## Contents

**Send Us Your Comments**

**Preface**

### 1 Oracle Value Chain Planning Installation

- About this Document........................................................................................................... 1-1
- Before Applying the Feature Pack....................................................................................... 1-2
- Product-Specific Installation Tasks...................................................................................... 1-3
- Post Installation Tasks.......................................................................................................... 1-3
- Oracle Value Chain Planning - Oracle Transportation Management (OTM) Integration..... 1-4

### 2 Advanced Planning Command Center

- Setting Up Advanced Planning Command Center Reports and Dashboards...................... 2-1
- Configuring Single Sign-on.................................................................................................... 2-9
- Troubleshooting.................................................................................................................... 2-11
- Using WebCenter for APCC................................................................................................. 2-12

### 3 Advanced Supply Chain Planning

- Performing Pre-Configuration Setup.................................................................................... 3-1
- Performing Configuration ....................................................................................................... 3-2
- Upgrading ASCP.................................................................................................................. 3-26
- Troubleshooting.................................................................................................................. 3-28

### 4 Production Scheduling

- Standalone, Non-Integrated Production Scheduling Installations........................................ 4-1
- Production Scheduling Implementation.................................................................................. 4-1
5 Strategic Network Optimization

Standalone, Non-Integrated Strategic Network Optimization Installations........................................ 5-1
Strategic Network Optimization Integration......................................................................................... 5-1
Mandatory Prerequisite Patches for Oracle Process Manufacturing (OPM) Users.................. 5-1
Post Installation................................................................................................................................. 5-2
Post Installation Settings.................................................................................................................... 5-2
Special Instructions............................................................................................................................. 5-3

6 Service Parts Planning

Service Parts Planning Installation Updates....................................................................................... 6-1

7 Demand Signal Repository

Demand Signal Repository (DSR) Implementation........................................................................... 7-2
Prerequisites........................................................................................................................................ 7-2
Setting Up Oracle Data Integrator (ODI)............................................................................................. 7-2
Configuring the Physical Architecture in Topology Manager......................................................... 7-5
Configuring the Context and Logical Architecture in Topology Manager.................................... 7-7
Executing Scenarios........................................................................................................................... 7-8
Setting Up Oracle Business Intelligence Enterprise Edition (OBIEE).............................................. 7-8
Setting Up Oracle Business Intelligence Enterprise Translations..................................................... 7-10
Setting Up the Exception Management Dashboard Feature.......................................................... 7-11
Configuring a Web Service in OBIEE.................................................................................................. 7-14
Setting Up Web Services.................................................................................................................... 7-19
Setting Up Demand Signal Repository - Demantra Integration....................................................... 7-20
Setting up Demand Signal Repository - Retail Merchandise System (RMS) Integration.............. 7-21
Configuring the User Parameters in DSR Lookups........................................................................... 7-23
Creating the Directories Defined in the DDR_R_LKUP_MST Table.................................................... 7-24
Copying the Class and DTD Files........................................................................................................ 7-24
Importing the DSR - RMS Project Objects in the ODI Designer...................................................... 7-25
Configuring the Physical Architecture in Topology Manager......................................................... 7-27
Configuring the Context and Logical Architecture in Topology Manager..................................... 7-27
Copying the EDIDLPRD.dat File......................................................................................................... 7-28
Executing the Scenario....................................................................................................................... 7-28
8 Rapid Planning

Rapid Planning Installation .................................................................................................................. 8-1

9 Other Useful Information

Troubleshooting ...................................................................................................................................... 9-1

Index
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?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

Note: Before sending us your comments, you might like to check that you have the latest version of the document and if any concerns are already addressed. To do this, access the new Oracle E-Business Suite Release Online Documentation CD available on My Oracle Support and www.oracle.com. It contains the most current Documentation Library plus all documents revised or released recently.

Send your comments to us using the electronic mail address: appsdoc_us@oracle.com

Please give your name, address, electronic mail address, and telephone number (optional).

If you need assistance with Oracle software, then please contact your support representative or Oracle Support Services.

If you require training or instruction in using Oracle software, then please contact your Oracle local office and inquire about our Oracle University offerings. A list of Oracle offices is available on our Web site at www.oracle.com.
Preface

Intended Audience


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

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

Structure

1 Oracle Value Chain Planning Installation
2 Advanced Planning Command Center
3 Advanced Supply Chain Planning
4 Production Scheduling
5 Strategic Network Optimization
6 Service Parts Planning
7 Demand Signal Repository
8 Rapid Planning
9 Other Useful Information
Related Information Sources

Open Source Disclosure

The Advanced Planning applications have embedded within them a variety of third party software components, each of which has its own copyright and licensing terms. The Advanced Planning applications containing third party components from the development organizations identified below are identified in the parenthetical following the name of the organization.

Apache Software Foundation

Copyright (c) 2000 The Apache Software Foundation. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

3. The end-user documentation included with the redistribution, if any, must include the following acknowledgment:

   "This product includes software developed by the Apache Software Foundation (http://www.apache.org/)."

   Alternately, this acknowledgment may appear in the software itself, if and wherever such third-party acknowledgments normally appear.

4. The names "Apache" and "Apache Software Foundation" must not be used to endorse or promote products derived from this software without prior written permission. For written permission, please contact apache@apache.org.

