Oracle® Enterprise Taxation and Policy
Management Integration to PeopleSoft
Financials for General Ledger and Accounts
Payable

Installation Guide

Release 3.1.1

Oracle PeopleSoft Financials for General Ledger and
Accounts Payable v9.0

Oracle Enterprise Taxation and Policy Management
v2.2.0 and v2.3.0

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Overview

This guide describes the installation steps that must be completed before Oracle PeopleSoft Financials for General Ledger and Accounts Payable can be integrated with Oracle Enterprise Taxation and Policy Management.

This installation is placed on top of Oracle SOA 11.1.1.4.0. Oracle PeopleSoft Financials for General Ledger and Accounts Payable and Oracle Enterprise Taxation and Policy Management interact with the middleware to initiate the housed services.

Note: Ensure you review the entire guide before you begin installation.

Additional Resources

For more information read the following documents:

Resource	Location
Oracle Enterprise Taxation and Policy Management Integration to Oracle PeopleSoft Financials for General Ledger and Accounts Payable Implementation Guide	Same folder as this document with the distribution for this product.
Oracle PeopleSoft Financials for General Ledger and Accounts Payable Installation Guide for Release v9.0	Refer to Oracle PeopleSoft Financials for General Ledger and Accounts Payable installation documentation at http://edelivery.oracle.com/.
Oracle Enterprise Taxation and Policy Management Installation Guide for Release v2.3.0	Refer to Oracle Enterprise Taxation and Policy Management installation documentation at http://edelivery.oracle.com/.

Abbreviations

ETPM - Oracle Enterprise Taxation and Policy Management

PS - Oracle PeopleSoft Financials for General Ledger and Accounts Payable

DDL - Data Definition Language

MDS - Metadata Services

OUI - Oracle Universal Installer

Installation

The following sections describe the settings and requirements for a successful installation of Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General Ledger and Accounts Payable. Complete these installation steps prior to configuring the applications for integrated functionality.

Software Requirements

Before installing the integration package, verify that the following software is properly installed and configured:

> **Note:** For complete details, refer to the product specific installation instructions.

- Oracle Enterprise Taxation and Policy Management – Application version v2.2.0 SP2 and patch 10222337 installed on an Oracle database

  Or

  Oracle Enterprise Taxation and Policy Management – Application version v2.3.0 installed on an Oracle database

- Oracle PeopleSoft Financials for General Ledger and Accounts Payable – Application version v9.0 installed on an Oracle database
- SOA11g/ Oracle Enterprise Manager 11.1.1.4.0
- WebLogic Server 10.3.4.0

Pre-Installation Tasks

The following tasks should be completed before you install Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General Ledger and Accounts Payable.

> **Note:** If the existing users of Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General Ledger and Accounts Payable need a data backup, refer to **Upgrade Strategy**.

- Ensure that Oracle SOA 11.1.1.4.0 is installed and running. Refer to documentation at http://www.oracle.com/technetwork/middleware/soasuite/documentation/index.html#111140.
- Login to the WebLogic console to confirm there are no changes in Pending Activation status.
- Restart the SOA Managed Server and the WebLogic Admin Server.

Installation Steps

Complete the following to install the integration package:

