Oracle Enterprise Taxation and Policy Management Self Service

Installation Guide

Release 1.0.0.0

E36011-01

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ORACLE

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Chapter 1

Installation Overview

This guide describes the installation steps that must be completed in order to use Enterprise Taxation and Policy Management Self Service (ETPMSS) integrated with Oracle Enterprise Taxation and Policy Management (ETPM).

> **Note:** This document is subject to revision and updating. For the most recent version of this document and related documentation check BUG 14660129.

Additional Resources

For more information on products related to ETPMSS installation, see the following documents:

Resource	Location
Oracle WebCenter documentation	*http://www.oracle.com/technetwork/middleware/webcenter/portal/documentation/index.html*
Oracle Java Sun JDK	*http://www.oracle.com/technetwork/indexes/documentation/index.html*
Oracle Enterprise Taxation Policy Management v2.3.1 Documentation Library	*http://docs.oracle.com/cd/E28126_01/index.htm*
Oracle SOA Suite documentation	*http://www.oracle.com/technetwork/middleware/soasuite/documentation/index.html*
Oracle UCM Documentation	*http://www.oracle.com/technetwork/middleware/webcenter/content/documentation/index.html*
Oracle Fusion Middleware Requirements	*http://docs.oracle.com/cd/E12839_01/install.1111/e12001/overview.htm#BABDFJAB*
Oracle WebLogic Documentation	*http://www.oracle.com/technetwork/middleware/weblogic/documentation/index.html*

Abbreviations

ETPMSS	Oracle Enterprise Taxation and Policy Management Self Service
ETPM	Oracle Enterprise Taxation and Policy Management
DDL	Data Definition Language
MDS	Metadata Services
OUI	Oracle Universal Installer
RCU	Repository Creation Utility
EAR	Enterprise Archive
WC	Oracle WebCenter
WLS	Oracle WebLogic Server
ADF	Application Development Framework
SOA	Service Oriented Architecture
BPEL	Business Process Execution Language
MDS	Metadata Services

System Requirements and Certification

The information in this section is current at the time of publication. For the most current information, refer to the following Oracle documents:

- *Oracle Fusion Middleware System Requirements, Prerequisites, and Specifications*, available on the Oracle Technology Network (OTN) at http://www.oracle.com/technology/software/products/ias/files/fusion_requirements.htm.

  This document contains information related to hardware and software requirements, minimum disk space and memory requirements, and required system libraries, packages, or patches.

- *Oracle Fusion Middleware Certification* (http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html)

  This document contains information related to supported installation types, platforms, operating systems, databases, JDKs, and third-party products.

Check for a Supported Database

Installation of this product requires the availability of a database. The database must be up and running, and does not have to be on the same system on which you are installing the products.

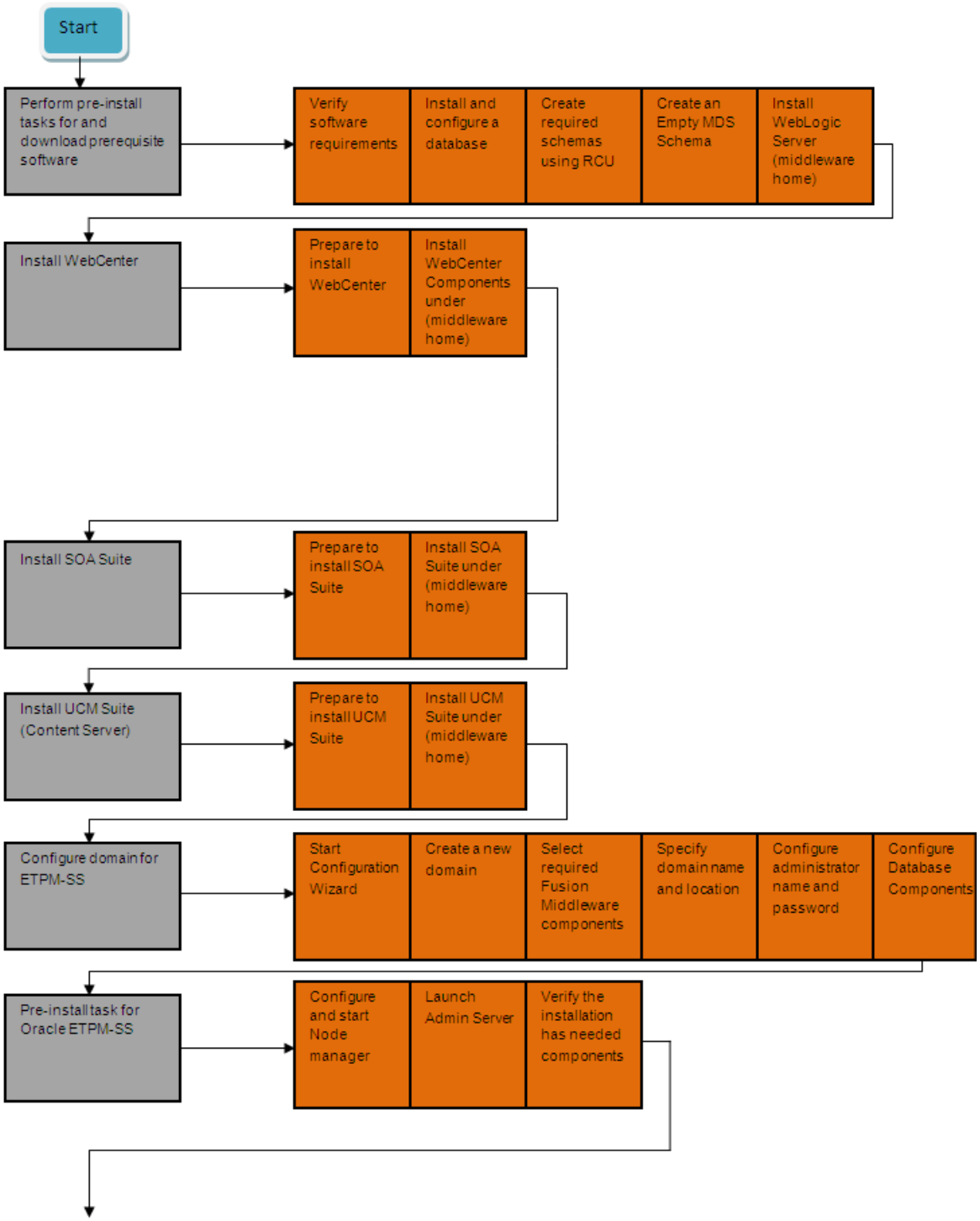
For the latest information about supported databases, visit *http://www.oracle.com/technology/software/products/ias/files/fusion_certification.html*

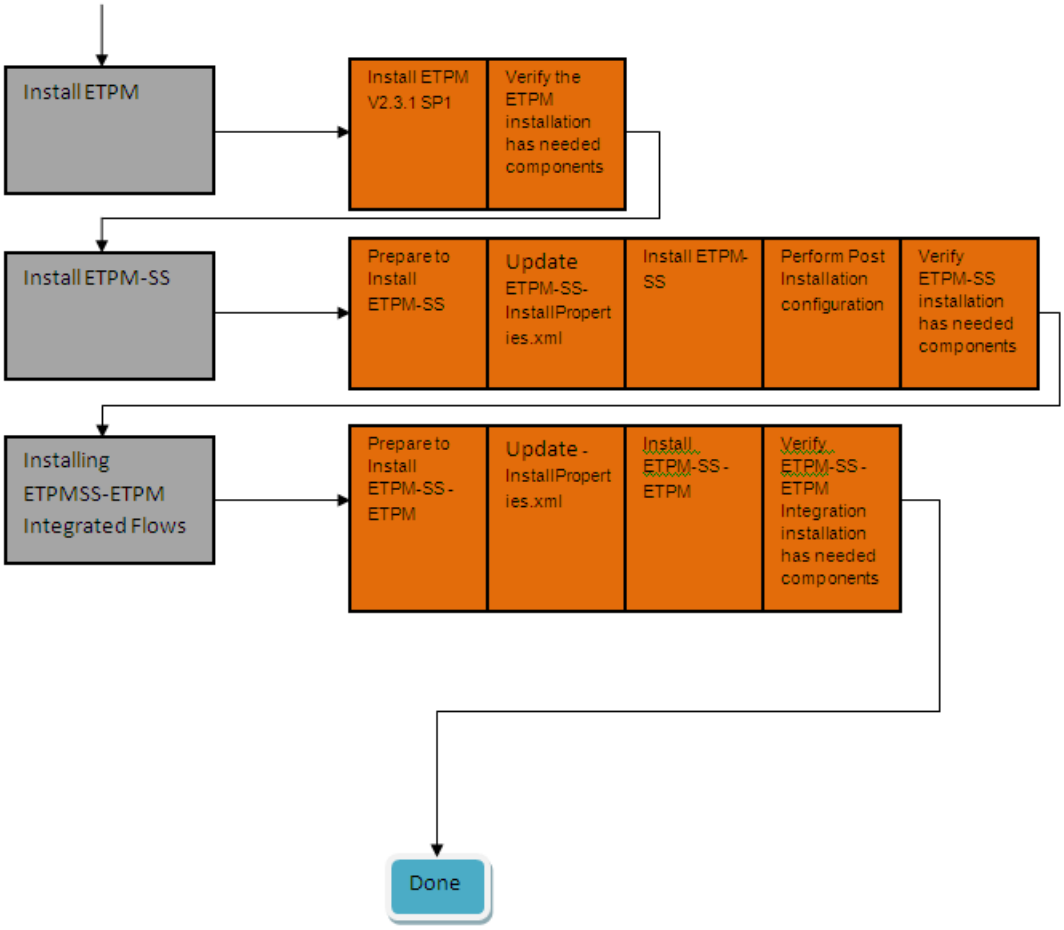
Note for Windows Internet Explorer Users

If a portion of the web page is blank or does not display correctly in Windows Internet Explorer, refer to the Microsoft article at *http://windows.microsoft.com/en-US/windows7/webpages-look-incorrect-in-Internet-Explorer*.

Additional information on this issue can be found in BUG 14593433.

Roadmap for ETPMSS Installation and Configuration





Software Requirements

The following software must be installed and configured prior to installation of Oracle ETPM Self Service:

- Oracle RCU Database 11.1.1.5.0
- Oracle WebLogic Server 10.3.5
- Oracle WebCenter Release 11.1.1.5.0
- Oracle Content Server (UCM) 11.1.1.5.0
- Oracle SOA 11.1.1.5.0

If using ETPM as your back-end data management system:

- Oracle Enterprise Taxation Policy Management Release 2.3.1
  - ETPM Service Pack 1
  - Oracle Documaker 12.0.1

Table 1: Software Download Prerequisites and Download Locations

Prerequisite	Reference (Download Site)
Install Oracle WebLogic	*http://docs.oracle.com/cd/E23104_01/download_readme_ps4/download_readme_ps4.htm*
Install Oracle WebCenter	*http://docs.oracle.com/cd/E21764_01/install.1111/e12001/toc.htm*
Install Oracle SOA	*http://www.oracle.com/technetwork/middleware/soasuite/downloads/index.html*
Install Oracle Content Server	*http://www.oracle.com/technetwork/middleware/webcenter/content/downloads/index.html*
Install Oracle RCU	*http://www.oracle.com/technetwork/middleware/webcenter/portal/downloads/index.html* **Note:** This link contains the downloads for 11.1.1.5.0.

Chapter 2

ETPMSS Installation

Types of Installation Packages

Installation Type	Description
Initial Install (ETPM-SS and ETPMSS-ETPM Integration)	This type of installation provides the base installation with the integration functionality into ETPM.
Standalone Install (ETPM-SS and ETPMSS-EDGE-PROD Integration)	This type of installation should be used when you are not planning to integrate with ETPM.
Demo Install	Refer to ETPM-SS Bug 14733541 for the latest demo download installation for ETPMSS and the demo components for ETPM.

Note: Each package has the same installation procedure.

Pre-Installation Tasks

The following applications, scripts, and utilities must be installed or run in the recommended order prior to installing ETPMSS:

1. Install Oracle RCU database components (see *Appendix B* for additional details).

   Note: This installation requires that you create an additional empty MDS schema for ETPM-SS.

2. Install Oracle WebLogic 11.1.1.5.
3. Install Oracle WebCenter 11.1.1.5.
4. Install Oracle UCM 11.1.1.5.

5. Install Oracle SOA 11.1.1.5
6. Create and configure a new WebLogic domain for Oracle WebCenter, Oracle UCM, and Oracle SOA (see *Appendix C* for additional details).
7. Ensure that Oracle WebLogic Admin Server 11.1.1.5.0 is running.

   Note: The following servers should be installed prior to installing ETPMSS (all should be installed and configured through the installations noted above). See Appendix ??? for additional details.

   - UCM_server1
   - WC_Portlet
   - WC_Spaces
   - WC_Utilities
   - soa_server1 (can be installed into separate domain)

   The installation utility uses delivered libraries and applications from these servers; they do not need to be running for the installation.
8. Ensure that the Node Manager is running to start and stop servers.

   When starting Node Manager for the first time you will need to run the s*etNMProps* script to set `StartScriptEnabled=true` in the *nodemanager.properties* file:

   On UNIX/Linux:

   ```
   MW_HOME/oracle_common/common/bin/setNMProps.sh
   ```

   On Windows:

   ```
   MW_HOME \ORACLE_COMMON\common\bin\setNMProps.cmd
   ```

   Note: MW_HOME is set after initializing the *setWLSEnv* script for either OS.

   For subsequent Node Manager starts, navigate to `WL_HOME/server/bin` and enter:

   On UNIX/Linux:

   ```
   ./startNodeManager.sh
   ```

   On Windows:

   ```
   startNodeManager.cmd
   ```

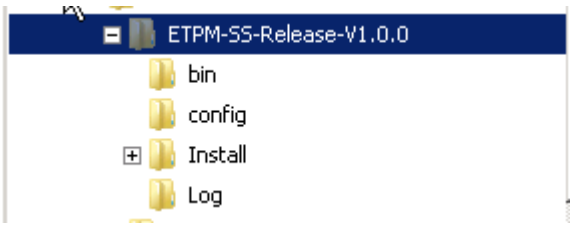
   When Node Manager starts, it reads the *nodemanager.properties* file with the `StartScriptEnabled=true` property, and uses the start scripts when it subsequently starts the managed servers.

   The script *setNMProps* only needs to be executed once.
9. Verify that the Oracle AdminvServer is running, and you are able to access the console:

   ```
   http://weblogichost:weblogicadminport/console
   ```

ETPMSS Installation Directory Structure

This folder includes a subfolder hierarchy as shown in the following image. If any of the folders are read-only, remove the read-only attribute from the folder.



- **bin** contains the scripts to launch the installation utility. Two scripts are provided (one each for Windows and for Linux):

File	Description
install.sh	Install script for Linux
install.cmd	Install script for Windows

- **config** contains the installation configuration file. This file must be updated with the environment configuration prior running the installer (for details, see Appendix F).

File	Description
ETPM-SS-InstallProperties.xml	Installation parameters file.

- **Install** contains the ETPMSS application, installation property files, and installation utilities.
- **Log** contains the log for the installation utility.

ETPM-SS Product Installation

This procedure describes the default installation method for ETPMSS.