Products derived from this software may not be called "Apache", nor may "Apache" appear in their name, without prior written permission of the Apache Software Foundation.

THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE APACHE SOFTWARE FOUNDATION OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

This software consists of voluntary contributions made by many individuals on behalf of the Apache Software Foundation. For more information on the Apache Software Foundation, please see <http://www.apache.org/>.

Portions of this software are based upon public domain software originally written at the National Center for Supercomputing Applications, University of Illinois, Urbana-Champaign.

ptmalloc

Copyright (c) 1999 Wolfram Gloger

Permission to use, copy, modify, distribute, and sell this software and its documentation for any purpose is hereby granted without fee, provided that (i) the above copyright notices and this permission notice appear in all copies of the software and related documentation, and (ii) the name of Wolfram Gloger may not be used in any advertising or publicity relating to the software.

THE SOFTWARE IS PROVIDED "AS IS" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL WOLFRAM GLOGER BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Sleepycat Software

Copyright (c) 1990, 1993, 1994 The Regents of the University of California. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

- All advertising materials mentioning features or use of this software must display the following acknowledgement:

  This product includes software developed by the University of California, Berkeley and its contributors.
Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Tool Command Language (TCL)

This software is copyrighted by the Regents of the University of California, Sun Microsystems, Inc., Scriptics Corporation, ActiveState Corporation and other parties. The following terms apply to all files associated with the software unless explicitly disclaimed in individual files.

The authors hereby grant permission to use, copy, modify, distribute, and license this software and its documentation for any purpose, provided that existing copyright notices are retained in all copies and that this notice is included verbatim in any distributions. No written agreement, license, or royalty fee is required for any of the authorized uses. Modifications to this software may be copyrighted by their authors and need not follow the licensing terms described here, provided that the new terms are clearly indicated on the first page of each file where they apply.

IN NO EVENT SHALL THE AUTHORS OR DISTRIBUTORS BE LIABLE TO ANY PARTY FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS SOFTWARE, ITS DOCUMENTATION, OR ANY DERIVATIVES THEREOF, EVEN IF THE AUTHORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

THE AUTHORS AND DISTRIBUTORS SPECIFICALLY DISCLAIM ANY WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THIS SOFTWARE IS PROVIDED ON AN "AS IS" BASIS, AND THE AUTHORS AND DISTRIBUTORS HAVE NO OBLIGATION TO PROVIDE MAINTENANCE, SUPPORT, UPDATES, ENHANCEMENTS, OR MODIFICATIONS.

GOVERNMENT USE: If you are acquiring this software on behalf of the U.S. government, the Government shall have only "Restricted Rights" in the software and related documentation as defined in the Federal Acquisition Regulations (FARs) in Clause 52.227.19 (c) (2). If you are acquiring the software on behalf of the Department of Defense, the software shall be classified as "Commercial Computer Software" and the
Government shall have only "Restricted Rights" as defined in Clause 252.227-7013 (c) (1) of DFARs. Notwithstanding the foregoing, the authors grant the U.S. Government and others acting in its behalf permission to use and distribute the software in accordance with the terms specified in this license.

**Independent JPEG Group**

This product includes software developed by the Independent JPEG Group. Copyright (c) 1991-1998 The authors make NO WARRANTY or representation, either express or implied, with respect to this software, its quality, accuracy, merchantability, or fitness for a particular purpose. This software is provided "AS IS", and you, its user, assume the entire risk as to its quality and accuracy.

**Henry Spencer’s Regular Expression Library (REGEX)**

This product includes software developed by Henry Spencer. Copyright (c) 1992, 1993, 1994, 1997 This software is not subject to any license of the American Telephone and Telegraph Company or of the Regents of the University of California. Permission is granted to anyone to use this software for any purpose on any computer system, and to alter it and redistribute it, subject to the following restrictions:

- The author is not responsible for the consequences of use of this software, no matter how awful, even if they arise from flaws in it.

- The origin of this software must not be misrepresented, either by explicit claim or by omission. Since few users ever read sources, credits must appear in the documentation.

- Altered versions must be plainly marked as such, and must not be misrepresented as being the original software. Since few users ever read sources, credits must appear in the documentation.

- This notice may not be removed or altered.

**XBAE**

Copyright (c) 1991, 1992 Bell Communications Research, Inc. (Bellcore)

Copyright (c) 1995-99 Andrew Lister

All Rights Reserved.

Permission to use, copy, modify and distribute this material for any purpose and without fee is hereby granted, provided that the above copyright notices and this permission notice appear in all copies, and that the name of any author not be used in advertising or publicity pertaining to this material without the specific, prior written permission of an authorized representative of Bellcore and current maintainer.

BELLCORE AND OTHER CONTRIBUTORS MAKE NO REPRESENTATIONS AND EXTEND NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE INFORMATION, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR
PURPOSE, AND THE WARRANTY AGAINST INFRINGEMENT OF PATENTS OR OTHER INTELLECTUAL PROPERTY RIGHTS. THE SOFTWARE IS PROVIDED "AS IS", AND IN NO EVENT SHALL ANY AUTHOR OR ANY OF THEIR AFFILIATES BE LIABLE FOR ANY DAMAGES, INCLUDING ANY LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES RELATING TO THE INFORMATION.