1. Download the ETM-PS.zip file from e-delivery (http://edelivery.oracle.com/).

2. Extract the ETM-PS zip file.
   This should result in an ETM-PS folder with subfolders such as bin,config, MDS-Artifacts, services, and Install.
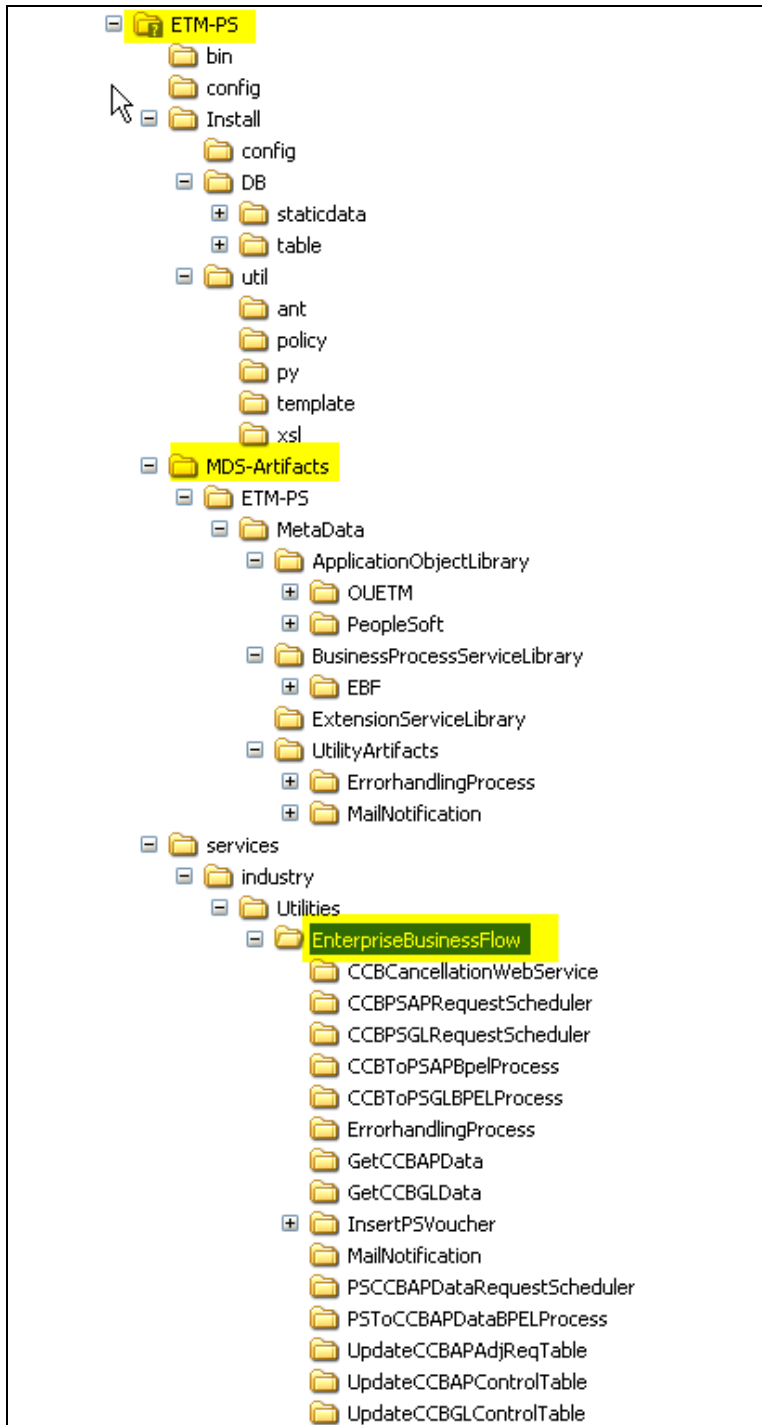
3. Set the following environment variables for Unix and Windows OS:

Variable	Example
Unix/Linux and Windows OS	
SOA_HOME	XXX/Middleware/Oracle_SOA1
ORACLE_HOME	XXX/Middleware/Oracle_SOA1
MW_HOME	XXX/Middleware
WL_HOME	XXX/Middleware
PRODUCT_HOME	Directory where the sources of ETM-PS.zip is extracted. Examples: **Unix/Linux**: PRODUCT_HOME=/slot/oracle/ETM-PS **Windows**: PRODUCT_HOME=D:\Oracle\ETM-PS

Note: The syntax for PRODUCT_HOME changes depending on whether you are installing on
Linux or Windows.

The following sections refer to this as **$PRODUCT_HOME** in the Linux syntax. However, if you
are installing on Windows, it should be referred to as: **%PRODUCT_HOME%**.

For Windows, replace all instances of **$PRODUCT_HOME** in this document with
%PRODUCT_HOME%.

On Linux only '/' works as path separator. If you are installing on Linux environment, then ensure
that the command mentioned here has appropriate path separator.

The following commands (setWLSEnv.sh on Linux and setWLSEnv.bat on Windows) set the
environment variables used for executing installation scripts:

- Unix/ Linux:

    source "${WL_HOME}/wlserver_10.3/server/bin/setWLSEnv.sh"

- Windows:
    cd %WL_HOME%\wlsserver_10.3\server\bin
    execute setWLSEnv.bat

Note: The setWLSEnv.sh on Linux and setWLSEnv.bat on Windows are used to set the
environment variables used for executing the installation scripts.

4. Modify the $PRODUCT_HOME\config\deploy.properties.xml file and ensure that the values are
relevant to the server where the integration product is to be installed. Login to the WebLogic
console to cross verify the values being entered for these properties, as the build will fail due to
inappropriate values.

The following table lists the properties available in the deploy.properties file along with their
usage. The default values are specified wherever applicable.

> **Note:** Do not delete the ETM-PS directory. This directory will be used as the download location for patches as they are released. For a windows installation, when updating any of the properties below, add the "/" to the path. For example: C:/ETM-PS

> **Note:** MultiDatasource names should be "ETMPS-SOADS", "ETMPS-ETMDS", and "ETMPS-PSDS" as these DS names are referred in respective composites.

