to exit the configuration utility.

---

**Note:** Redeploy pdi.ear to ensure the changes are reflected in Primavera Gateway.

---

### Adding or Removing Customizations

Use this procedure if a customization includes include XML files, jar files, and other files such as Java customization.

---

**Note:** If a customization does not include any jar files, and uses Groovy customization, then upload the XML file from the Gateway user interface.

---

To add or remove customization files in Gateway:

- 1) Stop the Gateway domain before adding or removing providers or customizations.
- 2) Ensure the following:
  - ▶ The **bin** folder of the supported Java JDK is included in the PATH.
  - ▶ If there are other JDK bin folders in the PATH, it should be listed first.
- 3) Navigate to the **<Primavera\_Gateway\_Home>/pdi/snapshots/dbsetup-dist** folder.
- 4) If you are installing on a non-Microsoft Windows system, type the following command for execute privileges:  
**chmod 755 Gateway-Configuration.sh**
- 5) Run the following command:
  - ▶ For Windows installations, run **Gateway-Configuration.bat**
  - ▶ For Linux and Solaris installations, run **./Gateway-Configuration.sh**
- 6) In the **Primavera Gateway Configuration Utility** dialog box, enter the following information:
  - a. Select **Manage Customizations**, and select **Next**.  
Selecting this option updates the pdi.ear file and the Gateway database with custom metadata from the customization XML files.
  - b. In the **Select Gateway ear file (pdi.ear) location**, enter or select **Browse** to locate the .ear file.
  - c. In the **Installed Gateway Customizations** field, review the list of customization files displayed in the dialog box, and perform any of the following actions:
    - To add a customization, select **Add Customization**, and navigate to the folder location of the customization file.



- To remove a customization from the list, select a specific customization, and select **Remove**.
  - To delete a customization from the database and the pdi.ear file, select the **Delete** option and select **Remove**.
- 7) Enter the following database connection details:
- ▶ **DBA User Name:** Enter the name of the database administrator.
  - ▶ **DBA Password:** Enter the password for the database administrator.
  - ▶ **Database Host:** Enter the host name of the Oracle database on which you will be updating the Primavera Gateway database.
  - ▶ **Database Host Port:** Enter the port number of the Oracle database.
  - ▶ **Database Name:** Enter the Gateway database name and select any of the following methods to connect to the database.
    - **SID:** Enter the SID of the Oracle database.
    - **Service:** Enter the service name of the Oracle database.
  - ▶ **Schema Owner:** Enter the name of Gateway schema owner. (This name should match the name that was entered when you installed Primavera Gateway.)
  - ▶ **Schema Password:** Enter the password for the schema owner.
  - ▶ Select **Test Connection**. Modify the applicable fields if the connection fails and repeat as necessary.
  - ▶ Select **Update**. The status field displays a success message.
  - ▶ Select **Finish** to exit the configuration utility.

## Configuring Deployment Targets

For each provider installed in Primavera Gateway, you must specify a deployment target in the Gateway user interface.

### Configuring the P6 Deployment Target

To configure the P6 deployment target:

- 1) Using a browser, enter the Primavera Gateway URL.

<hostname>:<port number>/pdi

Where, <hostname> and <port number> should match those of your Primavera Gateway domain.

- 2) Log in to Primavera Gateway with Gateway Administration credentials.

---

**Note:** You must be assigned the PrimaveraGatewayAdmin role.

---

- 3) In Primavera Gateway, select the **Configuration** tab, **Deployments**.  
A list of providers added at installation display.
- 4) In the **Provider Name** column, select **P6 Provider** and select the **Edit** button.
- 5) On the **Edit Deployment General** page, complete the fields as applicable.