Oracle

Oracle takes no responsibility for its use or distribution of any open source or shareware software or documentation and disclaims any and all liability or damages resulting from use of said software or documentation.

Integration Repository

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 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.

You can navigate to the Oracle Integration Repository through Oracle E-Business Suite Integrated SOA Gateway.

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.
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

Create the $APPLCSF/out Subdirectory

If you set "AppsLog Distribution = product" during release 12.2 installation process, manually create the $APPLCSF/out subdirectory.

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.
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 provides information on setting up Advanced Planning Command Center (APCC) reports and dashboards.

Installation Prerequisites

Before performing Advanced Planning Command Center Planning (APCC) installation and setup procedures in this document, verify the following application prerequisites:

- If you are planning to integrate Oracle Business Intelligence Enterprise Edition (OBIEE) with Oracle E-Business Suite (EBS) using Single Sign-on (SSO), make sure your EBS and OBIEE servers are in the same domain and use the same security protocol.

- Oracle Business Intelligence Enterprise Edition 11 (OBIEE 11.1.1.7.0) must be installed. APCC is certified with OBIEE 11.1.1.7.0. Refer to My Oracle Support, Document 1542578.1, OBIEE 11.1.1.7.0 is Available for BI Enterprise, for information on applying patch set updates.

- Copy mscrpd.zip and mscwebcat.zip files, which will be placed in $MSC_TOP/patch/115/obiee directory, to a temporary directory.

- Refer to Using WebCenter for APCC, page 2-12 for WebCenter and SOA BPEL flows.
Configuring the tnsnames.ora File

Configure the tnsnames.ora file 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 the following 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.

Sample File Format:

```
<addressname>=(DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)HOST=<hostname>)(PORT=<port>))(CONNECT_DATA=(SID=<sid>)))
```

Example:

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

Configuring and Deploying RPD and Webcat Files

Performing the procedure below to configure and deploy RPD and Webcat files.

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

The table below provides the names of the available language files.

<table>
<thead>
<tr>
<th>File Name</th>
<th>Language</th>
<th>File Name</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>apcc-obiee-ar.zip</td>
<td>Arabic</td>
<td>apcc-obiee-ko.zip</td>
<td>Korean</td>
</tr>
<tr>
<td>apcc-obiee-cs.zip</td>
<td>Czech</td>
<td>apcc-obiee-nl.zip</td>
<td>Dutch</td>
</tr>
<tr>
<td>apcc-obiee-da.zip</td>
<td>Danish</td>
<td>apcc-obiee-no.zip</td>
<td>Norwegian</td>
</tr>
<tr>
<td>apcc-obiee-de.zip</td>
<td>German</td>
<td>apcc-obiee-pl.zip</td>
<td>Polish</td>
</tr>
<tr>
<td>File Name</td>
<td>Language</td>
<td>File Name</td>
<td>Language</td>
</tr>
<tr>
<td>-----------------</td>
<td>----------</td>
<td>-----------------</td>
<td>----------------</td>
</tr>
<tr>
<td>apcc-obiee-el.zip</td>
<td>Greek</td>
<td>apcc-obiee-pt.zip</td>
<td>Portuguese</td>
</tr>
<tr>
<td>apcc-obiee-en.zip</td>
<td>English</td>
<td>apcc-obiee-pt_BR.zip</td>
<td>Brazilian Portuguese</td>
</tr>
<tr>
<td>apcc-obiee-es_ES.zip</td>
<td>Spanish</td>
<td>apcc-obiee-ro.zip</td>
<td>Romanian</td>
</tr>
<tr>
<td>apcc-obiee-fi.zip</td>
<td>Finnish</td>
<td>apcc-obiee-ru.zip</td>
<td>Russian</td>
</tr>
<tr>
<td>apcc-obiee-fr.zip</td>
<td>French</td>
<td>apcc-obiee-sk.zip</td>
<td>Slovak</td>
</tr>
<tr>
<td>apcc-obiee-he.zip</td>
<td>Hebrew</td>
<td>apcc-obiee-sv.zip</td>
<td>Swedish</td>
</tr>
<tr>
<td>apcc-obiee-hr.zip</td>
<td>Croatian</td>
<td>apcc-obiee-th.zip</td>
<td>Thai</td>
</tr>
<tr>
<td>apcc-obiee-hu.zip</td>
<td>Hungarian</td>
<td>apcc-obiee-tr.zip</td>
<td>Turkish</td>
</tr>
<tr>
<td>apcc-obiee-it.zip</td>
<td>Italian</td>
<td>apcc-obiee-zh_CN.zip</td>
<td>Simplified Chinese</td>
</tr>
<tr>
<td>apcc-obiee-ja.zip</td>
<td>Japanese</td>
<td>apcc-obiee-zh_TW.zip</td>
<td>Traditional Chinese</td>
</tr>
</tbody>
</table>

2. Unzip mscwebcat.zip to OBIEE server ORACLE_INSTANCE
   /bifoundation/OracleBIPresentationServicesComponent/coreapplication_obips1/.

3. Unzip mscrpd.zip and place the AdvancedPlanning.rpd file in a temporary location.

4. Open Fusion Middleware control using following URL:
   http://hostname.domain:port/em
   1. Log in with WebLogic user and password.
   2. In left tree structure, select Business Intelligence > coreapplication > Overview tab.
   3. Click Stop. All services are stopped.

