Oracle® Value Chain Planning

Installation Guide

Release 12.2

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ORACLE

Oracle Value Chain Planning Installation Guide, Release 12.2

Part No. E48790-07

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Send Us Your Comments

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Oracle welcomes customers' comments and suggestions on the quality and usefulness of this document. Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
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Preface

Intended Audience

Welcome to Release 12.2 of the *Oracle Value Chain Planning Installation Guide.*

See Related Information Sources on page x for more Oracle E-Business Suite product information.

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Structure

Related Information Sources

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The Oracle Integration Repository is a compilation of information about the service endpoints exposed by the Oracle E-Business Suite of applications. It provides a complete catalog of Oracle E-Business Suite's business service interfaces. The tool lets users easily discover and deploy the appropriate business service interface for integration with any system, application, or business partner.

The Oracle Integration Repository is shipped as part of the Oracle E-Business Suite. As your instance is patched, the repository is automatically updated with content appropriate for the precise revisions of interfaces in your environment.

Do Not Use Database Tools to Modify Oracle E-Business Suite Data

Oracle STRONGLY RECOMMENDS that you never use SQL*Plus, Oracle Data Browser, database triggers, or any other tool to modify Oracle E-Business Suite data unless otherwise instructed.

Oracle provides powerful tools you can use to create, store, change, retrieve, and maintain information in an Oracle database. But if you use Oracle tools such as SQL*Plus to modify Oracle E-Business Suite data, you risk destroying the integrity of your data and you lose the ability to audit changes to your data.

Because Oracle E-Business Suite tables are interrelated, any change you make using an Oracle E-Business Suite form can update many tables at once. But when you modify Oracle E-Business Suite data using anything other than Oracle E-Business Suite, you may change a row in one table without making corresponding changes in related tables. If your tables get out of synchronization with each other, you risk retrieving erroneous information and you risk unpredictable results throughout Oracle E-Business Suite.

When you use Oracle E-Business Suite to modify your data, Oracle E-Business Suite automatically checks that your changes are valid. Oracle E-Business Suite also keeps track of who changes information. If you enter information into database tables using database tools, you may store invalid information. You also lose the ability to track who has changed your information because SQL*Plus and other database tools do not keep a record of changes.

1

Oracle Value Chain Planning Installation

This chapter covers the following topics:

- About this Document
- Before Applying the Feature Pack
- Product-Specific Installation Tasks
- Post Installation Tasks
- Oracle Value Chain Planning - Oracle Transportation Management (OTM) Integration

About this Document

Note: Application Install - Oracle Value Chain Planning 12.2. Information in this document applies to any platform.

This document contains instructions for customers who plan to upgrade an existing Oracle Value Chain Planning system to 12.2.

You should read and understand all the tasks described in these installation instructions before you begin the installation.

Complete the tasks in the following sections in the order listed. Updated versions of the patches and documents listed in this section may be available. Check My Oracle Support or contact Oracle Support Services for the latest versions.

Tasks included in these instructions require use of the AutoPatch, AD Administration, and other AD utilities. Tasks included in these instructions upgrade the following Oracle Value Chain Planning products to Release 12.2 level:

- Advanced Planning Command Center (APCC)
- Advanced Supply Chain Planning (ASCP)

- Demand Planning (DP)
- Demantra Demand Management
- Inventory Optimization (IO)
- Global Order Promising (GOP)
- Collaborative Planning (CP)
- Production Scheduling (PS)
- Strategic Network Optimization (SNO)
- Service Parts Planning (SPP)
- Demand Signal Repository (DSR)
- Rapid Planning (RP)

Before Applying the Feature Pack

To purchase this feature pack, contact an Oracle Sales Representative, by calling 1-888-ORACLEi (1-888-672-2534).

You must have already applied the 12.2 EBS upgrade OR performed a fresh install of 12.2 EBS applications.

VCP 12.2.3 is only supported with the following ERP versions: EBS 12.2.3, EBS 12.1.3, and E1 9.1. In the event that the EBS source instance is on 12.2.x, then both the EBS source instance and VCP destination instance must be on matching release version (for example, 12.2.3).

Refer to My Oracle Support Document 1361221.1, Oracle Value Chain Planning Installation Notes, Release 12.2 - FAQ And Latest Patch Information, for information on installation / upgrading to VCP 12.2.

If the source (ERP) system version from which data would be collected is lower than the VCP version being installed, then refer to My Oracle Support Document 1361221.1 for the supported integrations and patches required.

Demantra

Before performing the upgrade, create backups of the following tables if you are running Demantra, upgrading to VCP 12.2, and have changed the content of any of the following tables:

- MSD_DEM_QUERIES
- MSD_DEM_SERIES

- MSD_DEM_ENTITY_QUERIES

After the upgrade is complete, check the tables above and reapply any customizations.

Product-Specific Installation Tasks

After you apply E-Business Suite Application Release 12.2 Media Pack, for each product that you intend to use, follow the product-specific installation steps in this document.

Post Installation Tasks

Profile Updates

Set the following profile option:

- MSC: Share Plan Partitions = No

Demantra

For customers using Demantra with EBS, perform the following:

- After Demantra is installed on the VCP database, run concurrent program 'Update Synonyms'. (Navigation: **Demand Management System Administrator > Other > Requests > Submit a New Request > Single Request**)

  Refer to My Oracle Support, Document 1061331.1, for more details.

Demand Planning

This section is meant for existing Oracle Demand Planning (ODP) customers who are upgrading to 12.2.

The exception granted to Oracle Demand Planning URLs has been removed. This results in an HTTP 400 error while trying to access ODP Plan UI. To correct this issue, manually modify the file security2_conf_FMW.tmp and uncomment the line:

```
#SecRule REQUEST_FILENAME "!^/oa_html/oowa/aw92/" chain
```

To do this, perform the following:

1. Stop all mid-tier services.
2. Back up the file $FND_TOP/admin/template/security2_conf_FMW.tmp.
3. Edit $FND_TOP/admin/template/security2_conf_FMW.tmp and uncomment the line:

   ```
   #SecRule REQUEST_FILENAME "!^/oa_html/oowa/aw92/" chain
   ```

   to

   ```
   SecRule REQUEST_FILENAME "!^/oa_html/oowa/aw92/" chain
   ```
4. Run AutoConfig.

5. Re-start the required mid-tier services.

Refer to My Oracle Support for the latest information.

Oracle Value Chain Planning - Oracle Transportation Management (OTM) Integration

Setting Up Oracle Transportation Management (OTM) v60 to integrate with EBS 12.2

All customers using OTM version 6 in order to integrate with EBS 12.2 need to perform the following on the OTM side:

1. The following steps need to be performed once on the OTM instance to have the XSL file available for use:

   Get a copy of the "GLogXML v60 to v55 DateTime.xsl" and "GLogXML v60 to v55. xsl" files, the files are shipped with OTM in the {otm_install} /utils/integration/transform directory

   Place the xsl files on the OTM server. There are two options:

   - Manually copy the files to the XSL file location {otm_install} /glog/integration/client/xsl. Note that the actual location is indicated by the following OTM property : glog.integration.stylesheetRoot.

   - Upload the XSL files in the Integration Manager.

     - In OTM, log in as DBA.ADMIN (you can only upload the XSL files as DBA. ADMIN).

     - Navigate to **Business Process Automation > Integration >Integration Manager > Upload an XML/CSV Transmission**.

     - Upload each of the XSL files.

2. The following steps need to be performed for the External Systems configured to send to the BPEL flow:

   - In OTM, log in to the domain.

   - Go to the External System you are using to send to BPEL, menu: **Business Process Automation > Communication Management > External Systems**.

   - In the External System Manager, in the External System Translations section, enter the following:

     - Sequence Number:1 (increase for each entry)

- Stylesheet Name : GLogXML v60 to v55 DateTime.xsl
- XML Element ID: Choose the outbound interface or select "*" for all interfaces.
- Leave the other fields in the grid empty and click **Save** to save the translation entry.
- Click **Finished** at the top of the page to save the External System.

2

Advanced Planning Command Center

This chapter covers the following topics:

- Setting Up Advanced Planning Command Center Reports and Dashboards
- Configuring Single Sign-on
- Troubleshooting
- Using WebCenter for APCC

Setting Up Advanced Planning Command Center Reports and Dashboards

This section is about setting up Advanced Planning Command Center (APCC) reports and dashboards.

Installation Prerequisites

Before performing Advanced Planning Command Center Planning (APCC) installation and setup procedures, verify these application prerequisites:

- If you plan to integrate Oracle Business Intelligence Enterprise Edition (OBIEE) and Oracle E-Business Suite (EBS) using single sign-on (SSO), your EBS and OBIEE servers must be in the same domain and use the same security protocol.

For Release ...	Install ...
EBS 12.2.2	Oracle Business Intelligence Enterprise Edition 11 (OBIEE 11.1.1.6.0)
EBS 12.2.3	Oracle Business Intelligence Enterprise Edition 11 (OBIEE 11.1.1.6.0)

For Release ...	Install ...
EBS 12.2.4	Oracle Business Intelligence Enterprise Edition 11 (OBIEE 11.1.1.7.0)
VCP 12.2.4.1	Oracle Business Intelligence Enterprise Edition 11 (OBIEE 11.1.1.9.0). APCC is certified with OBIEE 11.1.1.9.0. Refer to My Oracle Support, Document 2010017.1, OBIEE 11g: OBIEE 11.1.1.9.0 is Available for Download, for information on applying patch set updates.
VCP 12.2.5.1	Oracle Business Intelligence Enterprise Edition 11 (OBIEE 11.1.1.9.0). APCC is certified with OBIEE 11.1.1.9.0. Refer to My Oracle Support, Document 2010017.1, OBIEE 11g: OBIEE 11.1.1.9.0 is Available for Download, for information on applying patch set updates.
EBS 12.2.6	Oracle Business Intelligence Enterprise Edition 12c (OBIEE 12.2.1.1)

- Copy files `mscrpd.zip` and `mscwebcat.zip` to a temporary directory. You will place them in directory `$MSC_TOP/patch/115/obiee` , .
- For WebCenter and SOA BPEL flows, see Using WebCenter for APCC, page 2-13 .

Set ORACLE_HOME

Set the ORACLE_HOME environment variable to the directory where you have installed either

- OBIEE 11g, for example, `export ORACLE_HOME=/u01/oracle/OBIEE11g`
- OBIEE 12c, for example, `export ORACLE_HOME=/u01/oracle/OBIEE12c`

Configuring the tnsnames.ora File

Configure file `tnsnames.ora` so the BI Server can connect to the database.

In OBIEE 11g, the software itself contains database client. When you connect to the database through the Repository or BI Server, it locates the `tnsnames.ora` entry in the Oracle Client of OBIEE 11g instead of your database.

The tnsname.ora file is in location `MW_HOME/Oracle_BI1/network/admin/tnsnames.ora`.

> **Note:** If file does not exist, create a new one. The file entry format is not fixed, but follows standard Oracle tnsnames.ora format.

The file format is `<addressname>=(DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)HOST=<hostname>)(PORT=<port>))(CONNECT_DATA=(SID=<sid>)))`.

For example, `mz1dv220=(DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=rws60147rems.us.oracle.com)(PORT=1524))(CONNECT_DATA=(SID=mz1dv220)))`.

Configuring and Deploying RPD and Webcat Files

Download file `mscrpd.zip`, file `mscwebcat.zip`, and the language file that you need to set up from `$APPL_TOP` to a temporary directory. For example, `apcc-obiee-ja.zip` for Japanese.

This table associates the language files and their languages.

File Name	Language
apcc-obiee-ar.zip	Arabic
apcc-obiee-cs.zip	Czech
apcc-obiee-da.zip	Danish
apcc-obiee-de.zip	German
apcc-obiee-el.zip	Greek
apcc-obiee-en.zip	English
apcc-obiee-es_ES.zip	Spanish
apcc-obiee-fi.zip	Finnish
apcc-obiee-fr.zip	French
apcc-obiee-he.zip	Hebrew
apcc-obiee-hr.zip	Croatian

File Name	Language
apcc-obiee-hu.zip	Hungarian
apcc-obiee-it.zip	Italian
apcc-obiee-ja.zip	Japanese
apcc-obiee-ko.zip	Korean
apcc-obiee-nl.zip	Dutch
apcc-obiee-no.zip	Norwegian
apcc-obiee-pl.zip	Polish
apcc-obiee-pt.zip	Portuguese
apcc-obiee-pt_BR.zip	Brazilian Portuguese
apcc-obiee-ro.zip	Romanian
apcc-obiee-ru.zip	Russian
apcc-obiee-sk.zip	Slovak
apcc-obiee-sv.zip	Swedish
apcc-obiee-th.zip	Thai
apcc-obiee-tr.zip	Turkish
apcc-obiee-zh_CN.zip	Simplified Chinese
apcc-obiee-zh_TW.zip	Traditional Chinese

If you are using OBIEE 11g:

1. Unzip `mscwebcat.zip` to the OBIEE server `ORACLE_INSTANCE/bifoundation/OracleBIPresentationServicesComponent/coreapplication_obips1/`.

2. Unzip `mscrpd.zip` and place file `AdvancedPlanning.rpd` in a temporary

location.

3. Open Fusion Middleware control using URL http://hostname.domain:port/em.and:
    1. Log in with the WebLogic user and password.
    2. In left tree structure, select Business Intelligence > coreapplication > tab Overview.
    3. Click Stop. All services stop.
4. Remain in the Fusion Middleware control and:
    1. In left tree structure, select Business Intelligence > coreapplication > tab Deployment > tab Repository.
    2. In Presentation Service Repository, verify the absolute path for the PlanningAnalytics directory. For example, `<CatalogPath>/slot/ems1395/fmw/instances/instance1/bifoundation/OracleBIPresentationServicesComponent/coreapplication_obips1/catalog/PlanningAnalytics`.
    3. If you need to change the path, navigate to the top of the page and click Lock & Edit Configuration. Remain at the top of the page, change the catalog path, click Apply, and click Activate Changes.
5. From the Windows client, Oracle Business Administration Tool, open `AdvancedPlanning.rpd`. In Physical, Planning Analytics, change the database connection information in `MSC_Conn` and `MSC_INIT_Conn`.

    If you are setting up a single sign-on environment--the most common setup:
    1. Enable Connection Scripts for `MSC_Conn` and `MSC_INIT_Conn`.
    2. Set the translations initialization variables:
        - Navigate to Manage > Variables > Session > Initialization Blocks.
        - Enable Manage Translation and Set Translation.
        - Disable Set Translations without SSO.
    3. Save your changes.

    If you are not setting up a single sign-on environment:
    1. Disable Connection Scripts for `MSC_Conn` and `MSC_INIT_Conn`.
    2. Set the translations initialization variables:

- Navigate to Manage > Variables > Session > Initialization Blocks.
- Disable Manage Translation and Set Translation.
- Enable Set Translations without SSO.

3. Save your changes.

6. Return to the Fusion Middleware control using URL http://hostname.domain: port/em.and:
   1. Log in with the WebLogic user and password.
   2. In left tree structure, select Business Intelligence > coreapplication > tab Deployment > tab Repository.
   3. Navigate to section upload BI Server Repository.
   4. Browse to its temporary location and select `AdvancedPlanning.rpd`.
   5. Enter the password.
   6. Click Apply.
   7. Click Activate Changes at top of page.

7. Refresh GUIDs using the procedure in Oracle Fusion Middleware Security Guide for Oracle Business Intelligence Enterprise Edition 11g Release 1 (11.1.1.3.0) > Refresh the User GUIDs [http://docs.oracle.com/cd/E14571_01/bi.1111/e10543/privileges.htm#BIESC721].

If you are using OBIEE 12c:

1. Unzip `mscwebcat.zip` to the OBIEE server `ORACLE_HOME/user_projects/domains/bi/bidata/service_instances/ssi/metadata/content`.
2. Unzip `mscrpd.zip` and place file `AdvancedPlanning.rpd` in a temporary location.
3. Stop services.
   1. `cd ORACLE_HOME /user_projects/domains/bi/bitools/bin`
   2. `./stop.sh`
4. Copy `AdvancedPlanning.rpd` to a Windows machine. From the Windows client, Oracle Business Administration Tool 12c, open it. In Physical, Planning Analytics,

change the database connection information in `MSC_Conn` and `MSC_INIT_Conn`.

If you are setting up a single sign-on environment--the most common setup:

1. Enable Connection Scripts for `MSC_Conn` and `MSC_INIT_Conn`.
2. Set the translations initialization variables:
   - Navigate to Manage > Variables > Session > Initialization Blocks.
   - Enable Manage Translation and Set Translation.
   - Disable Set Translations without SSO.
3. Save your changes.

If you are not setting up a single sign-on environment:

1. Disable Connection Scripts for `MSC_Conn` and `MSC_INIT_Conn`.
2. Set the translations initialization variables:
   - Navigate to Manage > Variables > Session > Initialization Blocks.
   - Disable Manage Translation and Set Translation.
   - Enable Set Translations without SSO.
3. Save your changes.

5. Perform file upload
   1. Copy the modified rpd to a temporary location on the linux server where you installed OBIEE 12c.

      ```
      ORACLE_HOME/user_projects/domains/bi/bitools/bin
      ```

   2. Upload rpd.

      ```
      ./data-model-cmd.sh uploadrpd -I AdvancedPlanning.rpd -W
      {rpd password} -U {OBIEE user} -P {OBIEE password} -SI ssi
      -N 9502
      ```

      For example, `./data-model-cmd.sh uploadrpd -I AdvancedPlanning_ma1yd226_SSO.rpd -W welcome1 -U weblogic -P weblogic1 -SI ssi -N 9502`

6. Do not refresh GUIDs.

   User names replace GUIDs. Users authenticate by user ID and have the access permissions associated with their user ID. When a user leaves the system, your administrator must completely remove their user ID from Oracle Business

Intelligence.

See Fusion Middleware Security Guide for Oracle Business Intelligence Enterprise Edition 12.2.1.1.0 >User GUIDs Removed [http://docs.oracle.com/middleware/12211/biee/BIESC/GUID-BE8640E9-8D45-4EED-8FE6-D76D56219158.htm#GUID-D5BBD321-C01E-4833-9837-149C074D6FDD__CJAJCEAJ].

Loading Foreign Language Files

1. Unzip the language file, for example, `apcc-obiee-ja.zip`, to a temp directory. This generates the directory `apcc`.

2. Confirm that your environment setting is correct to use the TransX utility.

   See XML Developer's Kit Programmer's Guide, Using the TransX Utility [https://docs.oracle.com/cd/B19306_01/appdev.102/b14252/adx_j_transx.htm],.

   For more information about Java technologies, tips for developing in the Java programming language, and various ways you can leverage the Java platform, see the New to Java Programming Center, Get Started [http://www.oracle.com/technetwork/topics/newtojava/documentation/index.html].

   Perform either Option #1 from your database machine with XDK installed or Option #2 from your Windows client.

   Option #1 (from your database machine with XDK installed):

   1. Set `ORACLE_HOME` to the database `ORACLE_HOME`.

   2. Set `CLASSPATH` and export.

      ```
      CLASSPATH=$ORACLE_HOME/lib/xmlparserv2.jar:
      $ORACLE_HOME/lib/xschema.jar:
      $ORACLE_HOME/lib/xsu12.jar:
      $ORACLE_HOME/lib/oraclexsql.jar:
      $ORACLE_HOME/lib/classgen.jar:
      $ORACLE_HOME/lib/transx.zip:
      $ORACLE_HOME/jdbc/lib/ojdbc6dms.jar:
      $ORACLE_HOME/jdbc/lib/ojdbc6.jar:
      $ORACLE_HOME/rdbms/jlib/servlet.jar:
      $ORACLE_HOME/rdbms/jlib/xdb.jar:
      $ORACLE_HOME/oc4j/lib/dms.jar
      export CLASSPATH
      ```

   3. Set `CLASSPATHJ` and export.

      ```
      CLASSPATHJ=$ORACLE_HOME/jdbc/lib/ojdbc6_g.jar
      export CLASSPATHJ
      ```

   4. Set `JAVA_HOME` and export.

      ```
      JAVA_HOME=$ORACLE_HOME/jdk
      export JAVA_HOME
      ```

   Option #2 (from uour Windows client):

1. On Windows and Windows XP clients, right-click My Computer and select Properties. On Windows 7 clients, right-click Computer and select Properties.

2. On Windows and Windows XP clients, navigate to System Properties and select tab Advanced.. On Windows 7 clients, select Advanced System Settings.

3. Click Environment Variables to set CLASSPATH, CLASSPATHJ, JAVA_HOME, ORACLE_HOME, and other variables.

4. Set ORACLE_HOME.

```
set ORACLE_HOME=D:\Oracle\Database\Client\product\11.2.0
\client_2
```

5. Set CLASSPATH.

```
set CLASSPATH=%ORACLE_HOME%\LIB\xmlparserv2.jar;
%ORACLE_HOME%\LIB\xsu12.jar;
%ORACLE_HOME%\LIB\oraclexsql.jar;
%ORACLE_HOME%\LIB\transx.zip;
%ORACLE_HOME%\jdbc\lib\classes12dms.jar;
%ORACLE_HOME%\jdbc\lib\ojdbc5.jar;
%ORACLE_HOME%\LIB\servlet.jar;
%ORACLE_HOME%\RDBMS\jlib\xdb.jar;
%CLASSPATH%
```

6. Set CLASSPATHJ.

```
set
CLASSPATHJ=C:\Apps\db\oracle102\jdbc\lib\classes12.zip;C:
\Apps\db\oracle102\jdbc\lib\nls_charset12.jar
```

7. Set JAVA_HOME.

```
set JAVA_HOME=D:\jdk1.5.0_09
```

Note: The path value setting is different due to different installation paths. Confirm that all .jar files are located in appropriate directories, or you receive errors while running the TransX utility. Confirm that the path values are on one line so that all the referenced directories add to the environment variables properly.

3. Use TransX to upload the dlf file, for example, apcc_ja.dlf, to directory apcc\OracleBI\repository. Provide username, password, and database connection SID.

   ```
   transx "hostname:port:sid" username password filename
   ```

   For example, \transx "rws60147rems:1524:mz1dv220" apps apps d:\apcc\OracleBI\repository\apcc_ja.dlf.

4. Verify the seeding data is correctly uploaded in MSC_TRANSLATED_MESSAGE.

```
select  lang_id, count(*)
from msc_translated_message
group by lang_id;
```

5. SKIP THIS STEP FOR ENGLISH.

    1. Confirm directories on your OBIEE manchine `coreapplication_obips1\msgdb\l_ja\captions`.

        Note: Confirm that the captions folder uses a lower case c.

    2. Copy files `sopcaptions.xml`, `sppcaptions.xml`, `scacaptions.xml`, and `scrmcaptions.xml` from your `temp` directory to either:.

        - If you are using OBIEE 11g: `ORACLE_HOME\instances\instance1\bifoundation\OracleBIPresentationServicesComponent\coreapplication_obips1\msgdb\l_ja\cations`
        - If you are using OBIEE 12c: `ORACLE_HOME/user_projects/domains/bi/bidata/service_instances/ssi/metadata/content/msgdb`

            Note: Inside the XML files, confirm that the text tag is all upper case, for example, <TEXT>.

