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Oracle Banking Platform Installation Guide - Silent Installation, Release 2.6.2.0.0

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Preface

The Oracle Banking Platform Installation Guide - Silent Installation contains information on silent installation and configuration of Oracle Banking Platform software and its associated products.

This preface contains the following topics:

- Audience
- Documentation Accessibility
- Organization of the Guide
- Related Documents
- Conventions

Audience

This guide is primarily meant as a step-by-step installation manual for IT deployment teams and onshore implementations at client locations to install a complete Oracle Banking Platform system in a UNIX based environment.

The reader is expected to have an acquaintance with UNIX platform, Oracle WebLogic server and Oracle Fusion platform firmware such as Oracle JDeveloper, Oracle OID and Oracle SOA Suite.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/us/corporate/accessibility/index.html>.

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/us/corporate/accessibility/support/index.html#info> or visit <http://www.oracle.com/us/corporate/accessibility/support/index.html#trs> if you are hearing impaired.

Organization of the Guide

This document contains:

Chapter 1 About This Guide

This chapter provides details about applicability of this guide.

Chapter 2 Getting Started

This chapter presents an overview of Oracle Banking Platform and the installation guide. It also mentions the assumptions, limitations and exclusions that this document has been based upon.

Chapter 3 Pre-Installation Configuration

This chapter describes the pre-configuration activities that are to be completed successfully for proper installation and functioning of Oracle Banking Platform.

Chapter 4 Oracle Banking Platform SOA Media Pack Installation

This chapter explains the steps involved in the installation, and post installation and configuration of Oracle Banking Platform SOA (Integration Server) Media pack.

Chapter 5 Oracle Banking Platform Host Media Pack Installation

This chapter explains the steps involved in the installation, and post installation and configuration of Oracle Banking Platform Host Media Pack.

Chapter 6 Oracle Banking Platform Presentation Media Pack Installation

This chapter explains the steps involved in the installation, and post installation and configuration of Oracle Banking Platform Presentation (UI) Media Pack.

Chapter 7 Oracle Banking Platform Reference Process Models Media Pack Installation

This chapter explains the steps involved in the installation of Oracle Banking Platform Reference Process Models Media Pack.

Chapter 8 Oracle BAM Installation using OBP SOA Media Pack

This chapter explains the steps involved in the installation of BAM using OBP SOA (Integration Server) Media Pack.

Chapter 9 Standalone Database Setup

This chapter explains the steps involved in Oracle Banking Platform Database which are primarily concerned with importing an existing database dump of the QA database.

Chapter 10 Oracle Banking Platform and IPM Integration

This chapter explains the steps involved in the integration of Oracle Banking Platform and Oracle Imaging and Process Management (IPM).

Chapter 11 OBP and OCH-OSC Integration

This chapter explains the steps required for integration of Oracle Banking Platform with OCH and OSC.

Chapter 12 BIP Datasource Creation

This chapter explains the steps required for Oracle Banking Platform BIP (BI Publisher) datasource creation.

Chapter 13 ODI Configuration

This chapter explains the steps involved in the configuration of ODI using OBP HOST Media Pack.

Chapter 14 Swagger UI Deployment

This chapter explains the steps involved in the deployment of Swagger UI on the UI server.

Chapter 15 Monitoring Servers Using Oracle Enterprise Manager

This chapter explains the steps required to monitor servers using Oracle Enterprise Manager (EM).

Chapter 16 Analytics Configuration

This chapter explains the configuration required to set up analytics

Chapter 17 Post Installation Verification

This chapter explains the steps required to verify the Oracle Banking Platform solution installation.

Chapter 18 Errors and Remedies

This chapter provides information on troubleshooting to help diagnose and remedy some of the problems encountered during installation of the Oracle Banking Platform.

Chapter 19 Uninstalling the Application

This chapter explains the process of uninstalling the Oracle Banking Platform.

Related Documents

For more information, see the following documentation:

- For information necessary for the installation and configuration of integration components to create a complete solution using Oracle Banking Platform and Oracle Documaker, see the installation and configuration guides at http://docs.oracle.com/cd/E22582_01/e22582_01_index.html.
- Information on Oracle Fusion Middleware Install-Config Checklist is available at <http://aseng-wiki.us.oracle.com/asengwiki/display/ASMWArchPM/FMW+Install-Config+Checklist+Page>.
- For a comprehensive overview of security, see the Oracle Banking Security Guide.
- For the complete list of licensed products and the third-party licenses included with the license, see the Oracle Banking Licensing Guide.
- For information related to setting up a bank or a branch, and other operational and administrative functions, see the Oracle Banking Administrator's Guide.
- For information related to customization and extension, see the Oracle Banking Extensibility Guide.
- For information on the functionality and features, see the respective Oracle Banking Functional Overview documents.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

The following acronyms are used in this document:

Acronym	Meaning
ADF	Application Development Framework
ATM	Automated Teller Machine
BAM	Business Activity Monitoring
BIP	Business Intelligence Publisher
BPEL	Business Process Execution Language
DB or db	Oracle Database

Acronym	Meaning
FEPI	Front End Processing Interface
HOST	Middleware Host Tier
IAM	Identity and Access Management
IPM	Imaging and Process Management
LDAP	Lightweight Directory Access Protocol
OAAM	Oracle Adaptive Access Manager
OBEC	Oracle Banking Enterprise Collections
OBEO	Oracle Banking Enterprise Originations
OBEPM	Oracle Banking Enterprise Product Manufacturing
OBP	Oracle Banking Platform
ODI	Oracle Data Integrator
OEL	Oracle Enterprise Linux
OEM	Oracle Enterprise Manager
OID	Oracle Internet Directory
OIM	Oracle Identity Manager
OLTP	Online Transaction Processing
OPSS	Oracle Platform Security Services
OS	Operating System
OSB	Oracle Service Bus
POS	Point Of Sale
RCU	Repository Creation Utility
RPM	Reference Process Model
sh	Unix Shell file
SOA	Service Oriented Architecture Tier
SVN	Source Code Version Repository
UI	User Interface, that is Presentation Tier
VM	Virtual Machine
WLS	WebLogic Server

1 About This Guide

This guide is applicable for the following products:

- Oracle Banking Platform (OBP)
- Oracle Banking Enterprise Product Manufacturing (OBEPM)
- Oracle Banking Enterprise Originations (OBEO)
- Oracle Banking Enterprise Collections (OBEC)

References to Oracle Banking Platform or OBP in this guide apply to all the above mentioned products. The chapters and sections that are not applicable for any of the products are listed in this chapter.

1.1 Section Not Applicable for Oracle Banking Enterprise Product Manufacturing

The following section is not applicable for Oracle Banking Enterprise Product Manufacturing.

- [Chapter 12 BIP Datasource Creation](#)

2 Getting Started

This chapter presents an overview of Oracle Banking Platform and the installation guide. It also mentions the assumptions, limitations and exclusions that this document has been based upon.

2.1 About Oracle Banking Platform

Oracle Banking Platform (OBP) is a one-stop solution for a bank for its core banking operations, across retail and business banking operations. It is designed to help banks respond strategically to today's business challenges, while also transforming their business models and processes to reduce operating costs and improve productivity across both front and back offices.

OBP provides a unified yet scalable IT solution for a bank to manage its data and end-to-end business operations with an enriched user experience. It is a composed set of different modules wherein each of the modules is serviced by a set of services and other subsystems.

2.2 About This Document

This document guides you through the installation of the core banking application Oracle Banking Platform. This document guides in deploying the following parts of the application:

- Presentation Server (ADF Presentation UI deployment on WebLogic)
- Application Server (Banking Services hosted on WebLogic)
- Integration Server (Oracle Banking Platform Integration and Approval Processes hosted on Oracle SOA)
- Security Configuration (Seeding security to OID)
- Seed Data Configuration (Seeding data to Core banking OLTP Database Server)

There are multiple prerequisites that need to be done before the start of the installation. The prerequisites section lists down the requirements. This document does not attempt to guide you through the prerequisites installation. The readers are expected to see the appropriate platform documentation to install the prerequisites.

This document prescribes bare minimum hardware requirements to have a functional application configuration. The sizing for a production environment is not prescribed here.

Due care has been taken to make this document as complete as possible. In case of any anomalies please mail to obp-deployment-support@oracle.com.

There are certain steps in the installation that *may* not be optimal yet. Further releases will optimize the deployment further.