5. Open Fusion Middleware control using following URL:
   http://hostname.domain:port/em
   1. Log in with WebLogic user and password.
2. In left tree structure, select **Business Intelligence > coreapplication > Deployment tab > Repository tab.**

3. In Presentation Service Repository, verify the absolute path for the PlanningAnalytics directory.
   
   **Example:**
   
   `<CatalogPath>/slot/ems1395/fmw/instances/instance1/bifoundation/OracleBIPresentationServicesComponent/coreapplication_obips1/catalog/PlanningAnalytics</CatalogPath>`

4. If the path needs to be changed, then click **Lock & Edit Configuration** at top of page. Change catalog path, click **Apply**, and then click **Activate Changes** at the top of the page.

6. Open **AdvancedPlanning.rpd** in the Oracle Business Administration Tool (from Windows client), and change the database connection information in MSC_Conn, MSC_INIT_Conn under Planning Analytics in the Physical.
   
   If you are setting up a Single Sign-On environment (most common setup), perform the following:
   
   1. Enable Connection Scripts for MSC_Conn and MSC_INIT_Conn.
   
   2. Set the translations initialization variables as follows:
      
      • Navigate to **Manage > Variables > Session > Initialization Blocks.**
      
      • Enable **Manage Translation** and **Set Translation.**
      
      • Disable **Set Translations without SSO.**
   
   3. Save changes.

   If you are not setting up a Single Sign-On environment, perform the following:
   
   1. Disable Connection Scripts for MSC_Conn and MSC_INIT_Conn.
   
   2. Set the translations initialization variables as follows:
      
      • Navigate to **Manage > Variables > Session > Initialization Blocks.**
      
      • Disable **Manage Translation** and **Set Translation.**
      
      • Enable **Set Translations without SSO.**
   
   3. Save changes.

7. Open Fusion Middleware control using following URL:
http://hostname.domain:port/em

1. Log in with WebLogic user and password.

2. In left tree structure, select Business Intelligence > coreapplication > Deployment tab > Repository tab.

3. Navigate to upload BI Server Repository section.

4. Use the Browse button to select AdvancedPlanning.rpd from temporary location.

5. Enter password.

6. Click Apply.

7. Click Activate Changes at top of page.

8. Perform the following procedure to refresh GUIDs.

   This information is also available from the following URL:
   http://download.oracle.com/docs/cd/E14571_01/bi.1111/e10543/privileges.htm#BIESC721

   If you change the directory server used as the identity store for the authentication provider, then you must refresh the user GUIDs as described below. If you do not refresh the GUIDs and the same user name exists in both directory servers (original and new), then the original user GUID might conflict with the user GUID contained in new directory server, resulting in authentication errors.

   To Refresh the User GUIDs:

   This task requires that you manually edit the configuration files to instruct the Oracle BI Server and Oracle BI Presentation Server to refresh the GUIDs on restart. Once completed, you will edit these files again to remove the modification. For information about where to locate Oracle Business Intelligence configuration files, see "Where Configuration Files are Located" in Oracle Fusion Middleware System Administrator’s Guide for Oracle Business Intelligence Enterprise Edition.

   1. Update the FMW_UPDATE_ROLE_AND_USER_REF_GUIDS parameter in the file NQSConfig.ini:

      1. Open the file NQSConfig.ini located at:

         ORACLE_INSTANCE/config/OracleBIServerComponent/coreapplication_obisn

      2. Locate the FMW_UPDATE_ROLE_AND_USER_REF_GUIDS parameter and set it to YES, as shown below.
FMW_UPDATE_ROLE_AND_USER_REF_GUIDS = YES;

3. Save and close the file.

2. Update the Catalog element in the file instanceconfig.xml.
   1. Open the file instanceconfig.xml located at `ORACLE_INSTANCE/config/OracleBIPresentationServicesComponent/coreapplication_obipsn`
   2. Locate the Catalog element and add UpdateAccountGUIDs line as shown below:
      
      ```xml
      <Catalog>
      <UpdateAndExit>false</UpgradeAndExit>
      <UpdateAccountGUIDs>UpdateAndExit</UpdateAccountGUIDs>
      </Catalog>
      ```
   3. Save and close the file.

3. In the Enterprise Manager Overview tab, click **Start** to start all services.

4. Set the `FMW_UPDATE_ROLE_AND_USER_REF_GUIDS` in the file NQSConfig.ini back to NO.

   **Important:** You must perform this step to ensure that your system is secure.

5. Update the Catalog element in instanceconfig.xml to remove the `<UpdateAccountGUIDs>` entry.

6. In the Enterprise Manager Overview tab, click **Restart** to restart all services.

9. Unzip the language file, such as apcc-obiee-ja.zip, to temp directory. This generates the apcc directory.

10. Make sure your environment setting is correct to use the TransX utility.

    The following link provides more information about Java technologies, tips for developing in the Java programming language, and various ways you can leverage the Java platform.

    http://www.oracle.com/technetwork/topics/newtojava/documentation/index.html

    You can perform the following option from your database machine with XDK installed or Windows client.