Property	Description	Example
Server Installation Information		
SOA.AdminServer.hostname	Host name of the server where Admin Server is installed	adcxxxx.abc.oracle.com
SOA.AdminServer.portnumber	Port number the Admin Server is listening to	7043
SOA.ManagedServer.servername	SOA Managed Server name	soa_server1
SOA.AdminServer.servername	Admin Server name	AdminServer
SOA.AdminServer.domainname	SOA domain name	soa_domain
SOA.ManagedServer.hostname	Host name of the server where SOA server is installed	adcxxxx.abc.oracle.com
SOA.ManagedServer.portnumber	Port number the SOA server is listening to	8043
SOA.AdminServer.username	User name used to log in to the WebLogic console	
SOA.AdminServer.password	Password used to log in to the WebLogic console	
SOA.ManagedServer.username	User name used to log in to the EM console	
SOA.ManagedServer.password	Password used to log in to the EM console	
middleware_home	Path on the server where middleware is installed	/slot/emsXXX/Middleware
middleware_wls_home	Path on the server where WebLogic is installed	/slot/emsXXX/ Middleware/wlserver_10.3
middleware_soa_home	Path on the server where SOA is installed	/slot/emsXXX/oracle/Middleware/ Oracle_SOA1
db.create.user.flag	This flag controls whether an integration schema user is created. If the user is already created then this will be set to 'false' for the next installation. This value is case sensitive.	true
JDBC Properties Section For SOA Database		
soa.db.hostname	Database host name	adcXXXX.abc.oracle.com
soa.db.port	Database port number	1521
soa.db.sid	Databse SID	xxxdev2
soa.db.adminuser	Database admin user name.	System
soa.db.adminpwd	Database admin password.	Manager

Property	Description	Example
soa.db.user	User name used by ETPM-PS application to access SOA database for ETPM-PS Lookup tables etc	etmpsuser
soa.db.pwd	ErrorHandling schema password	etmpspwd
soa.db.multids	JDBC multi data source name for SOA data source	ETMPS-SOADS
soa.db.dsnameslist	Data sources list for SOADS multi data source	ETMPS-SOADS1
multids.algorithmtype	The algorithm determines the connection request processing for the multi data source	Load-Balancing / Failover
ps.db.multids	JDBC multi data source name for PS data source	ETMPS-PSDS
ps.db.dsnameslist	Data sources list for PSDS multi data source	ETMPS-PSDS1
ps.db.hostname	Peoplesoft database host name	psXXX.abac.oracle.com
ps.db.port	Peoplesoft database port number	1521
ps.db.user	Peoplesoft databse username	System
ps.db.pwd	Peoplesoft database password	Manager
ps.db.sid	Peoplesoft database SID	xxxPS
etm.db.multids	JDBC multi data source name for ETPM data source	ETMPS-ETMDS
etm.db.dsnameslist	Data sources list for ETMDS multi data source	ETMPS-ETMDS1
etm.db.user	ETPM database username	System
etm.db.pwd	ETPM database password	Manager
etm.db.hostname	ETPM database hostname	etmXXX.abc.oracle.com
etm.db.port	ETPM database port number	1522
etm.db.sid	ETPM database SID	xxxETPM
SOA.mdsconfig.mdsdbhostname	MDS repository host name	adcXXXX.abc.oracle.com
SOA.mdsconfig.mdsdbportnumber	MDS repository port number	1521
SOA.mdsconfig.mdsdbsid	MDS repository's database SID	xxxdev2
SOA.mdsconfig.mdsdbusername	MDS repository user name	DEV_MDS
SOA.mdsconfig.mdsdbuserpassword	MDS repository password	XXX_MDS
Client ETPM Instance URL WITH PORT		
etm.client.version	ETPM version number. Depending on the version of ETPM, use appropriate value for this property.	2.2.0/ 2.3.0
etm.client.stag.instance	Points to the client ETPM instance being used for integration in stage environment	xyz.us.oracle.com:9900
etm.client.prod.instance	Points to the client ETPM instance being used for integration in production	abc.us.oracle.com:9900

Also note the following:

- $PRODUCT_HOME/Install/util/ant folder contains all the ant build scripts.

- $PRODUCT_HOME/bin/InstallBuild.xml is used for installing Oracle Enterprise Taxation and
  Policy Management - PeopleSoft Financials for General Ledger and Accounts Payable
  integration code.

- $PRODUCT_HOME/bin/UnInstallBuild.xml is used for uninstalling Oracle Enterprise Taxation
  and Policy Management - PeopleSoft Financials for General Ledger and Accounts Payable
  integration code.

- $PRODUCT_HOME/bin/DeployUndeployUtility.xml is used for deploying/undeploying
  individual composite/MDS folder and restarting managed server.

- Installation/ uninstallation process may take considerable amount of time. You will need to be
  patient during the installation/ uninstallation.

Installing the Integration

Running the Installation Script

After setting the environment variables open a Command prompt and execute the following installation
scripts.

- Linux:

  cd $ETM-PS/bin

  ant -f InstallBuild.xml –DInstallProperties=$PRODUCT_HOME/config/deploy.properties

- Windows:

  cd %ETM-PS%\bin

  ant -f InstallBuild.xml -DInstallProperties=%PRODUCT_HOME%/config/deploy.properties

During the execution, the following tasks are performed which successfully complete the installation.

- Creates database user/ tables required for the integration at the SOA database.