2.3 Assumptions

It is assumed that the reader is aware of the technologies involved and is capable of installing the prerequisite software products mentioned in [Section 3.1.2 Software Environment](#).

The following are the assumptions regarding the environment and setup with regard to carrying out this installation:

- The Oracle Banking Platform installables are downloaded and copied onto a Linux machine or Linux VM.
- The reader has taken a remote connection to the Linux machine via Windows box.
- The reader is able to take an 'ssh' connection to the servers on which various Oracle Banking Platform components have to be installed from the Linux machine.
- The user is aware of the process of creating required db schema using RCU prior to initiation of OBP installation.

2.4 Limitations

Whenever the installation gets aborted or is served a timeout for various reasons, rerun the installation from the beginning with domain cleanup.

2.5 Exclusions

Though some of the software and products listed in prerequisites section may work on Windows, such qualification has not been carried out and shall not be the focus of this guide. It is advisable to use the mentioned Operating System (OS) for the best experience.

3 Pre-Installation Configuration

This chapter describes the pre-configuration activities that are to be completed successfully for proper installation and functioning of Oracle Banking Platform.

3.1 Setup Prerequisites

This section lists down the requirements from an environment perspective including minimum hardware requirements with Operating System (OS) and the middleware software products, which the Oracle Banking Platform solution depends and runs on (for example, Database or WebLogic) or interfaces with (for example, OID or IPM).

3.1.1 Hardware Environment

The minimum hardware requirements for Oracle Banking Platform solution to install and function decently are listed below:

Table 3–1 Hardware and OS

Sr. No.	CPU (2+GHz)	RAM (GB)	Disk (GB)	OS Version	Purpose
1	4	16	200	OEL 6.8 or OEL 7.0	Oracle Banking Platform Oracle Database
2	4	32	200	OEL 6.8 or OEL 7.0	Oracle Banking Platform ADF UI Presentation Server
3	4	32	200	OEL 6.8 or OEL 7.0	Oracle Banking Platform Services Middleware Host Server
4	2	16	200	As per OID certification matrix.	Oracle OID Server
5	2	16	200	As per IPM certification matrix.	Oracle IPM Server
6	2	16	200	As per BIP certification matrix.	Oracle BIP Server
7	4	32	200	As per SOA certification matrix.	Oracle SOA Server
8	4	16	200	As per BAM certification matrix.	Oracle BAM Server

3.1.2 Software Environment

It is assumed that the following products are installed and are available on the server on which the Oracle Banking Platform installation will be performed.

3.1.2.1 Certification Details

The following software are mandatory:

Table 3–2 List of Software

Sr. No.	Components	Zone	Software
01	OBP UI Presentation	Banking App	Oracle Fusion Middleware Infrastructure 12c (12.2.1.2.0) (This comes along with weblogic-12.2.1.2.0) Java Version jdk1.8.0_xx Oracle Linux 6.8 64-bit or Oracle Linux 7.0 64-bit
02	SOA	Banking App	Oracle SOA Suite and Business Process Management 12c (12.2.1.2.0) (This comes along with weblogic-12.2.1.2.0) Java Version jdk1.8.0_xx Oracle Linux 6.8 64-bit or Oracle Linux 7.0 64-bit
03	OBP HOST	Banking App	Oracle Fusion Middleware Infrastructure 12c (12.2.1.2.0) (This comes along with weblogic-12.2.1.2.0) Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 Java Version jdk1.8.0_xx Oracle Linux 6.8 64-bit or Oracle Linux 7.0 64-bit
04	OID	Security	Oracle Internet Directory (IDM Suite) 11.1.1.9 Oracle Weblogic Server 10.3.6 Java Version jdk1.7.0_xx Oracle Linux 6.8 64-bit or Oracle Linux 7.0 64-bit
05	BIP	Document	Oracle Business Intelligence 12c (12.2.1.2.0) Oracle Fusion Middleware Infrastructure 12c (12.2.1.2.0) (for weblogic) Java Version jdk1.8.0_xx Oracle Linux 6.8 64-bit or Oracle Linux 7.0 64-bit
06	IPM	Document	Oracle WebCenter - Content 11.1.1.9 Oracle Weblogic Server 10.3.6 Java Version jdk1.7.0_xx Oracle Linux 6.8 64-bit or Oracle Linux 7.0 64-bit
07	OSB	Integration	Oracle Service Bus 12c (12.2.1.2.0) Java Version jdk1.8.0_xx Oracle Linux 6.8 64-bit or Oracle Linux 7.0 64-bit
08	ODI	Integration	Oracle Data Integrator 12c (12.2.1.2.0) Java Version jdk1.8.0_xx Oracle Linux 6.8 64-bit or Oracle Linux 7.0 64-bit
09	OIM	Security	Oracle IAM 11.1.2.3 Suite Oracle Weblogic Server 10.3.6 Java Version jdk1.7.0_xx

Sr. No.	Components	Zone	Software
			Oracle Linux 6.8 64-bit or Oracle Linux 7.0 64-bit
10	OAAM	Security	Oracle IAM 11.1.2.3 Suite Oracle Weblogic Server 10.3.6 Java Version jdk1.7.0_xx Oracle Linux 6.8 64-bit or Oracle Linux 7.0 64-bit
11	OAM	Security	Oracle IAM 11.1.2.3 Suite Oracle Weblogic Server 10.3.6 Java Version jdk1.7.0_xx Oracle Linux 6.8 64-bit or Oracle Linux 7.0 64-bit
12	OEM	Management	Oracle Enterprise Manager 12.1.0.4.0 As per certification matrix of Oracle Enterprise Manager 12.1.0.4.0
13	EM Agent Installation	Management	Push from OEM Console
14	OBP Database	Database	Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 Oracle Linux 6.8 64-bit or Oracle Linux 7.0 64-bit
15	HTTP Server	Web Server	Oracle HTTP Server 11.1.1.9.0.
16	BAM	Banking App	Oracle SOA Suite and Business Process Management 12c (12.2.1.2.0) (This comes along with weblogic-12.2.1.2.0) Java Version jdk1.8.0_xx

The following are some notes related to the software.

Table 3–3 Notes

Serial Number	Description
1	OBP release has been certified with OEL version 6.8 and above (7.0 and 7.1) during the release cycle. It is strongly recommended to use the versions on which the release is certified.
2	Oracle Business Intelligence Publisher is required at the time of OBP installation. It is required to use the actual BIP property values during the installation. This is required as the installer uploads the OBP reports as onto the BIP server as part of the middleware host installation process.
3	ODI_OUTBOUND_USERNAME and ODI_OUTBOUND_PASSWORD The OBP installer will not abort the installation if this component is not present. It can be installed later. However, it is strongly recommended to use the actual property values instead of default property values during the installation. Else, the actual values for ODI_OUTBOUND_USERNAME and ODI_OUTBOUND_PASSWORD once available have to be manually updated in the 'ra/FCRJConnectorODI' jndi

3.1 Setup Prerequisites

Serial Number	Description
	property of com.ofss.fc.app.connector.ear application inside middleware host server after the entire installation completes.
4	<p>The OBP installer will not abort the installation if this component is not present. It can be installed later.</p> <p>It is strongly recommended to use the actual property values instead of default property values during the installation. Else, these properties have to be manually updated in Host Database after the entire installation completes.</p>
5	<p>OIM_OUTBOUND_USERNAME and OIM_OUTBOUND_PASSWORD</p> <p>The OBP installer will not abort the installation if this component is not present. It can be installed later.</p> <p>It is recommended to use the actual property values instead of default property values during the installation. Else, these properties have to be manually updated in Host Database. Also, actual values for OIM_OUTBOUND_USERNAME and OIM_OUTBOUND_PASSWORD once available have to be manually updated in the 'ra/FCRJConnectorOIM' jndi property of com.ofss.fc.app.connector.ear application inside middleware host server after the entire installation completes.</p>
6	Oracle Access Manager can be installed later.
7	During installation, password of unix user will be asked multiple times for “scp” “ssh”. There is a time limit for entering password. If not entered within specified limit, the installation is likely to exit. User should take care of this.
8	It is mandatory for machine nodes on which OBP UI, Host, and SOA Media pack installation is planned, to install the Java Cryptography Extensions Unlimited Strength Jurisdiction Policy Files, to enable additional encryption strengths.
9	<p>Download the jce_policy.zip from Oracle website for the current Java version being used. For jdk1.8.0_xx, download UnlimitedJCEPolicyJDK8.zip from the following link: http://www.oracle.com/technetwork/java/javase/downloads/jce8-download-2133166.html</p> <p>Copy "local_policy.jar" and "US_export_policy.jar" from this zip file in the path mentioned below: JAVA_HOME/jre/lib/security/</p>
10	<p>It is mandatory that the team installing OBP reads and understands the system requirements and specifications for the fusion middleware specified in the following link: http://docs.oracle.com/html/E77908_01/toc.htm</p> <p>The url details the system and platform-specific information for Oracle Fusion Middleware 12c Release 1 (12.2.1.2.0) products.</p> <p>Changes necessary at a system level for the fusion middleware should be made prior to executing OBP media packs.</p> <p>For example, the number of open files should be increased from the default value as specified in the following link: http://docs.oracle.com/html/E73100_01/toc.htm#GUID-12CCC4F8-F374-4221-8CCE-048834575243</p>
11	SOA managed servers may need the default value raised at operating system level to run, as it needs to load a large number of OBP application binaries.
12	It is mandatory for SOA Suite to be installed in machine nodes on which OBP BAM Installation is planned.