    **Option #1 (from database):**

    1. Set `ORACLE_HOME` to the database `ORACLE_HOME`.
2. Set CLASSPATH and export as mentioned below:

```
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 as mentioned below:

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

4. Set JAVA_HOME and export as mentioned below:

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

Option #2 (from Windows client):


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 will be different due to different installation path.

    Make sure that all jar files mentioned are located in appropriate directories, otherwise you will receive errors while running the TransX utility.

    Make sure that the path values are on one line so that all the directories referenced will be added to environment variable properly.

11. Use TransX to upload the dlf file such as apcc_ja.dlf in apcc\OracleBI\repository directory by providing username/password and DB connection SID.

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

    **Example:**

    ```
    transx "rws60147rems:1524:mz1dv220" apps apps d:\apcc\OracleBI\repository\apcc_ja.dlf
    ```

12. Verify the seeding data is uploaded correctly in MSC_TRANSLATED_MESSAGE using the following query:

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

13. SKIP THIS STEP FOR ENGLISH. Copy the files sopcaptions.xml, sppcaptions.xml, scacaptions.xml and scrmcaptions.xml from your temp directory into ORACLE_HOME

    \instances\instance1\bifoundation\OracleBI\PresentationServicesComponent\core application_obips1\msgdb\l_ja\captions on OBIEE machine if the directory has been created; if directory has not been created, create first subdirectory l_ja\captions under coreapplication_obips1\msgdb directory.

    **Note:** Make sure the captions folder uses a lower case "c".

    Also, inside the XML files, make sure the text tag is all upper case <TEXT>. If it is not (for example, it appears as <Text>), then replace all occurrences to upper case <TEXT>.

14. Restart OBIEE services.

    1. Open Fusion Middleware control using following URL:

        ```
        http://hostname.domain:port/em
        ```
2. Log in with WebLogic user and password.

3. In left tree structure, select **Business Intelligence > coreapplication > Overview** tab.

4. Click **Restart** to restart all services.

**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 "FND: Oracle Business Intelligence Suite EE base URL" profile. 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 using Fusion Middleware control.
   1. Open Fusion Middleware control using following URL format:
      
      http://hostname.domain:port/em
   
   2. Log in with WebLogic user and password.

   3. In left tree structure select **Business Intelligence > coreapplication > Overview** tab.

   4. Click **Stop**.

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 11g Release 1 (11.1.1) in the link below:

http://fmwdocs.us.oracle.com/doclibs/fmw/E15295_01/bi.1111/e16364/ebs_actions.htm

Example:

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:
   
   `<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 step 13 of Section 5.1, "Creating a Database Object and Connection Pool for the Oracle E-Business Suite Database [http://fmwdocs.us.oracle.com/doclibs/fmw/E15295_01/bi.1111/e16364/ebs_actions.htm#CJAGCIEC#CJAGCIEC]" 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 file.

   For more information, refer to "Updating instanceconfig.xml [http://fmwdocs.us.oracle.com/doclibs/fmw/E15295_01/bi.1111/e16364/ebs_actions.htm#CIHGHEFE]" from the Oracle Fusion Middleware Integrator’s Guide for Oracle Business Intelligence Enterprise Edition 11g Release 1 (11.1.1).

5. Start all OBIEE services.

   1. Open Fusion Middleware control using following URL:

      http://hostname.domain:port/em

   2. Log in with WebLogic user and password.

   3. In left tree structure, select Business Intelligence > coreapplication > Overview tab.

   4. Click Start to start all services.

**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\oraclesql.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 2-12.
2. Deploy and configure the BPM Tasklist, page 2-14.
3. Deploy and configure the group space Template, page 2-17.
4. Deploy and configure the application links [Optional], page 2-19.
5. Deploy and configure the SOA BPEL flows, page 2-23.

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 tags: serverURL 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/
   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**


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**

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**

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.

6. Click the **Manage Group Spaces and Group Space Templates**. Manage Group Spaces opens.

7. Click the **Templates** subtab. The Manage Group Space Templates window opens.

8. Click the **Import** option. The Import Archive Name window opens.

9. 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.

10. Log in to the WebCenter Spaces URL.

11. Click **Group Spaces**.

12. Click **Create Group Space**.

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

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

15. Click **Group Space Name** tab.

16. Navigate to **Setting > Custom Attributes**.
17. Select custom attribute FND_OBIEE_URL.

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

19. Enter your OBIEE URL.
   
   **Example:**
   
   http://adc60069fems.us.oracle.com:9799/

20. Click **OK**.

21. Select custom attribute APPS_SERVLET_AGENT.

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

23. Enter Apps Servlet URL.
   
   **Example:**
   
   http://rws60147rems.us.oracle.com:8034/OA_HTML

24. Click **OK**.

25. Select custom attribute MSC_SCN_SERVICE_ENDPOINT.

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

27. Enter the BPM Worklist URL.
   
   **Example:**
   
   http://rws60018rems.us.oracle.com:8880

28. Click **OK**.

29. 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.

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

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

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

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

34. 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.


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=W
  C&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=W
     C&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
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=W C&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=W C&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, refer to My Oracle Support Document 1070257.1.

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

<table>
<thead>
<tr>
<th>Number / Owner</th>
<th>System Profile Name</th>
<th>User Profile Name</th>
<th>Valid Values / Set To</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MSC_WC_ENA BLED</td>
<td>MSC: APCC Webcenter Enabled</td>
<td>Yes/No</td>
<td>-</td>
</tr>
<tr>
<td>2</td>
<td>MSC_WC_SPA CES_MEMBER ROLE</td>
<td>MSC: APCC Webcenter Spaces Member Role</td>
<td>Viewer Or Participant</td>
<td>Members added to the webcenter group space can be either viewers or participants.</td>
</tr>
<tr>
<td>3</td>
<td>MSC_WC_SPA CES_TEMPLAT E</td>
<td>MSC: APCC Webcenter Group Space Template</td>
<td>Webcenter Group Space Template Name</td>
<td>Example Basic</td>
</tr>
<tr>
<td>4</td>
<td>MSC_WC_SPA CES_RECIPIENT TKEYALIAS</td>
<td>MSC: APCC Webcenter Spaces Recipient Key Alias</td>
<td>Recipient Key Alias</td>
<td>Example Producer</td>
</tr>
<tr>
<td>Number / Owner</td>
<td>System Profile Name</td>
<td>User Profile Name</td>
<td>Valid Values / Set To</td>
<td>Comments</td>
</tr>
<tr>
<td>---------------</td>
<td>--------------------------</td>
<td>------------------------------</td>
<td>-----------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>5</td>
<td>MSC_WC_SPA</td>
<td>MSC: APCC</td>
<td>Saml issuer name of Webcenter</td>
<td>Example wwww.oracle.com</td>
</tr>
<tr>
<td></td>
<td>CES_SAMLISS USERNAME</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>MSC_WC_SPA</td>
<td>MSC: APCC</td>
<td>Webcenter Spaces managed server Port</td>
<td>Example 8877</td>
</tr>
<tr>
<td></td>
<td>CES_PORT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>MSC_WC_URL</td>
<td>MSC: APCC</td>
<td>Webcenter URL</td>
<td>Example <a href="http://rws60">http://rws60</a> 018rems.us.oracle.com/webcenter/wcAuthentication/?login=true &amp;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.</td>
</tr>
<tr>
<td>8</td>
<td>MSC_SCN_SERVICE_ENDPOINT</td>
<td>MSC: BPEL End Point URI</td>
<td>WebLogic Soa server url</td>
<td>Example <a href="http://rws60">http://rws60</a> 212resm.us.oracle.com:88 80 8880 is the soa_server1 port number.</td>
</tr>
<tr>
<td>9</td>
<td>MSC_SCN_BPEL_DOMAIN</td>
<td>MSC: BPEL</td>
<td>soa-infra</td>
<td>For example, soa-infra.</td>
</tr>
<tr>
<td>Number / Owner</td>
<td>System Profile Name</td>
<td>User Profile Name</td>
<td>Valid Values / Set To</td>
<td>Comments</td>
</tr>
<tr>
<td>---------------</td>
<td>-----------------------</td>
<td>-------------------</td>
<td>-----------------------</td>
<td>----------</td>
</tr>
</tbody>
</table>
| 10            | MSC_WS_WEB LOGIC_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_WEB LOGIC_PASSORD | MSC: APCC WebLogic Password | Oracle BPM worklist admin password. | Example: welcome1 |
| 12            | MSC_WC_WEB LOGIC_USERNAME | MSC: APCC WebLogic Console Username | WebLogic admin user | Example: weblogic
|               |                       |                   |                       | This user should be the admin user for Weblogic. |
| 13            | MSC_WC_WEB LOGIC_PASSORD | 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:
   ```bash
cd $FND_TOP/patch/115/bin;
```

3. Compile and flush as follows:
   ```bash
   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.
Advanced Supply Chain Planning