1. Download <ETPM-SS-ProductInstall-<Install-Type>>.jar from the Oracle Software Delivery Cloud (edelivery.oracle.com) and unzip into a target installation directory:

   Example: `jar –xvf <ETPM-SS-ProductInstall-<Install-Type>>.jar`

   Linux example:

   ```
   /etpm-ss/ETPM-SS-ProductInstall
   ```

   Windows example:

   ```
   D:\etpm-ss\ETPM-SS-ProductInstall
   ```

2. Set the PRODUCT_HOME environment variable to point to ETPM-SS-Product Install:

   Linux example:

   ```
   export PRODUCT_HOME=/etpm-ss/ETPM-SS-Release-V1.0.0
   ```

   ```
   echo $PRODUCT_HOME
   ```

   echo should return PRODUCT_HOME as the location of the top-level directory of the installation media, e.g., `/etpm-ss/ETPM-SS-Release-V1.0.0`.

   Windows example:

   ```
   SET PRODUCT_HOME=D:\ETPM-SS\ETPM-SS-Release-V1.0.0
   ```

   ```
   echo %PRODUCT_HOME%
   ```

echo should return PRODUCT_HOME as location of the top level directory of the installation media, e.g., `D:\ETPM-SS\ETPM-SS-Release-V1.0.0`.

See Appendix J for an ETPM-SS environment settings example.

3. Set the WebLogic server environment by running the *setWLSEnv* script. The scripts are located in `<WEBLOGIC_HOME>\wlserver_10.3\server\bin.`

   UNIX/Linux example:

   ```
   source /etpm-ss/weblogic-10.3.5/wlserver_10.3/server/bin/setWLSEnv.sh
   ```

   Windows example:

   ```
   run D:\weblogic-10.3.5\wlserver_10.3\server\bin\setWLSEnv.cmd
   ```

   After running the script, verify that the *wlserver* environment is set in your classpath and path environment variables.

4. Update the `<PRODUCT_HOME>/config/ETPM-SS-InstallProperties.xml` file with values appropriate to your environment (see Appendix F for a sample ETPM-SS-InstallProperties.xml file and an explanation of the properties and elements available in the file).

5. Execute following command to change to PRODUCT_HOME/bin:

   On Linux:

   ```
   source /etpm-ss/weblogic-10.3.5/wlserver_10.3/server/bin/setWLSEnv.sh
   ```

   On Windows:

   ```
   cd %PRODUCT_HOME%\bin
   ```

   Important: Before proceeding to the final step, ensure that the Admin server is up and running.

6. Run the installation script to install ETPMSS (see "Installer Overview" for additional information regarding the installer).

   On Linux:

   ```
   /install.sh i
   ```

   Note: You will need to change the permissions on install.sh to chmod 755.

   On Windows:

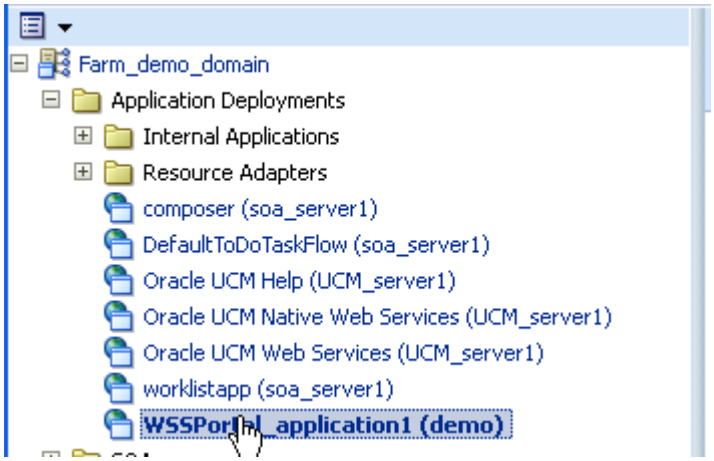
   ```
   install.cmd i
   ```

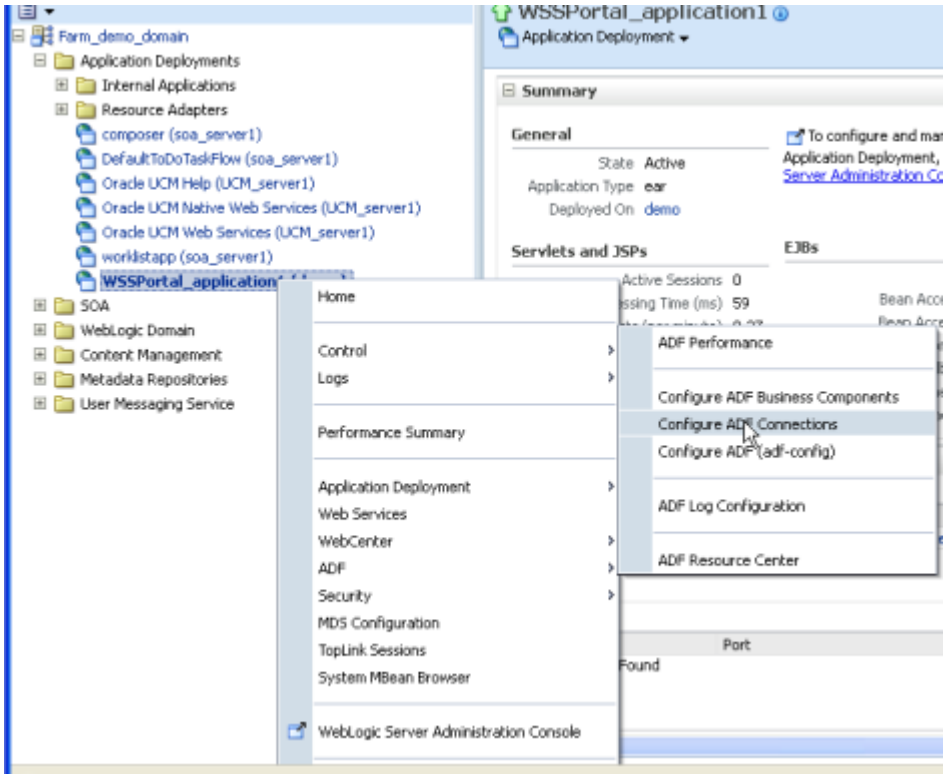
Post-Installation Tasks

Configuring ADF Connection for the ETPMSS Application

To configure and verify that the ETPMSS application wsd's are correctly tokenized:

1. Log in into the Oracle Enterprise Manager console at `http://WLSAdminHost:WLSAdminServerPort/em` with your *wlsadminuser/wlsadminpasswd* credentials.
2. Select **Application Deployments**, choose **WSSPortal_application1 (etpm_ss)**, then right-click and choose **ADF** > **Configure ADF Connections** from the context menu as shown in the following images:

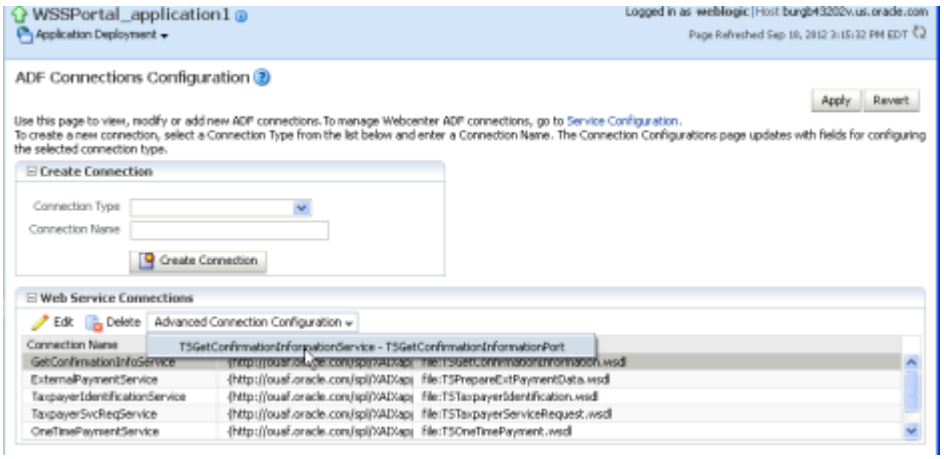




3. Under **Web Service Connections**, each connection name has a corresponding **SOA WSDL URL**. Click on each connection name (e.g., `TSGetConfirmationInformation`), click **Advanced Connection Configuration**, and select **WSDL URL**.

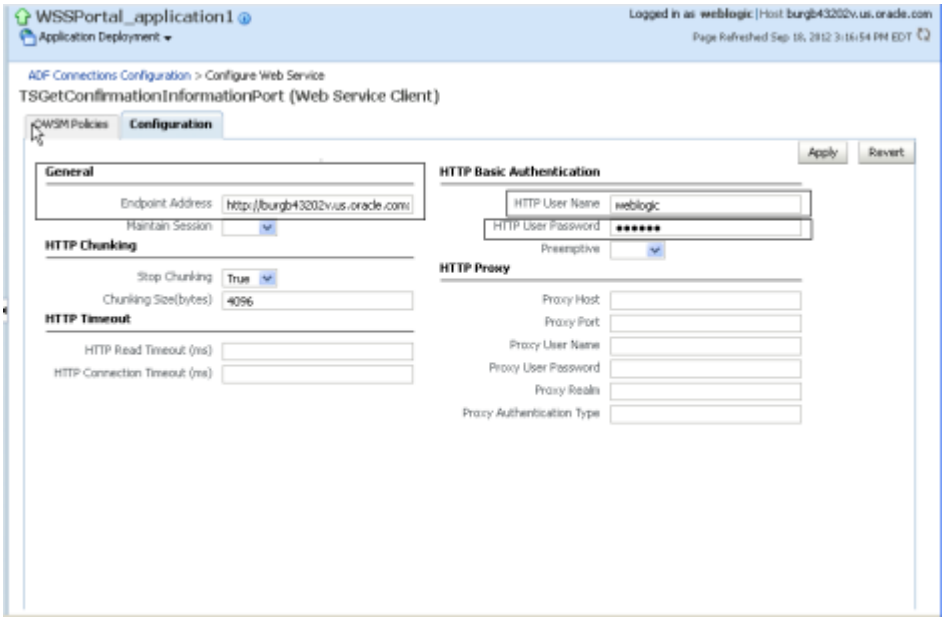
   Example:

   The connection URL, `http://soahostname:soaportno/soa-infra/services/OTSS-ETPM/OTSSRequestStatusInquiryEBF/otssrequeststatusinquirybpelprocess_client_ep`



On the **Configuration** tab (which is not the default tab when the screen first appears), check under **General** for the correct **Endpoint Address** for the SOA Server.

Enter the HTTP User Name and HTTP User Password for the SOA Admin Server to allow the ETPMSS application to access the web services that are deployed in SOA.



Repeat Step 3 for all remaining connections to confirm that detokenization has been completed for all web services and URL connections.

Configuring UCM for ETPMSS

UCM Configuration: Part 1

After the installation process is completed there are a few recommended configuration options that should be set in the UCM server in order to support the ability to include UCM content in the ETPSS portal pages.

1. Log in to the Oracle UCM at `http://WLSAdminHost:UCMServerPortNumber/cs` with *wlsadminuser/wlsadminpasswd*. When this is the first login to the UCM server you will be asked to confirm the settings in order to

finalize the installation of UCM. You need only confirm all settings—there is no need to change anything at this point—and proceed according to the instructions on the screen.

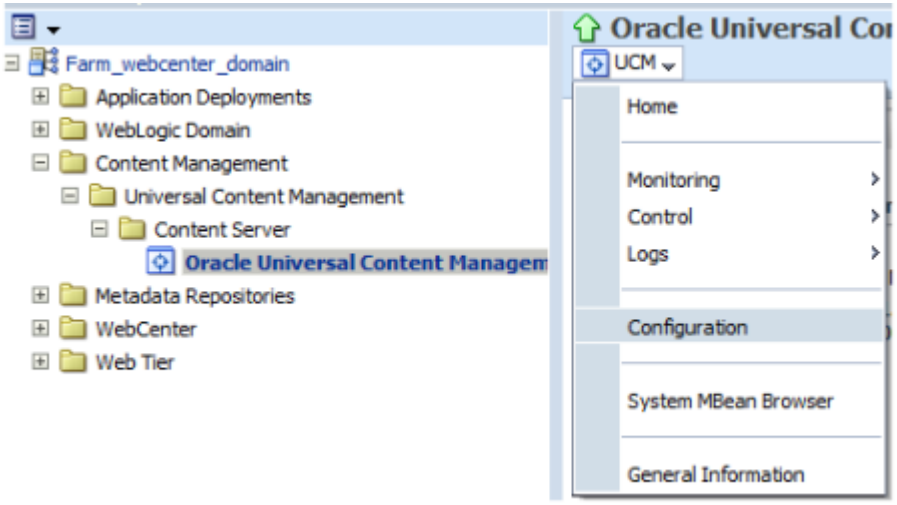
2. Restart the UCM Server after settings are confirmed.
3. Login to the UCM server again using the same credentials you used in the previous step. Expand the **Administration** category in the navigation area, then select the **Admin Server** option. A new window opens for the admin server.
4. In the **Admin Server** window, select the **Component Manager** category in the navigation area, then select the **All Features** radio box. Browse down the list of components and make sure that the following are checked:
   - Under **Folders**: FolderStructureArchive, Folders_g
   - Under **Integration**: WebCenterConfigure
5. Restart the UCM Server once more.

UCM Configuration: Part 2

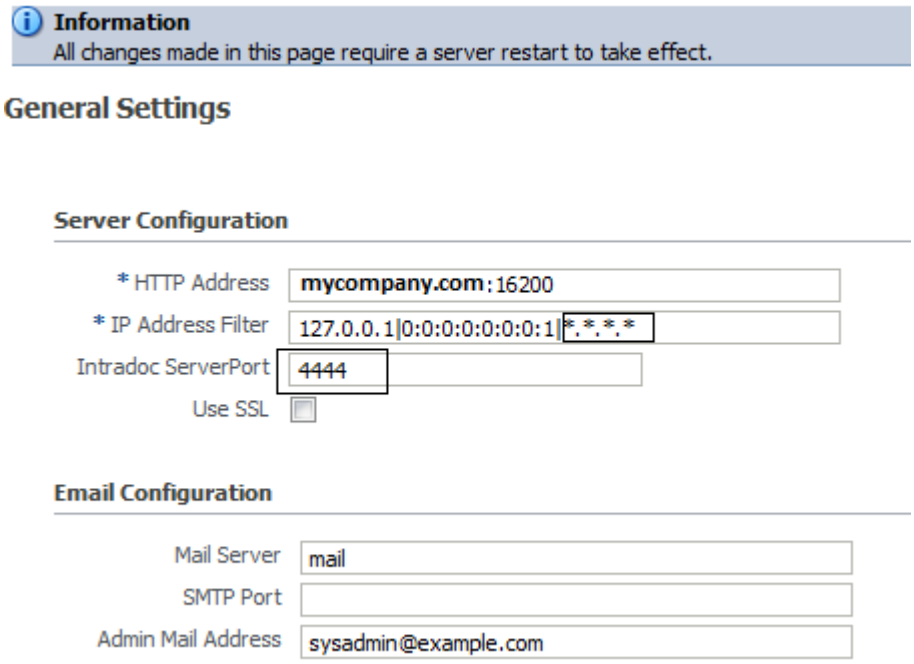
Use the following procedure to configure a socket connection for ETPMSS.