Serial Number	Description
13	The value of property SOA_SERVER_NAME in installer properties should not be changed. The default value of soa_server1, that is shipped along with media pack, should be retained AS IS. Managed servers, that are required inside the cluster as per the naming onsite conventions, should be added after the media pack installation is complete.

3.1.2.2 Optional

The following software is optional:

- Oracle VM server release 2.2.0

3.1.2.3 Patching

OPatch is a patching utility in OBP Installer. The following is required to run OPatch.

The Python packages need to be installed in the same order as mentioned below. They have to be installed as root user in UI, Host, and SOA Machines.

- Suds-0.4 (to create webservice client)
- docutils-0.12 (prerequisite for SOAPpy)
- wstools-0.4.3 (prerequisite for SOAPpy)
- SOAPpy0.12.5 (to make SOAP webservice call)
- PyYAML-3.11 (to read yaml file)
- Jypye1-0.5.7 (to call java code from Python)

The above mentioned packages are available in the form of .tar.gz files in the media pack.

The installation steps are as follows:

1. Extract each file so that the above Python packages get installed in the same order.
2. Run setup.py file inside extracted folder. (command:python install).

```
tar -xvzf suds-0.4.tar.gz
tar -xvzf docutils-0.12.tar.gz
tar -xvzf wstools-0.4.3.tar.gz
tar -xvzf SOAPpy-0.12.5.tar.gz
tar -xvzf PyYAML-3.11.tar.gz
tar -xvzf JPyype1-0.5.7.tar.gz
chmod -R 777 *
cd suds-0.4
python setup.py install
cd ../docutils-0.12
python setup.py install
cd ../wstools-0.4.3
```

```
python setup.py install
cd ../SOAPpy-0.12.5
python setup.py install
cd ../PyYAML-3.11
python setup.py install
cd ../JPype1-0.5.7
python setup.py install
```

Please note that the above step is only required to run OPatch (a patching utility available with OBP Installer).

3.2 Configure Variables

Perform the following steps to configure the variables:

1. Modify the TargetDefinition.yaml located at the location <installDir>/patching/config.
2. The IP and port of the target should be of Admin Server and the destination location is the path where the zip will be extracted which is the patch Stage Path.
3. Modify the PatchConfig.yaml located at the location <installDir>/patching/config.
4. The Session context details such as Bank Code, Channel, TargetUnit, Transaction Branch, UserId has to be entered.

The wsdl details will be as follows:

```
${Protocol}://${hostadmin_ip}:${hostadmin_port}/${path_to_
TransactionBlackoutApplicationServiceSpi}?wsdl
```

For example, url:

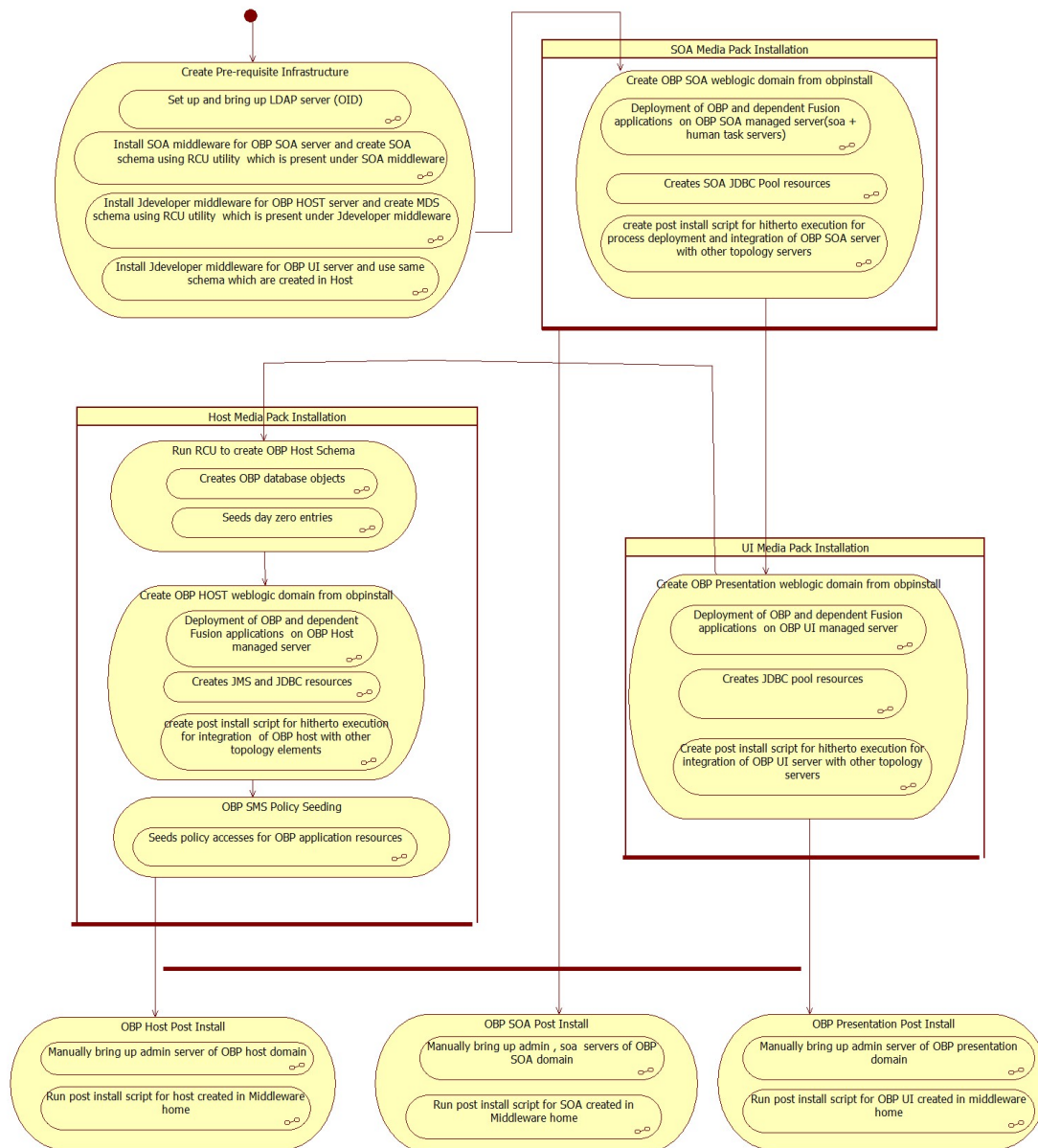
```
http://<Ip>:<Port>/com.ofss.fc.webservice/services/sms/TransactionBlackoutApplicationServiceSpi
?wsdl
```

5. Modify the PatchConstants.py located at the location <installDir>patching/constants.
 - a. The PATCH_HOME should point to the Patching Utility.
 - b. The Deployables Path should point to obp.
 - c. The FMW_HOME should point to the path till fmw.
 - d. The WLST_SCRIPT_LOCATION should point to the wlst.sh (weblogic scripting tool).
 - e. The JVM_PATH should point to the libjvm.so.
 - f. The PATCH_TEMP_LOCATION should be the path where the zips are to be stored.
 - g. The FCServerWithPort is '\${protocol}://\${hostmanagedserver_ip}:\${hostManagedServer_port}'.
 - h. The SOAServerWithPort is '\${protocol}://\${uimanagedserver_ip}:\${uiManagedServer_port}'.
 - i. The CENTRAL_PATCH_STAGE_PATH should point to the central patch Staging path.
6. Create folder patchStage and centralPatchStage in location <installDir>/.