This chapter covers the following topics:

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

Performing Pre-Configuration Setup

This section describes pre-configuration requirements for Oracle ASCP Usability enhancements. The tasks mentioned below need to be completed after applying the patch and before starting the installation.

1. Ensure that WebLogic 11gR1 (WebLogic Server 10.3.6 with ADF 11.1.1.6.0 libraries) is installed.

2. Following profiles should be set up in EBS at site level (the EBS instance which the data source points to):

   User Profile Name: MSC: ASCP Planning URL
   <Internal Profile Name>: MSC_ASCP_WEBLOGIC_URL
   
   **Example:**
   
   http://domain_name:port_number

   **Note:** The port number provided in the profile value should be same as the port number for the ASCP domain, managed server that is defined in Creating the ASCP Managed Server, page 3-11.

   **Example:**
   
   http://rws60144rems.us.oracle.com:6087
3. After applying the patch, copy $MSC_TOP/patch/115/ear/PlanningUIEar.zip file from the EBS server to a directory on the WebLogic server.

4. Create a folder named "applications" on the host machine where WebLogic is installed. This folder is referenced only as "applications" in this document.

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

5. Copy the ZIP file to the folder applications.


   The .ear files will be selected from this location during deployment.

   For information on configuration and deployment, refer to the following:
   - Creating the JDBC Data Source, page 3-15
   - Deploying and Starting the Planning Application, page 3-23

Performing Configuration

This section includes information about the following ASCP configuration tasks:

1. Creating the ASCP Domain and Admin Server, page 3-2

2. Creating the ASCP Managed Server, page 3-11

3. Creating the JDBC Data Source, page 3-15

4. Setting Up MDS Repository, page 3-21

5. Starting the Admin Server and Managed Server, page 3-23

6. Deploying and Starting the Planning Application, page 3-23

Creating the ASCP Domain and Admin Server

Note: If you currently have a working WebLogic Server (WLS) and domain, this step is optional. You can proceed to Creating the ASCP Managed Server, page 3-11.

