PRIMAVERA

P6 EPPM Oracle Identity Manager Configuration Guide
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Introduction

This document assists administrators in configuring Oracle Identity Manager (OIM) to use with P6 EPPM. OIM is an enterprise identity management system that centrally administers user accounts and access privileges. It manages the entire user identity lifecycle to help your organization meet changing business and regulatory requirements and provides essential auditing, reporting, and compliance functionality.

About Connecting Oracle Identity Manager to P6

The OIM connector includes a resource directory with all user attributes and two files—a JAR file to communicate with P6 EPPM and a dynamically generated XML file representing P6 users and their properties.

As an administrator, you can take advantage of the OIM connector to provision P6 EPPM users. With the help of P6 EPPM Web Services, the OIM connector helps you administer the complete user identity life cycles of P6 users. As a primary example, when you create a new user in OIM, it will also create a new user with the same user login name, password, email address, and personal name in the P6 EPPM database.

The core attributes and operations supported by the connector are listed below.

Attributes

The following user attributes are managed:

- Login Name
- Password
- email Address
- Personal Name

Operations

The following operations are supported:

- Create User: Add a new user in P6 via OIM.
- Modify User: Modify an attribute, such as an email address or personal name, in P6 via OIM.
- Delete User: Remove a user in P6 via OIM.

Installing the OIM Applications

Follow the steps below to install OIM and the other applications needed to use OIM:

1) Install Oracle Identity Manager (OIM). Refer to the following URL for documentation specific to this release: http://download.oracle.com/docs/cd/E14571_01/install.1111/e12002/install001.htm#CIHEJIIG
2) After installing and configuring the Oracle Identity Manager Server for the first time, you must start the Oracle Identity Manager Managed Server. For information about starting the server, see "Starting the Stack" (http://download.oracle.com/docs/cd/E14571_01/install.1111/e12002/start_stop001.htm#CHDDIFCD) in the Oracle Identity Manager documentation (http://download.oracle.com/docs/cd/E14571_01/install.1111/e12002/oidonly009.htm).
3) Install P6 and P6 EPPM Web Services. Check that you have OIM, P6, and P6 EPPM Web Services up and running before moving on to the next step. P6 EPPM Web Services must be configured to run in cookie-based authentication mode.
4) Log in to Primavera P6 Administrator and complete the following:
   a. Expand **Primavera P6 Confguration**, **Web Services**, **Security**, and **Message Protection** and then set the following settings as **false**:
      - **Require Digital Signatures for Incoming Messages**
      - **Require Encryption for Incoming Messages**
      - **Encrypt Response**
5) Download the Oracle Identity Manager Connector for Primavera P6.
6) Extract the ZIP archive.
7) Copy the following Primavera-P6-EPPM.properties files to the **<IDM_Home>\server\connectorResources** directory:
   - Primavera-P6-EPPM.properties
   - Primavera-P6-EPPM_de.properties
   - Primavera-P6-EPPM_en.properties
   - Primavera-P6-EPPM_en_US.properties
   - Primavera-P6-EPPM_es_MX.properties
   - Primavera-P6-EPPM_fr.properties
   - Primavera-P6-EPPM_ja.properties
   - Primavera-P6-EPPM_pt_BR.properties
   - Primavera-P6-EPPM_ru.properties
   - Primavera-P6-EPPM_zh_CN.properties
   - Primavera-P6-EPPM_zh_TW.properties
8) Copy **primavera-p6eppm-prov.jar** to the **<IDM_Home>\server\JavaTasks** directory.
9) Copy **p6ws-jaxws-client.jar** to the **<IDM_Home>\server\ThirdParty** directory.

> **Note**: The p6ws-jaxws-client.jar is not included in the OIM Connector ZIP archive; it is in the P6 EPPM Web Services client folder (for example, `<EPPM_HOME>\ws\client\Java\JAX-WS\stubs`).

10) Save **PrimaveraP6EPPMProvOIM11gR2.xml** to a local drive.

11) (Only if applicable; otherwise, skip this step.) If you are using a WebLogic application server and the default settings are unsuccessful after first skipping this step:

In Windows:

a. Edit the **StartWebLogic.cmd** file located in **weblogic_home\user_projects\domains\your_domain\bin** directory.

b. Add **<IDM_HOME>\server\ThirdParty\p6ws-jaxws-client.jar** as part of the **CLASSPATH**.

For example:

set CLASSPATH=<IDM_HOME>/server/ThirdParty/p6ws-jaxws-client.jar;%SAVE_CLASSPATH%

where <IDM_HOME> is your IDM home directory (for example, C:\oracle\Middleware\Oracle_IDM1)

c. Copy the **p6ws-jaxws-client.jar** to the **weblogic_home\user_projects\OIM_domain\lib** directory.

In Unix:

d. Edit the **StartWebLogic.sh** file located in **weblogic_home/user_projects/domains/your_domain/bin/** directory.

e. Add **<IDM_HOME>/server/ThirdParty/p6ws-jaxws-client.jar** as part of the **CLASSPATH**.