Table Name	Description
INTEGRATION_LOOKUP_TABLE	A lookup table to store all the configuration parameters used by the BPEL processes. This table is also used to configure the email addresses to be notified if errors occur. This table is seeded with data at the time of integration product installation.
INTEGRATION_PROCESS_ACTIVATION	This table is used to activate or de-activate various integration points. During the installation process this table is seeded with data. By default it is populated to activate all the available integration points in the product.
INTEGRATION_ERROR_STORE	The table is used to hold the information regarding the errors encountered during integration transactions. A record is inserted for each error encountered by the BPEL processes.

Table Name	Description
	The e-mail notification process, MailNotification, accesses this table to get the error information needed to construct the notification e-mail. This table is delivered with no data.

- Creates JDBC DataSource for the SOA Database hosting tables mentioned above.

- Creates JDBC DataSource for the Oracle Enterprise Taxation and Policy Management database the integration should connect to.

- Creates JDBC DataSource for the PeopleSoft Financials for General Ledger and Accounts Payable database the integration should connect to.

- Creates outbound connection pool instance for Database used by Oracle Enterprise Taxation and Policy Management/ PeopleSoft Financials for General Ledger and Accounts Payable and SOA DB by updating DBAdapter.rar file.

- Creates JDBC Multi DataSource for the SOA Database.

- Creates JDBC Multi DataSource for the Oracle Enterprise Taxation and Policy Management database.

- Creates JDBC Multi DataSource for the PeopleSoft Financials for General Ledger and Accounts Payable database.

- Updates MDS repository with all the artifacts.

- Creates the application partition where the composites are going to be deployed.

  For example: ETM-PS

- Compiles/ packages and then deploys all the composites to the Enterprise Manager.

- Attaches "oracle/Utilities_wss_http_token_service_policy_OPT_ON" and "oracle/Utilities_wss_http_token_client_policy_OPT_ON" local security policies for all the services and references for ETM-PS composites.

Post Installation Checklist

After running the installation scripts complete the following tasks to finalize the installation.

1. Restart the WebLogic admin server and the SOA server.

   This task activates the processes that require a restart after installation and ensures that the installation of all artifacts is successful.

2. Verify the SOA server logs to check for deployment errors.

3. Verify that all JDBC resources were created.

4. Verify composites in the Enterprise Manager.

5. Convert the Product Home to an OUI based Product Home which is required to apply patches in future. See **Converting Existing PRODUCT HOME to OUI Based PRODUCT HOME** for more information.

Verifying JDBC Configuration

Datasource

1. Ensure that the required data sources were created on the server:

    - ETMPS-ETMDS1 – Data source used for establishing connection with the Oracle Enterprise Taxation and Policy Management application database

    - ETMPS-PSDS1 – Data source used for establishing connection with the Oracle PeopleSoft Financials for General Ledger and Accounts Payable application database

    - ETMPS-SOADS1 – Data source used for establishing connection with SOA database

    - ETMPS-ETMDS – Multi Data source contains list of ETMDS data sources

    - ETMPS-PSDS – Multi Data source contains list of PSDS data sources

    - ETMPS-SOADS – Multi Data source contains list of SOADS data sources

2. Open the WebLogic Admin Console and navigate to Services → DataSources.

3. Verify that the datasources mentioned above appear in the screen as shown below:

☐ ETMPS-ETMDS	Multi	jdbc/ETMPS-ETMDS	soa_server1
☐ ETMPS-ETMDS1	Generic	jdbc/ETMPS-ETMDS1	soa_server1
☐ ETMPS-PSDS	Multi	jdbc/ETMPS-PSDS	soa_server1
☐ ETMPS-PSDS1	Generic	jdbc/ETMPS-PSDS1	soa_server1
☐ ETMPS-SOADS	Multi	jdbc/ETMPS-SOADS	soa_server1
☐ ETMPS-SOADS1	Generic	jdbc/ETMPS-SOADS1	soa_server1

4. Verify whether all the data sources are included under their respective multi data source.

5. Verify whether the URL settings are correctly pointed to the database.

6. Select Services → Data Sources.

7. In the main page, select Monitoring, and then select the Testing tab.

Database Outbound Connection Pool

1. Ensure the following three connection pools are created on the server:

    - eis/DB/ETMPS-ETMDS for Oracle Enterprise Taxation and Policy Management database connection pool

    - eis/DB/ETMPS-PSDS for PeopleSoft Financials for General Ledger and Accounts Payable database connection pool

    - eis/DB/ETMPS-SOADS for SOA 11g database connection pool

2. Select Deployments.

3. Select the DBAdapter, and select the Configuration tab, and then select the Outbound Connection Pools tab.

4. Expand javax.resource.cci.ConnectionFactory and verify that the screen looks exactly as shown below.

☐	eis/DB/ETMPS-ETMDS	javax.resource.cci.ConnectionFactory
☐	eis/DB/ETMPS-PSDS	javax.resource.cci.ConnectionFactory
☐	eis/DB/ETMPS-SOADS	javax.resource.cci.ConnectionFactory

Verifying Composites in Enterprise Manager

Verify that the ETM-PS partition was created with all the composites deployed.