6. Restart OBIEE services.

    If you are using OBIEE 11g:

    1. Open Fusion Middleware control using URL `http://hostname.domain:port/em`.
    2. Log in with the WebLogic user and password.
    3. In the left tree structure, select Business Intelligence > coreapplication > Overview tab.
    4. Click Restart to restart all services.
    5. Verify that all services are running.

    If you are using OBIEE 12c:

    1. `cd ORACLE_HOME /user_projects/domains/bi/bitools/bin`
    2. `./stop.sh`
    3. `./start.sh`

4. `./status.sh`

5. Verify that all services are running.

Configuring Single Sign-on

Perform the subsequent procedures to configure Single Sign-On (SSO) for your APCC installation.

> **Note:** Make sure your EBS and OBIEE servers are in the same domain and use the same security protocol.

Setting Up the OBIEE Profile

Set the URL for profikle option FND: Oracle Business Intelligence Suite EE base URL. The URL uses the following format:

`http://machine:port`

Add Session Cookie for Single Sign-On

Perform the following procedure to add a session cookie for Single Sign-On deployments.

1. Stop all OBIEE services.
    1. `cd ORACLE_HOME /user_projects/domains/bi/bitools/bin`
    2. `./stop.sh`

2. Run the SQL statement below to get cookie_name. This will be the cookie_name for nameInSource param.

    ```
    select app_session.GET_ICX_COOKIE_NAME from dual
    ```

3. Add the following to the file authenticationschemas.xml in the ORACLE_INSTANCE/bifoundation/web/display directory:

    For more information, refer to Integrating with Oracle E-Business Suite Security from the *Oracle Fusion Middleware Integrator's Guide for Oracle Business Intelligence Enterprise Edition, 12c (12.2.1)* in the link below:

    http://docs.oracle.com/middleware/1221/biee/BIEIT/ebs_actions.htm#BIEIT1321

    Example 1:

    1. Find the following element:

        ```
        <AuthenticationSchema name="EBS-ICX"
        ```

2. Locate the subelement `RequestVariable source="cookie"` and change the value of the `nameInSource` attribute from ICX_SESSION to the name of the EBS ICX authentication cookie prefix.

   Example 2:

   ```
   <RequestVariable source="cookie" type="auth" nameInSource="VIS"
   biVariableName="NQ_SESSION.ICX_SESSION_COOKIE" />
   ```

3. Do not update the `RequestVariable source="url"` sub-element.

4. In the same entry (`RequestVariable source="cookie"`), ensure that the value of the `biVariableName` attribute is the same as the value you entered as part of the connection script when you created the connection pool for the Oracle E-Business Suite database.

   See Section 9.1, Creating a Database Object and Connection Pool for the Oracle E-Business Suite Database [http://docs.oracle.com/middleware/1221/biee/BIEIT/ebs_actions.htm#BIEIT1322] for more information.

5. Find the following element:

   ```
   <SchemaKeyVariable source="cookie"
   ```

6. Change the value of the `nameInSource` attribute from ICX_SESSION to the name of the EBS ICX authentication cookie prefix (often VIS).

   Example:

   ```
   <SchemaKeyVariable source="cookie" nameInSource="VIS"
   forceValue="EBS-ICX" />
   ```

7. Save and close the file.

4. Perform the following to instanceconfig.xml file in *`ORACLE_INSTANCE`* /config/OracleBIPresentationServicesComponent/coreapplication_obipsn directory:

   Example:

   1. Locate the `Authentication` element.

   2. Include EBS-ICX in the list of enabled schemas as shown below:

      ```
      <EnabledSchemas>UidPwd,Impersonate,UidPwd-soap,Impersonate-
      soap,EBS-ICX</EnabledSchemas>
      ```

      Note: Ignore the comment in instanceconfig.xml that says this setting is centrally managed. EBS-ICX must be manually added to the EnabledSchemas element.

   3. Save and close the file.

For more information, refer to Section 9.2.2, Updating instanceconfig.xml [http://docs.oracle.com/middleware/1221/biee/BIEIT/ebs_actions.htm#BIEIT1327] from the *Fusion Middleware Integrator's Guide for Oracle Business Intelligence Enterprise Edition, 12c (12.2.1)*.

5. Start all OBIEE services.
    1. `cd ORACLE_HOME /user_projects/domains/bi/bitools/bin`
    2. `./stop.sh`
    3. `./start.sh`
    4. `./status.sh`
    5. Verify that all services are running.

Troubleshooting

If TransX does not run due to missing classes, it is most likely that classpath is not set properly. Following sample shows setting CLASSPATH variable for Windows 11g client with XDK option:

Example

```
set ORACLE_HOME=D:\Oracle\Database\Client\product\11.2.0\client_2

set CLASSPATH=%ORACLE_HOME%\LIB\xmlparserv2.jar;
 %ORACLE_HOME%\LIB\xsu12.jar;
 %ORACLE_HOME%\LIB\oraclexsql.jar;
 %ORACLE_HOME%\LIB\transx.zip;
 %ORACLE_HOME%\jdbc\lib\classes12dms.jar;
 %ORACLE_HOME%\jdbc\lib\ojdbc5.jar;
%ORACLE_HOME%\LIB\servlet.jar;
%ORACLE_HOME%\RDBMS\jlib\xdb.jar;
%CLASSPATH%
```

For more XDK information, refer to Oracle XDK documentation.

Using WebCenter for APCC

This topic provides information about using WebCenter with APCC.

Prerequisites

Verify the information below.

1. Verify that WebLogic/WebCenter/SOA components are installed properly. Refer to My Oracle Support note 1074345.1.
2. Verify UCM is installed and configured properly [optional].

Configuring WebCenter

To configure WebCenter for Oracle Advanced Planning Command Center perform the following:

1. Deploy and configure the spaces servlet, page 2-14.
2. Deploy and configure the BPM Tasklist, page 2-16.
3. Deploy and configure the group space Template, page 2-18.
4. Deploy and configure the application links [Optional], page 2-20.
5. Deploy and configure the SOA BPEL flows, page 2-24.
6. Set up profile options, page 2-25.
7. Compile MscWCRedirect.jsp, page 2-27.
8. Run the Planning Process Activities concurrent process, page 2-28.
9. Change the WebCenter application name, page 2-28.

Deploy and Configure the Spaces Servlet

Perform the procedures below to deploy and configure the spaces servlet.

1. Obtain file mscspacesservlet.ear from $MSC_TOP/patch/115/ear/mscspacesservlet.ear.
2. Copy it to your local directory in Linux Session.
3. Open the WebCenter Console for the WebCenter domain.
4. Log in to the WebCenter Console.
5. Click **Lock & Edit**.
6. From the Domain Structure region, click **Deployments**.
7. Click **Install**.
8. Click link upload your file(s).
9. Search for your EAR file in the deployment archive and select the EAR file to deploy.
10. Click **Next**, select **Managed Server WLS_Spaces**, deploy .ear file, and click **Finish**.

11. When deployment to the managed server is complete, click the **Release Configuration**.

12. If the state of deployment of mscspacesservlet is "Prepared", click **Lock & Edit** > **Deployments**, select deployment **mscspacesservlet**, click **Start**, click **Servicing all requests**, and then click **Release Configuration**. Verify that the deployment status of mscspacesservlet changes to Active.

13. To generate Java keystore in the WebCenter instance, go to JDK_HOME/jdk/bin and open a command prompt.

14. Execute the following `keytool` run commands to generate keystore producer.jks:

    ```
    keytool -genkeypair -keyalg RSA -dname "cn=producer,dc=example,
    dc=com" -alias producer -keypass welcome1 -keystore
    /scratch/dumakant/keystore/samedomain/producer.jks -storepass
    welcome1 -validity 365
     keytool -exportcert -v -alias producer -keystore
    /scratch/dumakant/keystore/samedomain/producer.jks -storepass
    welcome1 -rfc -file producer.cert
     keytool -importcert -alias webcenter_spaces_ws -file producer.cert
    -keystore /scratch/dumakant/keystore/samedomain/producer.jks -
    storepass welcome1
    ```

    /scratch/dumakant/keystore/samedomain/ can be your local Linux home path.

    Set the value of recipient key alias in profile option "MSC: APCC Webcenter Spaces Recipient Key Alias".

15. Connect to the WebCenter server using telnet.

16. Execute the following command:

    ```
    cd /slot/ems2995/appmgr/Oracle/Middleware/user_projects/
    domains/wc_domain/config/fmwconfig/
    ```

17. Copy producer.jks to this location.

18. Open jps-config.xml.

19. Change serviceInstance as follows:

    ```
    serviceInstance name="keystore" provider="keystore.provider"
    location="./default-keystore.jks" to location="./producer.jks"
    ```

20. Run command wlst.

21. Connect to the WebCenter using the following command line:

    ```
    connect('weblogic','welcome1', 'Webcenter host:port')
    ```

    For example, for WebCenter host:port, use dadvmi0029.us.oracle.com:7060.

22. Back up cwallet.sso.

23. Execute the following:

```
createCred(map="oracle.wsm.security",key="enc-csf-key",user="
producer",password="welcome1",desc="Enc Password")
 createCred(map="oracle.wsm.security",key="sign-csf-key",user="
producer",password="welcome1",desc="Enc Password")
 createCred(map="oracle.wsm.security",key="keystore-csf-key",user="
keystore-csf-key",password="welcome1",desc="Keystore password")
```

24. Restart the WebCenter servers.

Deploy and Configure the BPM Tasklist

Perform the following procedures to deploy and configure the BPM Tasklist.

Create a Directory and Set a Path

1. Create directory /tmp/tasklist and set path as follows:

```
/Oracle/Middleware/jdk160_11/bin/:$PATH
```

Update and Copy the WAR File to the WebCenter Home

1. Get file msc_custom_spaces.zip from ARU and unzip it to obtain custom.webcenter.spaces.war. Then, unjar it. Execute the following:

```
cd /tmp/tasklist;
 unzip msc_custom_spaces.zip
 cd /tmp/tasklist;
 jar xvf custom.webcenter.spaces.war;
```

2. Go to WEB-INF/lib/ and unjar wf_client_custom.jar. Execute the following:

```
cd /tmp/tasklist/WEB-INF/lib;
mkdir temp;
cp wf_client_custom.jar temp/
cd temp;
jar xvf wf_client_custom.jar
```

3. Open wf_client_config.xml and provide your soa server URL for tagsserverURL and rootEndPointURL.

4. Update wf_client_custom.jar with the updated wf_client_config.xml. Execute the following:

```
cd /tmp/tasklist/WEB-INF/lib/temp;
jar uvf wf_client_custom.jar wf_client_config.xml
```

5. Copy file wf_client_custom.jar to WEB-INF/lib/. Execute the following:

```
cp /tmp/tasklist/WEB-INF/lib/temp/wf_client_custom.jar ../
cd /tmp/tasklist/WEB-INF/lib/;
rm -rf temp;
```

6. Update custom.webcenter.spaces.war with updated file WEB-INF/lib/wf_client_custom.jar and all other files that were part of custom.webcenter.spaces.war. After executing these commands, there is updated custom.webcenter.spaces.war at /tmp/:

```
cd /tmp/tasklist;
jar uvf custom.webcenter.spaces.war WEB-INF/lib/wf_client_custom.jar
```

7. To back up, execute the following:

```
/slot/ems4372/appmgr/oracle/middleware/Oracle_WC1/webcenter/
modules/oracle.webcenter.spaces_11.1.1/
custom.webcenter.spaces.war
cd /slot/ems4372/appmgr/oracle/middleware/Oracle_WC1/
webcenter/modules/oracle.webcenter.spaces_11.1.1/
cp custom.webcenter.spaces.war custom.webcenter.spaces.war.orig
```

8. Copy custom.webcenter.spaces.war. Execute the following:

```
/slot/ems4372/appmgr/oracle/middleware/Oracle_WC1/webcenter/
modules/oracle.webcenter.spaces_11.1.1/
cd /slot/ems4372/appmgr/oracle/middleware/Oracle_WC1/webcenter/
modules/oracle.webcenter.spaces_11.1.1/
cp /tmp/custom.webcenter.spaces.war
```

Update Deployments

1. Navigate to http://rws60212rems:7004/console/using weblogic/welcome1 and click **Lock & Edit**.

2. Click **Deployments**, select **webcenter**, click **Stop**, select option **Force Stop Now**, and answer **Yes** to the confirmation question.

3. Reselect **webcenter**, click **Delete**, and answer **Yes** to the confirmation question.

4. Select **custom.webcenter.spaces**, click **Update**, click **Next**, click **Next**, and click **Finish**.

5. Click **Install**. Select path as follows:

   /slot/ems4372/appmgr/oracle/middleware/Oracle_WC1/archives/applications, and file as webcenter.ear

   Deploy it on managed server WLS_Spaces.

6. Click **Deployments**, select webcenter, click **Start**, select option **Start servicing all requests**, and answer **Yes** to the confirmation question.

Set extendApp to true in setDomain.sh.

1. Open /slot/ems4372/appmgr/oracle/middleware/user_projects/domains/wc_domain/bin/setDomainEnv.sh and add the following:

```
EXTRA_JAVA_PROPERTIES="-Doracle.webcenter.spaces.extendApp=true
${EXTRA_JAVA_PROPERTIES}"
export EXTRA_JAVA_PROPERTIES
```

2. Restart Managed Server WLS_Spaces.

Create a New View in Oracle BPM Worklist

1. Navigate to the BPM worklist [http://rws60212rems:8880/integration/worklistapp]

and log in using admin credentials.

2. Click **Add [+]** icon from section Worklist Views.

3. Select **Create View**, select name **APCC Shared View**, select **Add to Standard Views**. Navigate to **Add Condition** drilldown and select **State**. Click **Add [+]** icon, and select **Assignees** who can share this view.

4. Select **Display** tab, then select these columns in the left side of the window:
   - Title: BPEL process name that you created in the Scenario Manager
   - Due Date
   - Application Context: BPEL Activity Name
   - Identifier: Plan name
   - State: Worklist task state--Assigned, Deleted, Suspended
   - Category: BPEL Activity Status - In progress, Not Started, Error or Completed
   - Created: Date
   - Creator: User

5. Click **OK**.

Test the Tasklist

1. Navigate to WebCenter (for example, http://rws60212rems:8877/webcenter/) and log in.

2. Create a blank group space, edit page, and click add content. The Catalog opens.

3. Click open on APCC Custom Folder, move to Task List, and click **Add**.

4. Verify that it is added to the Tasklist.

Deploy and Configure the Group Space Template

Perform these steps for all WebCenter Portal versions.

1. Get file msc_apcc_gs_template.ear from ARU.

2. Copy it to your local directory.

3. Open the WebCenter Spaces URL.

Example
`http://rws60212rems.us.oracle.com:8877/webcenter`

4. Log in to the WebCenter Spaces URL.

5. Navigate to the WebCenter Administrator.

Perform these steps for WebCenter Portal versions below version 11.1.1.7.

1. Click the Manage Group Spaces and Group Space Templates. Manage Group Spaces opens.

2. Click the Templates subtab. The Manage Group Space Templates window opens.

3. Click the Import option. The Import Archive Name window opens.

Perform these steps for WebCenter Portal versions 11.1.1.7 and higher.

1. Click Administration.

2. Navigate to tab Portal Templates.

3. Select option Import, browse for file `msc_apcc_gs_template.ear`, and import it.

Perform these steps for all WebCenter Portal versions.

1. Select Option Archive Located on Local File System, specify local directory as the EAR file location, and click **Import**. This completes the group space template import.

2. Log in to the WebCenter Spaces URL.

3. Click **Group Spaces**.

4. Click **Create Group Space**.

5. Enter Group Space Name, enter Description, and select group space template name.

6. Click **Create**. This creates a group space with group space name given.

7. Click **Group Space Name** tab.

8. Navigate to **Setting > Custom Attributes**.

9. Select custom attribute FND_OBIEE_URL.

10. Navigate to Actions, and select **Edit Attribute**.

11. Enter your OBIEE URL.

Example:

`http://adc60069fems.us.oracle.com:9799/`

12. Click **OK**.

13. Select custom attribute APPS_SERVLET_AGENT.

14. Navigate to Actions, and select **Edit Attribute**.

15. Enter Apps Servlet URL.

    Example:

    `http://rws60147rems.us.oracle.com:8034/OA_HTML`

16. Click **OK**.

17. Select custom attribute MSC_SCN_SERVICE_ENDPOINT.

18. Navigate to Actions, and select **Edit Attribute**.

19. Enter the BPM Worklist URL.

    Example:

    `http://rws60018rems.us.oracle.com:8880`

20. Click **OK**.

21. Navigate to the home page, click **Edit Page**, delete the worklist component from top of the page, and place APCC Custom Folder > Tasklist at the same location. This replaces a worklist component with a tasklist component.

22. Navigate to the **Setting** tab, and then navigate to the **General** tab.

23. Click **Save as Group Space Template**. The Save as Group Space Template window opens.

24. Enter Template Name, enter Description, and check **Publish**.

25. Click **Save**. This creates the template.

26. Enter the template name in MSC: APCC Webcenter Group Space Template Profile.

Deploy and Configure Application Links [Optional]

This configures E-Business Suite functions as external applications in the WebCenter Personal Sidebar; the user can navigate to E-Business Suite from WebCenter.

Group space also contains application links with context-like group space names, but application Links defined in WebCenter Personal Sidebar do not pass context

information to E-Business Suite applications.

1. Open enterprise manager [http://host:port/em] and log in as administrator [weblogic/welcome1].

2. Expand Webcenter, expand Webcenter spaces, select webcenter (WLS Spaces), right-click **Settings**, and click **Service Configuration**.

3. Select **External Applications**.

4. Click the **Add** icon, input values for these entities, and click **OK**.

   Some of these are sample values:

   - Application Name: Scenarios
   - Display Name: Scenarios
   - Enable Automatic Login: Selected
   - Login URL:

     ```
     http://host:port/OA_HTML/MscObieeSrvlt?
     ParamType=Name&FROM_NODE=WC&TO_NODE=SCN
     ```

   - Find the values for the host and port from the value of profile option Apps Servlet Agent.
   - HTML User ID Field Name: usernameField
   - HTML User Password Field Name: passwordField
   - Authentication Method: Post
   - Enable Shared Credentials: Selected
   - User Name: TEST
   - Password: TEST

5. Click the **Add** icon, input values for these entities, and click **OK**.

   Some of these are sample values:

   - Application Name: Supply Chain Analyst Dashboard
   - Display Name: Supply Chain Analyst Dashboard
   - Enable Automatic Login: Selected
   - Login URL:

```
http://host:port/OA_HTML/MscObieeSrvlt?
ParamType=Name&FROM_NODE=WC&TO_NODE=SCA
```

Find the values for the host and port from the value of profile option Apps Servlet Agent.

- HTML User ID Field Name: usernameField
- HTML User Password Field Name: passwordField
- Authentication Method: Post
- Enable Shared Credentials: Selected
- User Name: TEST
- Password: TEST

6. Click the **Add** icon, input values for these entities, and click **OK**.

   Some of these are sample values:

   - Application Name: Sales and Operations Planning Analyst Dashboard
   - Display Name: Sales and Operations Planning Analyst Dashboard
   - Enable Automatic Login: Selected
   - Login URL:

     ```
     http://host:port/OA_HTML/MscObieeSrvlt?
     ParamType=Name&FROM_NODE=WC&TO_NODE=SOP
     ```

     Find the values for the host and port from the value of profile option Apps Servlet Agent.

   - HTML User ID Field Name: usernameField
   - HTML User Password Field Name: passwordField
   - Authentication Method: Post
   - Enable Shared Credentials: Selected
   - User Name: TEST
   - Password: TEST

7. Click the **Add** icon, input values for these entities, and click **OK**.

   Some of these are sample values:

- Application Name: Simulation Planner Workbench
- Display Name: Simulation Planner Workbench
- Enable Automatic Login: Selected
- Login URL:

  ```
  http://host:port/OA_HTML/MscObieeSrvlt?
  ParamType=Name&FROM_NODE=WC&TO_NODE=rp
  ```

  Find the values for the host and port from the value of profile option Apps Servlet Agent.
- HTML User ID Field Name: usernameField
- HTML User Password Field Name: passwordField
- Authentication Method: Post
- Enable Shared Credentials: Selected
- User Name: TEST
- Password: TEST

8. Click the **Add** icon, input values for these entities, and click **OK**.

   Some of these are sample values:

   - Application Name: Demand Management Workbench
   - Display Name: Demand Management Workbench
   - Enable Automatic Login: Selected
   - Login URL:

     ```
     http://host:port/OA_HTML/MscObieeSrvlt?
     ParamType=Name&FROM_NODE=WC&TO_NODE=DEMANTRA
     ```

     Find the values for the host and port from the value of profile option Apps Servlet Agent.
   - HTML User ID Field Name: usernameField
   - HTML User Password Field Name: passwordField
   - Authentication Method: Post
   - Enable Shared Credentials: Selected

- User Name: TEST
- Password: TEST

9. Click the **Add** icon, input values for these entities, and click **OK**.

   Some of these are sample values:

   - Application Name: BPM Worklist
   - Display Name: BPM Worklist
   - Enable Automatic Login: Selected
   - Login URL:

     `http://host:port/integration/worklistapp`

     Find the values for the host and port from the value of profile option MSC: Scn Service End Point.
   - HTML User ID Field Name: usernameField
   - HTML User Password Field Name: passwordField
   - Authentication Method: Post
   - Enable Shared Credentials: Selected
   - User Name: TEST
   - Password: TEST

10. Open WebCenter spaces [http://host:port/webcenter] and log in as administrator [weblogic/welcome1].

11. Navigate to the top menu, select the **Administration**, and click **Integrate Existing Applications**.

12. Expand **Applications Node**, select **Scenarios**, and click **Edit**. For each application, change Open Behavior to the Webcenter tab, and click **OK**.

Deploy and Configure SOA BPEL Flows

To deploy and configure SOA BPEL flows, if you are integrating with SOA Suite:

- 11g: Refer to My Oracle Support Document 1584883.1: Integrating Oracle E-Business Suite 12.2 with BPEL in SOA Suite 11g

- 12c: Refer to My Oracle Support Document 1951625.1: Integrating Oracle E-Business Suite 12.2 with BPEL in SOA Suite 12c

Set Up Profile Options

Perform the procedure below to set up your profile options.

1. Navigate to your E-Business Suite environment.
2. Select responsibility **System Administrator**.
3. Navigate to **Profiles > System**.
4. Verify or set values for the profile options as displayed in the table below.