For example:

SAVE_CLASSPATH="<IDM_HOME>/server/ThirdParty/p6ws-jaxws-client.jar:${CLASSPATH}"

where <IDM_HOME> is your IDM home directory (for example, test/Middleware/Oracle_IDM1)

f. Copy the **p6ws-jaxws-client.jar** to the **weblogic_home/user_projects/OIM_domain/lib** directory.

12) Set the **XEL_HOME** variable in the **setenv** file:

In Windows:

a. Edit the **setenv.bat** file located in **<IDM_HOME>\server\bin**.

b. Set the path of the XEL_HOME variable to the absolute path of <IDM_Home>\server.

For example, if your IDM_Home is the C:\oracle\Middleware\Oracle_IDM1, then your path will look as follows:

set XEL_HOME=C:\oracle\Middleware\Oracle_IDM1\server

In Unix:

c. Edit the **setenv.sh** file located in **<IDM_HOME>/server/bin/**.

d. Set the path of the XEL_HOME variable to the absolute path of <IDM_Home>/server.

For example, if your IDM_Home is the test/Middleware/Oracle_IDM1, then your path will look as follows:

XEL_HOME="test/Middleware/Oracle_IDM1/server"

13) Restart the OIM WebLogic Server.

Configuring OIM

Complete these steps before you begin connecting OIM and P6.

1) Login to the OIM sysadmin console as an administrative user.
   For example:
   http://*OIM_Host*:14000/sysadmin
2) In the **System Configuration** section, click **Lookup**.
3) Click **Search** and scroll to find **Lookup.USR_PROCESS_TRIGGERS**.
4) Select **Lookup.USR_PROCESS_TRIGGERS**.
5) Change the Meaning for two codes:
   a. Click the **Edit** button.
   b. Locate **USR_FIRST_NAME**.
   c. In the **Meaning** column, enter **Change Personal Name**.
   d. Locate **USR_LAST_NAME**.
   e. In the **Meaning** column, enter **Change Personal Name**.
6) Create a new code and meaning:
   a. Click the **Create** button.
   b. In the **Meaning** column, enter **Change Email**.
   c. In the **Code** column, enter **USR_EMAIL**.
7) Click **Save** and click **OK** to close the dialog box.

Configuring the OIM Application to Work with P6

Follow the steps below to configure OIM and the other applications needed to use OIM:

1) Login to the OIM sysadmin console as an administrative user.
   For example:
   http://*OIM_Host*:14000/sysadmin
2) Under the **System Configuration** section, choose **Import**.
3) In the **Deployment Manager - Import** dialog box:
   a. Browse to the **PrimaveraP6EPPMProvOIM11gR2.xml** file and select it.
   b. Select **Add File**.
   c. Enter the P6 EPPM Web Services parameters.
   d. Select **View selections**.

> **Note**: If a red X displays next to the **UD_PM_USER** parameter, a user already attempted to import or export that UD_PM_USR version. Right-click **UD_PM_USR** and select **Remove**.

e. Select **Import** to complete the process.

4) In the **Provisioning Configuration** section, click **IT Resource**.
5) Search for **Primavera EPPM Resource** and verify the Primavera Resource information you imported is correct.
6) In the **Configuration** section, click **Application Instances** then click **Create**.
   a. Enter your information in the **Fill Name** and **Display Name** fields.
   b. In **Resource Object** field, choose **Primavera P6 EPPM User**.
   c. In **IT Resource Instance** field, choose **Primavera P6 EPPM IT Resource**.
   d. Click **Save**.

> **Note**: In OIM11gR2, you can provision users through **Application Instances**.

Provisioning Users for OIM

Once you have configured OIM and P6, you will need to provision users in OIM. Provisioning users will ensure you can manage (create, delete, modify) user's profiles through both OIM and P6. For more information on provisioning, see the documentation included with OIM.

Provisioning Users for P6

To provision users from OIM for P6:

1) Launch OIM Identity Self Service Console.
   For example:
   http://*OIM_Hos*t:14000/oim
2) In the **Manage** section, click **Users**.
3) Create a new user.
4) In the **Accounts** tab, click **Request Accounts**.
5) In the **Catalog**, select the **Application Instance** and click **Add to Cart**.
6) Click **Checkout**.
7) Click **Submit**.

Modifying or Deleting OIM Users P6 Privileges

To modify or delete an OIM user's access to P6, follow the steps below.

To modify an account:

1) In **User Details** page:
   a. Click **Modify User**.

b. Update the first name, last name, and email address.
c. Click **Submit**.

To delete an account:

1) In **User Details** page:
   a. Go to the **Accounts** tab.
   b. Click **Modify Accounts**.
   c. Click **Submit**.
2) Click **Remove Accounts**.
3) Click **Submit** to revoke the user from P6.

Refer OIM11gR2 documentation for more information on creating, modifying, and removing users.

Legal Notices

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