---

**Note:** Select **Next** on each wizard dialog box to advance to the next step.

---

- 6) On the **Deployment Configuration** page, enter the following information:
- In the **User Name** field, enter a user name of a user who has admin privileges on the P6 deployment.
  - In the **Password** field, enter the password of the admin user.
  - In the **Endpoint** field, enter the address of the sync service that is served by your P6 adapter that you deployed as a prerequisite. This address would follow this format:  
`<protocol>://<hostname>:<port number>/p6adapter/services/SyncServiceV1`
  - If encryption is to be enabled, select **Enable Encryption** and enter the following information:
    - In the **Keystore File** field, select **Browse...** and locate the keystore file.
    - In the **Keystore Password** field, enter the keystore password.
    - In the **Certificate Alias** field enter a certificate alias.

---

**Note:** The information you enter here must be consistent with the information used when deploying the P6 Adapter.

---

- In the **P6 Currency** field, enter the base currency for your P6 deployment.  
If necessary, log into P6 to obtain the base currency used by your P6 deployment.
- Select **Save**.

---

### Enabling Encryption Between Primavera Gateway and P6 Adapter

To ensure all requests and responses between Primavera Gateway and P6 Adapter are encrypted:

- Create a Keystore file:
  - Create a folder, for example, C:\keystore.
  - Create a keystore with the private key. For example, by using the Java keytool genkey command. From the command line, execute:  

```
keytool -genkey -alias <alias_name> -keyalg RSA -sigalg SHA1withRSA -keypass <keyPassword> -storepass <storePassword> -keystore <keystore file location>
```

Where:

    - <alias> is the key alias
    - <keyPassword> is the password of the private key
    - <storePassword> is the password of the keystore

For example:

```
keytool -genkey -alias myAlias -keyalg RSA -sigalg SHA1withRSA -keypass myPassword -storepass myPassword -keystore c:\keystore\keystore.jks
```
- Enter information for each of the following questions:
  - What is your first and last name?

Enter the Gateway host name.

- What is the name of your organization?
- What is the name of your city or locality?
- What is the name of your State or Province?
- What is the two-letter country code for this unit? For example, US.
- Is CN=<Gateway host name>, OU=<organization unit name>, O=<organization name>, L=<location>, ST=<state code>, C=<country code> correct? Enter Y or N.

**Note:** If P6Adapter is deployed on other than a Gateway machine, then copy the keystore folder with keystore.jks to the P6Adapter machine.

- 2) In the Gateway user interface, select the **Configuration** tab and enter deployment information for P6.
- 3) In P6 EPPM administration application, enter the keystore information that was entered in the Keystore file. The values must be identical.
- 4) In the P6 EPPM administration application, modify the message protection node setting as follows:
  - ▶ **Require Timestamp:** True
  - ▶ **Require Digital Signature for Incoming Messages:** True
  - ▶ **Require Encryption for Incoming Messages:** True
  - ▶ **KeyStore Type:** JKS
  - ▶ **File Location:** c:\keystore\keystore.jks
  - ▶ **KeyStore Password:** <password for the keystore file provided in keytool command>
  - ▶ **Private Key Alias:** <alias name provided in keytool command>
  - ▶ **Private Key Password:** <private key password for the keystore file provided in the keytool command>
  - ▶ **Encrypt Response:** True
- 5) After encryption is set, restart the P6 adapter domain in WebLogic.

## Configuring Provider Deployment Targets

To configure provider deployments, including Primavera providers:

- 1) Using a browser, enter the Primavera Gateway URL.  
 <hostname>:<port number>/pdj  
 Where, the <hostname> and <port number> should match those of your Primavera Gateway domain.
- 2) Log into Primavera Gateway with Gateway Administration credentials.

**Note:** You must be assigned the PrimaveraGatewayAdmin role.

- 3) In Primavera Gateway, select the **Configuration** tab, **Deployments**.  
 A list of providers added at installation display.
- 4) In the **Provider Name** column, select the provider and select the **Edit** button.

- a. In the **Edit Deployment General** and **Edit Deployment Configuration** pages, complete the applicable fields for your provider deployment.
- b. Select **Save**.

# Legal Notices

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## Oracle Primavera Prime Gateway Manual Deployment Guide

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