3.3 Installation Process Overview

The following diagram provides an overview of the steps that need to be followed to install and configure Oracle Banking Platform:

Figure 3–1 Installation Overview



3.4 Installation Checklist

It is mandatory that the team installing OBP reads and understands the system requirements and specifications for the fusion middleware specified in the following link:

http://docs.oracle.com/html/E18558_01/fusion_requirements.htm

The link details the system and platform-specific information for Oracle Fusion Middleware 12c Release 1 (12.2.1.2.0) products.

Changes necessary at a system level for the fusion middleware should be made prior to executing OBP media packs.

For example, the number of open files should be increased from the default value as specified in the following link:

http://docs.oracle.com/html/E18558_01/fusion_requirements.htm#BABFCFIF

To make the installation experience quick and easy, a checklist of information is provided, which should be filled and kept handy. The checklist has been made more intuitive and relevant by ensuring that the Key for properties defined in the installation property file is same as the Name column in the first table of the checklist.

3.4.1 Updating `installobp***.properties`

This checklist provides values for updating `installobp***.properties`.

Figure 3–2 Values for updating `installobp*.properties`**

Sr.No	Name	Description	Example Value	Value
1	SILENT_INSTALL	Flag for installing silent or interactive mode	y	
2	IPM_INSTALLED	Flag to make sure IPM is installed	y	
3	BIP_INSTALLED	Flag to make sure BIP is installed	y	
4	OID_FARM_AND_POLICY_SEEDING_FLAG	Flag for policy seeding	Y	
5	BIP_REPORTS_UPLOADING_FLAG	Flag for BIP reports uploading	Y	
6	REMOTE_EXECUTION	Flag for executing installer remotely	Y	
7	SECURITY_ENABLED	Flag for security enable	Y	
8	LOCAL_IP	I/P of the local machine which could be a windows machine on which software like XManager is installed for rendering UI of a	10.180.84.110	

Sr.No	Name	Description	Example Value	Value
		utility executing on a remote Linux server.		
9	LOCAL_DISPLAY_VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
10	DOMAIN_NAME	Weblogic Domain name	host_domain or ui_domain or base_domain	
11	DOMAIN_DIRECTORY_LOCATION	Location where DOMAIN_NAME folder will be created	/scratch/app/product/fmw/user_projects/domains	
12	WEBLOGIC_USERNAME	Username for weblogic domain	weblogic	
13	WEBLOGIC_PASSWORD	Password for weblogic domain	weblogic1	
14	ADMIN_SERVER_LISTEN_ADDRESS	Admin server listen address	10.180.84.110(Always use i/p , don't use localhost)	
15	ADMIN_SERVER_LISTEN_PORT	Admin server listen port	7001	
16	ADMIN_SERVER_SSL_LISTEN_PORT	Admin server SSL listen port	7002	
17	MANAGED_SERVER_LISTEN_ADDRESS	Managed server listen address	10.180.84.110	
18	MANAGED_SERVER_LISTEN_PORT	Managed server listen port	8001	
19	MANAGED_SERVER_SSL_LISTEN_PORT	SSL listen port for managed server	8002	
20	LDAP_PROVIDER	Refers to LDAP Provider .Value will be OID or OVD.	OID	
21	OID_IP	I/P address of the OID server.	10.180.84.113	
22	OID_PORT	Port of the OID process instance.	389	
23	OID_ADMIN_USER	Admin user id	cn= orcladmin	

3.4 Installation Checklist

Sr.No	Name	Description	Example Value	Value
		which can be used to login of the OID as administrator.		
24	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
25	OID_GROUP_DSN	The DSN used for object class Groups in the OID ldap.	cn=Groups,dc=in,dc=oracle,dc=com	
26	OID_USER_DSN	The DSN used for object class Users in the OID ldap.	cn=Users,dc=in,dc=oracle,dc=com	
27	NODE_MGR_PORT	Refers to the port number to be used for the weblogic node manager. This port should either be free on the UI Presentation server or an existing weblogic node manager should be installed to listen on this port when the same is started.	5556	
28	HOST_CLUSTER_NAME	Refers to HOST cluster name	obphost_cluster1	
29	HOST_SERVER_NAME	Refers to HOST server name	obphost_server1	
30	HOST_JAVA_HOME	Refers to the home directory of java installation of the host machine. The version of java installed should be 1.8.0 or above. This is used to execute the OBP security policy seeding utility at the end of the installation.	/scratch/app/product/jdk1.8.0_101	

Sr.No	Name	Description	Example Value	Value
31	OUI_JAVA_HOME	Refers to the home directory of java installation. The version of java installed should be 1.8.101 . This is used for OBP patching.	/scratch/app/product/jdk1.8.0_101	
32	CENTRAL_INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oralInventory	
33	HOST_IP	I/P address of the server on which the OBP host or middleware layer should be installed.	10.180.84.110(Always use i/p , don't use localhost)	
34	HOST_TARGET	Refers to a location on the Host server where the installable can be transferred. The user id used for installation of OBP should have read, write and execute privileges on this directory.	/scratch/install/target	
35	HOST_MW_HOME	Refers to the middleware home of the weblogic installation on the Host server.	/scratch/app/product/fmw	
36	UI_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of UI Admin server	10.180.84.111	
37	UI_ADMIN_SERVER_LISTEN_PORT	Listen port of UI Admin server	7001	
38	UI_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of UI managed server	10.180.84.111	
39	UI_MANAGED_SERVER_LISTEN_PORT	Listen port of UI managed server	8001	

3.4 Installation Checklist

Sr.No	Name	Description	Example Value	Value
40	UI_MANAGED_SERVER_SSL_LISTEN_PORT	Listen ssl port of UI managed server	8002	
41	SOA_ORACLE_HOME	Name of Oracle SOA which is present in fusion middleware.	soa	
42	SOA_IP	i/p address of SOA machine	10.180.84.112	
43	SOA_UNIX_USER	Unix username of SOA machine	ofssobp	
44	SOA_MW_HOME	Refers to the middleware home of the weblogic installation on the SOA server.	/scratch/app/product/fmw	
45	SOA_DOMAIN_NAME	Refers to the middleware home of the weblogic installation on the SOA server.	base_domain	
46	SOA_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of SOA server	10.180.84.112	
47	SOA_ADMIN_SERVER_LISTEN_PORT	Listen port of SOA Admin server	7001	
48	SOA_MANAGED_SERVER_LISTEN_PORT	Listen port of SOA server	8001	
49	SOA_WEBLOGIC_USERNAME	Username of the server of SOA domain	weblogic	
50	SOA_WEBLOGIC_PASSWORD	Password of the server of SOA domain	weblogic1	
51	UI_IP	I/P address of the server on which the OBP presentation or UI layer should be installed.	10.180.84.111	
52	UI_UNIX_USER	Linux login user id used to install the OBP UI	ofssobp	

Sr.No	Name	Description	Example Value	Value
		solution.		
53	UI_DOMAIN_HOME	Refers to the domain name to be used for the weblogic domain of the OBP Presentation server	/scratch/app/product/fmw/user_projects/domains/ui_domain	
54	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
55	BIP_SERVER_IP	I/P of the BIP server to host OBP reports	10.180.84.115	
56	BIP_SERVER_PORT	Port of the BIP server that hosts OBP reports	9502	
57	BIP_UNIX_USER	Linux login user id for BIP server	ofssobp	
58	BIP_HOME	Oracle BIP Home directory on BIP server	/scratch/app/product/fmw/bi	
59	BIP_INSTANCE_PATH	Oracle BIP Instance directory on BIP server	/scratch/app/product/fmw/user_projects/domains/bi_domain/bidata/	
60	BIP_SERVER_USER	Oracle BIP server user id	weblogic	
61	BIP_SERVER_PSWD	Oracle BIP server user password	weblogic1	
62	BIP_REPORT_BASE_PATH	Logical Base Path on Oracle BIP server under which OBP reports would be hosted	OBP2601/R2601INSTALLER	
63	BIP_DATASOURCE_NAME	OBP Host database user used by OBP report to fetch data for reports	R262_OBP_HOST	
64	IPM_UNIX_USER	Linux login user id for IPM server	ofssobp	