Note: The UCM server must be up and running.

1. Log in into the Oracle Enterprise Manager console at `http://WLSAdminHost:WLSAdminServerPort/em` with *wlsadminuser/wlsadminpasswd*.
2. Choose **Content Management** > **Universal Content Management** > **Content Server**, then select **Oracle Universal Content Management**.
3. Right-click and select **Configuration**.



4. Enter the following in the **Server Configuration** section:
   - Set the **Intradoc ServerPort** to `4444`
   - Modify the **IP Address Filter** list to add either a specific IP address or `*.*.*.*`



5. Restart the UCM_Server.

Verifying the Installation

The following topics comprise a verification checklist for the ETPMSS installation.

Verifying the ETPMSS Schema Tables

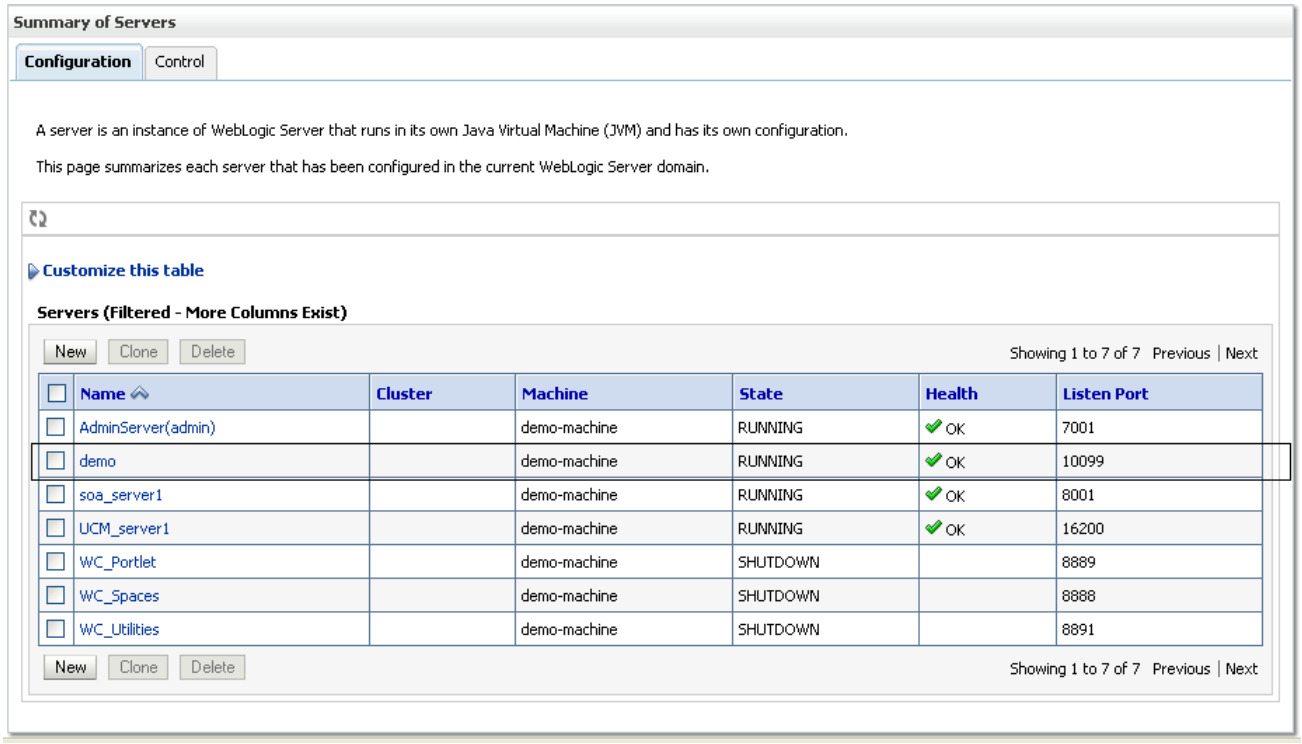
1. Log in into the database with the ETPM-SS dbuser/passwd credentials that you created during the installation process.
2. Verify that the following tables exist by executing the query **`select table_name from user_tables order by table_name;`**
   - TS_CONFIGURATION
   - TS_FIELD
   - TS_FIELD_L
   - TS_INTERVIEW
   - TS_INTERVIEW_L
   - TS_INTERVIEW_SET
   - TS_INTERVIEW_SET_L
   - TS_LANGUAGE
   - TS_LINE_OF_BUSINESS
   - TS_LINE_OF_BUSINESS_L
   - TS_LOOKUP
   - TS_LOOKUP_L

- TS_LOOKUP_VAL
- TS_LOOKUP_VAL_L
- TS_MESSAGE
- TS_MESSAGE_L
- TS_PAYMENT_DESTINATION
- TS_PAYMENT_DESTINATION_FIELD
- TS_PAYMENT_DESTINATION_FIELD_L
- TS_PAYMENT_DESTINATION_L
- TS_PAYMENT_METHOD
- TS_PAYMENT_PROVIDER
- TS_PAYMENT_PROVIDER_L
- TS_SERVICE_REQUEST_DEFN
- TS_SERVICE_REQUEST_DEFN_L
- TS_SERVICE_REQUEST_FIELD
- TS_SERVICE_REQUEST_FIELD_L
- TS_VALIDATION_RULE
- TS_VALIDATION_RULE_L

Verifying That the ETPMSS Server is Created

1. Log in to the Oracle WebLogic Server console at `http:// WLSHostNamet:WLSAdminServerPort/console` with your `weblogicAdminUser/weblogicAdminPassword` credentials.
2. Select the `<etpm-ss-domainname>`, then expand **Environment**, and click **Server**.

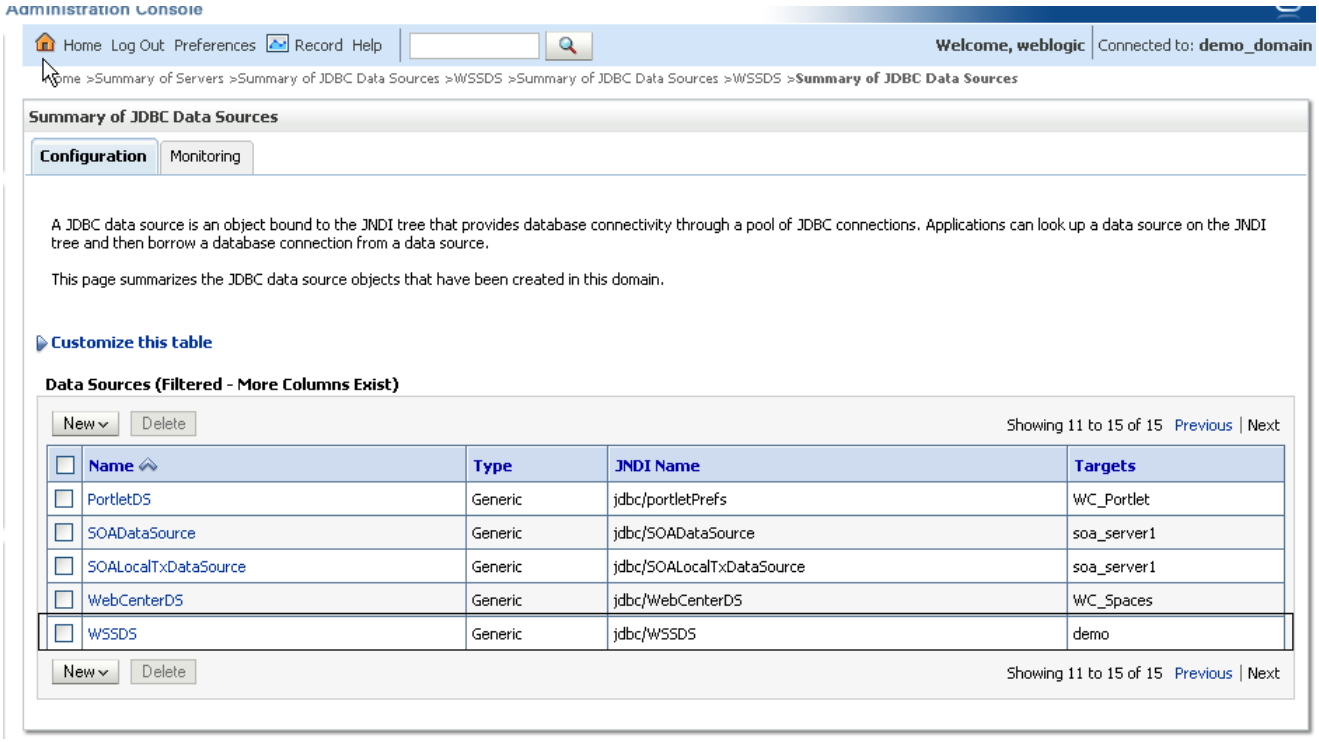
   The server list should include the server name from your installation (as indicated by "demo" in this sample).



Verifying the WSSDS Data Source

1. Log in to the Oracle WebLogic Server console at `http:// WLSHostNamet:WLSAdminServerPort/console` with your `weblogicAdminUser/weblogicAdminPassword` credentials.
2. Select the `<etpm-ss-domainname>`, then expand **Services**, and click **Data Sources**.

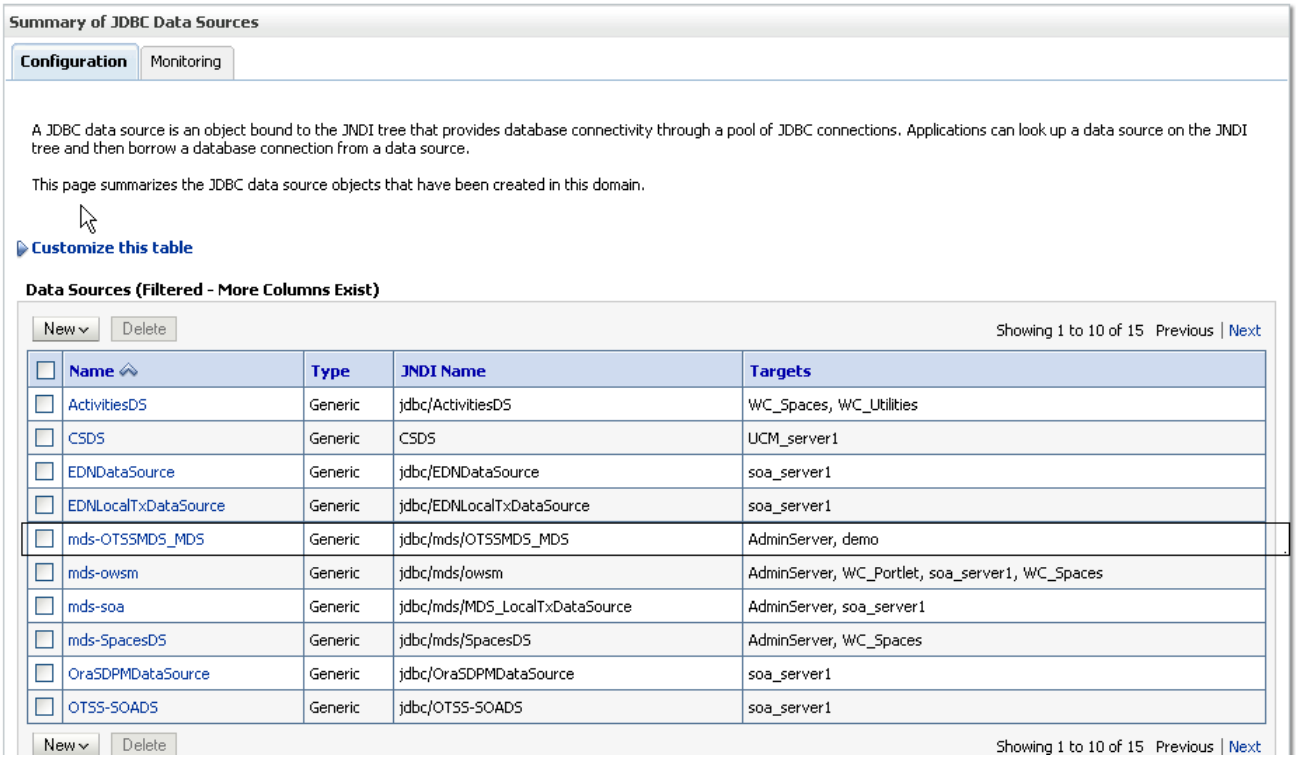
   The list of data sources should include **WSSDS**, targeted to your server, as shown in the following image:



Verifying the mds-OTSSMDS_MDS Data Source

1. Log in to the Oracle WebLogic Server console at `http:// WLSHostNamet:WLSAdminServerPort/console` with your `weblogicAdminUser/weblogicAdminPassword` credentials.
2. Select the `<etpm-ss-domainname>`, then expand **Services**, and click **Data Sources**.

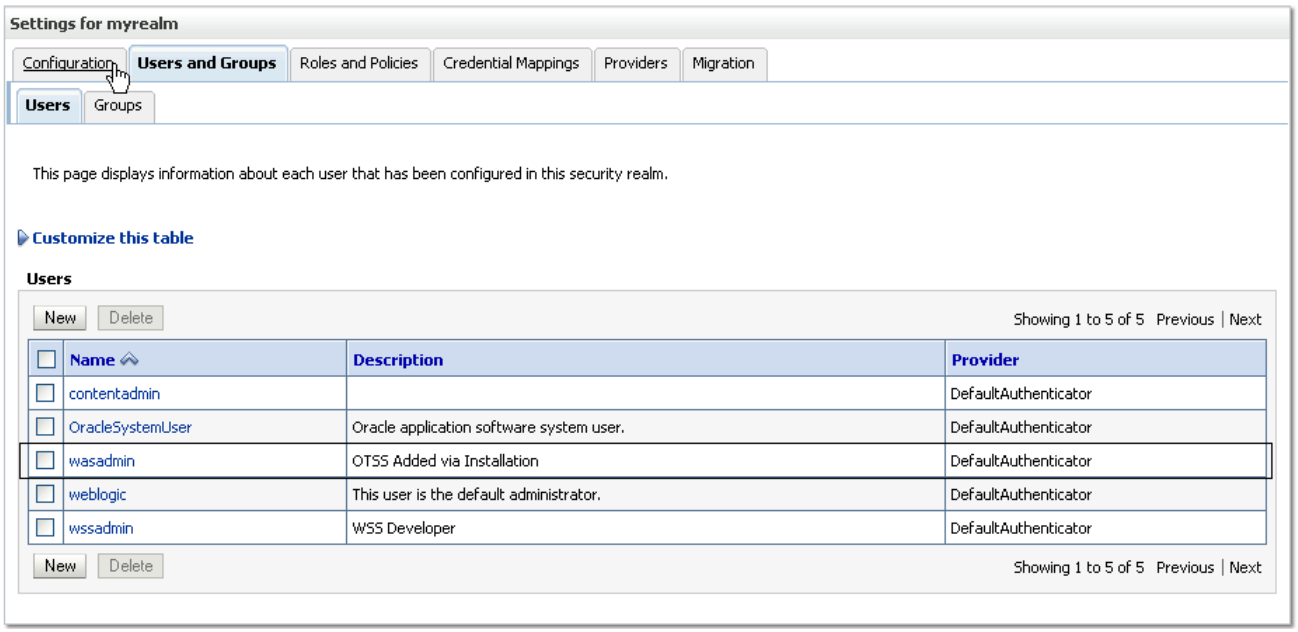
   The list of data sources should include **mds-OTSSMDS_MDS**, targeted to your server, as shown in the following image:

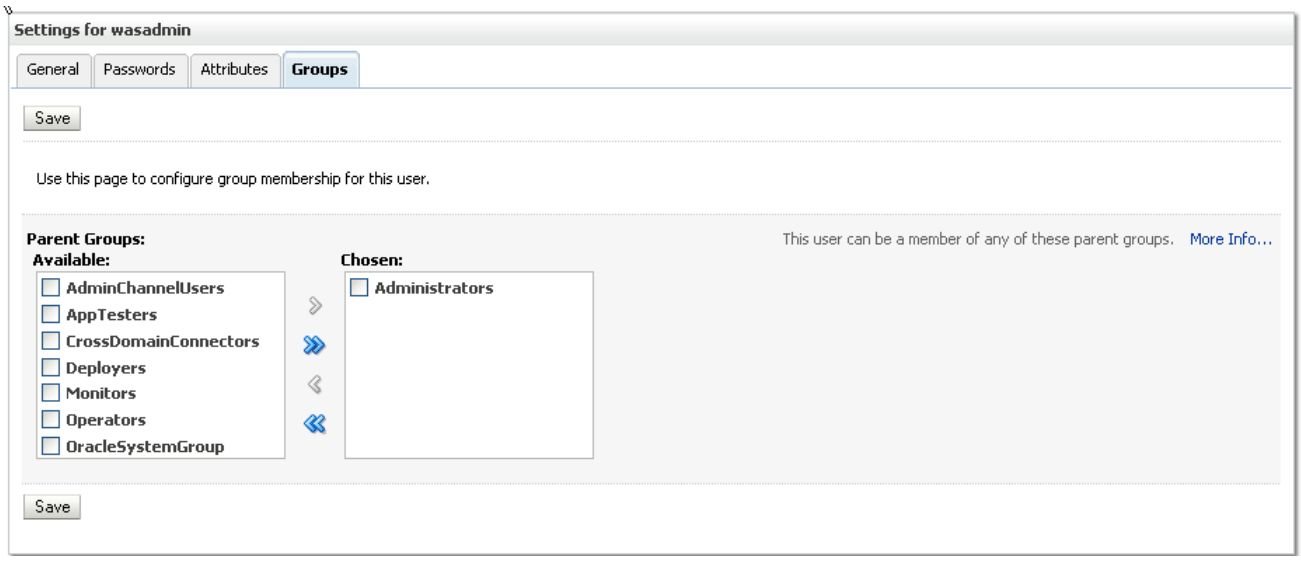


Verifying wasadmin User Creation

1. Log in to the Oracle WebLogic Server console at `http:// WLSHostNamet:WLSAdminServerPort/console` with your `weblogicAdminUser/weblogicAdminPassword` credentials.
2. Select **etpm-ss_domain** > **Security Realms** > **myrealm** > **Users and Groups**.

   The list of users should include **wasadmin** and be part of the **Administrators** group, as shown in the following images:

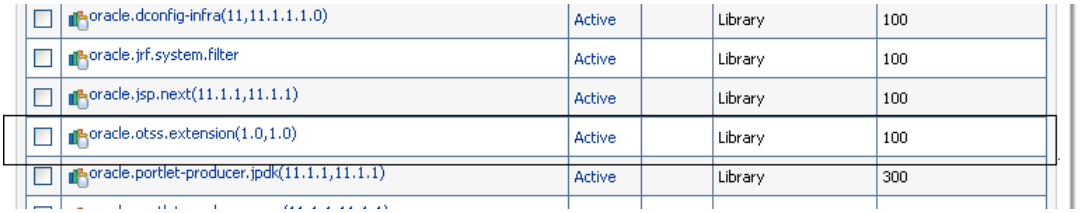




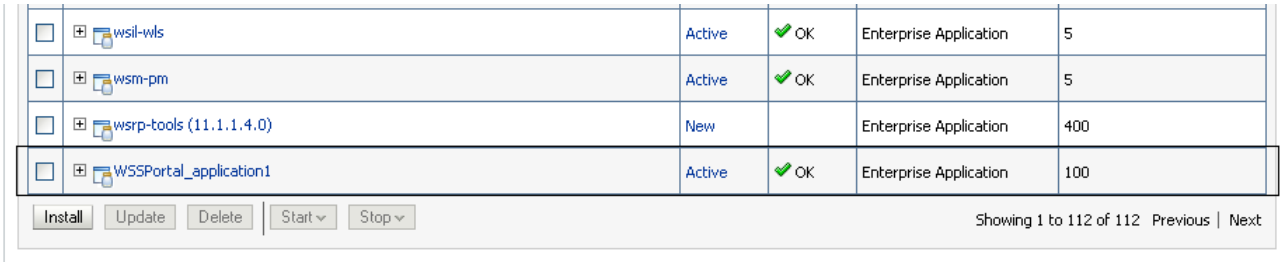
Verifying Successful Application Deployment

1. Log in to the Oracle WebLogic Server console at `http:// WLSHostNamet:WLSAdminServerPort/console` with your *weblogicAdminUser/weblogicAdminPassword* credentials.
2. Select the `<etpm-ss-domainname>`, then expand **Summary of Deployments**.

   The list of deployments should include a shared library, as shown in the following image:



   In addition, the list of deployments should include the **WSSPortal_application1** application, as shown in the following image:



Accessing the ETPMSS Application

To access the ETPMSS application after a successful installation:

User	`http://<weblogic-Server>:<etpm-ss-server-port>/etpmss/faces/pages_home`
Admin	http://<weblogic-Server>:<etpm-ss-server-port> /etpmss/faces/oracle/webcenter/portalapp/pages/login.jspx

Chapter 3

Installing ETPM Integrated Flows

This section describes the installation steps for Oracle Enterprise Taxation Policy Management-related integration flows.

Integration Pre-Installation Tasks

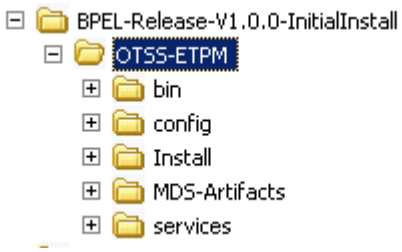
The following tasks should be completed before you install ETPMSS-ETPM integrated flows:

- Extract the ETPM-SS BPEL integration package to a local destination. This destination will be referred to as the PRODUCT_HOME for this installation.
- Ensure that the Oracle SOA Suite is installed and running. (For more information on SOA, refer to the documentation at *http://www.oracle.com/technetwork/middleware/soasuite/documentation/index.html#111130*
- Log in to the WebLogic console to confirm there are no changes in **Pending Activation** status.
- Restart the Enterprise Manager and the WebLogic Administration servers.
- Ensure that the WebLogic Admin server, SOA server, and Node Manager are running.
- Ensure that ETPM V2.3.1 SP1 is properly installed and configured.

Integrated Flows Installation Directory Structure

This folder includes a subfolder hierarchy as shown in the following image:

Note: If any of the folders are read-only, remove the read-only attribute from the folder.



- **bin** contains the scripts to launch the installation utility (one script each for Linux and for Windows):

File	Description
InstallBuild.xml	This is the deployment and installation driver file.
DeployUndeployUtility.xml	This is the deployment driver file for the MDS repository.

- **config** contains the installation configuration file. This file must be updated with the environment configuration prior running the installer (see Appendix A for details on SOA InstallProperties.)

File	Description
InstallProperties.xml	Install parameters file.

- **Install** contains the work file for the application, installation property files, and installation utilities
- **MDS-Artifacts** contains the artifacts that will be uploaded into the MDS repository.
- **services** contains the services that will be compiled and deployed to the soa-server.

Completing the Integration Installation

1. Update the `<PRODUCT_HOME>/config/InstallProperties.xml` file with values appropriate to your environment (see *Appendix A, BPEL/SOA* for a sample InstallProperties.xml file and an explanation of the properties and elements available in the file).

   Note: PRODUCT_HOME refers to the location where the ETPM_SS BPEL installation media are located.

   The syntax for **Product Home** depends on whether you are installing on Linux or Windows. On Linux, the variable is `$PRODUCT_HOME`. On Windows, it is `%PRODUCT_HOME%`.

2. Set the following environment variables (see Appendix I for an ETPMSS-ETPM Integration environment settings example):

Variable	Example
SOA_HOME	<BEA_HOME>Oracle_SOA1
ORACLE_HOME	<BEA_HOME>Oracle_SOA1
MW_HOME	<WebLogic_HOME>/Middleware
WL_HOME	<BEA_HOME>//wlserver_10.3

PRODUCT_HOME	This is the BPEL ETPMSS-ETPM product installation home.
	Linux Example:
	`PRODUCT_HOME=/etpms/ETPM-SS/BPEL-Release-V1.0.0-Release-InitialInstall/OTSS-ETPM`
	Windows Example:
	`PRODUCT_HOME=D:\etpms\ETPM-SS\BPEL-Release-V1.0.0-Release-InitialInstall\OTSS-ETPM`

3. Run the *setWLSEnv* script to set the environment variables for executing the installation scripts.

On UNIX/Linux:

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

On Windows:

```
cd %WL_HOME%\wlsserver_10.3\server\bin\
```

```
setWLSEnv.cmd
```

4. Execute the following installation scripts for your OS to copy the files from the downloaded directory (PRODUCT_HOME) to the appropriate locations in `MW_HOME`
5. Change (cd) to the <PRODUCT_HOME>/bin directory.

   Note: The following ant command should be entered on one line. Also note that no output will be echoed to the screen; refer to the logfile to check progress.

   On UNIX/Linux:

   ```
   cd $PRODUCT_HOME/bin
   ant -f InstallBuild.xml -DInstallProperties=$PRODUCT_HOME/config/
   InstallProperties.xml
   -l installBPEL-ETPMSS.log
   ```

   On Windows:

   ```
   cd %PRODUCT_HOME%\bin
   ant -f InstallBuild.xml -DInstallProperties=%PRODUCT_HOME%\config
   \InstallProperties.xml -l installBPEL-ETPMSS.log
   ```

   After running the command, examine `installBPEL-ETPMSS.log` for any build errors. If "BUILD SUCCESSFUL" does not appear at the end of the file, fix any errors listed in the log before proceeding.
6. Execute the following installation scripts in a command window for your OS to deploy MDS.

   Note: The following ant command should be entered on one line.

   On UNIX/Linux:

   ```
   cd $PRODUCT_HOME/bin
   ant -f $PRODUCT_HOME/bin/DeployUndeployUtility.xml
   -DInstallProperties=$PRODUCT_HOME/config/InstallProperties.xml DeployMDS
   ```

   On Windows:

   ```
   cd %PRODUCT_HOME%\bin
   ant -f =%PRODUCT_HOME%\bin\DeployUndeployUtility.xml
   -DInstallProperties==%PRODUCT_HOME%\config\InstallProperties.xml DeployMDS
   ```
7. Restart both the WebLogic Admin server and the SOA server to activate the installation processes and ensure that all artifacts are successfully installed.

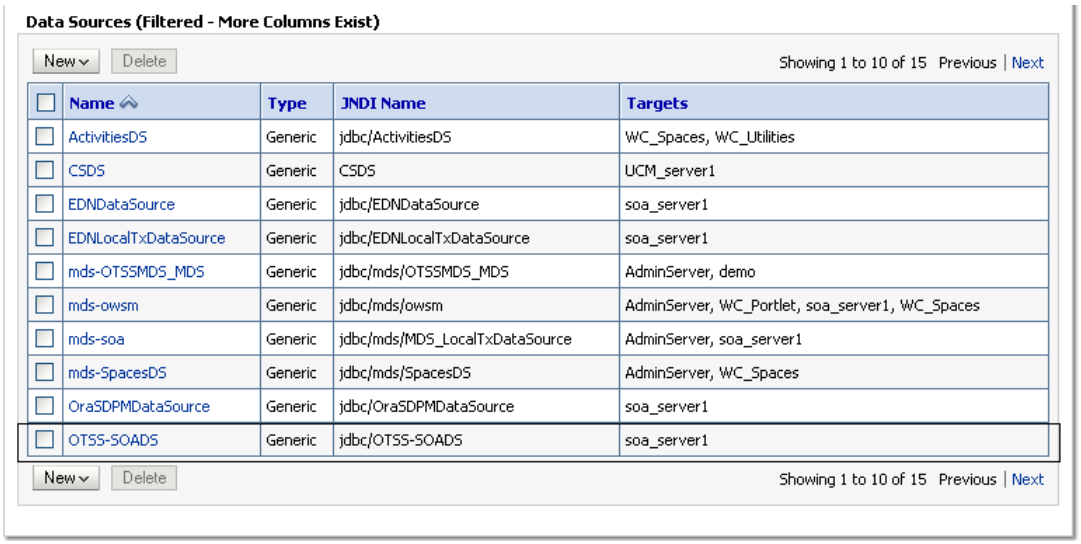
Post-Integration Checklist

This section describes procedures to verify integration of the ETPMSS-ETPM flows.

Verifying That the OTSS-SOADS Data Source Has Been Created

1. Log in to the Oracle WebLogic Server console at `http:// WLSHostNamet:WLSAdminServerPort/console` with your *weblogicAdminUser/weblogicAdminPassword* credentials.
2. Select the <soa-domain>, then expand **Services**, and click **Data Sources**.

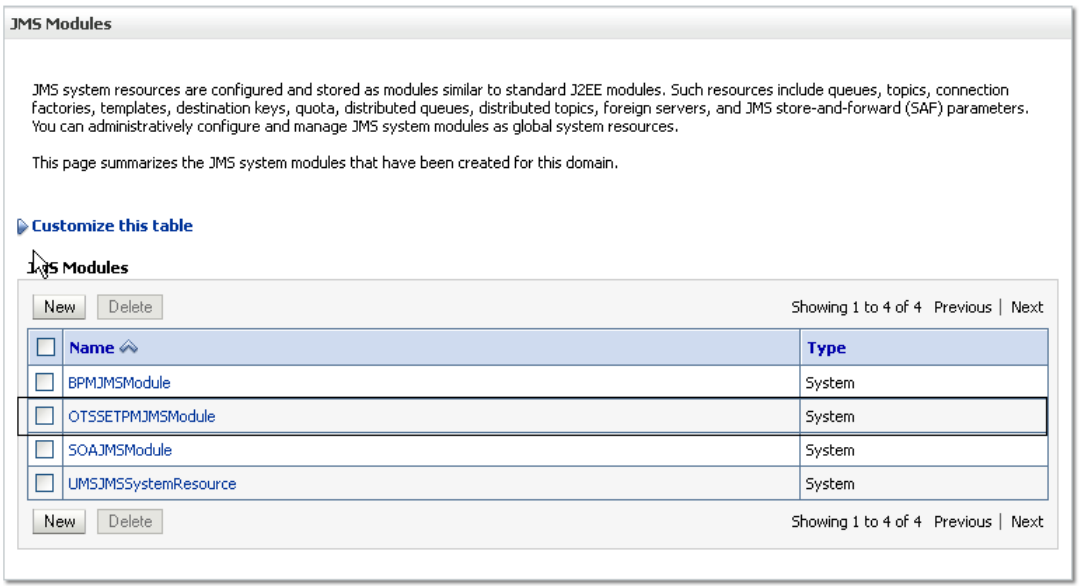
   The list of data sources should include **OTSS-SOADS**, as shown in the following image:



Verifying That JMS Modules Have Been Created

1. Log in to the Oracle WebLogic Server console at `http:// WLSHostNamet:WLSAdminServerPort/console` with your *weblogicAdminUser/weblogicAdminPassword* credentials.
2. Select the <soa_domain>, expand **Messaging**, and click **JMS Modules**.