Profile Options

Number / Owner	System Profile Name	User Profile Name	Valid Values / Set To	Comments
1	MSC_WC_ENABLED	MSC: APCC Webcenter Enabled	Yes/No	-
2	MSC_WC_SPACES_MEMBER_ROLE	MSC: APCC Webcenter Spaces Member Role	Viewer Or Participant	Members added to the webcenter group space can be either viewers or participants.
3	MSC_WC_SPACES_TEMPLATE	MSC: APCC Webcenter Group Space Template	Webcenter Group Space Template Name	**Example** Basic
4	MSC_WC_SPACES_RECIPIENTKEYALIAS	MSC: APCC Webcenter Spaces Recipient Key Alias	Recipient Key Alias	**Example** Producer

Number / Owner	System Profile Name	User Profile Name	Valid Values / Set To	Comments
5	MSC_WC_SPACES_SAMLISSUERNAME	MSC: APCC Webcenter Spaces Saml Issuer Name	Saml issuer name of Webcenter	**Example** www.oracle.com
6	MSC_WC_SPACES_PORT	MSC: APCC Webcenter Spaces Port	Webcenter Spaces managed server Port	**Example** 8877
7	MSC_WC_URL	MSC: APCC Webcenter URL	Webcenter URL	**Example** `http://rws60018rems.us.oracle.com/webcenter/wcAuthentication/?login=true&success_url=/spaces` Replace your host and keep the other things same. Then, you skip the Webcenter welcome/login screen when navigating from e-Business Suite to Webcenter.
8	MSC_SCN_SERVICE_ENDPOINT	MSC: BPEL End Point URI	WebLogic Soa server url	**Example** `http://rws60212resm.us.oracle.com:8880` 8880 is the soa_server1 port number.
9	MSC_SCN_BPEL_DOMAIN	MSC: BPEL Domain Name	soa-infra	For example, soa-infra.

Number / Owner	System Profile Name	User Profile Name	Valid Values / Set To	Comments
10	MSC_WS_WEBLOGIC_USERNAME	MSC: APCC WebLogic Username	Oracle BPM worklist admin user	**Example** weblogic_admin This user should be admin for OID and Webcenter.
11	MSC_WS_WEBLOGIC_PASSWORD	MSC: APCC WebLogic Password	Oracle BPM worklist admin password.	**Example** welcome1
12	MSC_WC_WEBLOGIC_USERNAME	MSC: APCC WebLogic Console Username	WebLogic admin user	**Example** weblogic This user should be the admin user for Weblogic.
13	MSC_WC_WEBLOGIC_PASSWORD	MSC: APCC WebLogic Console Password	Set it to WebLogic admin password.	**Example** welcome1

Compile MscWCRedirect.jsp

Perform the procedure below to compile the MscWCRedirect.jsp file.

1. Log in to the middle tier where $APPL_TOP resides as an appmgr user
2. Execute the following command:
   ```
   cd $FND_TOP/patch/115/bin;
   ```
3. Compile and flush as follows:
   ```
   perl ojspCompile.pl --compile -s 'MscWCRedirect.jsp' ?flush
   ```
4. Restart the middle tier as follows:

```
cd $ADMIN_SCRIPTS_HOME;
adoacorectl.sh stop;
adoacorectl.sh start;
adoacorectl.sh status;
```

Run the Planning Process Activities Concurrent Process

Perform the procedure below to run the Planning Process Activities concurrent process.

1. Click **Deployed Composite**. Verify that there is a green dot before each flow name and that there is a green up arrow in each status. If there is not, undeploy the flow, restart the server, deploy the flow, and check it again.
2. Select responsibility **Advanced Planning Scenario Manager**.
3. Run concurrent process Planning Process Activities concurrent process. This populates the Oracle 11g BPEL flows into the MSC tables.

Change the WebCenter Application Name

Perform the procedure below to change the WebCenter application name.

1. Log in to WebCenter using administrator.
2. Click the **Administration** link at the top of the page.
3. Select the **General** tab.
4. Change **Application Name** to 'Value Chain Planning".
5. Click **Apply**.

3

Advanced Supply Chain Planning

This chapter covers the following topics:

- Performing Pre-Configuration Setup
- Performing Configuration
- Upgrading ASCP
- Troubleshooting

Performing Pre-Configuration Setup

Complete these tasks after applying the patch and before starting the installation.

Overview

Review this table for the correct WebLogic, Fusion Middleware, and Java Developer Kit versions. Install them based on your platform operating system.

Release	WebLogic Version	Fusion Middleware Version	Java Developer Kit Version
Value Chain Planning Release 12.2.4.1 and earlier	10.3.6.0	- Fusion Middleware 11.1.1.6.0 - ADF Runtime 11.1.1.6.0	Use the Oracle JDeveloper and Application Development Framework 11g Certification and Support Matrix [http://www.oracle.com/technetwork/developer-tools/jdev/documentation/index-091111.html].
Value Chain Planning Release 12.2.4.2 and later	10.3.6.0	- Fusion Middleware 11.1.1.9.0 - ADF Runtime 11.1.1.9.0	Use the Oracle JDeveloper and Application Development Framework 11g Certification and Support Matrix [http://www.oracle.com/technetwork/developer-tools/jdev/documentation/index-091111.html].

If you are installing Value Chain Planning Release 12.2.6, apply these Application Development Framework patches against Fusion Middleware 11.1.1.9.0:

- 23168045: DVT GANTT UNABLE TO MOVE TASK BAR IN ADF 11.1.1.9.0
- 18816814: ALTA - SELECTMANYSHUTTLE WITH WIDE SELECTITEMLABEL MESSED UP IN ALTA

Example

Process

1. Confirm that you have WebLogic 11gR1 (WebLogic Server 10.3.6.0) installed. See the table in this section to confirm that you have the proper Fusion Middleware Version, ADF Runtime, and Java Developer Kit versions installed.
    1. Install the required Java Developer Kit.

Confirm that you install a Java Developer Kit that is compatible with your operating system and WebLogic Server version.

See Oracle Fusion Middleware 11g Release 1 (11.1.1.x) Certification Matrix [http://www.oracle.com/technetwork/middleware/downloads/fmw-11gr1certmatrix.xls].

2. Install WebLogic 10.3.6 according to Oracle WebLogic Server Installers [http://www.oracle.com/technetwork/middleware/weblogic/downloads/wls-main-097127.html]

   Navigate to Installers with Oracle WebLogic Server and Oracle Coherence and download the file for your platform, for example, `./wls1036_linux32.bin`.

   After installing, create a new Oracle home and note the directory.

3. Install Application Development Framework Runtime according to Downloads for Oracle ADF [http://www.oracle.com/technetwork/developer-tools/adf/downloads/index.html]. Navigate to Application Development Runtime, select the correct version, and download the file.

   Download ADF Runtime 11.1.1.6.0 from Oracle Software Delivery Cloud [https://edelivery.oracle.com/osdc/faces/SearchSoftware].. Search for Oracle Application Development Runtime.

   Unzip the ADF runtime zip file, for example,

   ```
   unzip ofm_appdev_generic_11.1.1.9.0_disk1_1of1.zip.
   cd Disk1
   ./runInstaller -jreLoc <JDK location>
   ```

   Use the same Oracle home from the WebLogic installation.

4. Configure the WebLogic Server domain according to Creating the ASCP Domain and Admin Server, page 3-4.

2. After applying the patch, copy file `$MSC_TOP/patch/115/ear/PlanningUIEar.zip` from the EBS server to a directory on the WebLogic Server.

3. Create a folder named `applications` on the host machine where WebLogic is installed. These instructions reference this folder as `applications`. For example,

   `/slot/ems1392/oracle/mwhome/user_projects/domain/fmw_domain/applications`.

4. Copy the .zip file to the folder `applications`.

5. Extract the .zip file to the same folder. The zipped file contains the file `PlanningUI.ear` that you select from this location during deployment.

See also:

- Creating the JDBC Data Source, page 3-17
- Deploying and Starting the Planning Application, page 3-25

6. In the EBusiness Suite application, set profile option MSC: ASCP Planning URL at the site level--the EBS instance which the data source points to. The internal profile name is `MSC_ASCP_WEBLOGIC_URL`.

   Set it to `http://domain_name:port_number`, for example, `http://rws60144rems.us.oracle.com:6087`.

   Use the same port number for the Advanced Supply Chain Planning domain managed server that you define in Creating the ASCP Managed Server, page 3-4.

Performing Configuration

This section includes information about the following ASCP configuration tasks:

1. Creating the ASCP Domain and Admin Server, page 3-4
2. Creating the ASCP Managed Server, page 3-13
3. Creating the JDBC Data Source, page 3-17
4. Setting Up MDS Repository, page 3-23
5. Starting the Admin Server and Managed Server, page 3-25
6. Deploying and Starting the Planning Application, page 3-25

Creating the ASCP Domain and Admin Server

If you currently have a working WebLogic Server (WLS) and domain created with the certified JDK version and specified ADF Runtime version, this step is optional. Go to Creating the ASCP Managed Server, page 3-13.

On the installed WLS, create a new WLS domain (for example, ascpdomain), and a new admin server (for example, AdminServer) in this domain.

Perform the following procedure to create the ASCP domain.

1. Go to <*WLS_HOME*>/common/bin folder.

   Example:

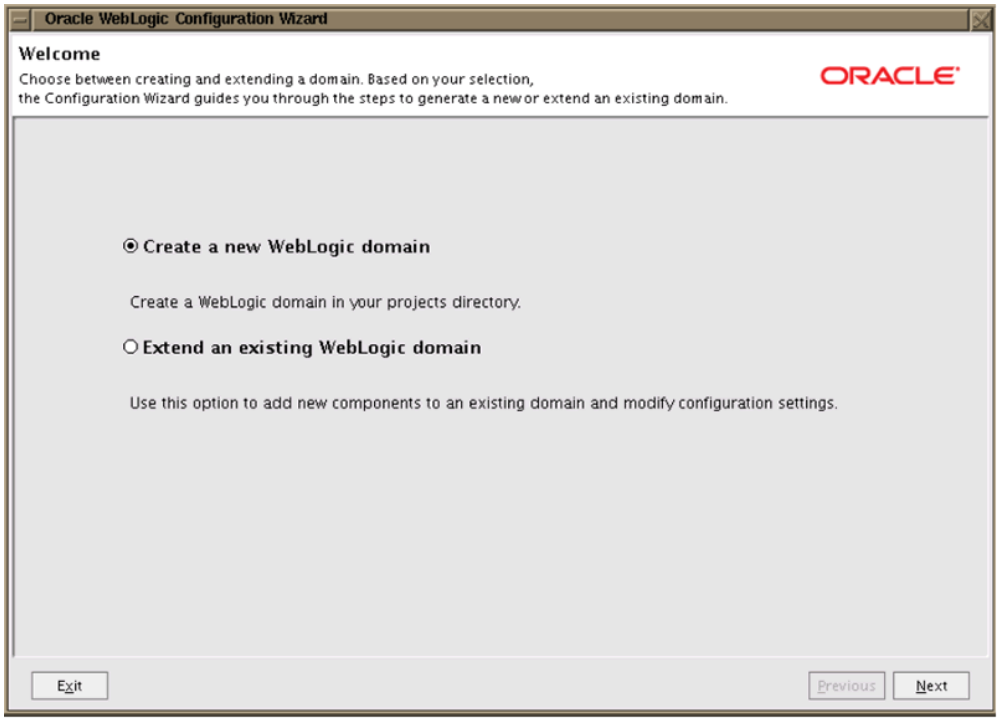
   `cd <installation path>/wlserver_10.3/common/bin`

2. Run config.sh script.

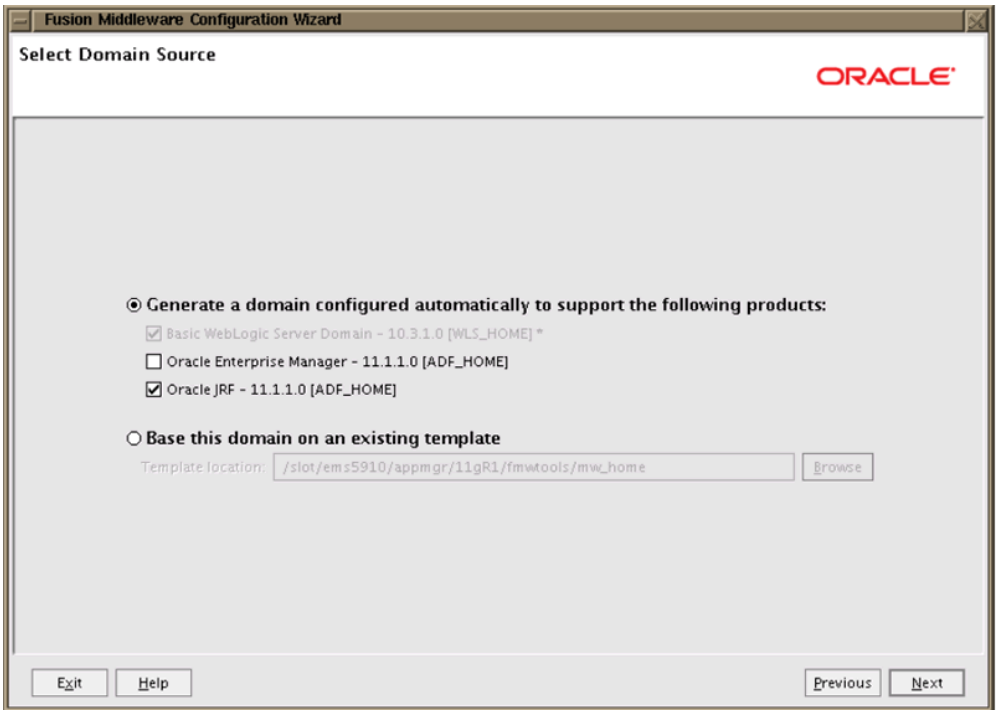
Example:

```
./config.sh
```

The Welcome screen for the Oracle WebLogic Configuration Wizard appears. This wizard guides you through the steps to generate a new domain or extend an existing domain.



3. Select **Create a new WebLogic domain** and click **Next**. The Select Domain Source screen appears.



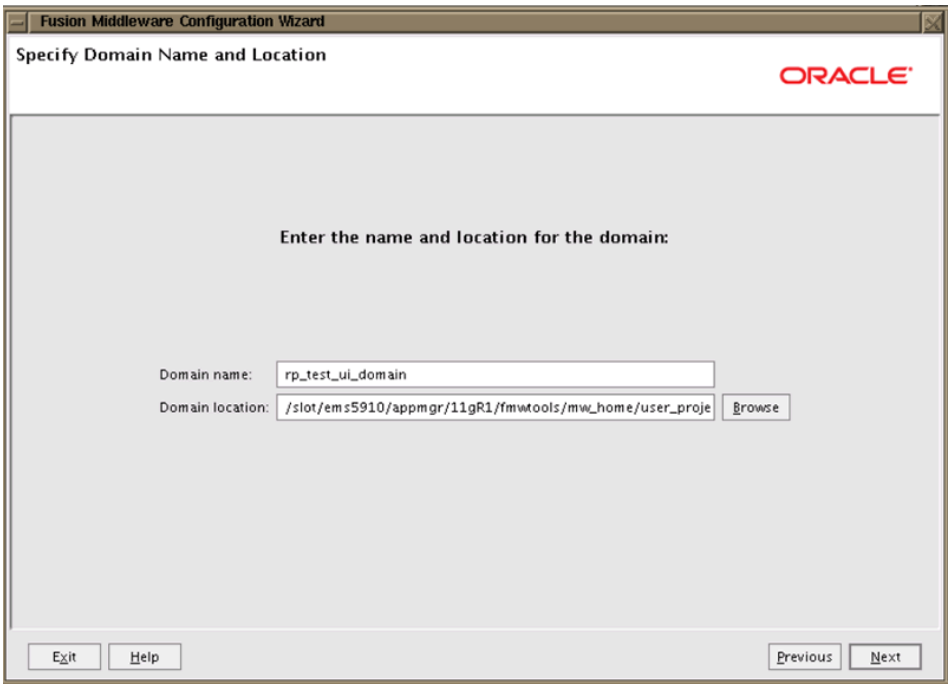
4. Perform the following:

    1. Select **Generate a domain configured automatically to support the following products**.

        Keep the default settings.

    2. Click **Next**.

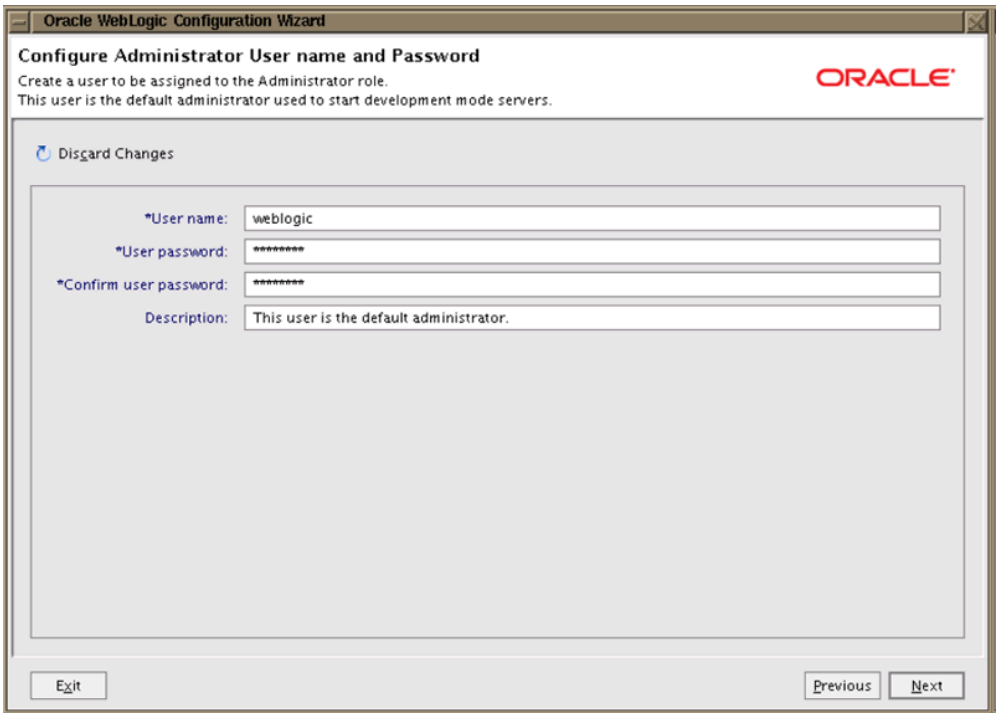
        The Specify Domain Name and Location screen appears.



5. Provide the **Domain name** and **Domain location**, and then click **Next**.

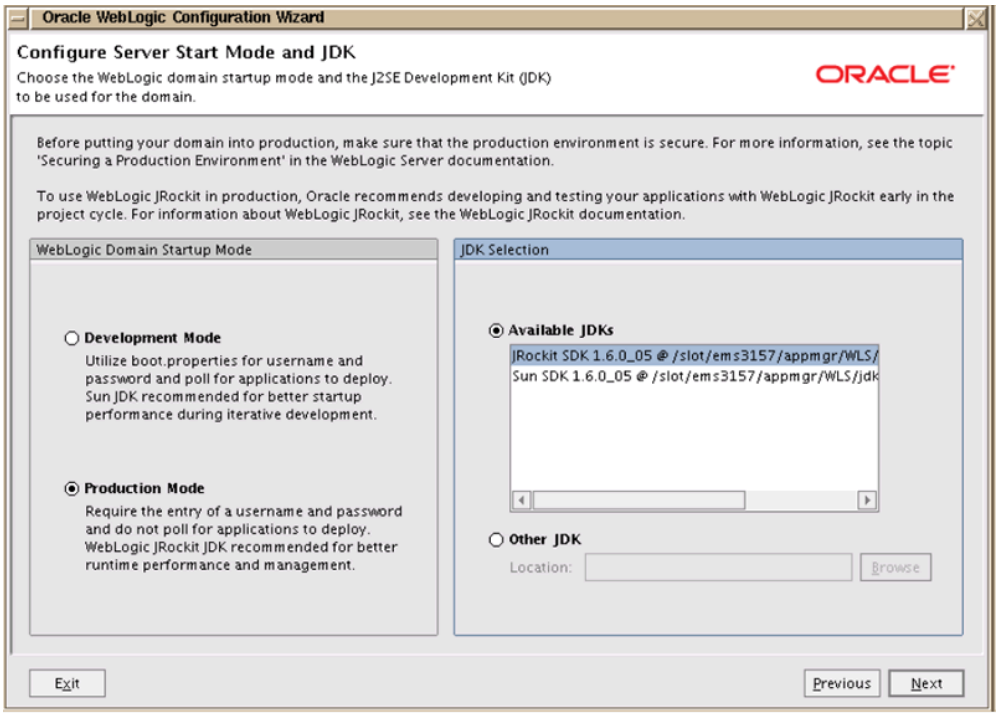
   The domain location is <*WLS_HOME*>/user_projects/domains where <*WLS_HOME*> is the installation path for your WebLogic server.

   The Configure Administrator User name and Password screen appears.



6. Enter the **User name**, **User password** and **Confirm user password** of your choice, and then click **Next**.

   The Configure Server Start Mode and JDK screen appears.



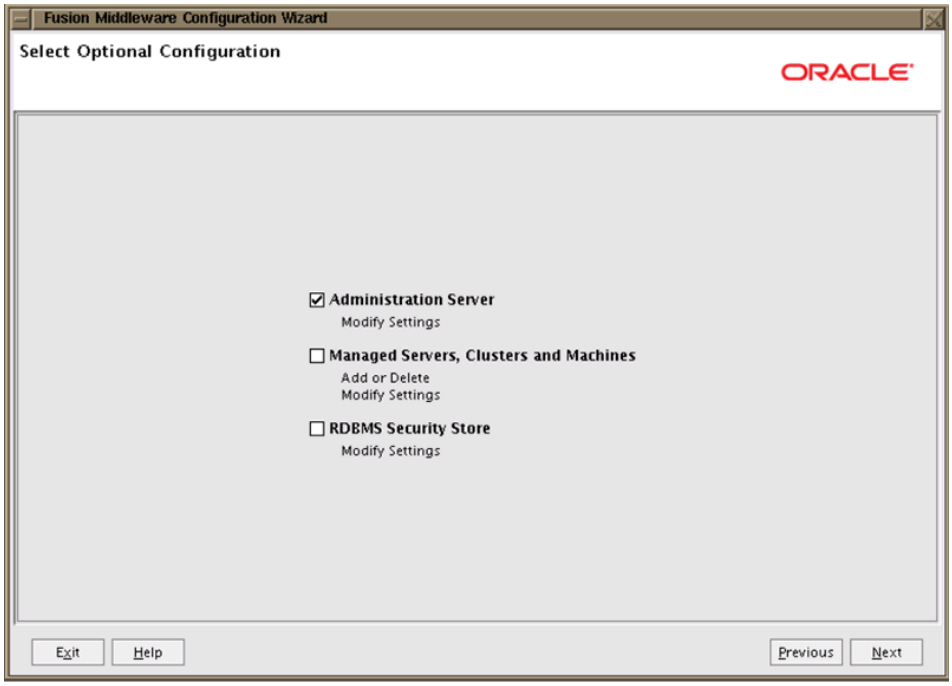
7. Perform the following:

    1. Select **Production Mode**.

    2. In JDK Selection region, select **Available JDKs** and select the appropriate version.

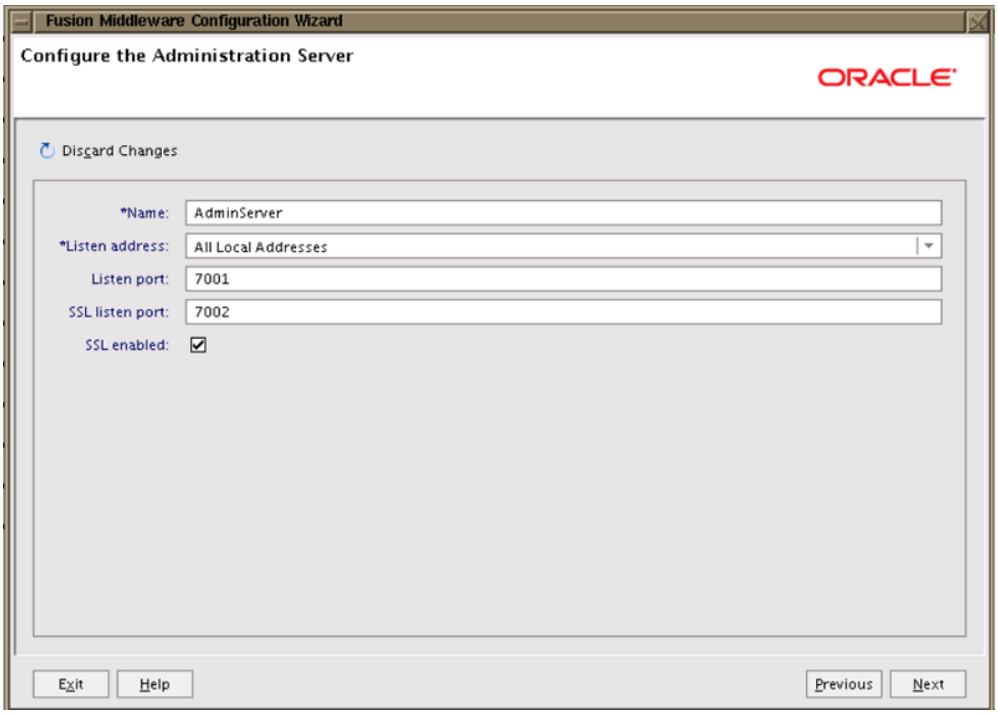
    3. Click **Next**.