Install WebLogic Server (WLS) 10.3.6, and configure the domain with the Oracle JRF option.
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 **JRockit SDK 1.6.0_05**.

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.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Enter the name of the admin server.</td>
</tr>
<tr>
<td>Listen address</td>
<td>The admin server listen port address. Leave default option of All Local Addresses.</td>
</tr>
<tr>
<td>Listen port</td>
<td>Enter the server listen port number. Check the availability of the number before entering a value.</td>
</tr>
<tr>
<td>SSL listen port</td>
<td>Enter the SSL listen port number. Check the availability of the number before entering a value.</td>
</tr>
</tbody>
</table>

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:**
   
   ```sh
   $ 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:

   ```sh
   $ 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.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server Name</td>
<td>Enter the name of the ASCP managed server (for example, ASCPManagedServer).</td>
</tr>
</tbody>
</table>
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 Manager (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:
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 Manager (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_projec
ts/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 3-11.

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.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Enter the name of the JDBC data source (for example, ApplicationDB).</td>
</tr>
<tr>
<td>JNDI Name</td>
<td>Enter the name you want to assign to your new JDBC Data Source (for example, jdbc/ApplicationDBDS).</td>
</tr>
</tbody>
</table>

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.

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

   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 3-23.

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.
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 3-23.

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 3-23 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 3-23.

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 3-23 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.

<table>
<thead>
<tr>
<th>Issue</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The PlanningUI deployment does not appear in Active state.</td>
<td>Please stop and delete the deployment. Follow steps in Redeploying the Planning Application, page 3-26.</td>
</tr>
<tr>
<td>Deployment errors indicate ADF related error or libraries missing.</td>
<td>Ensure that the managed server was created in a domain which is JRF enabled.</td>
</tr>
<tr>
<td>Issue</td>
<td>Solution</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>---------------------------------------------------------</td>
</tr>
<tr>
<td>An error occurs while running applyJRF from command line wlst.sh.</td>
<td>Type help('all') and make sure applyJRF is available.</td>
</tr>
<tr>
<td></td>
<td>Use the following:</td>
</tr>
<tr>
<td></td>
<td>$MIDDLEWARE_HOME\oracle_common\common\bin\wlst.sh</td>
</tr>
</tbody>
</table>
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 file 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 3.7 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".
- 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/viscomm/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.
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)
Post Installation

In release 12.2, there are two file 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.
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.
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
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
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. 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.

3. Click OK.


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 ddrrpdp.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 ddrrpdp.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.


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.


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

   ```sql
   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:

   ```sql
   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
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.

<table>
<thead>
<tr>
<th>MFG_ORG_CD</th>
<th>LKUP_TYP_CD</th>
<th>LKUP_CD</th>
<th>LKUP_NAME</th>
<th>LKUP_DESC</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1</td>
<td>SYS_PARAM</td>
<td>RETL_DSR_SRC_DIR</td>
<td>ODI_HOME/retldsr/source</td>
<td>The directory where the RMS EDIDLPRD File should be kept for upload to DSR.</td>
</tr>
<tr>
<td>-1</td>
<td>SYS_PARAM</td>
<td>RETL_DSR_SRC_FILENAME</td>
<td>EDIDLPRD.dat</td>
<td>The RMS EDIDLPRD File name that needs to be loaded into Oracle DSR.</td>
</tr>
<tr>
<td>-1</td>
<td>SYS_PARAM</td>
<td>RETL_DSR_SUCCESS_DIR</td>
<td>ODI_HOME/retldsrsuccess</td>
<td>The directory where the RMS EDIDLPRD file should be moved after the successful upload.</td>
</tr>
<tr>
<td>MFG_ORG_CD</td>
<td>LKUP_TYP_CD</td>
<td>LKUP_CD</td>
<td>LKUP_NAME</td>
<td>LKUP_DESC</td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
<td>---------------</td>
<td>------------------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>-1</td>
<td>SYS_PARAM</td>
<td>RETL_DSR_FAILED_DIR</td>
<td>ODI_HOME/retl dsr/failed</td>
<td>The directory where the RMS EDIDLPRD File should be moved after the upload fails.</td>
</tr>
<tr>
<td>-1</td>
<td>SYS_PARAM</td>
<td>RETL_DSR_TO_ADDR</td>
<td><a href="mailto:nimit.mankodi@oracle.com">nimit.mankodi@oracle.com</a></td>
<td>The admin e-mail address where the error or success notification should be sent.</td>
</tr>
<tr>
<td>-1</td>
<td>SYS_PARAM</td>
<td>RETL_DSR_FM_ADDR</td>
<td><a href="mailto:retl-dsr@integrator.com">retl-dsr@integrator.com</a></td>
<td>The Integrator admin e-mail from which the error or success notification should be sent.</td>
</tr>
<tr>
<td>-1</td>
<td>SYS_PARAM</td>
<td>RETL_DSR_MAIL_SERVER</td>
<td>Mail.oracle.com</td>
<td>Mail Server that will send the ODI email notifications.</td>
</tr>
<tr>
<td>-1</td>
<td>SYS_PARAM</td>
<td>RETL_DSR_CLAS_DIR</td>
<td>ODI_HOME/retl dsr/source</td>
<td>The directory where the DLPRDFileToXMLConverter.class File is located.</td>
</tr>
</tbody>
</table>