1. Log in to the Enterprise Manager.

2. Navigate to SOA → soa-infra → ETM-PS partition.

3. Verify that all the composites are deployed and in an active state.

Configuring the Edge Applications

Configure Oracle Enterprise Taxation and Policy Management and Oracle PeopleSoft Financials for General Ledger and Accounts Payable installation according to the guidelines in the Implementation Guide for this integration package.

Deploying/ Undeploying Individual Composites

This section describes how to deploy individual composites for incremental builds or patches.

Undeploying Composites

If the composite being deployed involves changes made to the MDS Artifacts, undeploy the composite first.

1. Open a Command prompt and execute the following installation scripts in Linux and Windows respectively.

   - Linux:

     cd $PRODUCT_HOME/bin

     ant -f $PRODUCT_HOME/Install/util/ant/DeployUndeployUtility.xml -DInstallProperties=$PRODUCT_HOME/config/deploy.properties UnDeployComposite

   - Windows:

     cd %PRODUCT_HOME%\bin

     ant -f %PRODUCT_HOME%/Install/util/ant/DeployUndeployUtility.xml -DInstallProperties=%PRODUCT_HOME%/config/deploy.properties UnDeployComposite

2. Validate the following parameters when prompted with default values during deployment. Press ENTER to use the default value.

   Note: You may choose to provide a different value compared to the default and press ENTER.

   - **SOA Server Hostname** – Host name of the server hosting SOA server.

   - **SOA Server Portnumber** – Port number of the server hosting SOA server.

- **SOA Server Username** – User name to connect to SOA server.

- **SOA Server Password** - Password to connect to SOA server.

- **Composite Name** - Name of the composite which needs to be undeployed to SOA server. There is no default value for this parameter.

- **Composite Folder Location** – The folder name should be an absolute path beginning with
  <PRODUCT_HOME>/services/industry/Utilities/<EnterpriseBusinessFlow/utility>.

  For example: If you plan to undeploy the composite from
  <PRODUCT_HOME>/services/industry/Utilities/EnterpriseBusinessFlow, then pass
  <PRODUCT_HOME>/services/industry/Utilities/EnterpriseBusinessFlow to this property.

  The default value is
  %PRODUCT_HOME%/services/industry/Utilities/EnterpriseBusinessFlow, as most of the business-specific composites reside in this folder.

- **Partition Name** - This is the SOA partition name to which this composite should be undeployed.

3. Enter the composite name to be deployed from the partition.

Deploying Individual Composites

1. Open a Command prompt and execute the following installation scripts in Linux and Windows respectively.

   - Linux:

     cd $PRODUCT_HOME/bin

     ant -f $PRODUCT_HOME/Install/util/ant/DeployUndeployUtility.xml -DInstallProperties=$PRODUCT_HOME/config/deploy.properties DeployComposite

   - Windows:

     cd %PRODUCT_HOME%\bin

     ant -f %PRODUCT_HOME%/Install/util/ant/DeployUndeployUtility.xml -DInstallProperties=%PRODUCT_HOME%/config/deploy.properties DeployComposite

2. Validate the following parameters when prompted with default values during deployment. Press ENTER to use the default value.

> **Note:** You may choose to provide a different value compared to the default and press ENTER.

   - **SOA Server Hostname** – Host name of the server hosting SOA server.

   - **SOA Server Portnumber** – Port number of the server hosting SOA server.

   - **SOA Server Username** – User name used to connect to SOA server.

   - **SOA Server Password** - Password used to connect to SOA server.

   - **Admin Server Hostname** – Host name of the admin server.

- **Admin Server Portnumber** – Port number of the admin server.

- **Admin Server Username** – User name used to connect to admin server.

- **Admin Server Password** - Password used to connect to admin server.

- **Composite Name** - Name of the composite to be deployed to SOA server. There is no default value for this parameter.

- **Composite Folder Location** – The folder name should be absolute path beginning with **%PRODUCT_HOME%/services/industry/Utilities/<EBF/utility>**.

  For example: If you plan to deploy the composite from **%PRODUCT_HOME%/services/industry/Utilities/EBF**, pass **%PRODUCT_HOME%/services/industry/Utilities/EBF** to this property.

  The default value for this property is **%PRODUCT_HOME%/services/industry/Utilities/EBF**, as most of the business-specific composites reside in this folder.

- **Partition Name** - This is the SOA partition name to which the composite should be deployed.

3. Enter the composite name to be deployed.

   For example: PSCCBAPDataRequestScheduler. This deploys the composite name specified.

Deploying/ Undeploying MDS Folder

This section describes how to deploy/ undeploy individual MDS folder for incremental builds or patches.

Undeploying MDS Folder

To undeploy a particular folder from MDS, execute the following command and then pass the folder name to be undeployed.