3.4 Installation Checklist

Sr.No	Name	Description	Example Value	Value
65	IPM_SERVER_IP	IP of Oracle Image and Processing Server for OBP Content Management	10.180.84.114	
66	IPM_SERVER_PORT	Port of Oracle Image and Processing Server for OBP Content Management	16000	
67	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
68	OAAM_SERVER_IP	OAAM server IP for 2FA. OAAM_SERVER_IP refers to the ip address of OAAM Server (i.e. the IP of default server name as oaam_server_server1)	oaam-ofss.com	
69	OAAM_SERVER_PORT	OAAM server Port for 2FA. OAAM_SERVER_PORT refers to the port of OAAM Server (default server name as oaam_server_server1)	14000	
70	OIM_SERVER_IP	Oracle Identity Manager IP	oim-ofss.com	
71	OIM_SERVER_PORT	Oracle Identity Manager Port	16000	
72	OFSAA_SERVER_IP	OFSAA Server IP	ofsaa-ofss.com	
73	OFSAA_SERVER_PORT	OFSAA Server Port	17000	
74	DOCUMAKER_SERVER_IP	i/p address of Documaker server	documaker-ofss.com	

Sr.No	Name	Description	Example Value	Value
75	DOCUMAKER_SERVER_PORT	Listen port of Documaker server	15000	
76	BAM_SERVER_NAME	Bam sever listen address	bam-ofss.com	
77	BAM_SERVER_PORT	BAM managed server port	9003	
78	ODI_SERVER_NAME	ODI server listen address	odi-ofss.com	
79	ODI_SERVER_PORT	ODI server listen port	8001	
80	OBP_HOST_DB_USER	OBP Host database user	R262_OBP_HOST	
81	OBP_HOST_DB_PASSWORD	OBP Host database password	welcome1	
82	OBP_HOST_DB_IP	OBP Host database i/p address	10.180.84.113	
83	OBP_HOST_DB_PORT	OBP Host database port	1521	
84	OBP_HOST_DB_SERVICE_NAME	OBP Host database service name	P84113A	
85	ONS_NODE	i/p address of ONS service	10.180.84.113	
86	ONS_PORT	Listen port of ONS service	6250	
87	OPSS_HOST_SCHEMA_USER	OPSS Host schema user	PRDHOST_OPSS	
88	OPSS_HOST_SCHEMA_PASSWORD	OPSS Host schema password	welcome1	
89	OPSS_HOST_DB_IP	OPSS Host DB IP	10.180.84.113	
90	OPSS_HOST_DB_PORT	OPSS Host DB Port	1521	
91	OPSS_HOST_DB_SERVICE_NAME	OPSS Host database service name	P84113A	
92	LOCAL_DATASOURCE	STB datasource schema name	PRDHOST_STB	

3.4 Installation Checklist

Sr.No	Name	Description	Example Value	Value
93	MDS_HOST_DB_USER	MDS schema user to be used by UI and Host domain	UI2601_MDS	
94	MDS_HOST_DB_PASSWORD	MDS schema Password of MDS schema user to be used by UI and Host domain	welcome1	
95	MDS_HOST_DB_IP	MDS DB IP address of MDS schema user to be used by UI and Host domain	10.180.84.113	
96	MDS_HOST_DB_PORT	MDS db port of MDS schema user to be used by UI and Host domain	1521	
97	MDS_HOST_DB_SERVICE_NAME	MDS db service name of MDS schema user to be used by UI and Host domain	P84113A	
98	OPSS_SOA_SCHEMA_USER	SOA OPSS schema name	SOA262_OPSS	
99	OPSS_SOA_AUDIT_DBDS	SOA OPSS Audit schema name	SOA262_IAU_APPEND	
100	OPSS_SOA_AUDIT_VIEWDS	SOA OPSS Audit View schema name	SOA262_IAU_VIEWER	
101	OPSS_SOA_SCHEMA_PASSWORD	Password of SOA OPSS schema name	welcome1	
102	OPSS_SOA_DB_IP	IP address of SOA OPSS DB machine	10.180.84.113	
103	OPSS_SOA_DB_PORT	Port of SOA OPSS DB	1521	
104	OPSS_SOA_DB_SERVICE_NAME	Service name of SOA OPSS DB	P84113A	
105	HOST_ADMIN_JVM_PARAMS	Host domain admin JVM startup parameters	-Xms1024m -Xmx4096m	

Sr.No	Name	Description	Example Value	Value
106	HOST_MANAGED_JVM_PARAMS	Host domain managed JVM startup parameters	Xms8g -Xmx8g -XX:NewSize=2048m -XX:MaxNewSize=4096m -XX:+UseParNewGC -XX: +CMSParallelRemarkEnabled - XX:+UseConcMarkSweepGC - XX:CMSInitiatingOccupancyFraction=75	
107	KEYSTORE_PASSWORD	Password for generating certificate	welcome1	
108	IPM_OUTBOUND_USERNAME	IPM Username created in connector	weblogic	
109	IPM_OUTBOUND_PASSWORD	Password for the IPM user in connector	weblogic1	
110	BIP_OUTBOUND_USERNAME	BIP Username created in connector	weblogic	
111	BIP_OUTBOUND_PASSWORD	Password for the BIP user in connector	weblogic1	
112	ODI_OUTBOUND_USERNAME	ODI Username created in connector	weblogic	
113	ODI_OUTBOUND_PASSWORD	Password for the ODI user in connector	weblogic1	
114	OIM_OUTBOUND_USERNAME	OIM Username created in connector	weblogic	
115	OIM_OUTBOUND_PASSWORD	Password for the OIM user in connector	weblogic1	
116	WCM_OUTBOUND_USERNAME	WCM Username created in connector	weblogic	
117	WCM_OUTBOUND_PASSWORD	Password for the WCM user in connector	weblogic1	
118	OFFLINE_CHANNEL_OUTBOUND_USERNAME	Offline Username created in connector	offlineuser	
119	OFFLINE_CHANNEL_PASSWORD	Password for the	welcome1	

3.4 Installation Checklist

Sr.No	Name	Description	Example Value	Value
	OUTBOUND_PASSWORD	Offline user in connector		
120	SAML_ISSUER_OUTBOUND_USERNAME	SAML ISSUER Username created in connector	weblogic	
121	SAML_ISSUER_OUTBOUND_PASSWORD	Password for the SAML ISSUER user in connector	weblogic1	
122	BPEL_ENCRYPTION_OUTBOUND_USERNAME	BPEL_ENCRYPTION Username created in connector	weblogic	
123	BPEL_ENCRYPTION_OUTBOUND_PASSWORD	Password for the BPEL_ENCRYPTION user in connector	weblogic1	
124	FTP_IPM_OUTBOUND_USERNAME	FTP IPM Username created in connector	weblogic	
125	FTP_IPM_OUTBOUND_PASSWORD	Password for the FTP IPM user in connector	weblogic1	
126	FTP_BIP_OUTBOUND_USERNAME	FTP BIP Username created in connector	weblogic	
127	FTP_BIP_OUTBOUND_PASSWORD	Password for the FTP BIP user in connector	weblogic1	
128	BIP_USR_OUTBOUND_USERNAME	BIP Username created in connector	weblogic	
129	BIP_USR_OUTBOUND_PASSWORD	Password for the BIP user in connector	weblogic1	
130	SOA_PURGING_OUTBOUND_USERNAME	SOA Username created in connector	weblogic	
131	SOA_PURGING_OUTBOUND_PASSWORD	Password for the SOA user in connector	weblogic1	
132	SOA_OUTBOUND_USERNAME	SOA Username created in	weblogic	

Sr.No	Name	Description	Example Value	Value
		connector		
133	SOA_OUTBOUND_PASSWORD	Password for the SOA user in connector	weblogic1	
134	ATMUSER_OUTBOUND_USERNAME	ATM Username created in connector	ATMUser	
135	ATMUSER_OUTBOUND_PASSWORD	Password for the ATM user in connector	welcome1	
136	POSUSER_OUTBOUND_USERNAME	POS Username created in connector	POSUser	
137	POSUSER_OUTBOUND_PASSWORD	Password for the POS user in connector	welcome1	
138	DMSHOST_OUTBOUND_USERNAME	DMS HOST Username created in connector	weblogic	
139	DMSHOST_OUTBOUND_PASSWORD	Password for the DMS HOST user in connector	weblogic1	
140	DMSUI_OUTBOUND_USERNAME	DMS UI Username created in connector	weblogic	
141	DMSUI_OUTBOUND_PASSWORD	Password for the DMS UI user in connector	weblogic1	
142	OCH_OUTBOUND_USERNAME	OCH Username created in connector	weblogic	
143	OCH_OUTBOUND_PASSWORD	Password for the OCH user in connector	weblogic1	
144	WS_MFT_OUTBOUND_USERNAME	WS_MFT Username created in connector	weblogic	
145	WS_MFT_OUTBOUND_PASSWORD	Password for the WS_MFT user in connector	weblogic1	
146	OP_OUTBOUND_USERNAME	OP Username created in	weblogic	