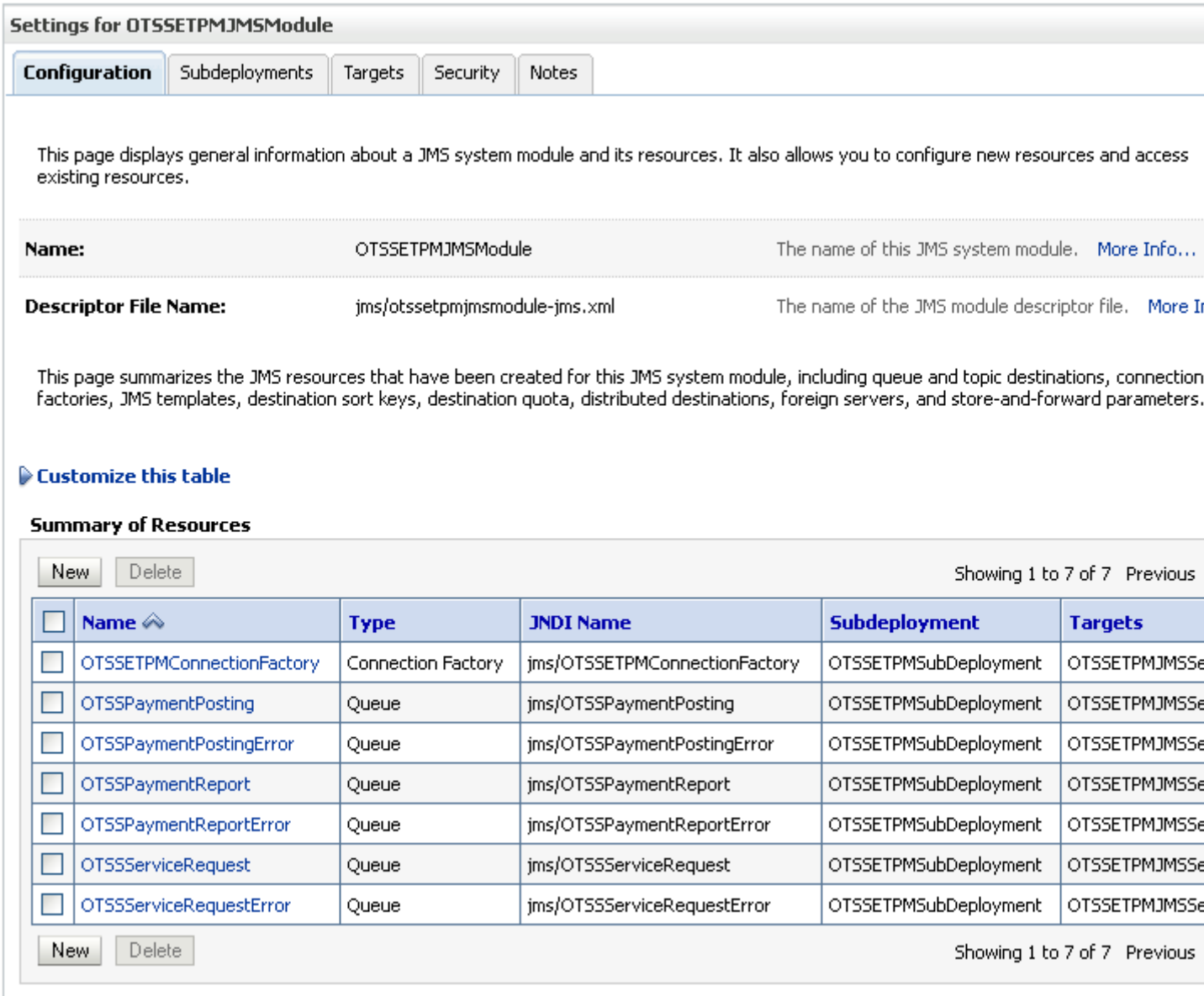
   The list of JMS Modules should include **OTSSETPMJMSModule**, as shown in the following image:



3. Click on **OTSSETPMJMSModule**.

The list of resources should include the following:

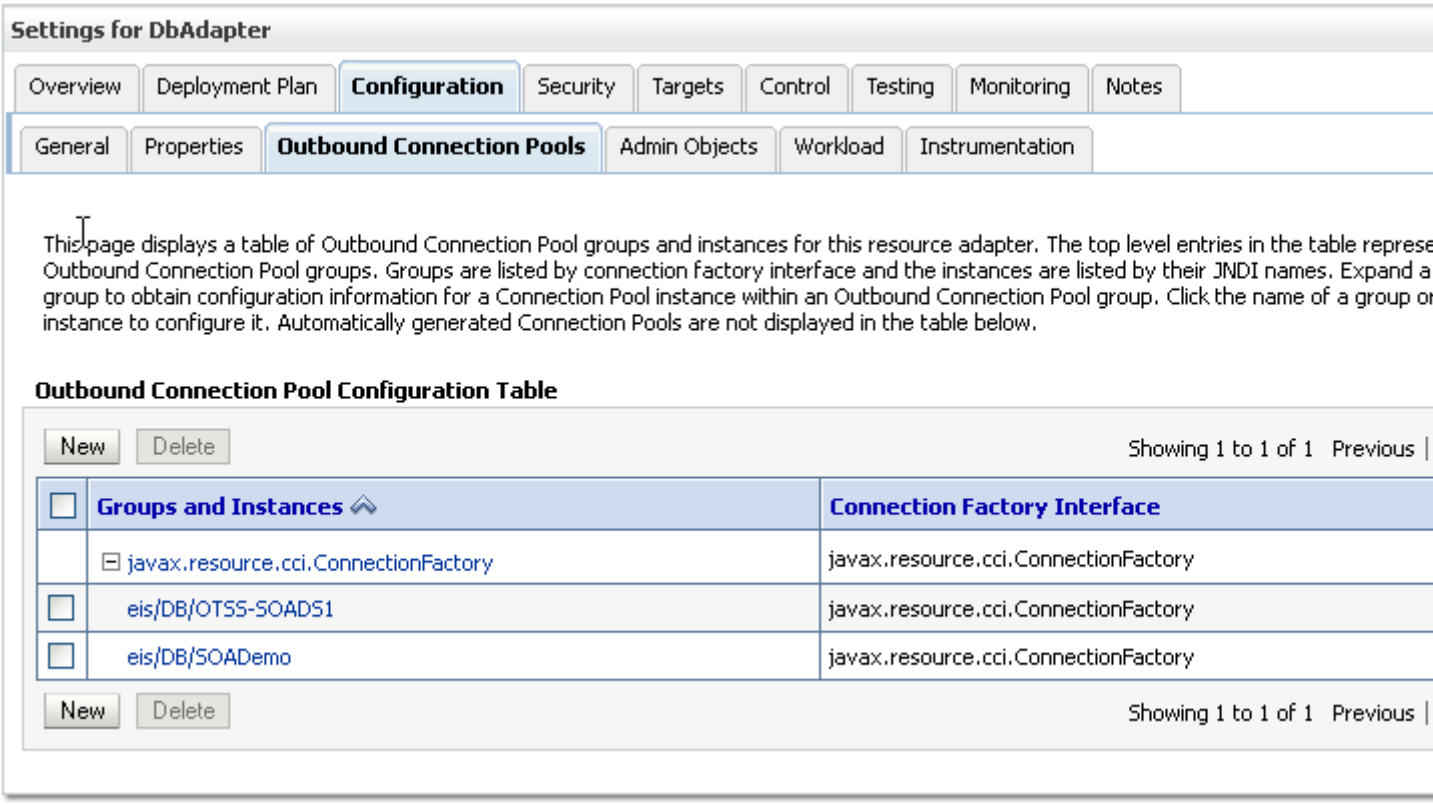
- OTSSETPMConnectionFactory
- OTSSPaymentPosting
- OTSSPaymentPostingError
- OTSSPaymentReport
- OTSSPaymentReportError
- OTSSServiceRequest
- OTSSServiceRequestError



Verifying That the OTSS-SOADS1 Data Source Has Been Created

1. Log in to the Oracle WebLogic Server console at `http://WLSHostNamet:WLSAdminServerPort/console` with your *weblogicAdminUser/weblogicAdminPassword* credentials.
2. Select the <soa-domain>, then click on **Deployments**, and click the deployment for **DbAdapter**, as shown in the following image:

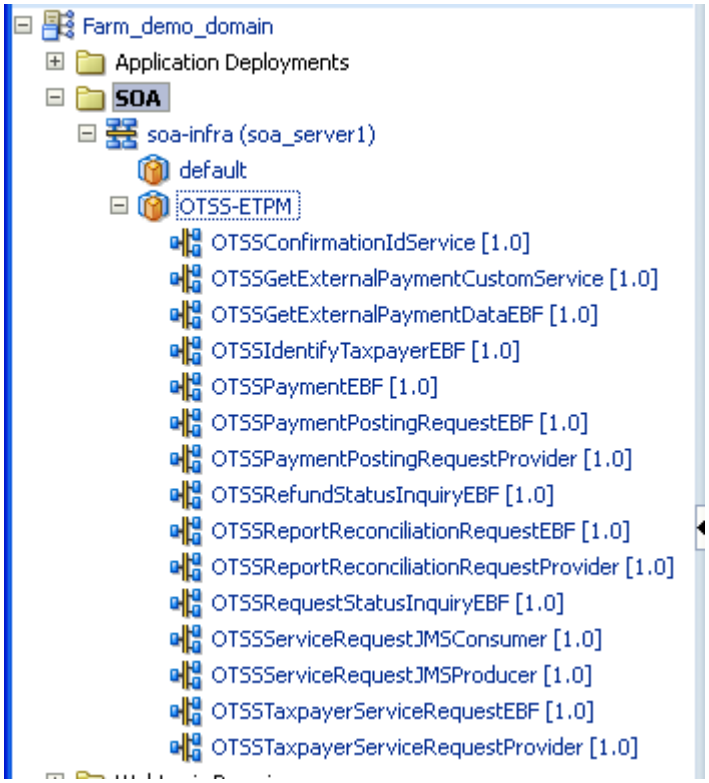
3. Click **Configuration – Outbound Connection Pools**, with a **Group and Instance** of **eis/DB/OTSS-SOADS1**, as shown in the following image:



Verifying Composites in Enterprise Manager

To verify that the ETPMSS-ETPM partition was created with all composites deployed:

1. Log in into the Oracle Enterprise Manager console at `http://WLSAdminHost:WLSAdminServerPort/em` with your *wlsadminuser/wlsadminpasswd* credentials.
2. Expand the **Farm_soa_domain** > **soa** > **soa-infra** OTSS-ETPM partition.



3. Verify that following composites are deployed (there should be a total of 15):
   - OTSSConfirmationIdService
   - OTSSGetExternalPaymentCustomService
   - OTSSGetExternalPaymentDataEBF
   - OTSSIdentifyTaxpayerEBF
   - OTSSPaymentEBF
   - OTSSPaymentPostingRequestEBF
   - OTSSPaymentPostingRequestProvider
   - OTSSRefundStatusInquiryEBF
   - OTSSReportReconciliationRequestEBF
   - OTSSReportReconciliationRequestProvider
   - OTSSRequestStatusInquiryEBF
   - OTSSServiceRequestJMSConsumer
   - OTSSServiceRequestJMSProducer
   - OTSSTaxpayerServiceRequestEBF
   - OTSSTaxpayerServiceRequestProvider

Chapter 4

Integrating Documaker with ETPM

Online Document Display and Batch Document Integration with Oracle Documaker

Oracle Documaker enables Adobe's Portable Document Format (PDF) to be used for on-line viewing and Internet delivery of online letter documents. This section describes how Oracle Enterprise Taxation and Policy Management can be integrated with Documaker to enable letters to be viewed online.

Documaker can also be used to generate letters using Oracle Enterprise Taxation and Policy Management's batch functionality. To configure this functionality, make sure that the batch job used to produce letters references the appropriate file path as configured by an implementation.

Documaker software must be purchased and installed separately. Documaker can be purchased and licensed from the Oracle Software Delivery Cloud (http:// edelivery.oracle.com/).

Supported Documaker Versions

At the time of release of this product, Oracle Enterprise Taxation and Policy Management 2.3.1 supports Oracle Documaker Release 12.0 for Windows and 12.0 for Linux.

Supported Oracle Documaker Templates

Oracle Enterprise Taxation and Policy Management includes a sample algorithm to extract data for letters to integrate with Documaker.

Refer to **Defining Taxpayer Options** > **Setting Up Customer Contact Options** > **Letter Printing** in the *Oracle Enterprise Taxation and Policy Management Administration Guide* online Help for additional information.

Installing and Integrating Documaker Templates with ETPM

Follow this procedure to integrate the supplied Oracle Documaker templates with your ETPM installation, and to configure your system for the integration.

1. Log in to the target server hosting the environment that you are setting up for online image display.
2. Initialize the target environment:

   On UNIX:

   ```
   $SPLEBASE/bin/splenviron.sh -e <SPLENVIRON>
   ```

   On Windows:

   ```
   %SPLEBASE%\bin\splenviron.cmd -e <SPLENVIRON>
   ```

3. Add the following environmental variables:

Environment Variable	Description
DOCDISPINI	Location of the ini file. Example value: `$SPLEBASE/etc/doc1dirfile.ini`
DOCHOSTDIR	The value of **DOCHOSTDIR** should be set to the location where Documaker has been installed. Example value: `/ouaf/documaker/rel115`
DOCPATH	Location where the generated files from the batch are located. Example value: `/ouaf/sploutput/V231_ETPM`

   You can add these environment variables by using **`cmenv.sh/cmenv.cmd exit`**, as documented in the *OUAF Technical Best Practices Guide*.

   Example for UNIX:

   ```
   $SPLEBASE/scripts/cm
   #> cat cmenv.sh
   DOCDISPINI=$SPLEBASE/etc/doc1dirfile.ini; export DOCDISPINI DOCHOSTDIR=/ouaf/
   documaker/rel115; export DOCHOSTDIR DOCPATH=/ouaf/sploutput/V231_ETPM; export
    DOCPATH
   ```

   Example for Windows:

   ```
   %SPLEBASE%/scripts/cm
   #> type cmenv.cmd
   SET DOCDISPINI=%SPLEBASE%\etc\doc1dirfile.ini
   SET DOCHOSTDIR=C:\ouaf\documaker\rel115
   SET DOCPATH=C:\ouaf\sploutput\V231_ETPM
   ```

4. Run the **`initialSetup`** utility for the environment to generate the Oracle Enterprise Taxation and Policy Management related Documaker INI files:

   On UNIX:

   ```
   $SPLEBASE/bin/initialSetup.sh
   ```

On Windows:

```
%SPLEBASE%\bin\initialSetup.cmd
```

5. Stop and start the environment:

   On UNIX:

   ```
   $SPLEBASE/bin/spl.sh stop/start
   ```

   On Windows:

   ```
   %SPLEBASE%\bin\spl.cmd stop/start
   ```

6. Copy the file ETPM-<OS>.jar to a temporary folder (referred to hereafter as <TEMPDIR>) on the target server. If you are using FTP to transfer this file to a UNIX server, remember to use the **BINARY** option for the FTP transfer.