1. Open a Command prompt and execute the following installation scripts in Linux and Windows respectively.

   - Linux:

     cd $PRODUCT_HOME/bin

     ant -f $PRODUCT_HOME/Install/util/ant/DeployUndeployUtility.xml -DInstallProperties=$PRODUCT_HOME/config/deploy.properties UnDeployMDS

   - Windows:

     cd %PRODUCT_HOME%\bin

     ant -f %PRODUCT_HOME%/Install/util/ant/DeployUndeployUtility.xml -DInstallProperties=%PRODUCT_HOME%/config/deploy.properties UnDeployMDS

2. Validate the following parameters. To use the default value, press Enter. Default values are picked up from InstallProperties file that you specified as part of Ant command above.

> **Note:** You may choose to provide a different value compared to the default and press ENTER.

- **SOA Server Hostname** – Host name of the server hosting SOA server.

- **SOA Server Portnumber** – Port number of the server hosting SOA server.

- **SOA Server Username** – User name used to connect to SOA server.

- **SOA Server Password** - Password used to connect to SOA server.

- **MDS Folder Name** - Name of the folder to be undeployed from MDS repository.

  The folder name should be relative path inside **%PRODUCT_HOME%/MDS-Artifacts**. It
  should start with ETM-PS.

  For example: If you plan to undeploy **%PRODUCT_HOME%/MDS-Artifacts/ETM-
  PS/MetaData/ApplicationObjectLibrary**, pass **ETM-
  PS/MetaData/ApplicationObjectLibrary** to this property.

> **Note:** Use this command to perform only folder-level undeployment. The command does not
> support file-level undeployment.

Deploying MDS Folder

1. Open a Command prompt and execute the following installation scripts in Linux and Windows
   respectively.

   - Linux:

     cd $PRODUCT_HOME/bin

     **ant -f $PRODUCT_HOME/Install/util/ant/DeployUndeployUtility.xml -
     DInstallProperties=$PRODUCT_HOME/config/deploy.properties DeployMDS**

   - Windows:

     cd %PRODUCT_HOME%\bin

     **ant -f %PRODUCT_HOME%/Install/util/ant/DeployUndeployUtility.xml -
     DInstallProperties=%PRODUCT_HOME%/config/deploy.properties DeployMDS**

2. Validate the following parameters when prompted with default values during deployment. Press
   ENTER to use the default value.

> **Note:** You may choose to provide a different value compared to the default and press ENTER.

- **SOA Server Hostname** – Host name of the server hosting SOA server.

- **SOA Server Portnumber** – Port number of the server hosting SOA server.

- **SOA Server Username** – User name used to connect to SOA server.

- **SOA Server Password** - Password used to connect to SOA server.

- **MDS Folder Name** - Name of the folder to be deployed to MDS repository.

  The folder name should be a relative path inside **%PRODUCT_HOME%/MDS-Artifacts**,
  beginning with ETM-PS.

For example: If you plan to deploy **%PRODUCT_HOME%/MDS-Artifacts/ETM-PS/MetaData/ApplicationObjectLibrary**, pass **ETM-PS/MetaData/ApplicationObjectLibrary** to this property.

It is recommended to re-deploy the composites which use the modified MDS Artifacts (as mentioned in the steps above), so the changes done to MDS Artifacts are used by the composites.

> **Note:** Use this command to perform only folder-level undeployment. The command does not support file-level undeployment.

Export MDS Folder

1. Open a Command prompt and execute the following installation scripts in Linux and Windows respectively.

   - Linux:

     cd $PRODUCT_HOME/bin

     ant -f $PRODUCT_HOME/Install/util/ant/exportMDS.xml exportMDS -DInstallProperties=$PRODUCT_HOME/config/deploy.properties

   - Windows:

     cd %PRODUCT_HOME%\bin

     ant -f %PRODUCT_HOME%/Install/util/ant/exportMDS.xml exportMDS -DInstallProperties=%PRODUCT_HOME%/config/deploy.properties

2. Enter the value for the following parameters when prompted.

   copyToLocation –The path including name of the zip archive where Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General Ledger and Accounts Payable content of MDS export needs to be copied.

   For example: If you plan to export **%PRODUCT_HOME%/MDS-Artifacts/** folder to **%PRODUCT_HOME%/** then pass **%PRODUCT_HOME%/mdsExport.zip** to **copyToLocation** property.

Uninstalling the Integration

If you need to uninstall the integration, perform the following steps:

1. Restart the SOA server and the WebLogic Admin server.

2. Set the environment variables as mentioned above in the installation steps.

3. Ensure that the user soa.db.user is disconnected from the database.

4. Run the following query on the database as sysdba user. (This should not return any rows)

   select username, sid, serial# from v$session where username='ETMPSUSER';

5. Open a Command prompt and execute the following commands:

   cd $PRODUCT_HOME\Install\util\ant

   **ant -f UnInstallBuild.xml -
   DInstallProperties=$PRODUCT_HOME/config/deploy.properties**

   This command deletes everything related to Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General Ledger and Accounts Payable from the server by completing the following tasks:

   - Undeploys all composites from the Enterprise Manager partition.

   - Deletes the partition.

   - Undeploys the MDS artifacts.