3.4 Installation Checklist

Sr.No	Name	Description	Example Value	Value
		connector		
147	OP_OUTBOUND_PASSWORD	Password for the OP user in connector	weblogic1	
148	ICS_OUTBOUND_USERNAME	Username for ICS connector	weblogic	
149	ICS_OUTBOUND_PASSWORD	Password for ICS connector	Weblogic1	
150	OBDX_OUTBOUND_USERNAME	Username for OBDX connector	1518675030085dean.white@test.com	
151	OBDX_OUTBOUND_PASSWORD	Password for OBDX connector	Welcome@1	
152	CARD_USERNAME	Username of Card connector	orakey	
153	CARD_PASSWORD	Password of Card connector	welcome1	
154	RULE_USERNAME	Username of Rule connector	orakey	
155	RULE_PASSWORD	Password of Rule connector	welcome1	
156	BAM_USERNAME	Username of BAM connector	weblogic	
157	BAM_PASSWORD	Password of BAM connector	weblogic1	
158	USER_TIMEZONE	Time zone entry	+5:30	
159	HOST_SSL_PASSWORD	Password for configuring SSL in HOST domain	welcome1	
160	SILENT_INSTALL	Flag for executing installer remotely	y	
161	SECURITY_ENABLED	Flag for security enable	Y	
162	IPM_INSTALLED	Flag for if IPM is installed	Y	
163	BIP_INSTALLED	Flag for if BIP is installed	Y	
164	LOCAL_IP	I/P address of the local machine which could be a windows	10.180.84.111	

Sr.No	Name	Description	Example Value	Value
		machine on which software like XManager is installed for rendering UI of a utility executing on a remote Linux server.		
165	LOCAL_DISPLAY_VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
166	DOMAIN_NAME	Weblogic Domain name	Host_domain or ui_domain or base_domain	
167	DOMAIN_DIRECTORY_LOCATION	Location where DOMAIN_NAME folder will be created	/scratch/app/product/fmw/user_projects/domains	
168	WEBLOGIC_USERNAME	Username for weblogic domain	weblogic	
169	WEBLOGIC_PASSWORD	Password for weblogic domain	weblogic1	
170	LOCAL_DATASOURCE	Username of LOCAL_DATASOURCE	PRDUI_STB	
171	OPSS_UI_SCHEMA_USER	OPSS UI schema name	PRDUI_OPSS	
172	OPSS_UI_SCHEMA_PASSWORD	OPSS UI schema password	Welcome1	
173	OPSS_UI_DB_IP	OPSS UI DB IP	10.180.84.113	
174	OPSS_UI_DB_PORT	OPSS UI DB PORT	1521	
175	OPSS_UI_DB_SERVICE_NAME	OPSS UI DB SERVICE NAME	P84113A	
176	MDS_SCHEMA_USER	MDS schema name	PRDUI_MDS	
177	MDS_SCHEMA_PASSWORD	Password of MDS schema	welcome1	
178	MDS_DB_IP	MDS DB IP	10.180.84.113	

3.4 Installation Checklist

Sr.No	Name	Description	Example Value	Value
179	MDS_DB_PORT	MDS DB PORT	1521	
180	MDS_DB_SERVICE_NAME	MDS DB SERVICE NAME	P84113A	
181	OPSS_SOA_SCHEMA_USER	SOA OPSS Schema name	PRDSOA_OPSS	
182	OPSS_SOA_AUDIT_DBDS	SOA OPSS AUDIT schema name	PRDSOA_IAU_APPEND	
183	OPSS_SOA_AUDIT_VIEWDS	SOA OPSS AUDIT VIEWDB Schema name	PRDSOA_IAU_VIEWER	
184	OPSS_SOA_SCHEMA_PASSWORD	SOA OPSS password for above three OPSS schema	welcome1	
185	OPSS_SOA_DB_IP	Service name of UI OPSS DB	10.180.84.113	
186	OPSS_SOA_DB_PORT	SOA OPSS DB PORT	1521	
187	OPSS_SOA_DB_SERVICE_NAME	SOA OPSS DB SERVICE NAME	P84113A	
188	HOST_SCHEMA_USER	OBP Host Database username	R262_OBP_HOST	
189	HOST_SCHEMA_PASSWORD	OBP Host Database password	welcome1	
190	HOST_DB_IP	OBP Host Database i/p address	10.180.84.113	
191	HOST_DB_PORT	OBP Host Database listen port	1521	
192	HOST_DB_SERVICE_NAME	OBP Host Database service name	P84113A	
193	ONS_NODE	i/p address of ONS service	10.180.84.113	
194	ONS_PORT	Listen port of ONS service	6250	
195	ADMIN_SERVER_LISTEN_ADDRESS	Admin server listen address	10.180.84.111	

Sr.No	Name	Description	Example Value	Value
196	ADMIN_SERVER_LISTEN_PORT	Admin server listen port	7001	
197	ADMIN_SERVER_SSL_LISTEN_PORT	Admin server SSL listen port	7002	
198	MANAGED_SERVER_LISTEN_ADDRESS	Managed server listen address	10.180.84.111	
199	MANAGED_SERVER_LISTEN_PORT	Managed server listen port	8001	
200	MANAGED_SERVER_SSL_LISTEN_PORT	Managed server SSL listen port	8002	
201	LDAP_PROVIDER	Refers to LDAP Provider .Value will be OID or OVD.	OID	
202	OID_IP	I/P address of the OID server	10.180.84.113	
203	OID_PORT	Port of the OID process instance.	389	
204	OID_ADMIN_USER	Admin user id which can be used to login of the OID as administrator.	cn=orcladmin	
205	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
206	OID_GROUP_DSN	The DSN used for object class Groups in the OID ldap.	cn=Groups,dc=in,dc=oracle,dc=com	
207	OID_USER_DSN	The DSN used for object class Users in the OID ldap.	cn=Users,dc=in,dc=oracle,dc=com	
208	NODE_MGR_PORT	Refers to the port number to be used for the weblogic node manager. This port should either be free on the UI Presentation server or an existing weblogic node	5556	

3.4 Installation Checklist

Sr.No	Name	Description	Example Value	Value
		manager should be installed to listen on this port when the same is started		
209	UI_IP	I/P address of the server on which the OBP presentation or UI layer should be installed.	10.180.84.111	
210	UI_CLUSTER_NAME	Name of UI Managed Cluster	obpui_cluster1	
211	UI_SERVER_NAME	Name of UI Managed Server	obpui_server1	
212	UI_TARGET	Refers to a location on the UI server where the installables can be transferred. The user id of the user used for installation of OBP should have read, write and execute privileges on this directory.	/scratch/install/target	
213	UI_MW_HOME	Refers to the middleware home of the weblogic installation on the UI server.	/scratch/app/product/fmw	
214	UI_JAVA_HOME	Refers to the home directory of java installation. The version of java installed should be 1.8.0 or above. This is used to execute the OBP security policies policy seeding utility at the end of the installation.	/scratch/app/product/jdk1.8.0_101	
215	OUI_JAVA_HOME	Refers to the	/scratch/app/product/jdk1.8.0_101	

Sr.No	Name	Description	Example Value	Value
		home directory of java installation. The version of java installed should be 1.8.0 . This is used for OBP patching.		
216	CENTRAL_INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oralInventory	
217	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
218	IPM_UNIX_USER	Linux login user id of IPM server	ofssobp	
219	IPM_SERVER_IP	i/p address of IPM server	10.180.84.114	
220	IPM_SERVER_PORT	Listen port of IPM server	16000	
221	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
222	BIP_SERVER_IP	i/p address of BIP server	10.180.84.115	
223	BIP_SERVER_PORT	Listen port of BIP server	9502	
224	BIP_UNIX_USER	Linux login user id of BIP server	ofssobp	
225	BIP_HOME	Oracle BIP Home directory on BIP server	/scratch/app/product/fmw/bi	
226	OAAM_SERVER_IP	OAAM server IP for 2FA. OAAM_SERVER_IP refers to the ip address of OAAM Server (i.e. the IP of default server name as oaam_server_server1)	oaam-ofss.com	
227	OAAM_SERVER_PORT	OAAM server	14000	