**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 RETLDDLPRD.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_RETLDDLPRD.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 Dataserver**

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.
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
This chapter covers the following topics:

- Troubleshooting

**Troubleshooting**

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

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11g RDBMS Bug</td>
<td>Customers using 11g DB, &quot;glibc error&quot; appears when launching collection. Apply RDBMS patch 7330434 to resolve this issue.</td>
</tr>
<tr>
<td>11g RDBMS Bug</td>
<td>Customers using 11g database on their source instance may experience Drop materialized view statement error ORA-00060 when profile &quot;MSC: Source Setup Required&quot; is set to &quot;Yes&quot;. Customers are recommended to apply RDBMS patch 7175822 to resolve this issue.</td>
</tr>
</tbody>
</table>
A

Advanced Planning Command Center (APCC)
configuring and deploying rpd and webcat file, 2-2
configuring single sign-on (SSO), 2-9
setting up reports and dashboards, 2-1
troubleshooting, 2-11
using Webcenter for APCC, 2-12
using WebCenter for APCC
configuring WebCenter, 2-12
prerequisites, 2-12

Advanced Supply Chain Planning (ASCP)
performing configuration, 3-2
performing pre-configuration setup, 3-1
troubleshooting, 3-28
upgrading, 3-26

B

before applying the feature pack, 1-2

C

configuring the physical architecture in topology manager with Demand Signal Repository (DSR), 7-5
case architecture
configure the context and logical architecture in topology manager, 7-7

D

DDR_R_LKUP_MST table

creating directories, 7-24
demand signal repository (DSR)
implementation, 7-2
Demand Signal Repository (DSR)
configuring the physical architecture in topology manager, 7-5
DDR_R_LKUP_MST table, 7-24
demantra integration , 7-20
DSR - RMS project objects, 7-25
EDIDLPRD.dat, 7-28
integration with Retail Merchandise System (RMS), 7-21
prerequisites, 7-2
setting up exception management dashboard, 7-11
Setting Up ODI, 7-2
Demantra
configure the context and logical architecture in topology manager, 7-7
configuring a web service in OBIEE, 7-14
setting up Oracle Business Intelligence Enterprise Edition, 7-8
Demantra
integration with Demand Signal Repository (DSR), 7-20
post installation tasks, 1-3
DSR - RMS project objects
importing, 7-25

E

EDIDLPRD.dat, 7-28
executing scenarios, 7-8
I
installation
  VCP post installation tasks, 1-3
Installation
  Rapid Planning, 8-1

L
logical architecture
  configure the context and logical architecture in topology manager with Demand Signal Repository (DSR), 7-7

O
OBIEE
  configuring a web service in OBIEE for Demand Signal Repository (DSR), 7-14
ODI
  setting up with Demand Signal Repository (DSR), 7-2
Oracle Business Intelligence Enterprise Edition
  setting up with Demand Signal Repository (DSR), 7-8
oracle dataserver
  configuring with Demand Signal Repository (DSR), 7-5
Oracle Process Manufacturing (OPM)
  Strategic Network Optimization (SNO)
    mandatory prerequisite patches for Oracle Process Manufacturing (OPM) users, 5-1
Oracle Value Chain Planning Installation Guide
  about this document, 1-1
  product-specific installation tasks, 1-3
Oracle Value Chain Planning - Oracle Transportation Management (OTM) Integration
  1-4

P
Production Scheduling (PS)
  implementation, 4-1
  mandatory prerequisite patches, 4-1
  post installation, 4-2
  post installation settings
    profile settings, 4-2

server variables settings, 4-2
special instructions, 4-3
standalone, non-integrated Production Scheduling installations, 4-1
project objects
  importing DSR - RMS project objects, 7-25

R
Rapid Planning
  Installation, 8-1

S
scenarios
  executing, 7-8
Service Parts Planning (SPP)
  installation updates, 6-1
  setting up ODI, 7-2
  setting up the exception management dashboard feature, 7-11
Strategic Network Optimization (SNO)
  integration, 5-1
  mandatory prerequisite patches for Oracle Process Manufacturing (OPM) users, 5-1
  post installation, 5-2
  post installation settings
    profile settings, 5-2
    server variables settings, 5-2
  special instructions, 5-3
  standalone, non-integrated Strategic Network Optimization installations, 5-1

T
TDLINX
  configuring, 7-6
tnsnames.ora
  configuring the tnsnames.ora file, 2-2
topology manager
  configure the context and logical architecture in topology manager with Demand Signal Repository (DSR), 7-7
  configuring physical architecture with Demand Signal Repository (DSR), 7-5
troubleshooting
  Advanced Planning Command Center (APCC), 2-11
Troubleshooting, 9-1

W

Webcenter
  using Webcenter for APCC, 2-12
WebCenter
  configuring, 2-12
  prerequisites, 2-12
web service
  adding an action, 7-14
  adding a new agent, 7-17
  configuring a web service in OBIEE for Demand Signal Repository (DSR), 7-14
web services
  setting up, 7-19