       The Select Optional Configuration screen appears.



8. Select the **Administrative Server** option only and click **Next**.

   The Configure the Administration Server screen appears.



9. Perform the following:

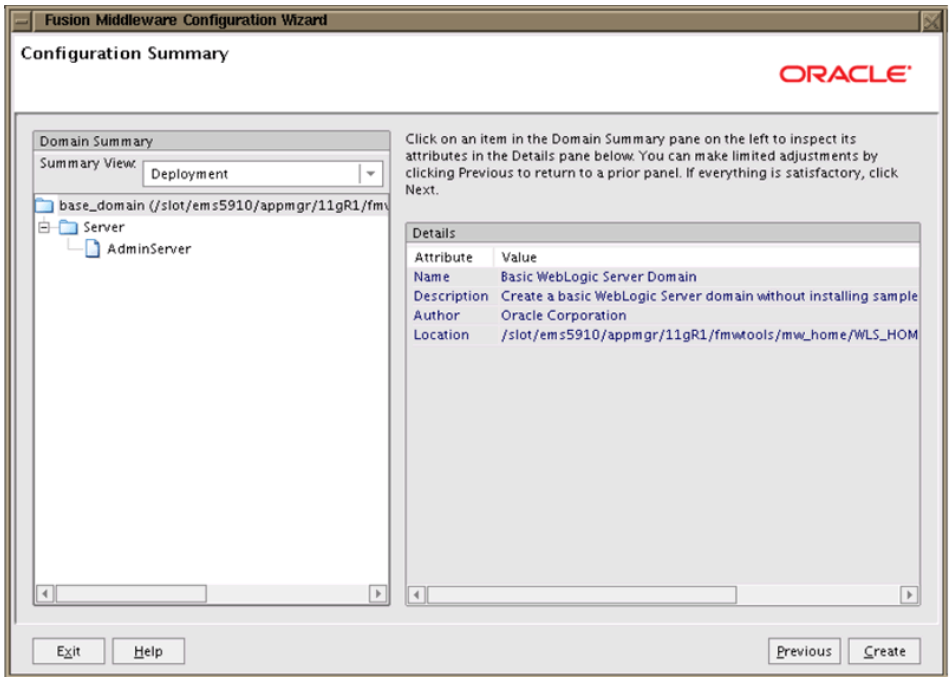
    1. Input the fields in the following table.

Field	Description
Name	Enter the name of the admin server.
Listen address	The admin server listen port address. Leave default option of **All Local Addresses**.
Listen port	Enter the server listen port number. Check the availability of the number before entering a value.
SSL listen port	Enter the SSL listen port number. Check the availability of the number before entering a value.

    2. Select the **SSL enabled** option.

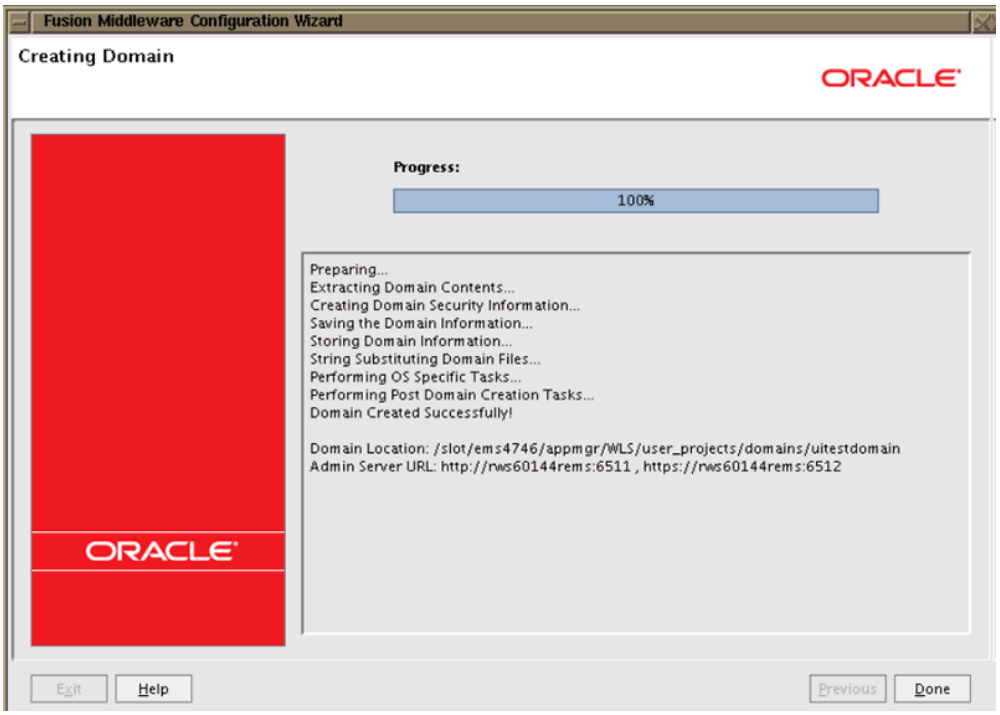
    3. Click **Next**.

The Configuration Summary screen appears.



10. Review the details. If you want to modify any settings, use the **Previous** button to return to the appropriate screen. If no changes are required, click **Create**.

    The Creating Domain screen appears and displays the system progress.



11. When the domain is complete, click **Done**.

    The wizard closes.

12. Go to the ASCP domain directory.

    Example:

    ```
    $ cd
    /slot/ems3424/appmgr/WLS/user_projects/domains/ascpdomain/
    ```

13. In the ASCP domain directory (for example, ascpdomain), create the output/ and log/ directories as follows:

    ```
    $ mkdir - m 777 output/
    $ mkdir -m 777 log/
    ```

Creating the ASCP Managed Server

This section provides procedures for creating the managed server and applying JRF.

1. Open a Web browser and type in the URL/address in the following format:

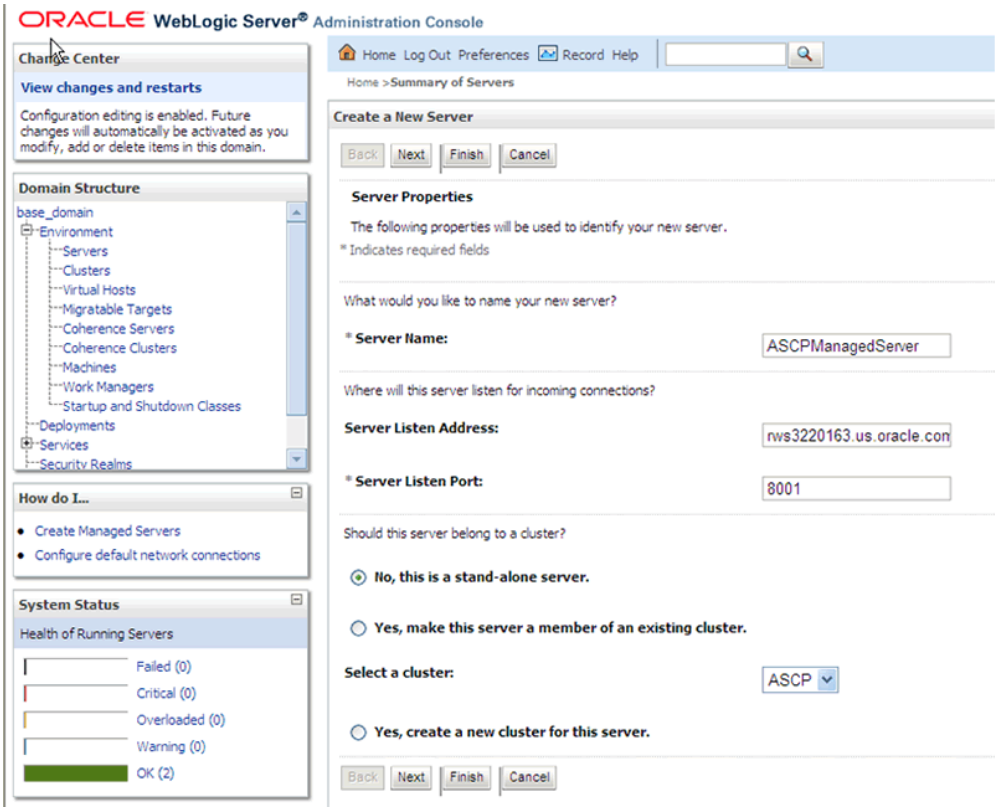
   `http://<Machine_Name>:<Port_No>/console`

   <Machine_Name> represents the host name of the machine on which the WebLogic server is running (for example, rws3220163.us.oracle.com) and *<Port_No>*is the Admin server **Listen port number** specified when the ASCP domain was created.

Example:

`http://rws3220163.us.oracle.com:7901/console`

The Oracle WebLogic Administration Console appears.



2. Navigate to **Servers** in the Domain Structure region.

   Example Navigation Path:

   base_domain > Environment > Servers

3. Click **New** to create a new server.

4. Perform the following:

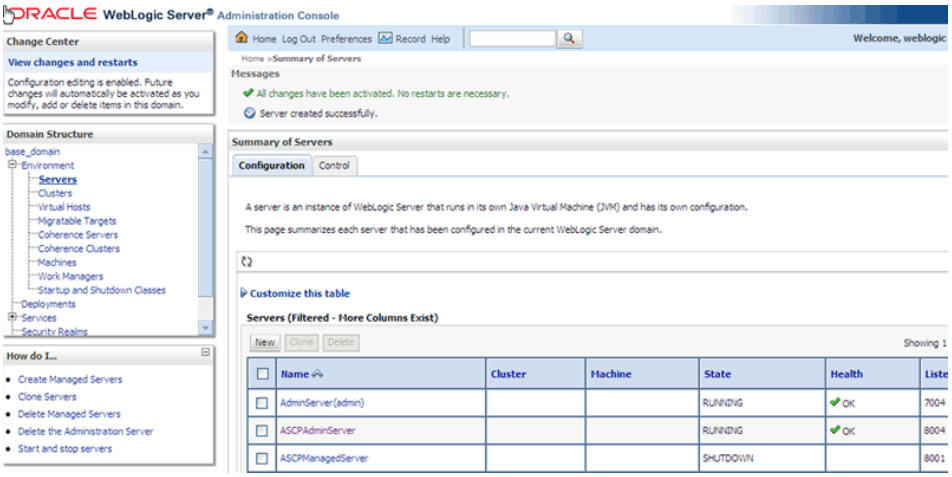
   1. Input the fields in the following table.

Field	Description
Server Name	Enter the name of the ASCP managed server (for example, ASCPManagedServer).

Field	Description
Server Listen address	Enter the listen address for manager server.
Server Listen port	Enter the server listen port number.

2. Define the server cluster options as needed.
3. Click **Next**.
4. Select the **SSL Enabled** option to enter the SSL port number.
5. Enter the Secured Socket Listen port in the **SSL Port** field.
6. Click **Finish**.

   The Configuration tab displays the new managed server.



5. Apply JRF on Managed Server using Enterprise Manger (EM).
   1. Open a Web browser and type in the URL/address in the following format:

      `http://<Machine_Name>:<Port_No>/em`

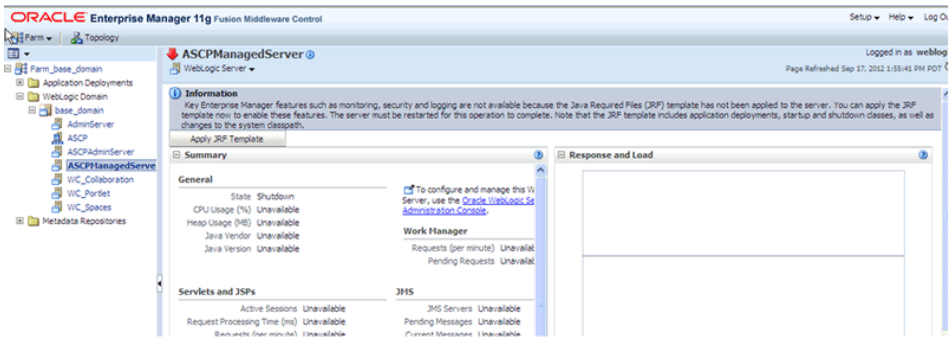
      <Machine_Name> represents the host name of the machine on which the WebLogic server is running (for example, rws3220163.us.oracle.com) and *<Port_No>*is the Admin server **Listen port number** specified when the ASCP domain was created.

      Example:

```
http:// rws3220163.us.oracle.com:7901/em
```

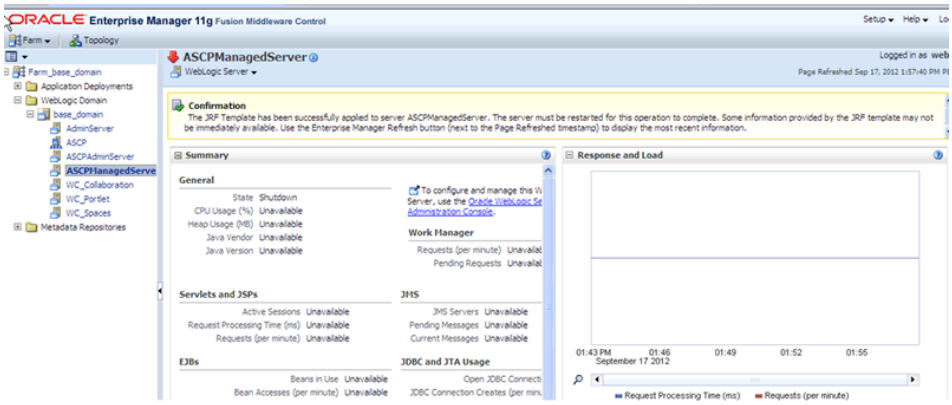
2. Navigate to WebLogic domain, your domain name, and select the Managed Server.

   The managed server information appears on the right side of the page.



3. Click **Apply JRF Template**.

   When successfully applied, a confirmation message appears at the top of the page.



The JRF Template can also be applied from the command line using the following procedure:

> **Note:** Skip the command line procedures if JRF was already applied using Enterprise Manger (EM).

1. Run wlst.sh from Middleware bin directory.

   ```
   cd $MIDDLEWARE_HOME\oracle_common\common\bin
   ./wlst.sh
   ```

2. Authenticate the connection.

Example:

```
connect('weblogic','welcome1', 'rws3220040.us.oracle.
com:7004')
```

Substitute your WLS username and password in the example above. Provide the host and port where the WLS Admin Server is running for the ASCP domain.

3. Apply JRF.

   Example:

   ```
   applyJRF('ASCPManagedServer',
   '/slot/ems6479/appmgr/Oracle111160/Middleware/user_proje
   cts/domains/base_domain', true)
   ```

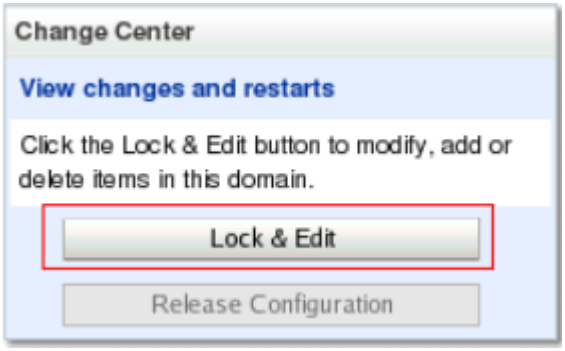
   Use your Managed Server name and the path for the ASCP domain directory example above.

Creating the JDBC Data Source

Perform the procedure below to create the JDBC data source (for example, ApplicationDB).

1. Log in to the WebLogic administration console, as described in Creating the ASCP Managed Servers, page 3-13.

2. Click **Lock & Edit** from the Change Center region, located on the top left of the page, if applicable.



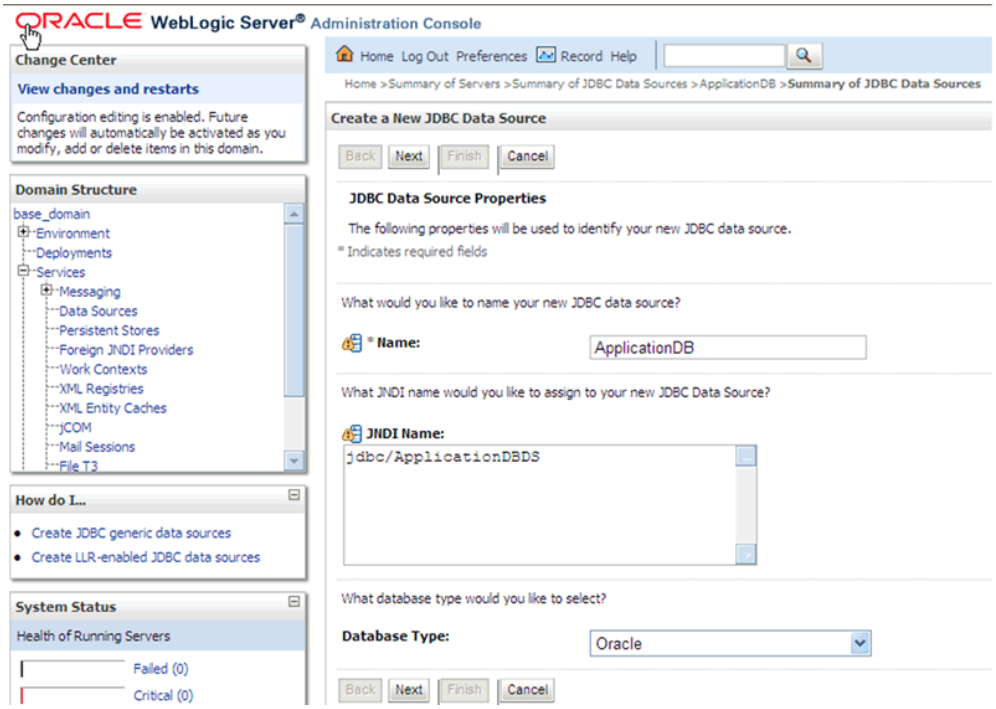
3. Navigate to **Data Sources** under the Domain Structure region.

   Example Navigation:

   base_domain > Services > JDBC > Data Sources

4. Click **New**.

   The Create a New JDBC Data Source page appears.



5. Perform the following:

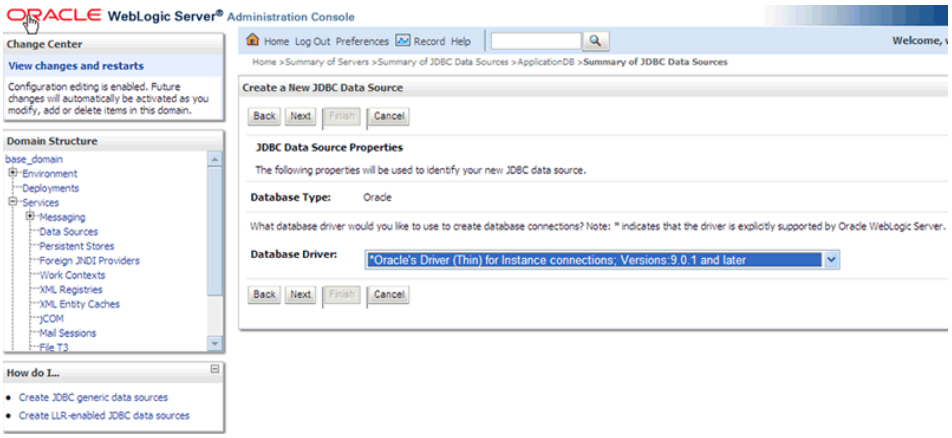
    1. Input the fields in the following table.

Field	Description
Name	Enter the name of the JDBC data source (for example, ApplicationDB).
JNDI Name	Enter the name you want to assign to your new JDBC Data Source (for example, jdbc/ApplicationDBDS).

    2. Select **Oracle** from the **Database Type** list.

    3. Click **Next**.

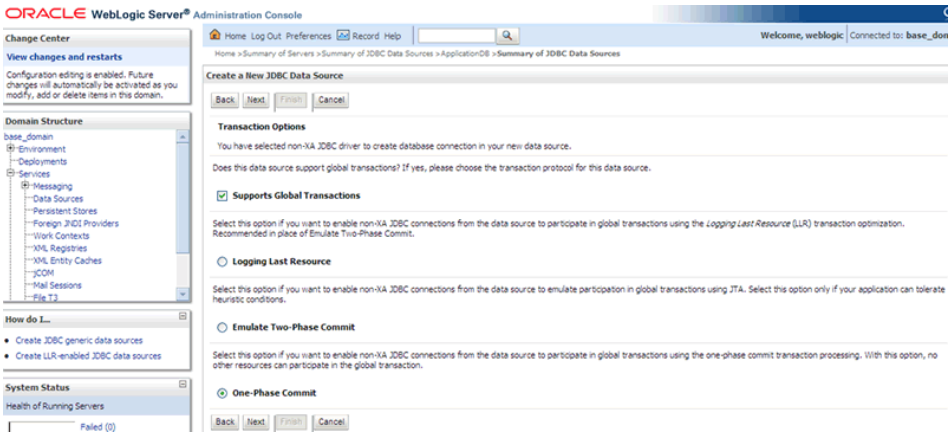
       The JDBC Data Source Properties page appears.



4. Select the **Oracle's Driver (Thin) for instance connections, Version 9.0.1 and later** from the **Database Driver** list.