   Note: For UNIX, copy the **ETPM-Unix.jar**. On Windows, copy the **ETP-Windows.jar**

7. Decompress the file:

   ```
   cd <TEMPDIR>
   jar -xvf ETPM--<OSplatform>.jar
   ```

   On UNIX:

   ```
   find . -type f | xargs chmod 750
   ```

   The ETM folder will be extracted.

8. If one does not already exist, create a folder named **etm** under the Oracle Documaker host directory `<DOCHOSTDIR>`. Copy the contents of the appropriate **etm** folder in the `<TEMPDIR>` to the **etm** directory Oracle Documaker host directory on the target application server (see the "Software Requirements" section in the *Oracle Enterprise Taxation and Policy Management Installation Guide* for the installation location).

   It should be at the same level as the **fap** folder.

   Example contents of `<$DOCHOSTDIR>/etm`:

   ```
   |-- etm
   | |-- data
   | |-- deflib
   | |-- forlib
   | |-- forms
   | |-- input
   | |   |-- table
   ```

9. Ensure that the Oracle Enterprise Taxation and Policy Management Administrator user ID (typically *cissys*) has execute permissions to all files in the `<DOCHOSTDIR>/fap` and `<DOCHOSTDIR>/etm` folders.

Table 2: Sample Directory Structure

Directory	Contents
`<DOCHOSTDIR>/FAP`	Documaker binaries
`<DOCHOSTDIR>/etm`	ETPM templates and driver programs
`<DOCHOSTDIR>/tax/examples`	ETPM example PDFs

Sample Generated Ini File

The following files will be populated during the execution of the *initialSetup* utility.

Example on UNIX: `doc1dirfile.ini`

```
ONLINE DOC HOST=/ouaf/documaker/rel115
ONLINE DOC TEMPLATE=/ouaf/documaker/rel115/etm
DOC EXTRACT PATH=/ouaf/sploutput/V231_ETPM/
DOC IMAGE PATH=/ouaf/V231_ETPM /splapp/letterView/
DOC IMAGE SCRIPT=/ouaf/documaker/rel115/etm/_PrintDoc.sh
URL PREFIX=/ouaf/letterView/
```

Oracle Documaker Integration

This section describes the ETPM components that are used for displaying letters using Oracle Documaker.

Oracle Documaker Algorithm

The base product provides an installation algorithm plug-in spot called **Online Letter Image**. This plug-in spot should contain an algorithm that invokes the **Create PDF of Letter** image by calling Oracle Documaker.

Oracle Enterprise Taxation and Policy Management provides an algorithm type and a corresponding algorithm called **C1-LT-DISP**, which invokes Oracle Documaker. This algorithm is responsible for calling the letter extract program and passing the letter information flat file to the document image generator script defined in the documentation ini file to create a letter image in PDF format. The URL of this PDF file is then returned back to the client browser, which renders the letter image.

To use the base algorithm, navigate to the **Installation Options - Framework**, and add an entry to the algorithm collection with an algorithm entity of **Online Letter Image** and the algorithm **C1-LT-DISP**.

Appendix A

BPEL/SOA installProperties.xml

The following listing shows the structure and sample data contained in installProperties.xml.

```
<?xml version="1.0" standalone="yes"?>
<config>
 <OTSS-ETPM>
  <modulename>OTSS-ETPM</modulename>
  <ETPM>
  <ApplicationUsername>SYSUSER</ApplicationUsername>
  <ApplicationPassword> </ApplicationPassword>
   <AdminServer>
    <hostname>AdminServer.us.oracle.com</hostname>
    <portnumber>7001</portnumber>
    <servername>myserver</servername>
    <appcontextroot>ouaf</appcontextroot>
    <username> </username>
    <password> </password>
   </AdminServer>
   <ManagedServer>
    <hostname> </hostname>
    <portnumber> </portnumber>
    <servername> </servername>
    <username> </username>
    <password> </password>
   </ManagedServer>
  </ETPM>
  <WorkFlow.Notification>
   <from.emailid>  </from.emailid>
  </WorkFlow.Notification>
 </OTSS-ETPM>
 <SOA>
  <AdminServer>
   <hostname>  </hostname>
   <portnumber> </portnumber>
```

```
   <servername> </servername>
   <username> </username>
   <password> </password>
   <domainname> </domainname>
  </AdminServer>
  <ManagedServer>
   <hostname>  </hostname>
   <portnumber> </portnumber>
   <servername> </servername>
   <username> </username>
   <password> </password>
  </ManagedServer>
  <mdsconfig>
   <mdsdbusername> </mdsdbusername>
   <mdsdbuserpassword> </mdsdbuserpassword>
   <mdsdbhostname>  </mdsdbhostname>
   <mdsdbportnumber> </mdsdbportnumber>
   <mdsdbsid> </mdsdbsid>
  </mdsconfig>
   <JMS>
    <serverName>OTSSETPMJMSServer</serverName>
    <ModuleName>OTSSETPMJMSModule</ModuleName>
    <SubDeploymentName>OTSSETPMSubDeployment</SubDeploymentName>
     <TargetServerName> </TargetServerName>
 <PersitentStoreName>OTSSETPMFileStore</PersitentStoreName>
 <PersitentStoreType>FileStores</PersitentStoreType>
 <PersistentStoreFilename> </PersistentStoreFilename>
   </JMS>
 </SOA>
 <DS>
  <dba.dbusername> </dba.dbusername>
  <dba.dbuserpassword> </dba.dbuserpassword>
  <dbusername> </dbusername>
  <dbuserpassword> </dbuserpassword>
  <dbuser.createflag>true</dbuser.createflag>
  <dbhostname> </dbhostname>
  <dbportnumber> </dbportnumber>
  <dbsid> </dbsid>
 </DS>
</config>
```

InstallProperties XPath Descriptions and Examples

Property	Description	Example
<config>		
<modulename>	Name of the integration module	Default: **OTSS-ETPM** Do not change this value.
<ETPM>		
<AdminServer>	Currently not used; leave subelements blank	
<hostname>	Host name of the server in which the ETPM admin server is installed	
<portnumber>	ETPM port number the admin server is listening to	
<servername>	Admin ETPM server name	

Property	Description	Example
<username>	User name used to log in as an Admin server administrator	
<appcontextroot>	Context root of the ETPM Application	ouaf
<password>	Password used to log in as an Admin server administrator	
<ManagedServer>	Currently not used; leave this and subelement blank	
<hostname>	Currently not used; leave this and subelement blank	
<portnumber>	Currently not used; leave this and subelement blank	
<servername>	Currently not used; leave this and subelement blank	
<username>	Currently not used; leave this and subelement blank	
<password>	Currently not used; leave this and subelement blank	
<WorkFlow.Notification>		
<from.emailid>	Email ID which should be set in the “From” property of Workflow Notification bean	admin@oracle.com
<SOA>		
<AdminServer>		
<hostname>	Host name of the server where admin server hosting SOA suite is installed.	soaadmin.oracle.com
<portnumber>	Port number the admin server (hosting SOA suite) is listening to.	7001
<servername>	Admin server name (hosting SOA suite)	AdminServer
<username>	User name used to log in as an Admin server (hosting SOA suite) administrator.	weblogic
<password>	Password used to log in as an Admin server (hosting SOA suite) administrator.	
<domainname>	WebLogic domain name hosting SOA suite.	soa_domain
<adminemail>	Admin Email Address for OPC	
<ManagedServer>		
<hostname>	Host name of the server where managed server (hosting SOA suite) is installed.	managedserver.oracle.com
<portnumber>	Port number the managed server (hosting SOA suite) is listening to.	8001
<servername>	Managed server name (hosting SOA suite)	soa-server1
<username>	User name used to log in to managed server (hosting SOA suite) as an administrator.	weblogic
<password>	Password used to log in to managed server (hosting SOA suite) as an administrator	

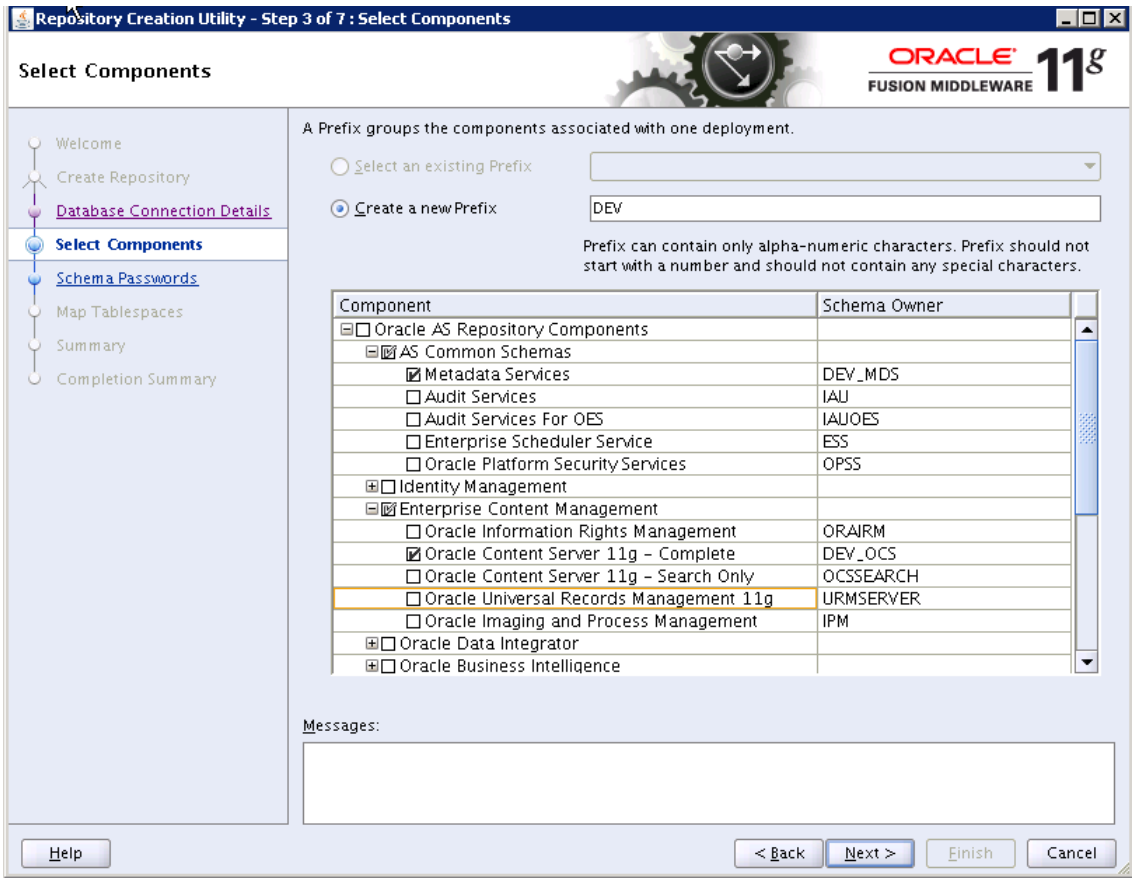
Property	Description	Example
<mdsconfig>		
<mdsdbusername>	User name used to log in to MDS schema.	DEV_MDS
<mdsdbuserpassword>	Password used to log in to MDS schema.	
<mdsdbhostname>	Host name of the server hosting the database containing MDS schema	
<mdsdbportnumber>	Port number of the database containing MDS schema.	1521
<mdsdbsid>	SID of the database containing MDS schema	
<JMS>		
<serverName>	Server name hosting the JMS queue. **Note:** Queues are hosted and targeted on a WebLogic domain hosting SOA suite, do not change this value	OTSSETPMJMSServer
<ModuleName>	Module name hosting the JMS queue.	OTSSETPMJMSModule
<SubDeploymentName>	Sub deployment name for JMS queues	OTSSETPMSubDeployment
<TargetServerName>	WebLogic managed server name.	soa-server1
<PersistentStoreName>	JMS persistent store name	OTSSETPMFileStore
<PersitentStoreType>	JMS persistent store name	FileStores
<PersistentStoreFilename>	JMS persistent store type (FileStores)	
<DS>		
<dba.dbusername>	User name used to log in as a database administrator (DBA).\ This database hosts the schema required for the ETPMSS Direct Flows Integration	system
<dba.dbuserpassword>	Password used to log in as a database administrator (DBA).	
<dbusername>	User name used to log in to OTSSBPEL schema for ETPM SS Direct Flows integration. This user can be automatically created by the install (set dbuser.createflag to true) or manually outside the install process.	
<dbuserpassword>	Password used to log in to **OTSSBPEL** schema for ETPM SS Direct Flows Integration.	
<dbuser.createflag>	Flag specifying whether to create a new schema or use the existing schema for ETPMSS Direct Flows Integration. If the schema is created manually outside of the installation process, then set this value to “false”. Else, set the value to “true”, if the installation script should automatically create the schema. Valid values: true or false (this is case sensitive)	true

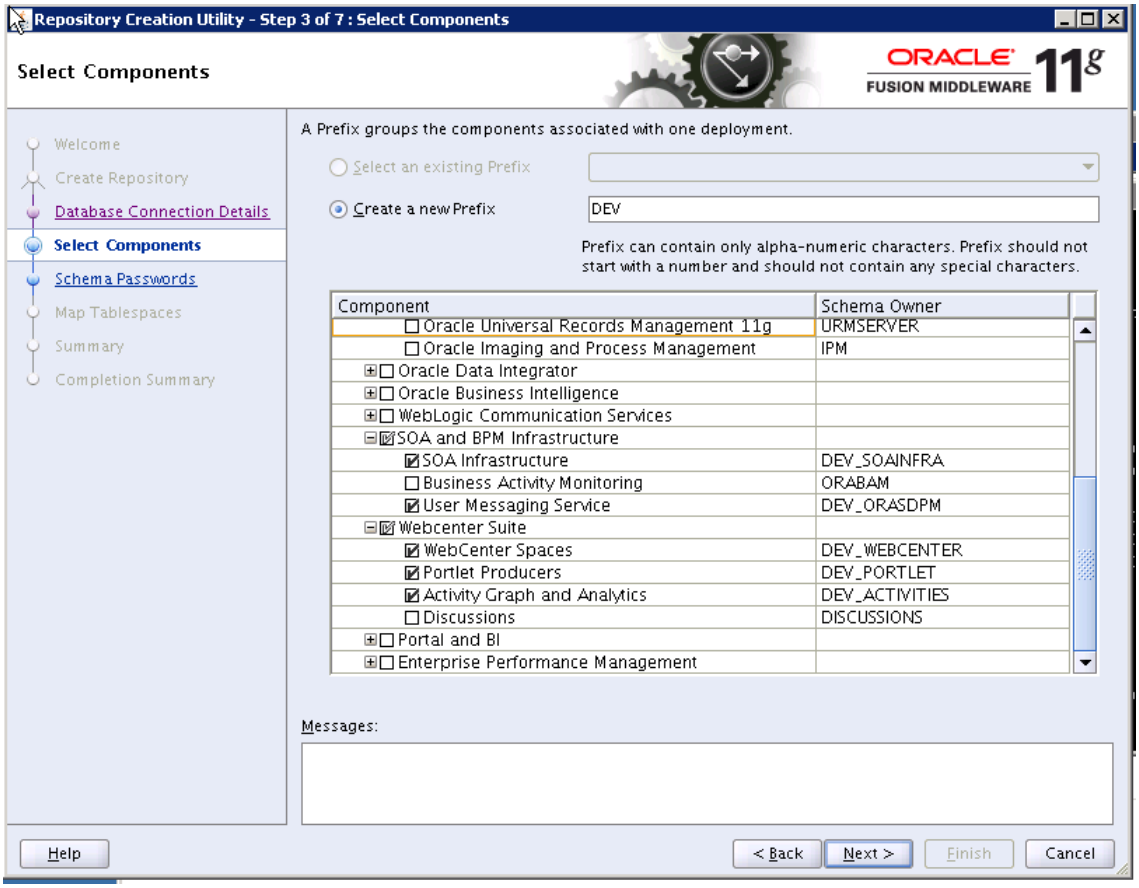
Property	Description	Example
<dbhostname>	Database host name used for ETPM SS Direct Flows Integration.	Database.us.oracle.com
<dbportnumber>	Database port number used for ETPM SS Direct Flows Integration.	1521
<dbsid>	Database SID used for ETPM-SS Direct Flows Integration.	SID