   - Undeploys the DB Outbound Connection Pool.

   - Deletes the Oracle Enterprise Taxation and Policy Management related database objects created in SOA database and also deletes multi data sources and generic data sources.

6. Restart the WebLogic and the SOA servers.

> **Note:** After a successful uninstall, all JDBC resources and Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General Ledger and Accounts Payable partitions created during installation are deleted.

Restarting SOA Managed Server

This section describes how to restart the WebLogic managed server hosting SOA suite.

1. Open a Command prompt and execute the following installation scripts in Linux and Windows respectively.

   - Linux:

     cd $PRODUCT_HOME/bin

     **ant -f $PRODUCT_HOME/Install/util/ant/DeployUndeployUtility.xml -
     DInstallProperties=$PRODUCT_HOME/config/deploy.properties
     RestartManagedServer**

- Windows:

  cd %PRODUCT_HOME%\bin

  **ant -f %PRODUCT_HOME%/Install/util/ant/DeployUndeployUtility.xml -
  DInstallProperties=%PRODUCT_HOME%/config/deploy.properties
  RestartManagedServer**

2. Validate the following parameters when prompted with default values during deployment. Press
   ENTER to use the default value.

   > **Note:** You may choose to provide a different value compared to the default and press ENTER.

   - **Admin Server Hostname** – Host name of the server hosting admin server.

   - **Admin Server Portnumber** – Port number of the server hosting admin server.

   - **Admin Server Username** – User name used to connect to admin server.

   - **Admin Server Password** - Password used to connect to admin server.

   - **Managed server Name** - Name of the managed server you plan to restart.

Upgrade Strategy

If Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General
Ledger and Accounts Payable on SOA 11.1.1.3.0 already exists and is actively used, then upgrade the
integration by following the steps below.

1. Assume the Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft
   Financials for General Ledger and Accounts Payable installation already exists on middleware
   with appropriate data setup at edge applications and in the integration tables present in
   middleware. (For example: INTEGRATION_LOOKUP_TABLE)

2. Take the back-up of INTEGRATION_LOOKUP_TABLE:

   Connect to ETMPS-SOADS database and take back-up of INTEGRATION_LOOKUP_TABLE as
   mentioned below from command prompt.

   - How to invoke Data Export: (Table Export Mode)?

     exp $soa.db.user/$soa.db.pwd@$soa.db.sid file=etmpsuserTab.dmp
     tables=INTEGRATION_LOOKUP_TABLE statistics=none
     log=etmpsuserTab_apply_$(date +"%m-%d-%Y-%H-%M-%S").log

     Example: exp etmpsuser/etmpspwd@ccbmdev1 file= etmpsuserTab.dmp
     tables=INTEGRATION_LOOKUP_TABLE statistics=none
     log=etmpsuserTab_apply_$(date +"%m-%d-%Y-%H-%M-%S").log

   - How to invoke Data Import: (Table Import Mode)?

     imp $soa.db.user/$soa.db.pwd@$soa.db.sid file=etmpsuserTab.dmp
     tables=INTEGRATION_LOOKUP_TABLE statistics=none IGNORE=Y
     log=etmpsuserTab_import_$(date +"%m-%d-%Y-%H-%M-%S").log

Example: imp etmpsuser/etmpspwd@ccbdev2 file= etmpsuserTab.dmp tables=INTEGRATION_LOOKUP_TABLE statistics=none IGNORE=Y log=etmpsuserTab_import_$(date +"%m-%d-%Y-%H-%M-%S").log

> **Note:** Use the **$soa.db.user, $soa.db.pwd & $soa.db.sid** values from *deploy.properties* file under **$PRODUCT_HOME/config** folder.

3. Take the back up of Custom.xsl files (if at all they have been modified as per user requirement) available in $PRODUCT_HOME/services/industry/Utilities/EnterpriseBusinessFlow/<ProcessName>/

4. Take the backup of MDS-Artifacts (if ExtensionConcrete wsdls have been modified).

    a. Extract the latest ETM-PS integration zip from e-delivery.

    b. Unzip the ETM-PS zip and open the **exportMDSUtility** folder.

    c. Run the exportMDSUtility.bat/ exportMDSUtility.sh script – which copies the exportMDS.xml and exportMDS.py files to their respective folders, and also exports MDS Artifacts using the **exportMDS.xml** script provided. (This script is not part of the earlier ETM-PS installation script). Using this script, zip archive containing all the MDS artifacts can be downloaded into the $PRODUCT_HOME folder.

5. Uninstall the existing Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General Ledger and Accounts Payable using the installation script provided with the earlier installation to ensure the middleware is cleaned up.

6. Upgrade SOA 11.1.1.3.0 to 11.1.1.4.0.

7. Back-up values of the INTEGRATION_LOOKUP_TABLE and ETMPSMDSExport.zip can be used to compare with the modified values for the keys in INTEGRATION_LOOKUP_TABLE or MDS artifacts, after the upgraded Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General Ledger and Accounts Payable has been installed.