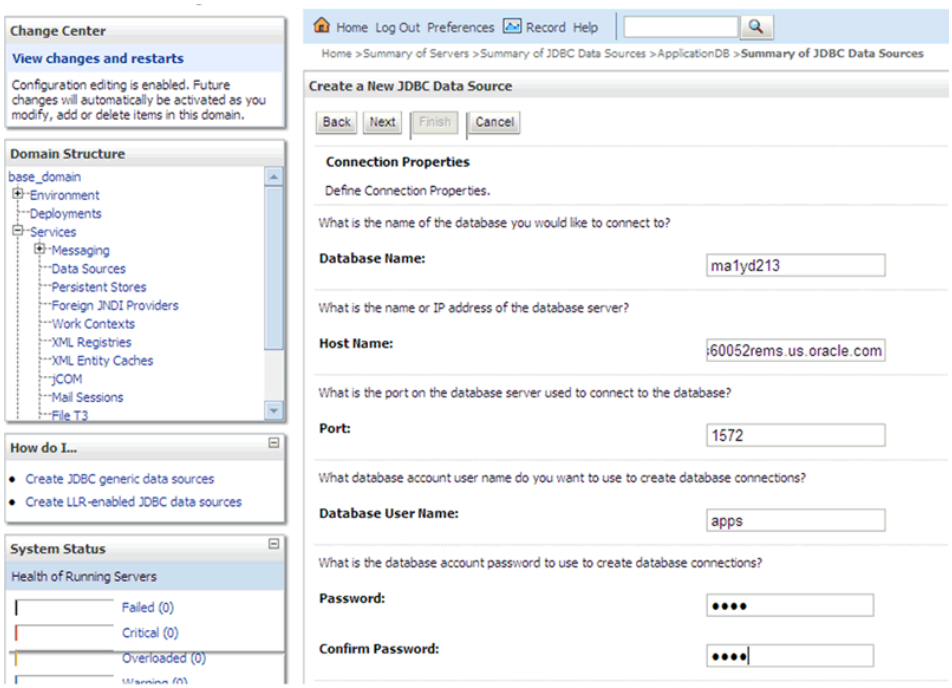
5. Click **Next**.

   The Transaction Options page appears.



6. Click **Next** to accept the default settings displayed.

   The Connection Properties page appears.



7. Input the database connection detail fields in the following table.

Field	Description
Database Name	Enter the database name (for example, ma1yd213).
Host Name	Enter the host name or IP address of the database server (for example, rws60052rems.us.oracle.com).
Port	Enter the port on the database server used to connect to the database (for example, 1572).
Database User Name	Enter the database account user name you want to use to create database connections (for example, apps).
Password	Enter the database account password you want to use to create the database connections.

Field	Description
Confirm Password	Retype your password.

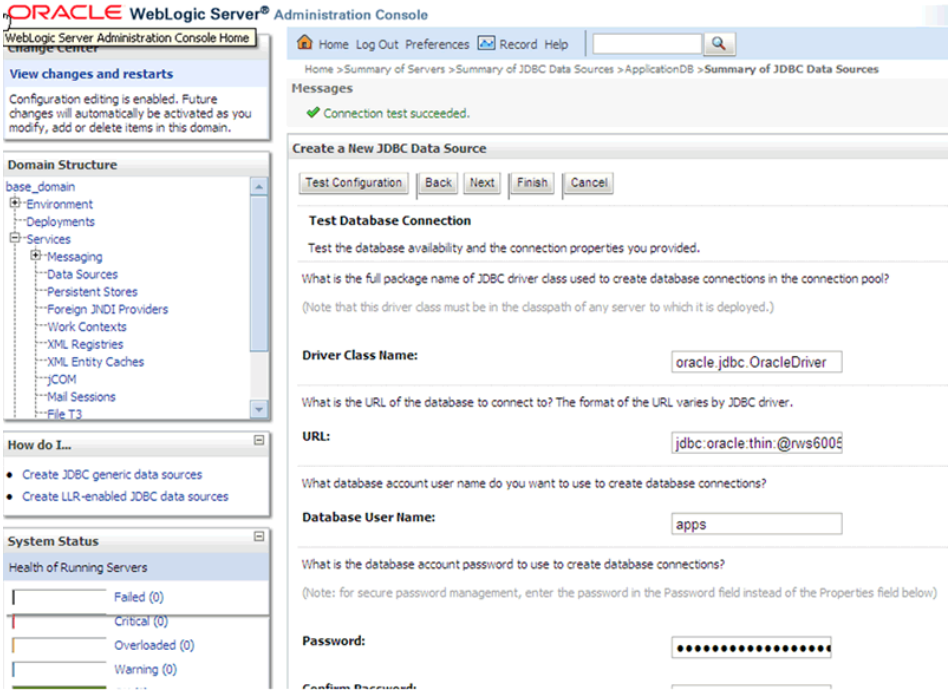
8. Click **Next**.

   The Tests Database Connection page appears.

9. Click **Test Configuration**.

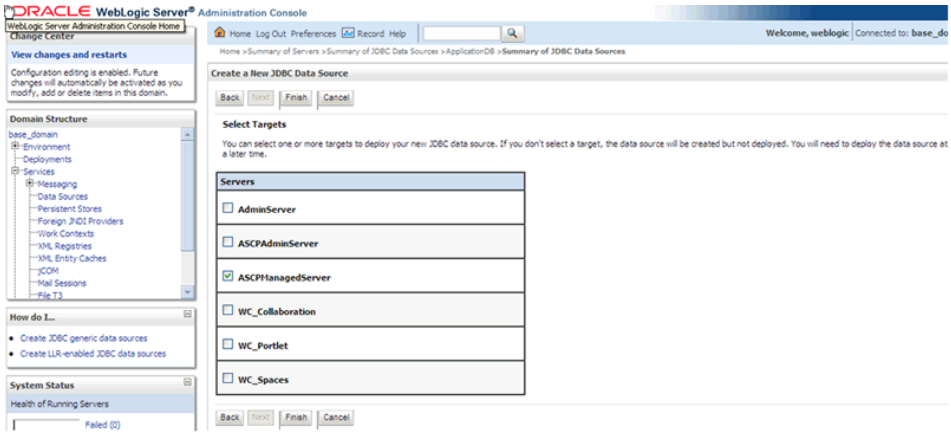
   If the JDBC is set up correctly, then the following message appears at the top of the page:

   Connection test succeeded.



10. Click **Next**.

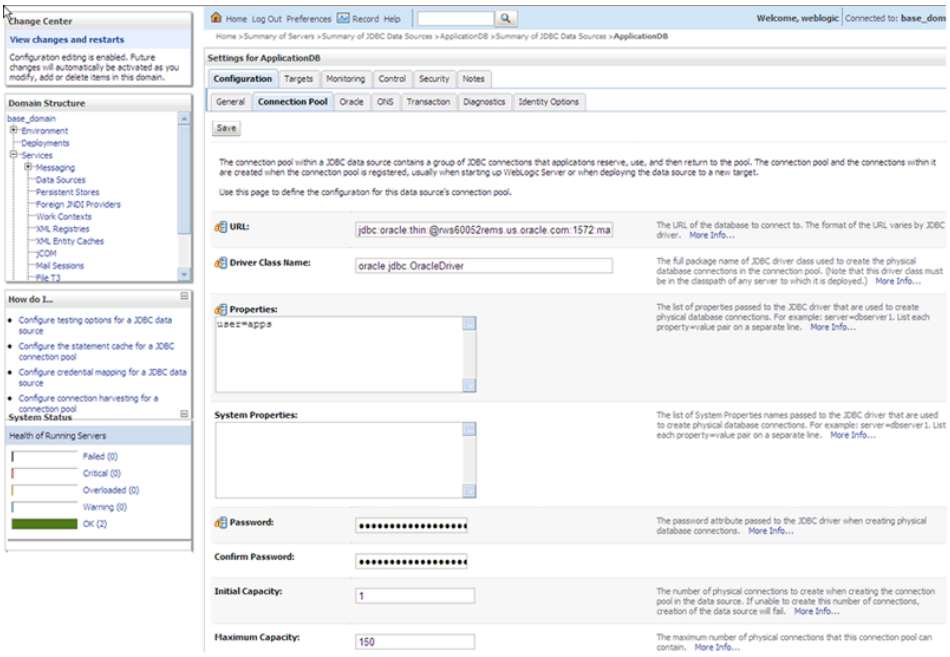
    The Select Targets page appears.



11. Select the ASCP managed server you created (for example, ASCPManagedServer), and click **Finish**.

12. Select the new JDBC data source (for example, ApplicationDB), and click the **Configuration** tab.

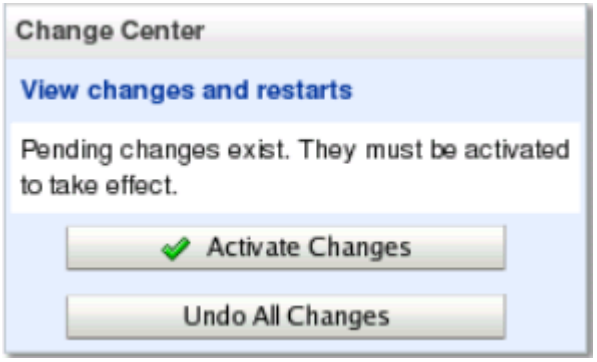
13. Select **Connection Pool** subtab and set **Maximum Capacity** field to 150. The default value for the field is 15.



14. Scroll down the page, and click the **Advanced** link. The Advanced options appear.

15. Select **Test Connections on Reserve** and click **Save**.

16. Click **Activate Changes** from the Change Center region, located on the top left of the page. This screen only appears if you were in Lock & Edit mode, which you selected at the beginning of this procedure.



At this point, you have successfully set up the JDBC Resource.

Setting Up MDS Repository

Performing the following procedure to set up the MDS repository.

1. Return to the UNIX console and go to the ASCP domain home (the path where ASCP domain is installed).

2. Create a new directory "mds": (*<ASCP_Domain_Home>*/servers/*<ASCPManagedServer>*/mds).

   Example:

   <installation_path>
   /user_projects/domains/uitestdomain/servers/AdminServer/mds

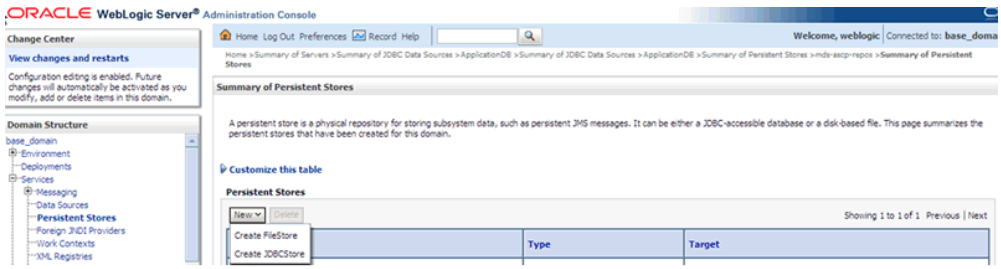
Creating a File Persistence Store

To create a file persistence store in WebLogic Server Administration Console, perform the following procedure:

1. Click **Lock & Edit** button from the Change Center region to change the domain configuration, if applicable.

2. Click **Persistent Stores** from the Domain Structure region (or you can navigate to **Services** >**Persistent Stores** from the Domain Structure region).

   The Summary of Persistent Store page appears.



3. Click **New**, and select **Create File Store**.

4. Perform the following:

   1. Enter mds-ascp-repos in the **Name** field.

   2. Select ASCPManagedServer from the **Target** list.

   3. Enter *<ASCP_Domain_Home>*/servers/*<ASCPManagedServer>*/mds in the **Directory** path field.

   4. Click **OK**.

5. Click **Activate Changes** from the Change Center region, located in top left of the page.

Starting the Admin Server and Managed Server

Perform the command line procedure below to start the ASCP Admin Server and ASCP Managed Server.

1. Change directories to the <DOMAIN_HOME>/bin location.

   Syntax:

   `cd $<DOMAIN_HOME>/bin`

   Example:

   /slot/ems6479/appmgr/Oracle111160/Middleware/user_projects/domains/base_domain/bin

2. Start the AdminServer.

   Example Syntax:

   ```
   nohup ./startWebLogic.sh -Dweblogic.management.
   username=weblogic -Dweblogic.management.password=welcome1>
   weblogic.out &
   ```

   Substitute your Hostname, Managed server post, Username and Password in the example command above.

3. Start the ASCPManagedServer.

   Example Syntax:

   ```
   nohup ./startManagedWebLogic.sh "ASCPManagedServer" "http:
   //rws3220163.us.oracle.com:7001" -Dweblogic.management.
   username=weblogic -Dweblogic.management.password=welcome1
   >ASCPManagedServer.out &
   ```

   Substitute your Hostname, Managed server post, Username and Password in the example command above.

Deploying and Starting the Planning Application

This procedure consists of the following tasks:

1. Copying and extracting the ZIP files.
2. Deploying the Planning Application.

Copying and Extracting the ZIP Files

Perform the following procedure to copy and extract the ZIP files.

After applying the VCP patch, the PlanningUIEar zip file has to be copied from EBS APPL_TOP to a directory where WebLogic is installed. The new application will have to be deployed to the ASCPManaged server.

1. Create a folder with name "applications" in a directory on the host machine where WebLogic is installed. This folder is referred to as "applications".

   Example:

   /slot/ems1392/oracle/mwhome/user_projects/domain/fmw_domain/applications

2. Copy the following ZIP files to the folder "applications".

   Example:

   ```
   cp $MSC_TOP/patch/115/ear/PlanningUIEar.zip <applications>
   ```

3. Extract the ZIP files to the same folder.

   The PlanningUI.ear file is selected from this location for deployment.

Deploying the Planning Application

Perform the following procedure to deploy the Planning Application:

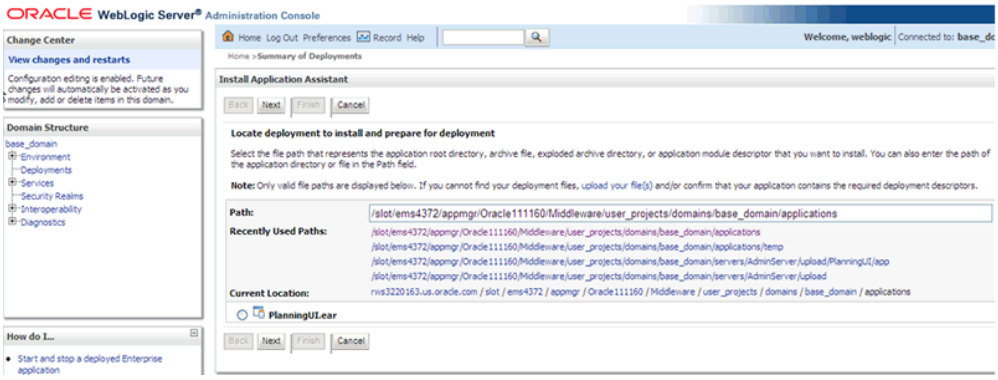
1. In order to deploy the Planning Application, open the WebLogic UI for ASCP Domain according to the procedure mentioned in Starting the Admin Server and Managed Server, page 3-25.

2. Select **Deployments** in the Domain Structure region.

   The Summary of Deployments - Control tab appears.

3. Select **Install** to install the new Planning Application.

   The Install Application Assistant - Locate deployment to install and prepare for deployment page appears.



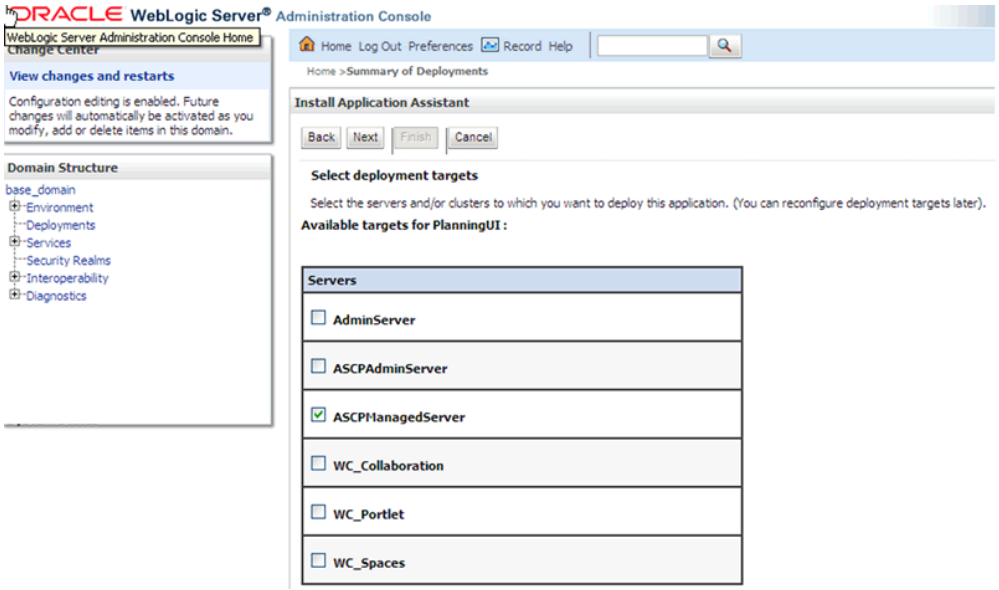
4. In the Path field, enter the <applications> directory path.

   Example:

   /slot/ems1392/oracle/mwhome/user_projects/domain/fmw_domain/applications

5. Select **PlanningUI.ear** and click **Next**.

The Select deployment targets page appears.

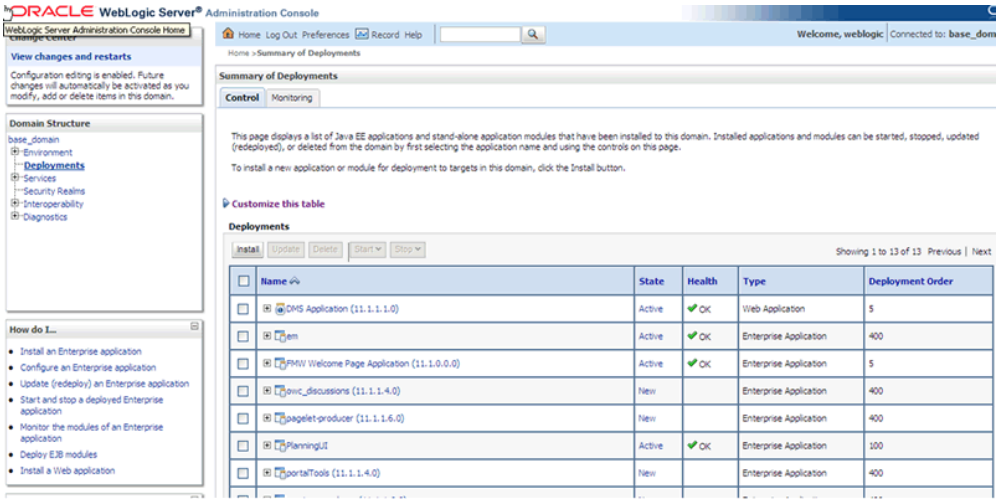


6. From the list of Available targets for PlanningUI, select **ASCPManagedServer** and click **Finish**.

   When the deployment is complete, the "PlanningUI" deployment is visible.

7. Verify your deployment.

   Select **Deployments** from the Domain Structure region, locate PlanningUI in **Deployments** table. PlanningUI deployment should be in "Active" state.



Post-Installation

If you are installing Value Chain Planning Release 12.2.6, edit the file `$FND_TOP/secure/allowed_redirects.conf` by adding these lines:

```
profile MSC_ASCP_WEBLOGIC_URL
profile FND_OBIEE_URL
```

Upgrading ASCP

Performing an upgrade consists of the following tasks:

1. Copying and extracting the ZIP files.
2. Redeploying the planning application.

Copying and Extracting the ZIP Files

Perform the Copying and Extracting the ZIP Files procedure in Deploying and Starting the Planning Application, page 3-25.

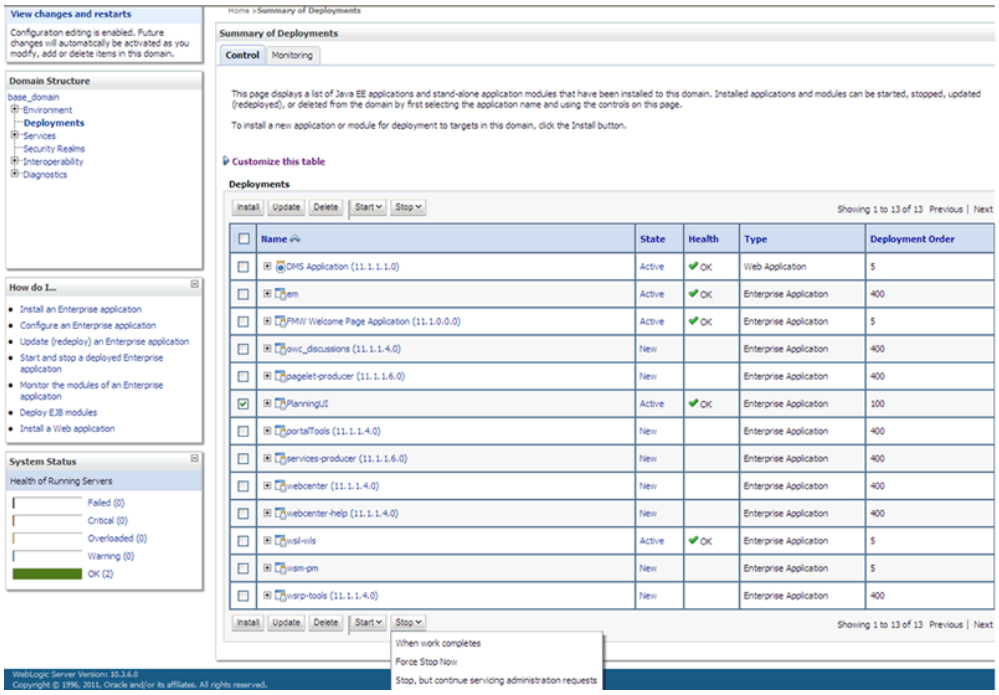
Redeploying the Planning Application

To redeploy, you must first delete the existing PlanningUI application. Perform the procedure below to delete the PlanningUI application, then refer to Deploying and Starting the Planning Application, page 3-25 for instructions on deploying your new Planning Application.