Appendix B

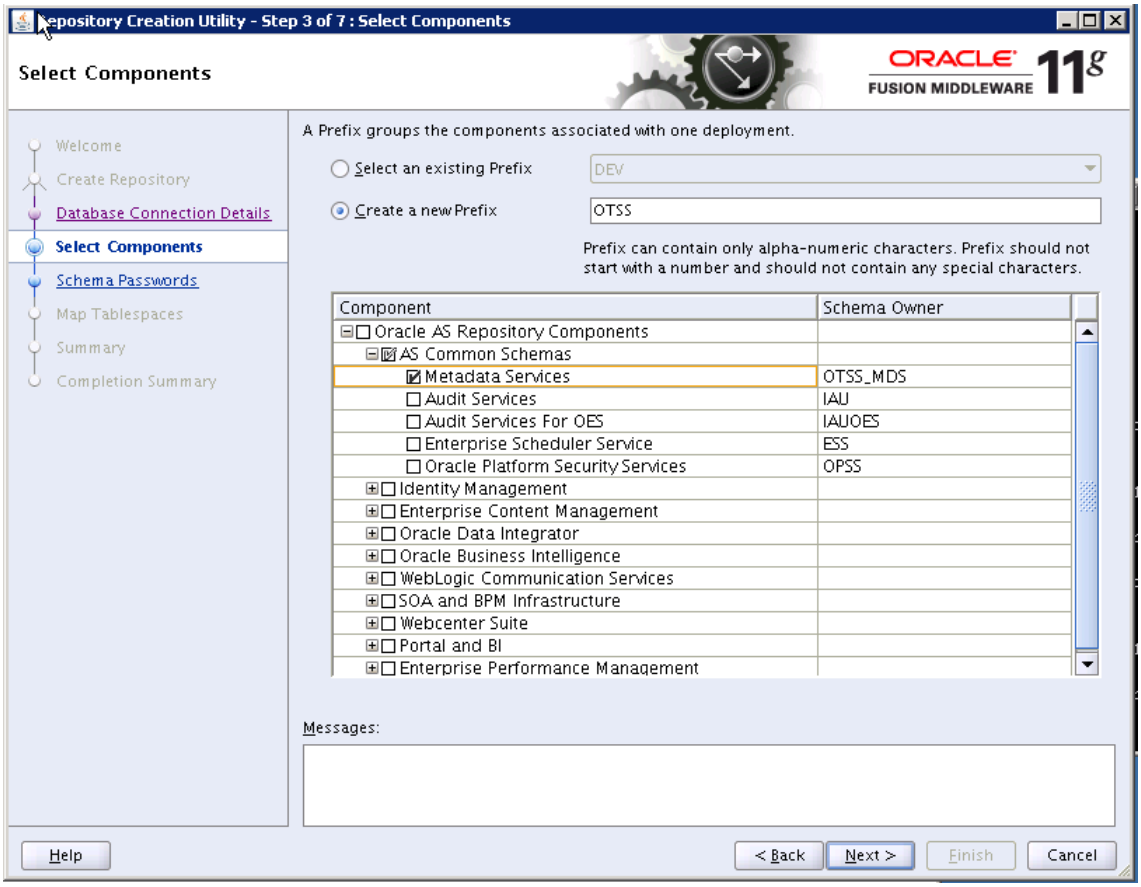
RCU Database Creation (Sample)

When creating the RCU database you should configure the following components.





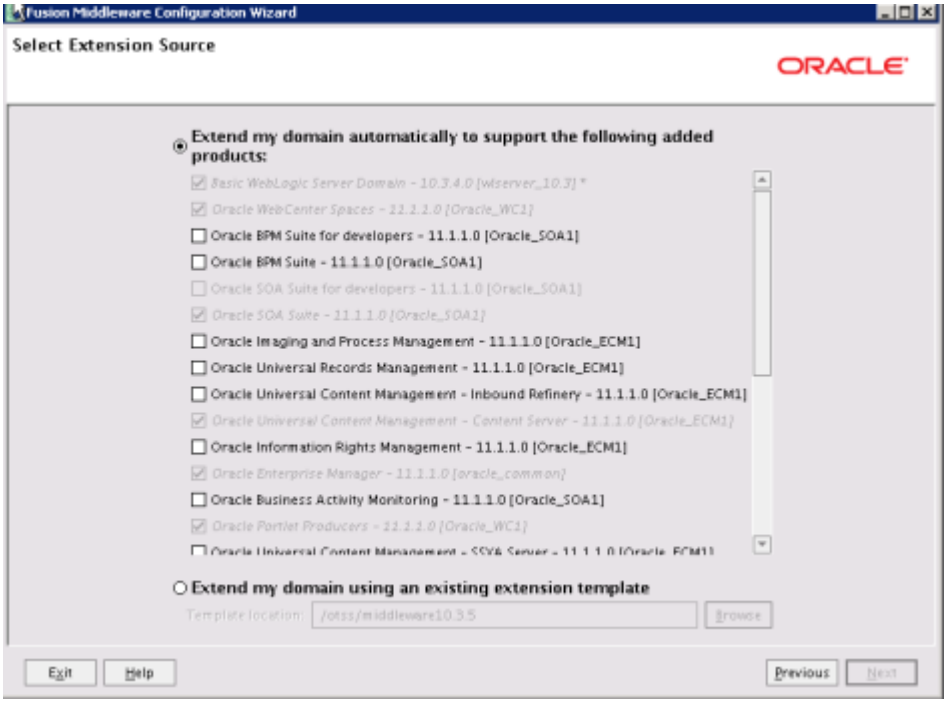
Create a separate MDS schema in the database for the ETPM-SS application.

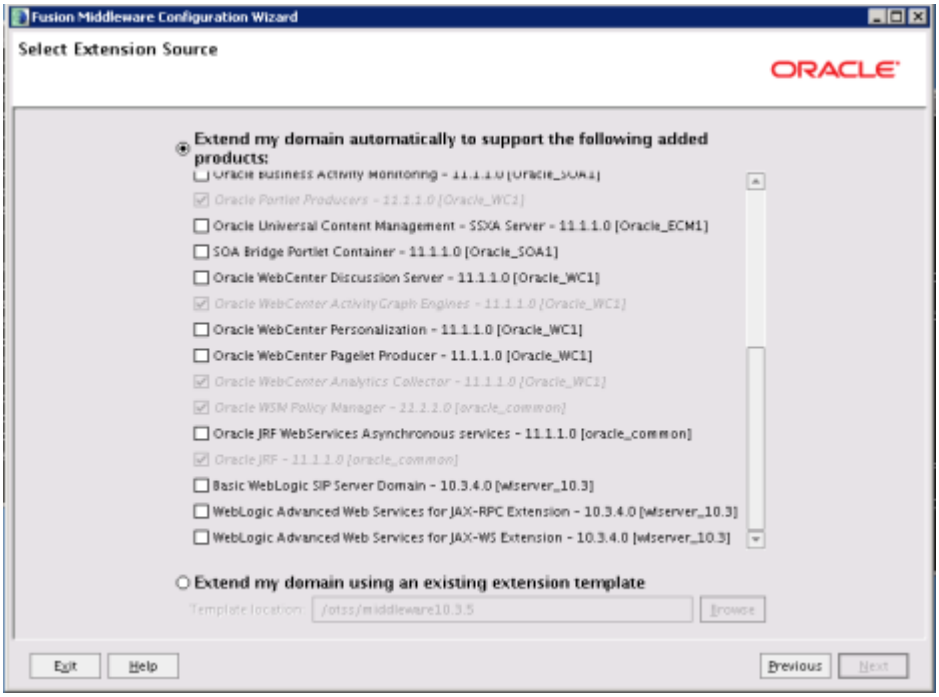

epository Creation Utility - Step 3 of 7 : Select Components
Select Components
ORACLE
FUSION MIDDLEWARE 11g
Welcome
Create Repository
Database Connection Details
Select Components
Schema Passwords
Map Tablespaces
Summary
Completion Summary
A Prefix groups the components associated with one deployment.
Select an existing Prefix
DEV
Create a new Prefix
OTSS
Prefix can contain only alpha-numeric characters. Prefix should not start with a number and should not contain any special characters.
Component
Schema Owner
Oracle AS Repository Components
AS Common Schemas
Metadata Services
OTSS_MDS
Audit Services
IAU
Audit Services For OES
IAUOES
Enterprise Scheduler Service
ESS
Oracle Platform Security Services
OPSS
Identity Management
Enterprise Content Management
Oracle Data Integrator
Oracle Business Intelligence
WebLogic Communication Services
SOA and BPM Infrastructure
Webcenter Suite
Portal and BI
Enterprise Performance Management
Messages:
Help
< Back
Next >
Finish
Cancel

Appendix C

ETPM-SS Sample Domain Creation

The following is a sample of the extension that will be needed to be installed prior to installing ETPM-SS.

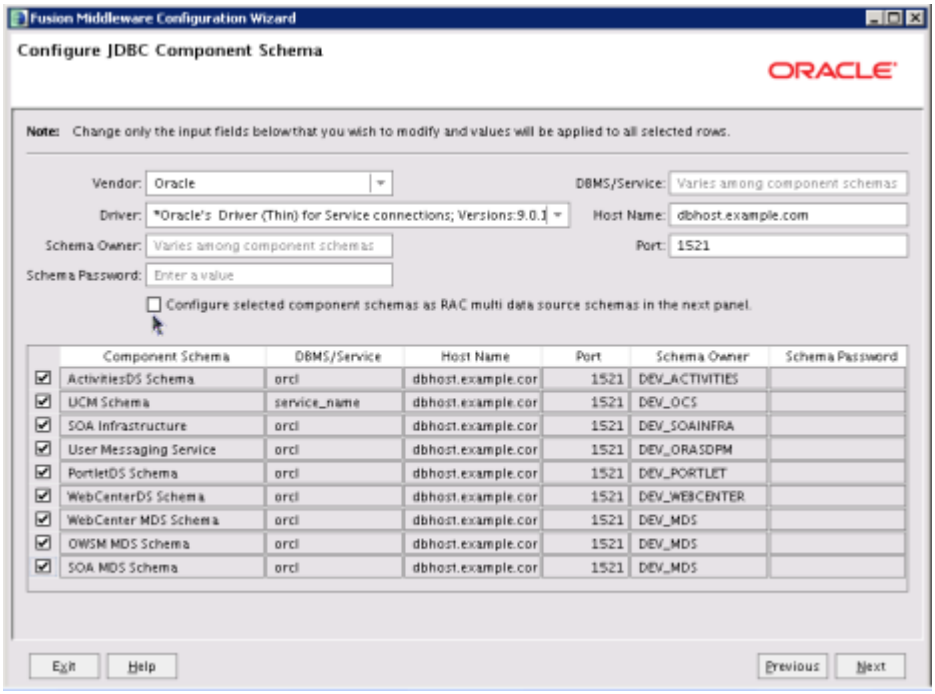




The following components need to be selected for the domain:

- Basic WebLogic Server Domain
- Oracle WebCenter Spaces
- Oracle Portlet Producers
- Oracle Enterprise Manager
- Oracle SOA Suite (when installing into same domain)
- Oracle WebCenter Activities Graph Engine
- Oracle WebCenter Spaces
- Oracle Universal Content Management
- Oracle WebCenter Analytics Collector
- Oracle WSM Policy Manager
- Oracle JRF

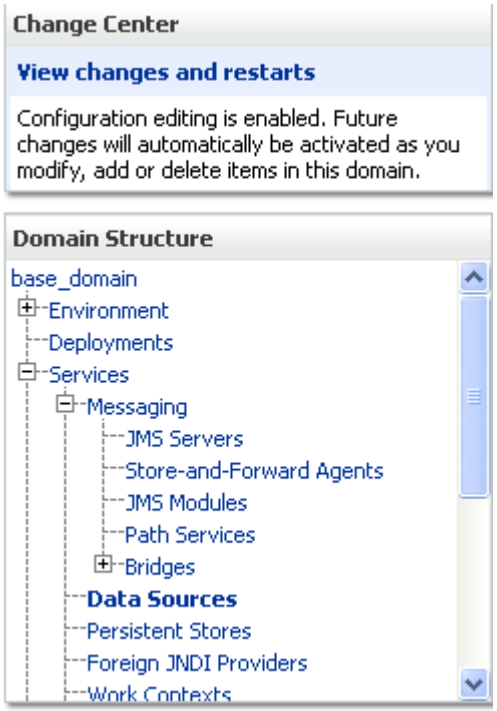
In the configure JDBC Component Schema screen, you should see following Components if the correct extensions are selected in the previous steps of the domain creation.