Sr.No	Name	Description	Example Value	Value
		Port for 2FA. OAAM_SERVER_PORT refers to the port of OAAM Server (default server name as oaam_server_server1)		
228	OIM_SERVER_IP	Oracle Identity Manager i/p address	oim-ofss.com	
229	OIM_SERVER_PORT	Oracle Identity Manager Listen Port	16000	
230	OFSAA_SERVER_IP	OFSAA Server i/p address	ofsaa-ofss.com	
231	OFSAA_SERVER_PORT	OFSAA Server listen port	17000	
232	UI_ADMIN_JVM_PARAMS	UI domain admin JVM startup parameters	-Xms2048m -Xmx4096m	
233	UI_MANAGED_JVM_PARAMS	UI domain managed JVM startup parameters	-Djbo.ampool l.doampooling=false -Xms6g -Xmx6g -XX:NewSize=512m -XX:MaxNewSize =2048m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Djbo.load.components.lazily=true	
234	HOST_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of HOST admin server	10.180.84.110	
235	HOST_ADMIN_SERVER_LISTEN_PORT	Listen port of HOST admin server	7001	

Sr.No	Name	Description	Example Value	Value
236	HOST_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of host managed server	10.180.84.110	
237	HOST_MANAGED_SERVER_LISTEN_PORT	Listen port of host managed server	8001	
238	SOA_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of SOA server	10.180.84.112	
239	SOA_MANAGED_SERVER_LISTEN_PORT	Listen port of SOA server	8001	
240	SOA_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of Admin SOA server	10.180.84.112	
241	SOA_ADMIN_SERVER_LISTEN_PORT	Listen port of Admin SOA server	7001	
242	KEYSTORE_PASSWORD	Password for generating certificate	welcome1	
243	UI_SSL_PASSWORD	Password for configuring SSL in UI domain	welcome1	
244	UCM_READ_FROM_URL	<p>Flag for getting UCM URL from properties file.</p> <p>These values are used by the Webcenter Portal application for internet banking. Hence values for UCM_READ_FROM_URL and UCM_IP, UCM_PORT below can be left as is for installations, which do not use the Webcenter portal for hosting their internet banking application.</p> <p>However, as a best practice, it</p>	true/false	

Sr.No	Name	Description	Example Value	Value
		is recommended that we configure values for UCP_IP and UCM_PORT correctly from day 1		
245	UCM_IP	UCM_IP the IP address of the UCM WebLogic managed server.	ofss.ucm.com	
246	UCM_PORT	Port of UCM.	4444	
247	OFFLINE_CHANNEL_OUTBOUND_USERNAME	Offline username created in connector	offlineuser	
248	OFFLINE_CHANNEL_OUTBOUND_PASSWORD	Password for the Offlineuser user in connector	welcome1	
249	CARD_USERNAME	Username of Card connector.	orakey	
250	CARD_PASSWORD	Password of Card connector.	welcome1	
251	RULE_USERNAME	Username of Rule connector	orakey	
252	RULE_PASSWORD	Password of Rule connector	welcome1	
253	USER_TIMEZONE	Time zone entry	+5:30	
254	REMOTE_EXECUTION	Flag for executing installer remotely	Y	
255	IPM_USERNAME	Username of IPM connector	weblogic	
256	IPM_PASSWORD	Password of IPM connector	weblogic1	
257	FTP_IPM_USERNAME	Username of FTP_IPM connector	ofssobp	
258	FTP_IPM_PASSWORD	Password of FTP_IPM connector	ofssobp123	
259	FTP_IPM_BATCH_USERNAME	Username of FTP_IPM_BATCH	ofssobp	
260	FTP_IPM_BATCH_PASSWORD	Password of FTP_IPM_BATCH	ofssobp123	

Sr.No	Name	Description	Example Value	Value
		BATCH		
261	HOST_UNIX_USER	Linux login user id for HOST server	ofssobp	
262	HOST_MW_HOME	Refers to the middleware home of the weblogic installation on the Host server.	/scratch/app/product/fmw	
263	SOA_MW_HOME	Refers to the middleware home of the weblogic installation on the SOA server.	/scratch/app/product/fmw	
264	SOA_DOMAIN_NAME	SOA Domain Name	base_domain	
265	SILENT_INSTALL	Flag for installing silent or interactive mode	y	
266	SECURITY_ENABLED	Flag for security enable	Y	
267	IPM_INSTALLED	Flag for if IPM is installed	Y	
268	BIP_INSTALLED	Flag for if BIP is installed	Y	
269	LOCAL_IP	I/P of the local machine which could be a windows machine on which software like XManager is installed for rendering UI of a utility executing on a remote Linux server.	10.180.84.112	
270	LOCAL_DISPLAY_VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
271	DOMAIN_NAME	Name of the	Host_domain or ui_domain or base_	

3.4 Installation Checklist

Sr.No	Name	Description	Example Value	Value
		weblogic domain to be created	domain	
272	DOMAIN_DIRECTORY_LOCATION	Location where DOMAIN_NAME folder will be created	/scratch/app/product/fmw/user_projects/domains	
273	WEBLOGIC_USERNAME	Username for weblogic domain	weblogic	
274	WEBLOGIC_PASSWORD	Password for weblogic domain	weblogic1	
275	MDS_SCHEMA_USER	MDS schema user for SOA domain	SOA262_MDS	
276	SOA_INFRASTRUCTURE_SCHEMA_USER	SOA infrastructure schema user for SOA domain	SOA262_SOAINFRA	
277	LOCAL_DATASOURCE	Local schema user for SOA domain	SOA262_STB	
278	UMS_DATASOURCE	UMS schema user for SOA domain	SOA262_UMS	
279	DB_SCHEMA_PASSWORD	Password for MDS schema user	welcome1	
280	DB_IP	i/p address of MDS db machine	10.180.84.113	
281	DB_PORT	Port of MDS db port	1521	
282	DB_SERVICE_NAME	Service Name of MDS user	P84113A	
283	HOST_SCHEMA_USER	OBP Host Database username	R262_OBP_HOST	
284	HOST_SCHEMA_PASSWORD	OBP Host Database password	welcome1	
285	HOST_DB_IP	OBP Host Database i/p address	10.180.84.113	
286	HOST_DB_PORT	OBP Host Database port	1521	

Sr.No	Name	Description	Example Value	Value
287	HOST_DB_SERVICE_NAME	OBP Host Database service name	P84113A	
288	ONS_NODE	i/p address of ONS service	10.180.84.113	
289	ONS_PORT	Port of ONS service	6250	
290	OPSS_SOA_SCHEMA_USER	SOA OPSS Schema Name	SOA262_OPSS	
291	OPSS_SOA_AUDIT_DBDS	SOA OPSS AUDIT Schema name	SOA262_IAU_APPEND	
292	OPSS_SOA_AUDIT_VIEWDS	SOA OPSS AUDIT VIEWDS Schema name	SOA262_IAU_VIEWER	
293	OPSS_SOA_SCHEMA_PASSWORD	Password of OPSS_SOA_SCHEMA_USER	welcome1	
294	OPSS_SOA_DB_IP	i/p address of SOA OPSS DB.	10.180.84.113	
295	OPSS_SOA_DB_PORT	Port of SOA OPSS DB.	1521	
296	OPSS_SOA_DB_SERVICE_NAME	Service name of SOA OPSS DB.	P84113A	
297	ADMIN_SERVER_LISTEN_ADDRESS	Admin server listen address	10.180.84.112	
298	ADMIN_SERVER_LISTEN_PORT	Admin server listen port	7001	
299	ADMIN_SERVER_SSL_LISTEN_PORT	Admin server SSL listen address	7002	
300	SOA_SERVER_LISTEN_ADDRESS	Listen address of SOA server	10.180.84.112	
301	SOA_SERVER_LISTEN_PORT	Listen port of SOA server	8001	
302	SOA_SERVER_SSL_LISTEN_PORT	SSL Listen port of SOA server	8002	
303	HUMANTASK_SERVER_LISTEN_ADDRESS	Listen address of humantask server	10.180.84.112	
304	HUMANTASK_SERVER_LISTEN_PORT	Listen port of humantask	9001	