1. In order to redeploy the Planning application, open the WebLogic UI for the ASCP Domain according to the procedure mentioned in Starting the Admin Server and

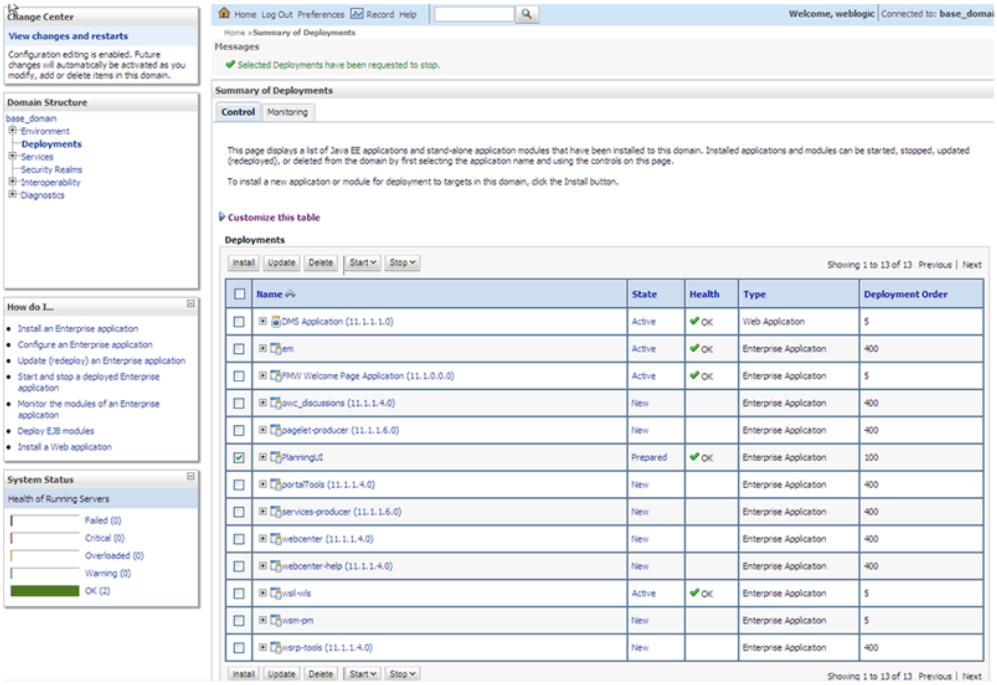
Managed Server, page 3-25.

2. Select **Deployments** in the Domain Structure region.



3. Select the PlanningUI application you want to redeploy and click **Stop**. Select **Force Stop Now**.

4. Click **Yes** to stop the application.



5. Select the PlanningUI application you want to redeploy and click **Delete**.

6. Deploy your new Planning Application. Refer to Deploying and Starting the Planning Application, page 3-25 for instructions.

Troubleshooting

The table below contains information or possible solutions about potential issues or errors that may occur while attempting to upgrade to the ASCP Usability Enhancement.

Issue	Solution
The PlanningUI deployment does not appear in Active state.	Please stop and delete the deployment. Follow steps in Redeploying the Planning Application, page 3-28.
Deployment errors indicate ADF related error or libraries missing.	Ensure that the managed server was created in a domain which is JRF enabled.

Issue	Solution
An error occurs while running applyJRF from command line wlst.sh.	Type help('all') and make sure applyJRF is available. Use the following: $MIDDLEWARE_HOME\oracle_common\common\bin\wlst.sh

4

Production Scheduling

This chapter covers the following topics:

- Standalone, Non-Integrated Production Scheduling Installations
- Production Scheduling Implementation
- Mandatory Prerequisite Patches
- Post Installation
- Post Installation Settings
- Special Instructions

Standalone, Non-Integrated Production Scheduling Installations

For information on installing Production Scheduling on Microsoft Windows in a standalone environment that is not integrated with E-Business Suite (EBS), refer to the *Oracle Production Scheduling Installation Guide*.

Production Scheduling Implementation

The procedures described in this section are only required if you implement Production Scheduling with E-Business Suite.

Mandatory Prerequisite Patches

Source Side:

Apply the following patches only if you are using Production Scheduler integrated with Complex Maintenance Repair Overhaul (cMRO):

- 9413058:R12.EAM.B - EAM patch
- 9138126:R12.EAM.B - EAM patch

Post Installation

In release 12.2, there are two files systems (FS1 and FS2) due to the new online patching tech stack. If you upgraded Value Chain Planning to 12.2.0 using 12.2.0 Rapid Install, perform the following procedure after the upgrade is complete:

> **Note:** If you continue upgrade to 12.2.1, these actions are no longer needed. They are required to upgrade to 12.2.0, but not to 12.2.1 and higher.

1. Source to the FS2 file system on apps tier, and change directories to $MSC_TOP/bin.
2. Run the following commands:

```
$perl install_PS.pl
$perl install_SNO.pl
```

Post Installation Settings

Set the following profile option settings after Production Scheduling is installed:

- Set "MSC: PS/SNO API Version" to 3.8 at Site Level.
- Set "MSC: PS/SNO Data Store Path" to the value of $APPLCSF environment variable at Site Level. This variable is defined in "APPLSYS.env".
- If Concurrent Tier and Web Tier are on different machines, set "MSC: PS/SNO Use DB for Integration Data" to "YES".
- If users want to download the xml files to the client machine for debugging purpose, set "MSC: PS/SNO Download XML Files" to "YES". The default value is "NO".
- To enable the collection of CMRO Work Order demands when running the VCP collections process, set "MSC: Collect CMRO Work Order Demand for PS" to "YES".

If you are using a Windows server for Production Scheduling integration, set the system variables below. This is a one-time mandatory step.

- Set SCP_ROOT_DRIVE to the drive where the Oracle product is installed (for example, C:).
- Set SCP_MSC_TOP with the MSC_TOP value using forward slash (/).

  Example
  `C:/oracle/VIS/apps/apps_st/appl/msc/12.0.0`

- Restart the server to apply your environment variable changes.
- Set "MSC: PS/SNO Data Store Path" using the forward slash (/).

  Example
  `C:/u01/oracle/viscomn/admin`

Special Instructions

Review the following when implementing Production Scheduling:

- If Oracle Repetitive Manufacturing Optimization (RMO) option is licensed along with Production Scheduling application, then the profile option "MSC: PS Enable CRO Scheduling" must be set to "YES". RMO and CRO are synonymous.
- Uninstall Production Scheduling application from your client machine and reinstall again through the Workbench. This step ensures that the latest version of Production Scheduling is applied to client machines.
- Production Scheduling is English only. The client application is deployed with translations available. Select Tools from the menu bar, select Language, and choose a language.
- As part of your setup, ensure the Production Scheduler responsibility is assigned to the appropriate user.
- Ensure that Organization security is enabled for Production Scheduler responsibility.
- After applying software patch, restart the application server.

5

Strategic Network Optimization

This chapter covers the following topics:

- Standalone, Non-Integrated Strategic Network Optimization Installations
- Strategic Network Optimization Integration
- Mandatory Prerequisite Patches for Oracle Process Manufacturing (OPM) Users
- Post Installation
- Post Installation Settings
- Special Instructions

Standalone, Non-Integrated Strategic Network Optimization Installations

For information on installing Strategic Network Optimization on Microsoft Windows and UNIX, in a standalone environment that is not integrated with E-Business Suite (EBS), refer to the *Oracle Strategic Network Optimization Installation Guide*.

Strategic Network Optimization Integration

The procedures in this section are only required if you implement Strategic Network Optimization (SNO) with E-Business Suite.

Mandatory Prerequisite Patches for Oracle Process Manufacturing (OPM) Users

The following patches are required for Oracle Process Manufacturing (OPM) users when implementing Strategic Network Optimization:

- 9319734:R12.GMP.B (with the following prerequisites)
    - 8486861:R12.GMA.B (with the following prerequisites)

- 7587155:R12.INV.B
- 7627262:R12.INV.B

- 7015717:R12.GMP.B

Post Installation

In release 12.2, there are two files systems (FS1 and FS2) due to the new online patching tech stack. If you upgraded Value Chain Planning to 12.2.0 using 12.2.0 Rapid Install, perform the following procedure after the upgrade is complete:

> **Note:** If you continue upgrade to 12.2.1, these actions are no longer needed. They are required to upgrade to 12.2.0, but not to 12.2.1 and higher.

1. Source to the FS2 file system on apps tier, and change directories to $MSC_TOP/bin.
2. Run the following commands:

```
$perl install_PS.pl
$perl install_SNO.pl
```

Post Installation Settings

Set the following Profile option settings after Strategic Network Optimization is installed:

- Set "MSC: PS/SNO API Version" to 3.7 at Site Level.
- Set "MSC: PS/SNO Data Store Path" to the value of $APPLCSF environment variable at Site Level. This variable is defined in "APPLSYS.env".
- If Concurrent Tier and Web Tier are on different machines, set "MSC: PS/SNO Use DB for Integration Data" to "YES" .
- If users want to download the xml files to the client machine for debugging purpose, set "MSC: PS/SNO Download XML Files" to "YES". The default value is "NO".
- If users want to publish the output xml files from SNO to the client under data_store/plan_id path, set "MSC: SNO Publish on Client" to "YES". Setting the profile option to "NO" helps to improve SNO publish performance. The default value is "NO".

If you are using a Windows server for SNO integration, set the server system variables

below. This is a one-time mandatory step.

- Set SCP_ROOT_DRIVE to the drive where the Oracle product is installed (for example, C:).
- Set SCP_MSC_TOP to the MSC_TOP value using forward slash (/).

  Example
  `C:/oracle/VIS/apps/apps_st/appl/msc/12.0.0`
- Restart the server to apply your environment variable changes.
- Set "MSC: PS/SNO Data Store Path" using forward slash (/).

  Example
  `C:/u01/oracle/viscomn/admin`

Special Instructions

Review the following when implementing Strategic Network Optimization:

- Uninstall Strategic Network Optimization application from your client machine and reinstall again through the Workbench. This step ensures that the latest version of Strategic Network Optimization is applied to client machines.
- Strategic Network Optimization is English only. The EBS translations can be downloaded from My Oracle Support as they become available.
- As part of your setup, ensure the Strategic Planner responsibility is assigned to the appropriate user.
- Ensure that Organization security is enabled for Strategic Planner responsibility.
- After applying software patch, restart the application server.

6

Service Parts Planning

This chapter covers the following topics:

- Service Parts Planning Installation Updates

Service Parts Planning Installation Updates

There are no Service Parts Planning installation updates for Release 12.2.

7

Demand Signal Repository

This chapter covers the following topics:

- Demand Signal Repository (DSR) Implementation
- Prerequisites
- Setting Up Oracle Data Integrator (ODI)
- Configuring the Physical Architecture in Topology Manager
- Configuring the Context and Logical Architecture in Topology Manager
- Executing Scenarios
- Setting Up Oracle Business Intelligence Enterprise Edition (OBIEE)
- Setting Up Oracle Business Intelligence Enterprise Translations
- Setting Up the Exception Management Dashboard Feature
- Configuring a Web Service in OBIEE
- Setting Up Web Services
- Setting Up Demand Signal Repository - Demantra Integration
- Setting up Demand Signal Repository - Retail Merchandise System (RMS) Integration
- Configuring the User Parameters in DSR Lookups
- Creating the Directories Defined in the DDR_R_LKUP_MST Table
- Copying the Class and DTD Files
- Importing the DSR - RMS Project Objects in the ODI Designer
- Configuring the Physical Architecture in Topology Manager
- Configuring the Context and Logical Architecture in Topology Manager
- Copying the EDIDLPRD.dat File
- Executing the Scenario

Demand Signal Repository (DSR) Implementation

The following install instructions apply to installing Demand Signal Repository as part of an E-Business Suite implementation or for upgrading DSR from an earlier release.

Prerequisites

Make sure the following prerequisites are met before installing Demand Signal Repository:

- Oracle Database 11.2.0.3 must be installed. Please refer to Oracle Database installation documents.

  http://www.oracle.com/pls/db112/portal.portal_db?selected=11&frame=

- Oracle Data Integrator 11.1.1.6 must be installed with both master and work repositories ID's greater than 300. Please refer to Oracle Data Integrator installation documents.

  http://docs.oracle.com/cd/E23943_01/core.1111/e16453/toc.htm

- Oracle Business Intelligence Enterprise Edition 11.1.1.6 must be installed. Please refer to Oracle Business Intelligence Enterprise Edition installation documents.

  http://docs.oracle.com/cd/E23943_01/bi.1111/e10539/toc.htm

- To use Demand Signal Repository and Retail Merchandising System (RMS) integration you must have Retail Merchandising System (RMS) version 10.0 or higher.

- If you are planning to use Demand Signal Repository and Demantra integration, you must have Demantra version 7.2 or higher.

Setting Up Oracle Data Integrator (ODI)

This section contains the activities required to set up ODI.

Copy the DSR ODI XML Files to a Temporary Folder

Copy the DSR ODI XML files from the APPL_TOP of your environment to a folder that will be used to import the ODI objects. This folder must be accessible from the ODI client you will use to perform the import.

DSR ODI XML files are located in the APPL_TOP folders:

- ddr/patch/115/odi/US/master

- ddr/patch/115/odi/US/model
- ddr/patch/115/odi/US/project/DDR

Import the DSR Project Objects in the ODI Designer

Import all XML files with prefixes of FOLD_% from the ODI Studio.

Importing the Folders

1. Select the **Designer** tab.
2. From the Connect Manager button, select **Import > Smart Import**.
3. In the file selection box, click the search button, navigate to the folder where the XML files from ddr/patch/115/odi/US/project/DDR were downloaded, and select the file to import in the list above.

   Leave the response file empty.
4. Click **Next**.
5. Accept all defaults on the Import Actions screen, and click **Next**.
6. On the Summary screen, click Finish to import the object.
7. Verify that the folders were imported correctly.

Import all XML files with the prefix of KM_% from the ODI Studio.

Importing the Knowledge Modules

1. Select the **Designer** tab.
2. From the Connect Manager button, select **Import >Smart Import**.
3. In the file selection box, click the search button, navigate to the folder where the XML files from ddr/patch/115/odi/US/project/DDR were downloaded, and select the file to import in the list above.

   Leave the response file empty.
4. Click **Next**.
5. Accept all defaults on the Import Actions screen, and click **Next**.
6. On the Summary screen, click **Finish** to import the object.
7. Verify that the knowledge modules were imported correctly.

Import all XML files with the prefix of VAR_% from the ODI Studio.

Importing the Variables

1. Select the **Designer** tab.
2. From the Connect Manager button, select **Import >Smart Import.**
3. In the file selection box, click the search button, navigate to the folder where the XML files from ddr/patch/115/odi/US/project/DDR were downloaded, and select the file to import in the list above.

   Leave the response file empty.
4. Click **Next**.
5. Accept all defaults on the Import Actions screen, and click **Next**.
6. On the Summary screen, click **Finish** to import the object.
7. Verify that the variables were imported correctly.

Importing the DSR Model in the Designer

Perform the following procedure from ODI Studio to import the DSR Model.

1. Select the **Designer** tab.
2. From the Connect Manager button, select **Import >Smart Import.**
3. In the file selection box, click the search button, navigate to the folder where the XML files from ddr/patch/115/odi/US/project/model were downloaded, and select the MFOL_DDR.xml.

   Leave the response file empty.
4. Click **Next**.
5. Accept all defaults on the Import Actions screen, and click **Next**.
6. On the Summary screen, click **Finish** to import the object.
7. Verify that the model was imported correctly.

Importing the Topology Objects

Import the topology objects in the following order:

1. LSC_DDR_RMS_XML_RETLDLPRD.xml
2. LSC_DDR_TDLINX_FILE.xml

3. LSC_DDR_ORACLE_DDR.xml
4. LSC_DDR_ORACLE_APPS.xml
5. CONN_DDR_RMS_XML_DATASERVER.xml
6. CONN_DDR_TDLINX_FILE.xml
7. CONN_DDR_ORACLE_DATASERVER.xml
8. CONT_DDR_CONTEXT.xml

Perform the following procedure from ODI Studio to import the topology objects.

1. Select the **Topology** tab.
2. From the Connect Manager button, select **Import >Smart Import**.
3. In the file selection box, click the search button, navigate to the folder where the XML files from ddr/patch/115/odi/US/master were downloaded, and select the file to import in the order above.

   Leave the response file empty.
4. Click **Next**.
5. Accept all defaults on the Import Actions screen, and click **Next**.
6. On the Summary screen, click **Finish** to import the object.
7. Verify that all the objects were imported correctly.

Configuring the Physical Architecture in Topology Manager

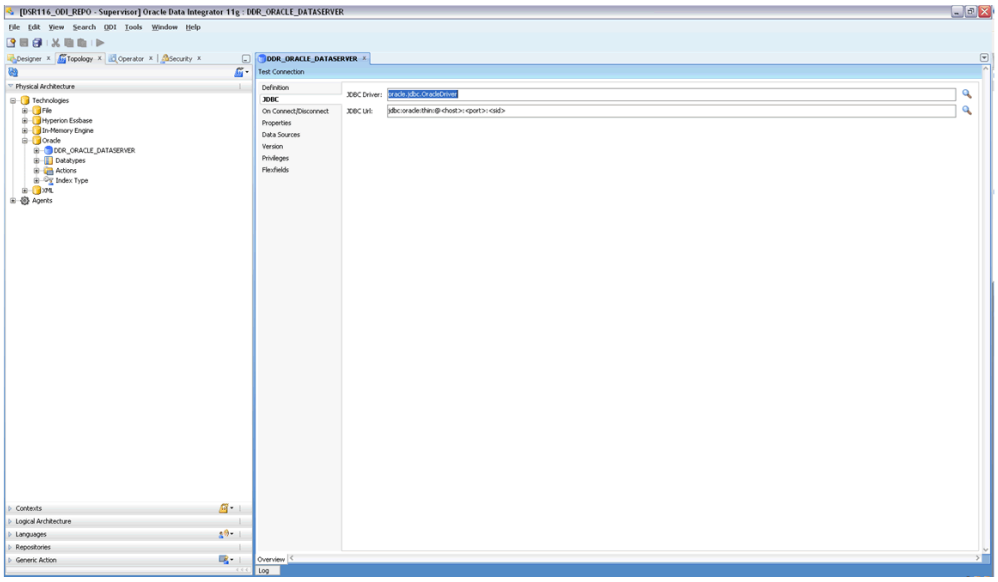
This section provides procedures for configuring the Oracle dataserver and TDLINX.

Configuring the Oracle Dataserver

Perform the following procedure to configure Oracle dataserver.

1. On the Physical Architecture tab under Oracle, open the "DDR_ORACLE_DATASERVER" object.
2. On the JDBC subtab, change the JDBC URL to point to the DSR database.
3. On the Definition subtab, change the password for the apps user.
4. Save the changes.

5. Click Test Connection and make sure the connection is successful.



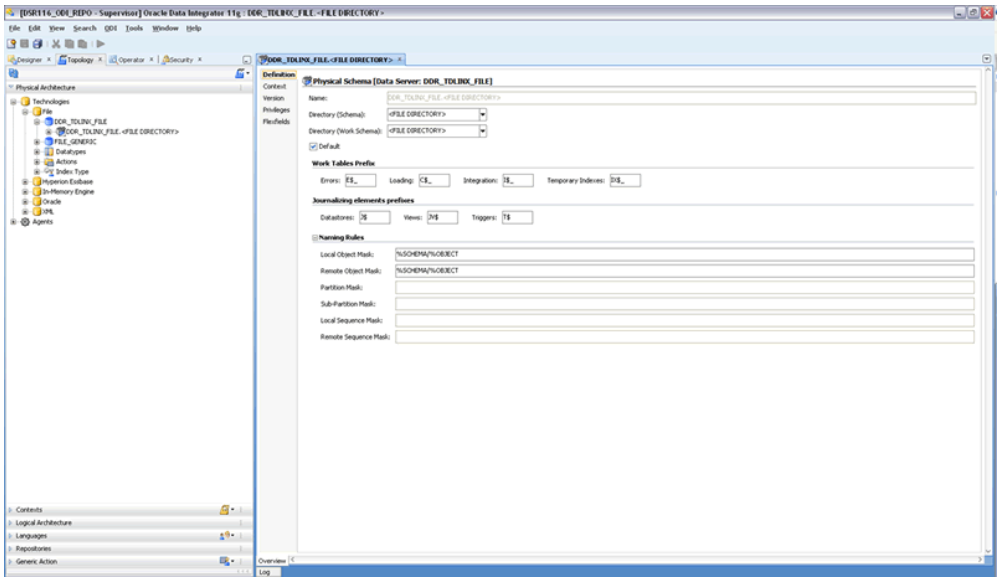
Configuring TDLINX

Perform the following procedure to configure TDLINX.

1. On the Physical Architecture tab under File, expand the "DDR_TDLINX_FILE" object and open the DDR_TDLINX_FILE.<FILE DIRECTORY> object.

2. On the Definition subtab, change the Directory (Schema) and Directory (Work Schema) to point to the location where the TDLINX file will reside on the server. Only provide the directory path; do not include the file name in the path.

3. Save the changes.

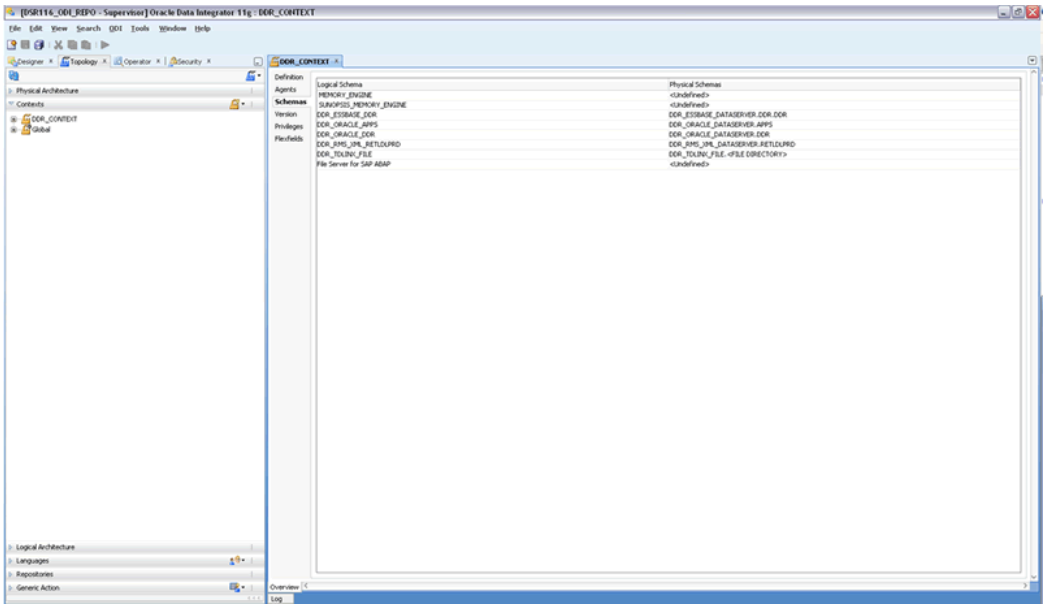


Configuring the Context and Logical Architecture in Topology Manager

Perform the following procedure to configure the context and logical architecture in Topology Manager.

On the Contexts tab, verify the following on the Schemas subtab for the ""DDR_CONTEXT":

- Logical Schema "DDR_ORACLE_APPS" = "DDR_ORACLE_DATASERVER.APPS" Physical Schema
- Logical Schema "DDR_ORACLE_DDR" = "DDR_ORACLE_DATASERVER.DDR" Physical Schema
- Logical Schema "DDR_TDLINX_FILE" = "DDR_TDLINX_FILE.<FILE DIRECTORY> Physical Schema



Executing Scenarios

Perform the following procedure to execute scenarios.

1. Right-click the scenario object and select Execute.
2. Select "DDR_CONTEXT" for the context, you can leave the defaults for the other fields, and click ok.
3. For any execution parameter you wish to change, uncheck the "Last Value" check box, and then enter a new value in the Value box. You must exit this text field for the value to save your change.
4. Click OK.
5. Monitor the execution on the Operator tab.