Fusion Middleware Configuration Wizard
Configure JDBC Component Schema
ORACLE
Note: Change only the input fields belowthat you wish to modify and values will be applied to all selected rows.
Vendor: Oracle
DBMS/Service: Varies among component schemas
Driver: *Oracle's Driver (Thin) for Service connections; Versions:9.0.1
Host Name: dbhost.example.com
Schema Owner: Varies among component schemas
Port: 1521
Schema Password: Enter a value
Configure selected component schemas as RAC multi data source schemas in the next panel.
Component Schema | DBMS/Service | Host Name | Port | Schema Owner | Schema Password
ActivitiesDS Schema | orcl | dbhost.example.cor | 1521 | DEV_ACTIVITIES
UCM Schema | service_name | dbhost.example.cor | 1521 | DEV_OCS
SOA Infrastructure | orcl | dbhost.example.cor | 1521 | DEV_SOAINFRA
User Messaging Service | orcl | dbhost.example.cor | 1521 | DEV_ORASDPM
PortletDS Schema | orcl | dbhost.example.cor | 1521 | DEV_PORTLET
WebCenterDS Schema | orcl | dbhost.example.cor | 1521 | DEV_WEBCENTER
WebCenter MDS Schema | orcl | dbhost.example.cor | 1521 | DEV_MDS
OWSM MDS Schema | orcl | dbhost.example.cor | 1521 | DEV_MDS
SOA MDS Schema | orcl | dbhost.example.cor | 1521 | DEV_MDS
Exit
Help
Previous
Next

Appendix D

Sample Oracle WebLogic Data Sources

The following are the sample layout of the data sources that should be present in your domain when working with ETPM-SS:



Data Sources (Filtered - More Columns Exist)

New | Delete — Showing 1 to 12 of 12 Previous | Next

Name	Type	JNDI Name	Targets
ActivitiesDS	Generic	jdbc/ActivitiesDS	WC_Utilities, WC_Spaces
CSDS	Generic	CSDS	UCM_server1
EDNDataSource	Generic	jdbc/EDNDataSource	soa_server1
EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1
mds-owsm	Generic	jdbc/mds/owsm	AdminServer, WC_Portlet, soa_server1, WC_Spaces
mds-soa	Generic	jdbc/mds/MDS_LocalTxDataSource	AdminServer, soa_server1
mds-SpacesDS	Generic	jdbc/mds/SpacesDS	AdminServer, WC_Spaces
OraSDPMDataSource	Generic	jdbc/OraSDPMDataSource	soa_server1
PortletDS	Generic	jdbc/portletPrefs	WC_Portlet
SOADataSource	Generic	jdbc/SOADataSource	soa_server1
SOALocalTxDataSource	Generic	jdbc/SOALocalTxDataSource	soa_server1
WebCenterDS	Generic	jdbc/WebCenterDS	WC_Spaces

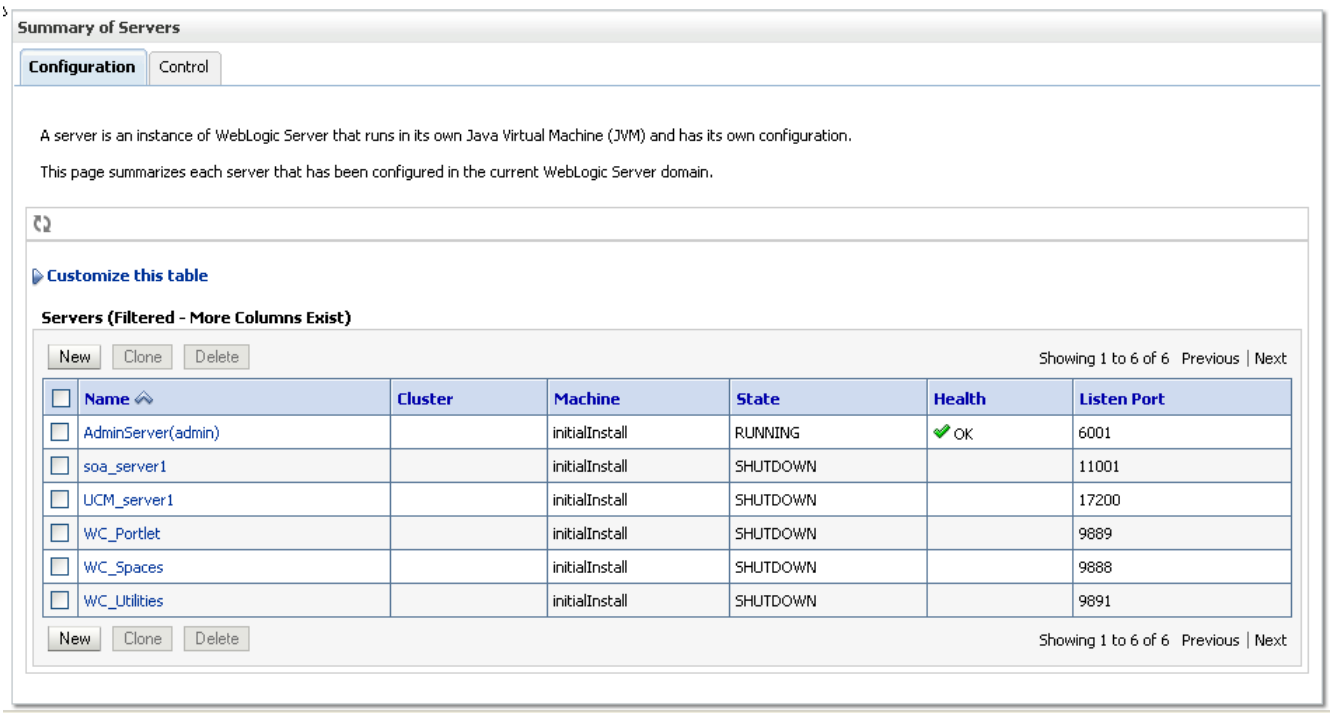
New | Delete — Showing 1 to 12 of 12 Previous | Next

Appendix E

Sample Summary of Servers

The following are the servers that need to be installed into the domain prior to installing ETPM-SS.

Note: The **soa_server1** can be installed into a separate domain.



Appendix F

Installation Properties

The following listing shows the structure and sample data contained in ETPM-SS-InstallProperties.xml.

```
<?xmlversion="1.0"standalone="yes"?>
<config>
    <WSS>
        <modulename>ETPM-SS-APPLICATION</modulename>
            <otss>
                <username> </username>
                <password> </password>
                <AdminServer>
                    <protocol>t3</protocol>
                    <hostname> </hostname>
                    <portnumber> </portnumber>
                    <servername> </servername>
                    <username> </username>
                    <password> </password>
                    <domainname> </domainname>
                    <realmName> </realmName>
                </AdminServer>
                <ManagedServer>
                    <hostname>  </hostname>
                    <portnumber> </portnumber>
                    <servername> </servername>
                    <machine> </machine>
                </ManagedServer>
                <DB>
                    <dba.dbusername> </dba.dbusername>
                    <dba.dbuserpassword> </dba.dbuserpassword>
                    <dbusername> </dbusername>
                    <dbuserpassword> </dbuserpassword>
                    <dbuser.createflag>true</dbuser.createflag>
                    <dbhostname> </dbhostname>
                    <dbportnumber> </dbportnumber>
```

```
                    <dbsid> </dbsid>
                    <script>select 1 from dual</script>
                </DB>
                <mdsconfig>
                    <mdsdbusername> </mdsdbusername>
                    <mdsdbuserpassword> </mdsdbuserpassword>
                    <mdsdbhostname> </mdsdbhostname>
                    <mdsdbportnumber> </mdsdbportnumber>
                    <mdsdbsid> </mdsdbsid>
                </mdsconfig>
        </otss>
        <UCM>
                <hostnamejcr> </hostnamejcr>
                <portnumberjcr> </portnumberjcr>
        </UCM>
        <SOA>
            <ManagedServer>
                    <hostname> </hostname>
                    <portnumber> </portnumber>
                    <servername> </servername>
                    <protocol> </protocol>
                </ManagedServer>
            </SOA>
    </WSS>
</config>
```

InstallProperties XPath Descriptions and Examples

XPath information contained in ETPM-SS-InstallProperties.xml is as follows:

- /config/WSS/otss

  All subelements of this node contain information specific to ETPM-SS.

- /config/WSS/UCM

  All subelements of this node contain information specific to UCM Connection Points.

- /config/WSS/SOA

  All sub-elements of this node contain information specific to WSS (SOA).

XPath	Description	Example
Modulename	ModuleName for which this installation property is used. Not used by installation framework. Hardcoded to "ETPM-SS-APPLICATION"".	
/config/otss/username	The user will be used to access the ETPM-SS Application. This will be created during the installation.	
/config/otss/password	The password that will be used to access the ETPM-SS Application. This will be the password of the user that will create during the application. The password needs to be at least eight characters long.	
/config/otss/AdminServer/protocol	The protocol to access the admin console	t3
/config/otss//AdminServer/ hostname	Hostname of Admin Server of WebLogic domain hosting ETPM-SS application	ETPM-SS-hostname.oracle.com

XPath	Description	Example
/config/otss//AdminServer/portnumber	Port Number of Admin Server of WebLogic domain hosting ETPM-SS application	7001
/config/otss//AdminServer/servername	Managed server name for the Admin Server hosting server.	AdminServer
/config/otss//AdminServer/username	Admin Username which should be used to access the Admin Server	weblogic
/config/otss//AdminServer/password	Admin Password which should be used to access the Admin Server	WLSAdminPasswd
/config/otss//AdminServer/domainname	WebLogic domain name hosting ETPM-SS managed server	base_domain
/config/otss//AdminServer/realmname	Realm name of the embedded WebLogic LDAP configured for WebLogic domain hosting ETPM-SS	myrealm
/config/otss//ManagedServer/hostname	Hostname of Managed server hosting ETPM-SS Note: Will be utilized during installation process.	ETPM-SS-hostname.oracle.com
/config/otss//ManagedServer/portnumber	Managed server port number. Note: Will be utilized during installation process. This port number should not be already used by a different process on the server.	
/config/otss//ManagedServer/servername	Managed server name hosting ETPM-SS Note: Will be created during installation process.	etpm-ss
/config/otss//ManagedServer/machinename	Machine name to associate with the managed server name hosting ETPM-SS Note: The Administration Server uses the machine definition in conjunction with Node Manager to start remote servers, during the installation process.	
/config/otss//DB/dba.dbusername	Sys user to connect to DB which will host WSS specific DB objects	system Note: If using sys user then use "sys as sysdba".
/config/otss//DB/dba.dbuserpassword	Sys user password	
/config/otss//DB//dbusername	Database username which will host ETPM-SS specific DB objects	WSSADM
/config/otss//DB/dbuserpassword	Password of DB username which will host ETPM-SS specific DB objects	
/config/otss///DB/dbuser.createflag	Flag to state whether to create database user or user already exist. Valid values: **true** – Create user during installation and drop during uninstallation of ETPM-SS	true
/config/otss///DB/dbhostname	Hostname to connect to Databases	databaseserver.oracle.com
/config/otss///DB/dbportnumber	Port Number to connect to Database	1521
/config/otss///DB/dbsid	SID/service name to connect to database	DBSID
/config/otss/mdsconfig/mdsdbusername	Username of schema hosting MDS for WSS application.	DEV_MDS

XPath	Description	Example
	Note: This should be the user that was created for the for the empty MDS Schema.	
/config/otss/mdsconfig/mdsdbuserpassword	Password to connect to schema	
/config/otss/mdsconfig/mdsdbhostname	Hostname to connect to Database	databaseserver.oracle.com
/config/otss/mdsconfig/mdsdbportnumber	Port Number to connect to DB	1521
/config/otss/mdsconfig/mdsdbsid	SID/service name to connect to schema	DBSID
/config/otss/UCM/hostnamejcr	Hostname of the UCM Server	UCM-HostName.oracle.com
/config/otss/UCM/portnumberjcr	JCR Port Number of the UCM Server. The value should be 4444.	4444
/config/otss/SOA/hostname	Hostname of the SOA Server	SOA-HostName.oracle.com
/config/otss/SOA/portnumber	SOA Port Number of the SOA Server	8001
/config/otss/SOA/servername	SOA Server Name	soa_server1
/config/otss/SOA/protocol	The protocol to access the SOA Server (https or http)	http

Appendix G

Installation Utility Overview

```
#>  ./install.sh h
ETPM-SS V1.0.0
$Revision: #2 $
```

Table 3: Installation Options

Option	Description	Tasks Performed
i	Full installation of ETPMSS	• Validates Installation Properties • Creates a WebLogic managed server • Links needed Libraries and applications to the WebLogic managed server • Creates a MetaData Repository mds-OTSS_MDS • Creates a Database Source WSSDS • Deploys ETPM-SS shared library • Configures and Deploys ETPM-SS ear File • Creates and Installs a Database Schema for ETPM-SS
d	Full uninstallation of ETPM-SS	• Validates Installation Properties • Removes a WebLogic managed server • Removes a MetaData Repository mds-OTSS_MDS • Removes a Database Source WSSDS • Undeploys ETPM-SS ear File • Undeploys ETPM-SS shared library • Drops a Database Schema for ETPM-SS
r		• Validates Installation Properties

Option	Description	Tasks Performed
		• Undeploys ETPM-SS Application ear • Deploys ETPM-SS Application ear • Undeploys ETPM-SS shared library • Deploys ETPM-SS shared library

Appendix H

URL Examples

Component	URL Syntax
WebLogic EM Console	http://<weblogicHost>:<webLogicPortNumber>/em
WebLogic Console	http://<weblogicHost>:<webLogicPortNumber>/console
SOA Composer	http://<SOAHost>:<SOAPortNumber>//soa/composer
UCM Console	http://<UCMHost>:<UCMPortNumber>/cs
ETPM-SS (Public)	http://<ETPM-SS-HostName: < ETPM-SS-Port Number>/etpmss/faces/pages_home
ETPM-SS (Admin)	http://<ETPM-SS-HostName: < ETPM-SS-Port Number>/etpmss/faces/oracle/webcenter/portalapp/pages/login.jspx

Appendix I

Integration Environment Settings Example

The following is an example of setting the needed environment variables for the ETPMSS-ETPM Integration.

On Linux:

```
PRODUCT_HOME=/ouaf/versions/Releases/OTSS/BPEL-Release-V1.0.0-InitialInstall/OTSS-
ETPM/;
   export PRODUCT_HOME
WL_HOME=/etpm-ss/qa2_middleware1035/; export WL_HOME
SOA_HOME=etpm-ss/qa2_middleware1035/Oracle_SOA1; export SOA_HOME
ORACLE_HOME=/etpm-ss/qa2_middleware1035/Oracle_SOA1; export ORACLE_HOME
source "${WL_HOME}/wlserver_10.3/server/bin/setWLSEnv.sh"

cd $PRODUCT_HOME/bin
```

On Windows:

```
SET PRODUCT_HOME=C:\download\Release\etpm-ss\OTSS-Release-V1.0.0-Initialinstall
\OTSS-ETPM
SET WL_HOME=C:\etpm-ss\middleware10.3.5;
SET SOA_HOME=C:\etpm-ss\middleware10.3.5\Oracle_SOA1
SET ORACLE_HOME=C:\etpm-ss\middleware10.3.5\Oracle_SOA1;
run C:\etpm-ss\middleware10.3.5\wlserver_10.3\server\bin\setWLSEnv.cmd

cd %PRODUCT_HOME%\bin
```

For additional details, see Appendix A.

Appendix J

ETPM-SS Environment Settings Example

The following is an example of setting the needed environment variables for the installation of ETPM-SS.

On Linux:

```
PRODUCT_HOME=/etpm-ss/version/OTSS-Release-V1.0.0-Initialinstall/; export
 PRODUCT_HOME
WL_HOME=/ etpm-ss /middleware10.3.5; export WL_HOME
SOA_HOME=/ etpm-ss /middleware10.3.5/Oracle_SOA1; export SOA_HOME
ORACLE_HOME=/ etpm-ss /middleware10.3.5/Oracle_SOA1; export ORACLE_HOME
source "${WL_HOME}/wlserver_10.3/server/bin/setWLSEnv.sh"
cd $PRODUCT_HOME/bin
```

On Windows:

```
SET PRODUCT_HOME=C:\download\Release\etpm-ss\OTSS-Release-V1.0.0-Initialinstall\
SET WL_HOME=C:\etpm-ss\middleware10.3.5;
SET SOA_HOME=C:\etpm-ss\middleware10.3.5\Oracle_SOA1
SET ORACLE_HOME=C:\etpm-ss\middleware10.3.5\Oracle_SOA1;
run C:\etpm-ss\middleware10.3.5\wlserver_10.3\server\bin\setWLSEnv.cmd

cd %PRODUCT_HOME%\bin
```