    Update the INTEGRATION_LOOKUP_TABLE values and concrete wsdls in MDS accordingly, if necessary.

    a. For example: Update concrete wsdls in $PRODUCT_HOME/MDS-Artifacts/MetaData/ExtensionServiceLibrary

    Manually replace the *soap:address location="*`http://xyz.us.oracle.com:0000/soa-infra/services/ETM-PS/ETMPSExtensionProcess/PSToCCBAPDataExtensionConcrete`*"* (sample value) in the ExtensionConcrete WSDL with the EndPointURI of the respective custom BPEL process (if the custom BPEL process is available).

8. Test the AP Request, GL, and AP data flows.

> **Note:** If this is the first time the Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General Ledger and Accounts Payable is being installed, the steps mentioned above are not necessary.

Installation Commands

The table below lists the possible commands for the install scripts.

Command	Description	Restart Required?
ant -f InstallBuild.xml -DInstallProperties=$PRODUCT_HOME/config/deploy.properties	Installs Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General Ledger and Accounts Payable from scratch.	Yes
ant -f $PRODUCT_HOME/Install/util/ant/DeployUndeployUtility.xml -DInstallProperties=$PRODUCT_HOME/config/deploy.properties UnDeployComposite	This command is used while undeploying a single composite from the server. This prompts for the name of the composite to be undeployed. Name of the composite is nothing but name of the folder under PRODUCT_HOME/services/industry/Utilities/EnterpriseBusinessFlow. For example: PSCCBAPDataRequestScheduler	No
ant -f $PRODUCT_HOME/Install/util/ant/DeployUndeployUtility.xml -DInstallProperties=$PRODUCT_HOME/config/deploy.properties UnDeployMDS	MDS folder-level undeployment is done using this command.	Yes
ant -f $PRODUCT_HOME/Install/util/ant/DeployUndeployUtility.xml -DInstallProperties=$PRODUCT_HOME/config/deploy.properties DeployMDS	MDS folder-level deployment is done using this command.	Yes
ant -f $PRODUCT_HOME/Install/util/ant/DeployUndeployUtility.xml -DInstallProperties=$PRODUCT_HOME/config/deploy.properties DeployComposite	This command is used while deploying a single composite to the server. This prompts for the name of the composite to be deployed. Name of the composite is the name of the folder under PRODUCT_HOME/services/industry/Utilities/EnterpriseBusinessFlow. For example: PSCCBAPDataRequestScheduler	No
ant -f $PRODUCT_HOME/Install/util/ant/DeployUndeployUtility.xml -DInstallProperties=$PRODUCT_HOME/config/deploy.properties RestartManagedServer	Restarts the SOA managed server.	
ant -f $PRODUCT_HOME/Install/util/ant/exportMDS.xml exportMDS -DInstallProperties=$PRODUCT_HOME/config/deploy.properties	Exports the MDS artifacts to a zip archive	No
ant -f UnInstallBuild.xml -DInstallProperties=$PRODUCT_HOME/config/deploy.properties	Uninstalls Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General Ledger and Accounts Payable.	Yes

Converting Existing PRODUCT HOME to OUI Based PRODUCT HOME

In future, patches and/or enhancements to this product are applied using OPatch. The following steps are required for using OPatch.

> **Note:** The PRODUCT HOME for ETM-PS integration needs to be converted to OUI based PRODUCT HOME to use OPatch utility.

1. Install the OUI version 11.1.0.9.0 from Patch#6486988 under the PRODUCT HOME directory (in this case PRODUCT HOME is ETM-PS integration home).
   Perform the steps mentioned in the Readme.txt file shipped along with this Patch#6486988 to grant permissions.

   cd <UNZIPDIR>/cd/Disk1/install/
   ./runInstaller -invPtrLoc $SOA_HOME/oraInst.loc

   Where $SOA_HOME is XXX/Middleware/Oracle_SOA1. This ensures the same central inventory is used for SOA and PRODUCT HOME.

   The steps for installation are as follows:

   a. On the **Welcome** page, click **Next**.

   b. Select **Custom** as the install type, and then enter the path for the directory where you want the OUI components to be installed. (This is the install home directory for Oracle Enterprise Taxation and Policy Management Integration to PeopleSoft Financials for General Ledger and Accounts Payable).

   c. If the warning "ORACLE HOME is not empty" is displayed, click **Yes**.

   d. On the **Available Product Components** page, select the checkbox to show all components, including required dependencies.

   e. Select all OUI components. Oracle Installation Products is selected by default.

   f. On the **Summary** Page, verify if you have selected the following OUI components to be installed.

      - Oracle Installation Products

      - Installer SDK Component

      - Oracle Universal Installer

      - Oracle One-Off patch installer.

   g. Click **Install** to start the installation process. This will create oui,opatch,jre folders under PRODUCT HOME.

2. Run attachHome.sh from PRODUCT_HOME/oui/bin folder. This will register the PRODUCT HOME as an Oracle Home in the central inventory.