Setting Up Oracle Business Intelligence Enterprise Edition (OBIEE)

This section provides the following instructions:

- Setting Up the Oracle Business Intelligence Enterprise Edition Server
- Setting Up the Oracle Business Intelligence Enterprise Edition Presentation Services
- Configuring the Oracle Business Intelligence Enterprise Edition Infrastructure

Setting Up the Oracle Business Intelligence Enterprise Edition Server

Files ddrpd.zip and ddrwebcat.zip contain the following files for use with the Oracle Business Intelligence Suite Enterprise Edition 11.1.1.6:

- DSR_Reports.rpd - This is the Oracle Demand Signal Repository product repository file; this file is contained in ddrrpd.zip.
- DSR_Reports - This directory is the Oracle Demand Signal Repository product Web catalog; this file is contained in ddrwebcat.zip.

1. Copy these ZIP files (ddrrpd.zip, ddrwebcat.zip) from the obiee (APPL_TOP/ddr/patch/115/obiee) directory.
2. Unzip ddrrpd.zip to display DSR_Reports.rpd.
3. Open the DSR_Reports.rpd file in Oracle Business Administration Tool using Administrator1 as the password.
4. In the physical layer, change the username/password for the database connection in DDR connection Pool.
5. Add entry for the database in the correct TNSNAMES.ora file.

Setting Up the Oracle Business Intelligence Enterprise Edition Presentation Services

Perform the following procedure to set up the Oracle Business Intelligence Enterprise Edition Presentation Services.

1. Change the directory to the catalog directory for the Oracle Business Intelligence Enterprise Edition Presentation server. Typically $OBIEE_HOME/instances/instance1/bifoundation/OracleBIPresentationServicesComponent/coreapplication_obips1.
2. Rename or delete the existing catalog directory.
3. Unzip ddrwebcat.zip to get DSR_Reports catalog directory.

Configuring the Oracle Business Intelligence Enterprise Edition Infrastructure

Perform the following procedure to configure the Oracle Business Intelligence Enterprise Edition Infrastructure.

1. Open the Enterprise Manager. The default URL is http://localhost:7001/em.
2. Expand the Business Intelligence Node and select the application setup in the obiee installation. The default is coreapplication.

3. Open the Deployment Tab and then select the Repository subtab.

4. Click the Lock and Edit Configuration button.

5. In the Upload BI Server Repository section, click the browse button.

6. Select the DSR_Reports.rpd that you configured with the Administrator tool to connect to your database.

7. Enter Administrator1 in both password fields.

8. In the BI Presentation Catalog section, edit the path to include the DSR_Reports directory that was created by unzipping the ddrwebcat.zip.

   The path appears similar to the example below:

   $ORACLE_INSTANCE/bifoundation/OracleBIPresentationServicesComponent/$COMPONENT_NAME/catalog/DSR_Reports

9. Click the Apply button.

10. Click the Activate Changes button.

11. Click the Restart Services to Activate Changes button. The Overview tab appears.

12. On the Overview tab, click the Restart button to restart the services to complete the configuration.

Setting Up Oracle Business Intelligence Enterprise Translations

Perform this setup only if you are planning to use translated OBIEE UI. This process uses the "transx" utility that is part of the Oracle DB install.

1. Configure Transx using the instructions provided in the links below:

   - http://docs.oracle.com/cd/E11882_01/appdev.112/e23582/adx_j_transx.htm#ADXDK1200

   - http://docs.oracle.com/cd/E11882_01/appdev.112/e23582/adx_j_gs.htm#CHDDHEIJ

   The OBIEE translated files are shipped under APPL_TOP/ddr/patch/115/obiee directory and are named as ddr_obiee_<language id>.zip. For example, ddr_obiee_fr.zip.

2. Unzip the language ZIP file to be used to a local drive (for example c:\ drive). The DLF files are extracted into the C:\ddr\OracleBI\Repository directory.

3. Import the files into the DB by executing the following transx command:

   ```
   transx "hostname:port:sid" username password filename
   ```

   For example, to load the Spanish translation version you use the following:

   ```
   c:\transx rws60147rems:1524:mz1dv220 apps apps ddr_es.dlf
   ```

4. Verify that the seed data is uploaded correctly in DDR_TRANSLATED_MESSAGE by using the following query:

   ```
   SELECT Count(*)
   FROM DDR_TRANSLATED_MESSAGE
   GROUP BY lang_id='<language id>'
   ```

5. Copy the file sharedcaptions.xml from ddr\OracleBIData\l_<language id>\ into $OBIEE_HOME\instances/obieedb/bifoundation/OracleBIPresentationServicesComponent/coreapplication_obips1/msgdb/l_<language id>\captions. If the directory "l_<language id> is not there, first create subdirectory l_<language id>\captions under $OBIEE_HOME\instances/obieedb/bifoundation/OracleBIPresentationServicesComponent/coreapplication_obips1/msgdb directory.

6. Restart the BI servers to verify the translation.

7. To use the translated UI, select an appropriate language and then enter user id/password when you log in to Presentation Service.

Setting Up the Exception Management Dashboard Feature

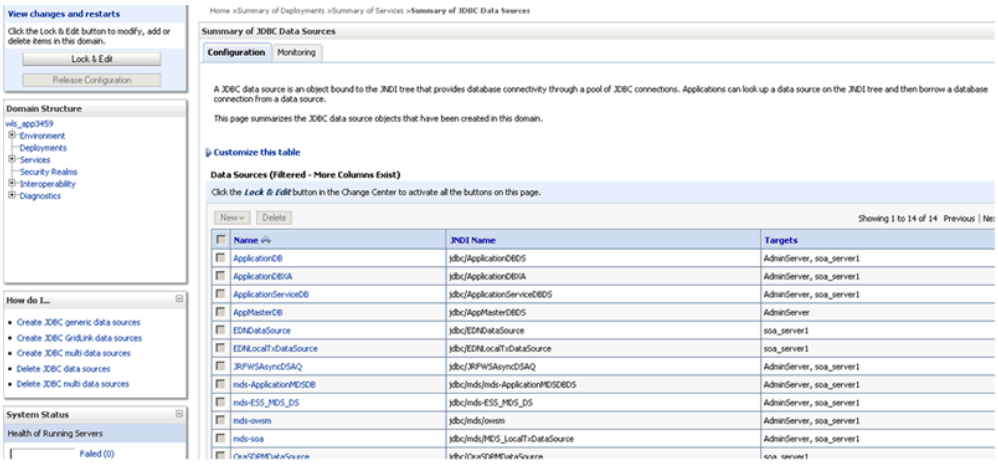
Perform the set up described in this section only if you plan to use the exception management dashboard feature. Setup steps assume the use of bundled WebLogic server.

1. Get the following EAR file:

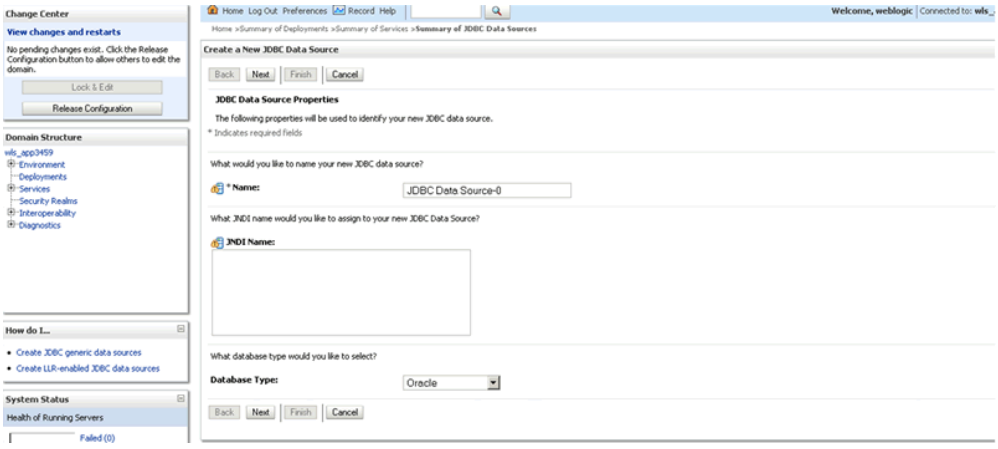
   APPL_TOP/ddr/patch/115/ear/DDRExceptionHandler.ear

2. Log in to Admin Console.

3. After logging in, navigate to Services > Data Sources.



4. Click Lock & Edit and New > Generic Data Source.

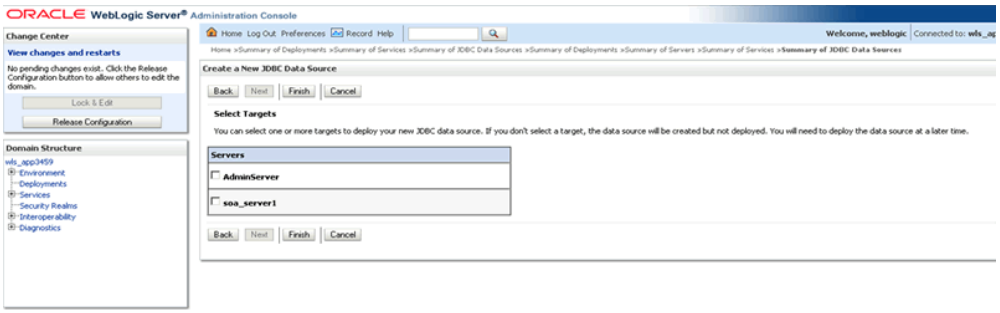


5. Enter the following information:

   - Name: DDRDS
   - JNDI Name: jdbc/DDRDS

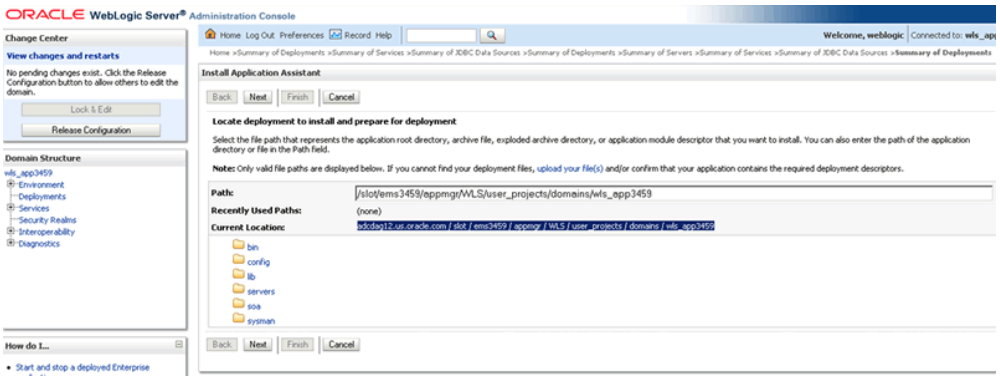
   Enter the other connection details.

6. Select the targets for this connection.



7. Click Finish to create the connection, and then click the Activate Changes button.

8. Navigate to Deployments > Install.



9. Next, either pick up the EAR file from the server file location, or if you have saved the EAR file in your local, click "Upload your file" and choose the EAR file.

10. Assign the Targeting style of "Install as an Application" and choose the target server to deploy. A default name appears.

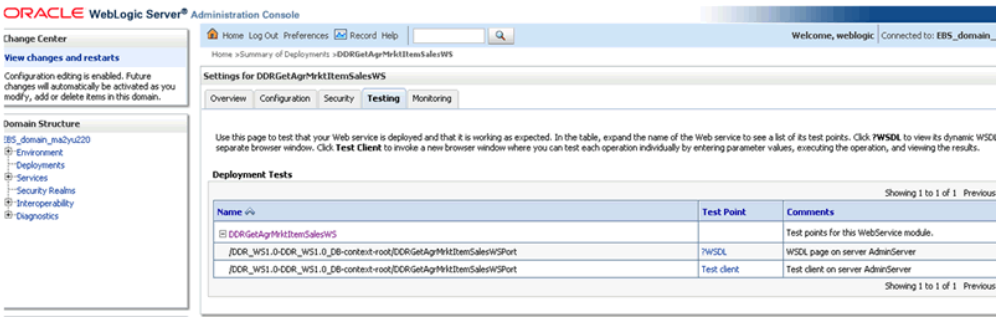
11. Click Finish.

12. Click Activate Changes.

13. Expand the deployed app and click the Web Service Name.

14. In this settings page, click the expand icon next to the Web Service Name.

15. Right-click on the WSDL link and copy it. This is required in the next step.



Configuring a Web Service in OBIEE

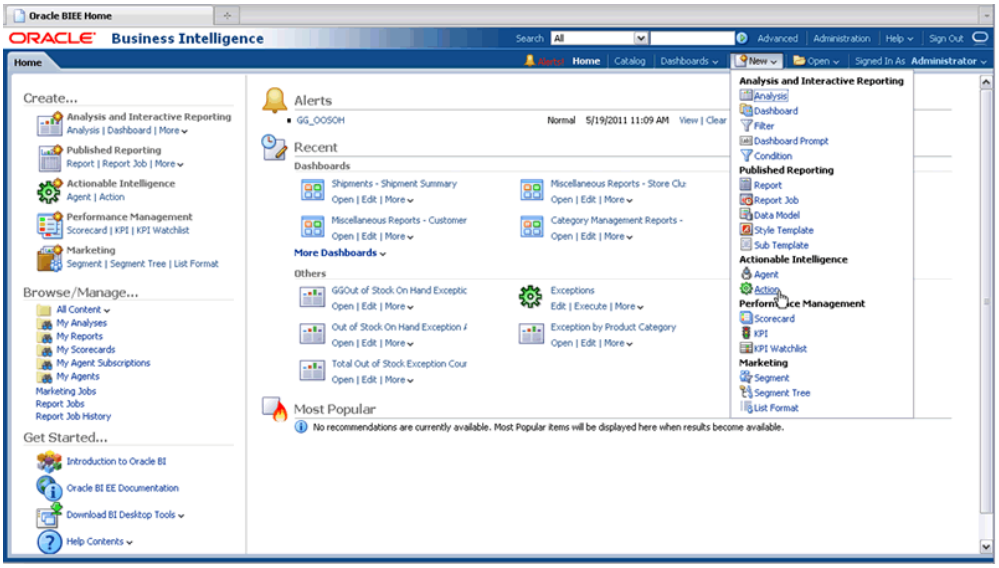
This section contains information on the followings procedures:

- Adding an action
- Adding a new agent

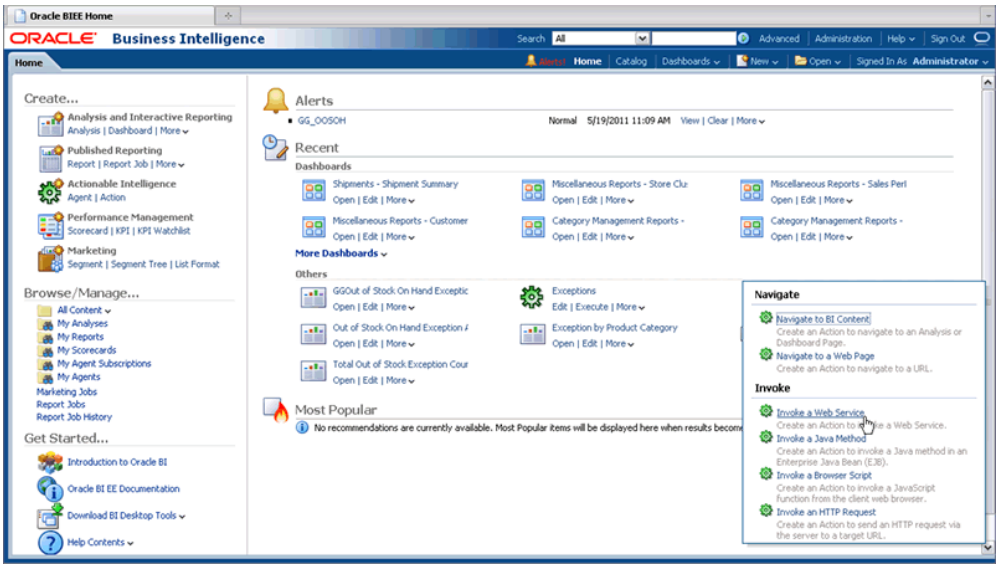
Adding an Action

Perform the following to add an action.

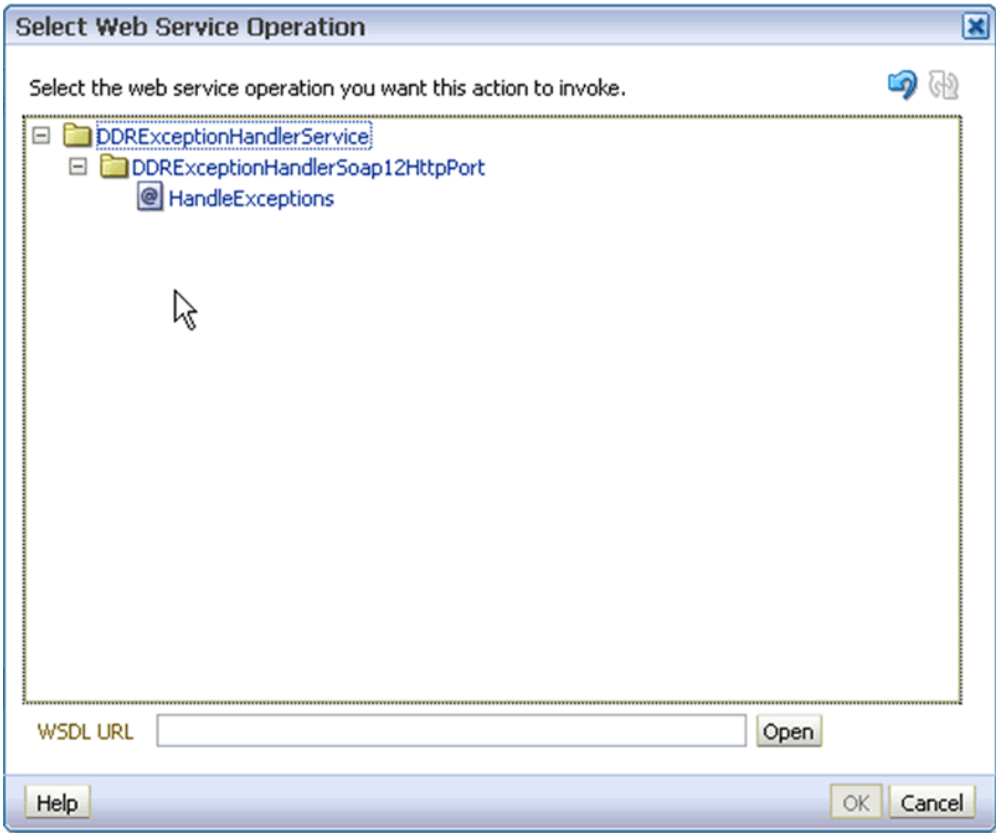
1. Select the New button and click Action.



2. Select Invoke a Web Service.

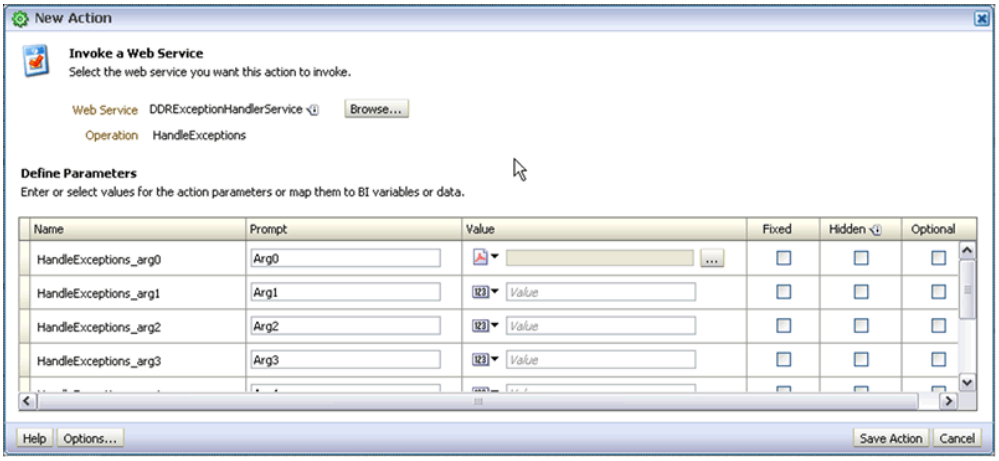


The Web Service Operation dialog appears



3. Paste WSDL link copied from the last step of "Setting Up the Exception Management Dashboard Feature", select the HandleExceptions, and click OK.

   The parameter configuration screen appears.



4. Enter the following Prompt values:

- Arg0 = Report
- Arg1 = Exception Type
- Arg2 = Exception Source Code
- Arg3 = Date Offset
- Arg4 = User

  Select Session Variable and Enter USER. Select Hidden and Fixed options.
- Arg5 = Debug On

  Select Hidden and Fixed options.
- Arg6 = Debug File Location

  Select Hidden and Fixed options.
- Arg7 = Debug Log Level

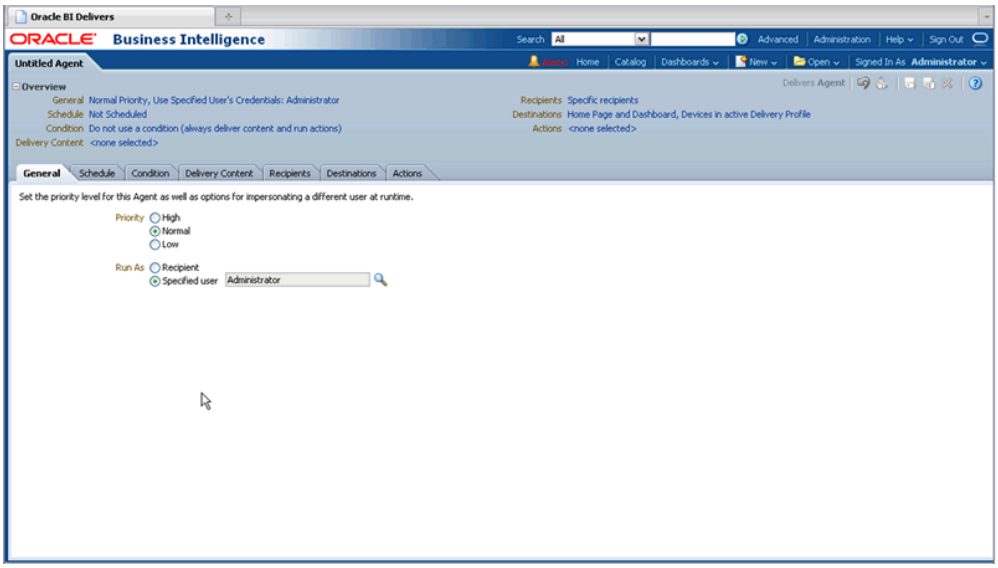
  Select Hidden and Fixed options.

5. Click Save Action, and select the location and Name for the action

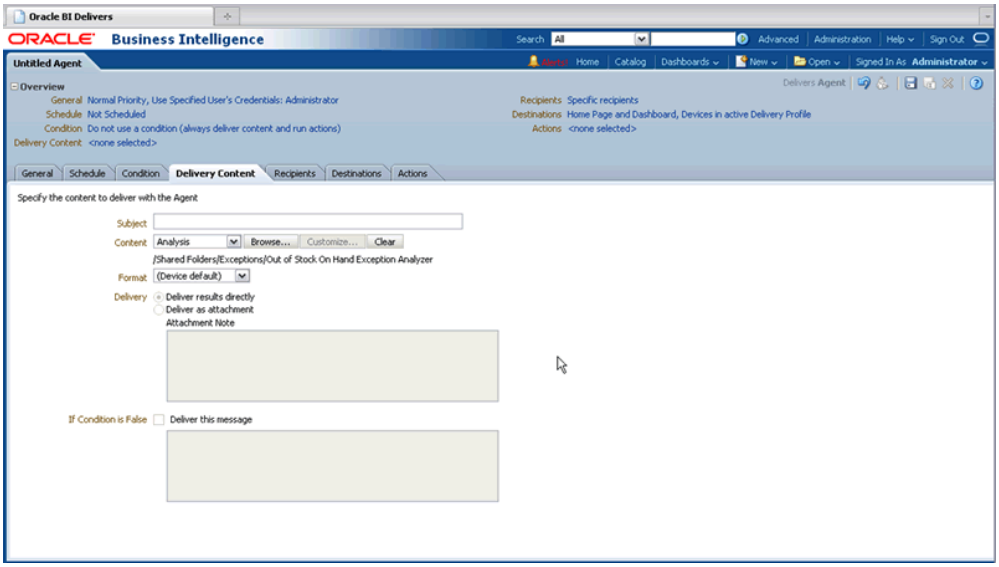
Adding a New Agent

Perform the following procedure to add a new agent.

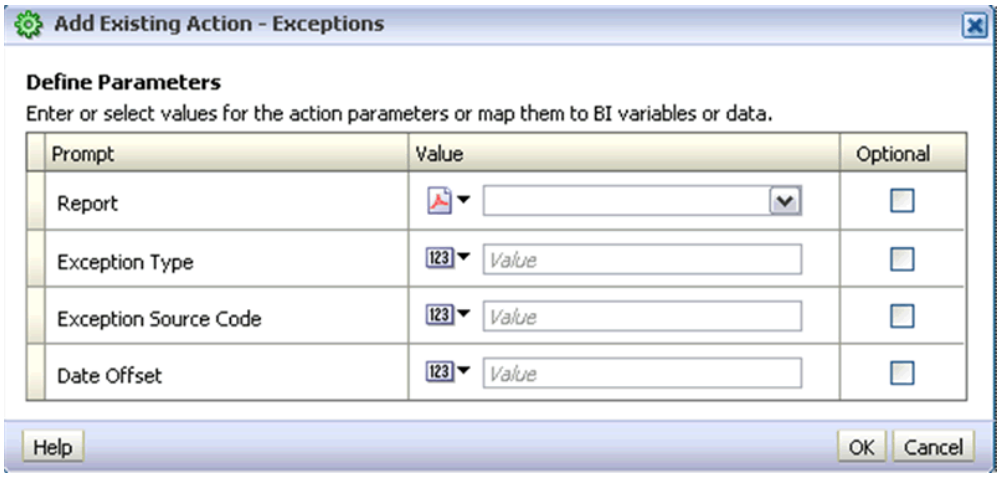
1. Select the New button and click Agent.



2. Navigate to the Delivery Content tab and select the Analysis (Report) that the Agent will run.

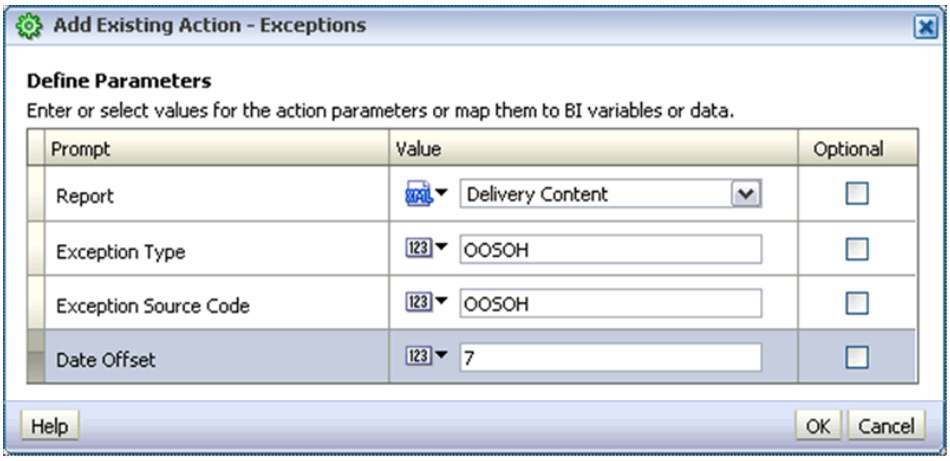


3. On the Actions tab, in the Agent Condition True or No Condition Exists box, select the Add existing action button, and select the action you just added to configure it for this agent.



4. Enter the following values:

   - Report - Select XML from drop down and select Delivery Content.
   - Exception Type - Select the Exception type that you are running with this agent.
   - Exception Source Code - Select the Exception source code that you are running with this agent.
   - Date Offset - Select or enter number of days to go back and delete previous Exceptions.



5. Click OK and save the agent.

Setting Up Web Services

Demand Signal Repository provides a set of Web services that can be optionally

deployed. Implementers can use these Web services to automate their processes or perform integration with third party systems.

The following procedure assume you are using the bundled WebLogic server.

1. Get the following EAR file:

   APPL_TOP/ddr/patch/115/ear/ddrwsfal.ear

2. Log in to Admin Console.

3. After logging in, navigate to Services > Data Sources.

4. Click Lock & Edit, and select New > Generic Data Source.

5. Enter the following:

   - Name: DDRDS
   - JNDI Name: jdbc/DDRDS

   Enter other connection details.

6. Select the targets for this connection.

7. Click Finish to create the connection, and then click the Activate Changes button.

8. Navigate to Deployments > Install.

9. Next, either pick up the EAR file from the server file location, or if you have saved the EAR file in your local, click "Upload your file" and choose the EAR file.

10. Select "Install as an Application" as the targeting style, and choose the target server to deploy. A default name appears.

11. Click Finish.

12. Click the Activate Changes button.

Setting Up Demand Signal Repository - Demantra Integration

If you want to use Oracle Demantra Release 7.2 with DSR, apply the script msddemcrwf3.sql to create the series, integration profiles and workflows required for the integration.

The SQL file is not executed during patch application. It must be applied manually.

The SQL file location is: $MSD_TOP/patch/115/sql/msddemcrwf3.sql.

Case 1: DSR (APS) and Demantra are on the same database instance.

1. Make sure that the profile 'MSD_DEM: Schema' is set to the correct Demantra Schema name.

2. Make sure the Demantra installation is not in use for any activity.

3. Apply the SQL File msddemcrwf3.sql in the APPS schema.

4. Restart the Demantra Application Web Server.

5. Create a synonym named 'BIIO_DSR_SALES_DATA' in the APPS schema of the instance where DSR is installed.

   This synonym should point to the table 'BIIO_DSR_SALES_DATA' in the Demantra Schema. For example, if the Demantra schema name is 'DMTRA_TEMPLATE', then create the synonym by running the following command in the APPS schema:

   ```
   CREATE OR REPLACE SYNONYM BIIO_DSR_SALES_DATA FOR DMTRA_TEMPLATE.
   BIIO_DSR_SALES_DATA
   ```

Case 2: Demantra is on separate database instance.

1. Create the package MSD_DEM_DEMANTRA_UTILITIES in the Demantra schema by applying the following files:

   - $MSD_TOP/patch/115/sql/msddemdus.pls - Package Specification
   - $MSD_TOP/patch/115/sql/msddemdub.pls - Package Body

2. Make sure the Demantra installation is not in use for any activity.

3. Apply the SQL File msddemcrwf3.sql in the Demantra schema.

4. Restart the Demantra Application Web Server.

5. Create a synonym named 'BIIO_DSR_SALES_DATA' in the APPS schema of the instance where DSR is installed. This synonym should point to the table 'BIIO_DSR_SALES_DATA' in the Demantra Schema.

Setting up Demand Signal Repository - Retail Merchandise System (RMS) Integration

Follow instructions in this section only if you are planning to implement Demand Signal Repository integration with Retail Merchandising System (RMS).

Copy the DSR RMS Integration XML Files to a Temporary Folder

This topic provides information about copying ODI files and the class and DTD files.

Copying ODI Files

Copy the DSR RMS Integration ODI XML files from the APPL_TOP of your environment to a folder that will be used to import the ODI objects. This folder must be accessible from the ODI client you plan to use to perform the import.

DSR RMS Integration ODI XML files are in the following APPL_TOP folders:

- ddr/patch/115/odi/US/master
- ddr/patch/115/odi/US/model
- ddr/patch/115/odi/US/project/DDR_RMS

Copying Class and DTD Files

Copy the ddrrms.zip file from the APPL_TOP of your environment to a temporary folder and unzip. Location of this zip is ddr/patch/115/odi/US/project/DDR_RMS

The following files are extracted:

- DLPRDFileToXmlConverter.class
- RETLDLPRD.dtd

Using ODI Objects in the RMS Integration

The following ODI objects are used in the RMS integration:

- Topology Objects - These objects are exported from the Topology Manager.
  - CONN_DDR_RMS_XML_DATASERVER.xml - Establishes the physical connection to the .dtd file for the XML format.
  - LSC_DDR_RMS_XML_RETLDLPRD.xml - Establishes the logical connection for the XML file which ties the physical connection and the context together.
- Designer Objects - These objects have scenarios generated then exported from the Designer.
  - FOLD_RETL_to_DSR.xml
  - KM_CKM_Oracle.xml
  - KM_IKM_SQL_Control_Append.xml
  - KM_LKM_SQL_to_Oracle.xml
  - VAR_V_DDR_RETL_CLASS_DIR.xml
  - VAR_V_DDR_RETL_FAILED_DIR.xml

- VAR_V_DDR_RETL_FM_ADDR.xml
- VAR_V_DDR_RETL_MAIL_SERVER.xml
- VAR_V_DDR_RETL_ORG_CD.xml
- VAR_V_DDR_RETL_SRC_DIR.xml
- VAR_V_DDR_RETL_SRC_FILENAME.xml
- VAR_V_DDR_RETL_SUCCESS_DIR.xml
- VAR_V_DDR_RETL_TO_ADDR.xml

Configuring the User Parameters in DSR Lookups

Configure the following parameters in the DSR Lookup table DDR_R_LKUP_MST.

DDR_R_LKUP_MST Table

The parameters specified below in the LKUP_CD column need to be configured and set up by the user. Sample values appear in the table below.

MFG_ORG_CD	LKUP_TYP_CD	LKUP_CD	LKUP_NAME	LKUP_DESC
-1	SYS_PARAM	RETL_DSR_SRC_DIR	ODI_HOME/retldsr/source	The directory where the RMS EDIDLPRD File should be kept for upload to DSR.
-1	SYS_PARAM	RETL_DSR_SRC_FILENAME	EDIDLPRD.dat	The RMS EDIDLPRD File name that needs to be loaded into Oracle DSR.
-1	SYS_PARAM	RETL_DSR_SUCCESS_DIR	ODI_HOME/retldsr/sucess	The directory where the RMS EDIDLPRD file should be moved after the successful upload.

MFG_ORG_CD	LKUP_TYP_CD	LKUP_CD	LKUP_NAME	LKUP_DESC
-1	SYS_PARAM	RETL_DSR_FAILED_DIR	ODI_HOME/retldsr/failed	The directory where the RMS EDIDLPRD File should be moved after the upload fails.
-1	SYS_PARAM	RETL_DSR_TO_ADDR	nimit.mankodi@oracle.com	The admin e-mail address where the error or success notification should be sent.
-1	SYS_PARAM	RETL_DSR_FM_ADDR	retl-dsr@integrator.com	The Integrator admin e-mail from which the error or success notification should be sent.
-1	SYS_PARAM	RETL_DSR_MAIL_SERVER	Mail.oracle.com	Mail Server that will send the ODI email notifications.
-1	SYS_PARAM	RETL_DSR_CLASS_DIR	ODI_HOME/retldsr/source	The directory where the DLPRDFileToXMLConverter.class File is located.

Creating the Directories Defined in the DDR_R_LKUP_MST Table

Create the directories that were defined to be the source, success, and failure directories.

Copying the Class and DTD Files

Perform the following procedure to copy the class and DTD files to the appropriate folders.

1. Copy the class file DLPRDFileToXMLConverter.class from the folder where the ZIP

file was originally downloaded to the directory specified in the DDR_R_LKUP_MST table.

2. Copy the DTD file RETLDLPRD.dtd from the folder where the ZIP file was downloaded to the source directory specified in the DDR_R_LKUP_MST table.

Importing the DSR - RMS Project Objects in the ODI Designer

This section provides procedures for importing DSR - RMS project objects using ODI Designer.

Import the DSR - RMS Project Objects in the ODI Designer

Import all XML files with prefixes of FOLD_% from the ODI Studio.

Importing the Folders

1. Select the Designer tab.
2. From the Connect Manager button, select Import > Smart Import.
3. In the file selection box, click the search button and navigate to the folder where the XML files from ddr/patch/115/odi/US/project/DDR_RMS were downloaded and select the file to import in the list above.

   Leave the response file empty.
4. Click Next.
5. Accept all defaults on the Import Actions screen and click Next.
6. On the Summary screen, click Finish to import the object.
7. Verify that the folders were imported correctly.

Import all XML files with the prefix of KM_%. from the ODI Studio

Importing the Knowledge Modules

1. Select the Designer tab.
2. From the Connect Manager button select Import >Smart Import.
3. In the file selection box, click the search button and navigate to the folder where the XML files from ddr/patch/115/odi/US/project/DDR_RMS were downloaded and select the file to import in the list above.

   Leave the response file empty.
4. Click Next.

5. Accept all defaults on the Import Actions screen and click Next.
6. On the Summary screen, click Finish to import the object.
7. Verify that the knowledge modules were imported correctly.

Import all XML files with the prefix of VAR_% from the ODI Studio.

Importing the Variables

1. Select the Designer tab.
2. From the Connect Manager button select Import >Smart Import.
3. In the file selection box, click the search button and navigate to the folder where the XML files from ddr/patch/115/odi/US/project/DDR_RMS were downloaded and select the file to import in the list above.

   Leave the response file empty.
4. Click Next.
5. Accept all defaults on the Import Actions screen and click Next.
6. On the Summary screen, click Finish to import the object.
7. Verify that the Variables were imported correctly.

Importing the Topology Objects

Import the topology objects in the following order:

1. LSC_DDR_RMS_XML_RETLDLPRD.xml
2. CONN_DDR_RMS_XML_DATASERVER.xml

Perform the following procedures from the ODI Studio.

1. Select the Topology tab.
2. From the Connect Manager button select Import >Smart Import.
3. In the file selection box, click the search button and navigate to the folder where the XML files from ddr/patch/115/odi/US/master were downloaded and select the file to import in the order above.

   Leave the response file empty.
4. Click Next.
5. Accept all defaults on the Import Actions screen, and click Next.

6. On the Summary screen, click Finish to import the object.

7. Verify that all the objects were imported correctly.

Configuring the Physical Architecture in Topology Manager

Use the following procedure to configure the RMS XML Dataserver.

Configuring the RMS XML Datasever

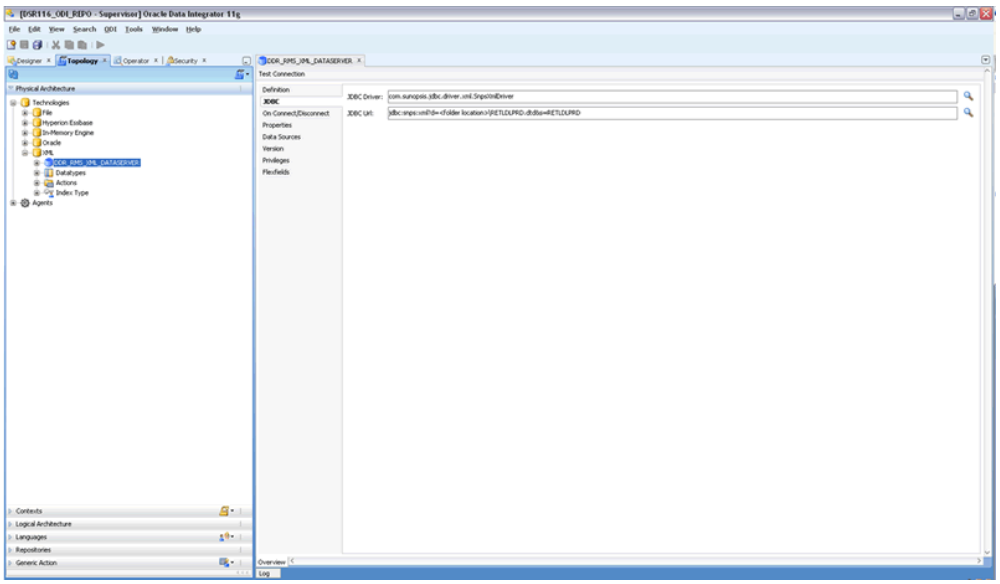
1. On the Physical Architecture tab under XML, open the "DDR_RMS_XML_DATASERVER" object.

2. On the JDBC subtab, change the JDBC URL to point to the file RETLDLPRD.dtd in the source directory created.

3. Save your changes.

4. Click Test Connection and make sure the connection is successful.

   Example: jdbc:snps:xml?d=\\server\rms\source\RETLDLPRD.dtd&s=RETLDLPRD



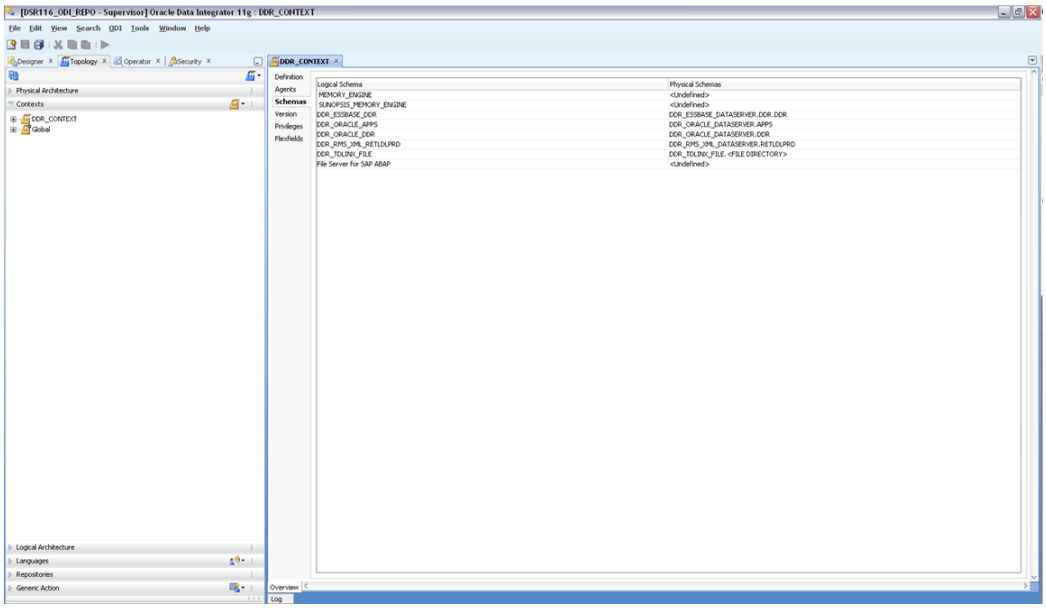
Configuring the Context and Logical Architecture in Topology Manager

Use the following procedure to configure the context and logical architecture for a DSR-RMS integration in the Topology Manager.

On the Contexts tab, verify the Schemas tab for the "DDR_CONTEXT".

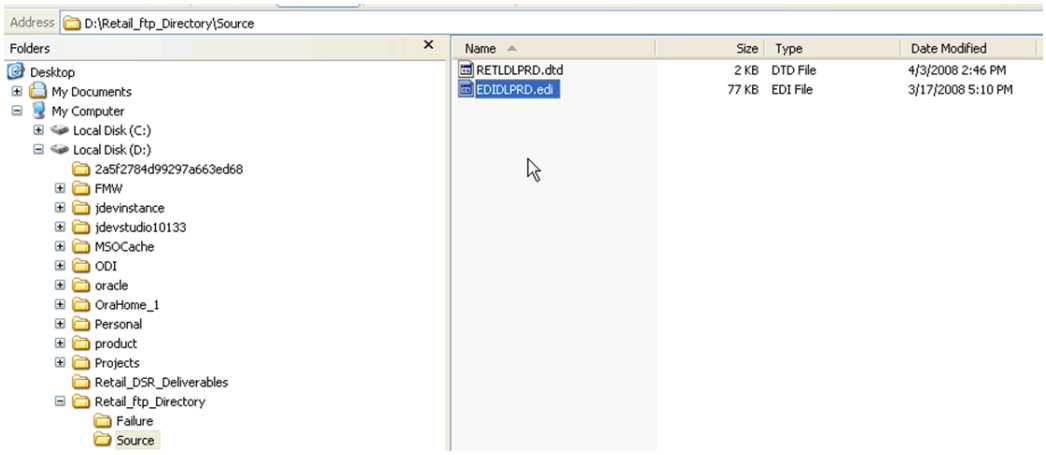
Logical Schema "DDR_RMS_XML_RETLDLPRD" = "DDR_RMS_XML_DATASERVER.

RETLDLPRD" Physical Schema



Copying the EDIDLPRD.dat File

Copy the EDIDLPRD.dat file to the location as specified in RETL_DSR_SRC_DIR lookup.



Executing the Scenario

Perform the following procedure to execute the scenario for a DSR-RMS integration.

1. Right-click the LOAD_RETL_ITEMS_TO_DSR_PKG object from the Operator on the Scenario tab and select Execute.

2. Uncheck the "Last Value" check box and then enter a value for RTL_ORG_CD in the Value box. You must exit this text field for the value to be saved.

3. Click OK.

4. Select the Sessions List tab to check the status of the execution.

8

Rapid Planning

This chapter covers the following topics:

- Rapid Planning Installation

Rapid Planning Installation

For information on Rapid Planning installation, refer to the following documentation:

- *Oracle Rapid Planning Installation Guide*
- Oracle Rapid Planning Release Notes on My Oracle Support

9

Other Useful Information

This chapter covers the following topics:

- Troubleshooting

Troubleshooting

This section contains information that may be helpful when installing or troubleshooting Value Chain Planning.

Issue	Description
11g RDBMS Bug	Customers using 11g DB, "glibc error" appears when launching collection. Apply RDBMS patch 7330434 to resolve this issue.
11g RDBMS Bug	Customers using 11g database on their source instance may experience Drop materialized view statement error ORA-00060 when profile "MSC: Source Setup Required" is set to "Yes". Customers are recommended to apply RDBMS patch 7175822 to resolve this issue.

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