3.4 Installation Checklist

Sr.No	Name	Description	Example Value	Value
	PORT	server		
305	HUMANTASK_SERVER_SSL_LISTEN_PORT	SSL listen port of humantask server	9002	
306	BAM_SERVER_LISTEN_ADDRESS	Listen address of BAM server	10.180.84.112	
307	BAM_SERVER_LISTEN_PORT	Listen port of BAM server	9003	
308	BAM_SERVER_SSL_LISTEN_PORT	SSL Listen port of BAM server	9004	
309	HOST_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of HOST admin server	10.180.84.110	
310	HOST_ADMIN_SERVER_LISTEN_PORT	Listen port of HOST admin server	7001	
311	HOST_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of host managed server	10.180.84.110	
312	HOST_MANAGED_SERVER_LISTEN_PORT	Listen port of host managed server	8001	
313	LDAP_PROVIDER	Refers to LDAP Provider .Value will be OID or OVD.	OID	
314	OID_IP	I/P address of the OID server.	10.180.84.113	
315	OID_PORT	Port of the OID process instance.	389	
316	OID_ADMIN_USER	Admin user id which can be used to login of the OID as administrator.	cn	
317	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
318	OID_GROUP_DSN	The DSN used for object class Groups in the OID ldap.	cn=Groups,dc=in,dc=oracle,dc=com	

Sr.No	Name	Description	Example Value	Value
319	OID_USER_DSN	The DSN used for object class Users in the OID ldap.	cn=Users,dc=in,dc=oracle,dc=com	
320	NODE_MGR_PORT	Refers to the port number to be used for the weblogic node manager. This port should either be free on the UI Presentation server or an existing weblogic node manager should be installed to listen on this port when the same is started	5556	
321	SOA_IP	i/p address of SOA server	10.180.84.112	
322	SOA_CLUSTER_NAME	Cluster name of SOA server	obpsoa_cluster1	
323	SOA_SERVER_NAME	Server name of SOA server	soa_server1	
324	HUMAN_TASK_CLUSTER_NAME	Cluster name of Humantask server	obphumantask_cluster1	
325	HUMAN_TASK_SERVER_NAME	Server name of Humantask server	obphumantask_server1	
326	SOA_TARGET	Target folder of SOA machine where files will be copied temporarily during installation	/scratch/install/target	
327	SOA_JAVA_HOME	Refers to the home directory of java installation of the SOA machine. The version of java installed should be 1.8.0 or above. This is used to execute the OBP security	/scratch/app/product/jdk1.8.0_101	

3.4 Installation Checklist

Sr.No	Name	Description	Example Value	Value
		policies policy seeding utility at the end of the installation.		
328	OUI_JAVA_HOME	Refers to the home directory of java installation. The version of java installed should be 1.8.0 . This is used for OBP patching.	/scratch/app/product/jdk1.8.0_101	
329	CENTRAL_INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oraInventory/	
330	SOA_MW_HOME	Refers to the middleware home of the weblogic installation on the SOA server.	/scratch/app/product/fmw	
331	UI_IP	i/p address of UI server	10.180.84.111	
332	UI_UNIX_USER	Linux login user id for UI server	ofssobp	
333	UI_DOMAIN_HOME	Full path of UI domain	/scratch/app/product/fmw/user_projects/domains/ui_domain	
334	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
335	SOA_ADMIN_JVM_PARAMS	SOA domain admin JVM startup parameters	-Xms1024m -Xmx2048m	
336	SOA_HUMAN_TASKSERVER_JVM_PARAMS	SOA domain human task server's JVM startup parameters	-Djbo.ampool. doampooling=false -Xms12g -Xmx12g -XX:NewSize=512m -XX:MaxNewSize	

Sr.No	Name	Description	Example Value	Value
			=2048m -XX: +UseParNewGC -XX:+ CMSParallel RemarkEnabled -XX:+UseConcMark SweepGC -XX:CMSInitiating OccupancyFraction=75 -Dobp.http. maxRetryCount=1 -Dobp.http .socketBufferSize=81	
337	SOA_MANAGED_JVM_PARAMS	SOA domain managed soa server's JVM startup parameters	-XX:NewSize =2048m -XX:MaxNewSize =4096m -XX:+UsePa rNewGC -XX: +CMSPar allelRemarkEnabled -XX:+UseCo ncMarkSweepGC -XX:CMSInit iatingOccupancy Fraction=75 -Xms11g -Xmx11g	
338	KEYSTORE_PASSWORD	Password for generating certificate	welcome1	
339	UI_MANAGED_SERVER_LISTEN_ADDRESS	i/p address of UI Managed server	10.180.84.111	
340	UI_MANAGED_SERVER_LISTEN_PORT	Listen port of UI Managed server	8001	
341	UI_ADMIN_SERVER_LISTEN_ADDRESS	i/p address of UI Admin server	10.180.84.111	
342	UI_ADMIN_SERVER_LISTEN_PORT	Listen port of UI Admin server	7001	
343	DEFAULT_BANK_CODE	Default bank code will be set	8	

Sr.No	Name	Description	Example Value	Value
		while configuring SOA domain		
344	DEFAULT_TRANSACTION_BRANCH_CODE	Default branch code will be set while configuring SOA domain	89999	
345	DEFAULT_TARGET_UNIT	Default target unit will be set while configuring SOA domain	OBP_BU	
346	CARD_USERNAME	Username of Card connector.	orakey	
347	CARD_PASSWORD	Password of Card connector	welcome1	
348	RULE_USERNAME	Username of Rule connector	orakey	
349	RULE_PASSWORD	Password of Rule connector	welcome1	
350	USER_TIMEZONE	Time zone entry	+5:30	
351	SOA_SSL_PASSWORD	Password for configuring SSL in SOA domain	welcome1	
352	REMOTE_EXECUTION	Flag for executing installer remotely	Y	
353	BAM_INSTALLATION	During SOA installation value should be 'N' During BAM installation value should be Y.	N	
354	IPM_USERNAME	Username of IPM connector	ofssobp	
355	IPM_PASSWORD	Password of IPM connector	welcome1	
356	OFFLINE_CHANNEL_OUTBOUND_USERNAME	Username of offline connector	offlineuser	
357	OFFLINE_CHANNEL_OUTBOUND_PASSWORD	Password of offline connector	welcome1	
358	FTP_IPM_USERNAME	Username of FTP_IPM connector	ofssobp	

Sr.No	Name	Description	Example Value	Value
359	FTP_IPM_PASSWORD	Password of FTP_IPM connector	ofssobp123	
360	FTP_IPM_BATCH_USERNAME	Username of FTP_IPM_BATCH connector	ofssobp	
361	FTP_IPM_BATCH_PASSWORD	Password of FTP_IPM_BATCH connector	ofssobp123	
362	SOA_OUTBOUND_USERNAME	Username of SOA connector	weblogic	
363	SOA_OUTBOUND_PASSWORD	Password of SOA connector	weblogic1	
364	IPM_SERVER_IP	i/p address of IPM server	10.180.84.114	
365	IPM_UNIX_USER	Linux login user id for IPM server	ofssobp	
366	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
367	BIP_SERVER_IP	I/P of the BIP server to host OBP reports	10.180.84.115	
368	BIP_SERVER_PORT	Port of the BIP server that hosts OBP reports	9502	
369	BIP_UNIX_USER	Linux login user id for BIP server	ofssobp	
370	BIP_HOME	Oracle BIP Home directory on BIP server	/scratch/app/product/fmw/bi	

3.4.2 Database and WebLogic Domain Configuration

The following table lists the other information which should be kept handy to make this installation easy.

Table 3–4 Oracle Banking Platform DB and WebLogic Domain Configuration

Sr. No.	Name	Description and Example	Value
UI and Host Linux user login details			
1.	UI / Presentation Linux	This is same as INSTALL_AS	

3.4 Installation Checklist

Sr. No.	Name	Description and Example	Value
	server user id	captured in the checklist above.	
2.	UI / Presentation Linux server user password	Password for the user specified against INSTALL_AS.	
3.	Host Linux server user id	This is same as INSTALL_AS captured in the checklist above.	
4.	Host Linux server user password	Password for the user specified against INSTALL_AS.	
Database Details			
5.	IP address of the Oracle Banking Platform Oracle DB server	10.180.90.30	
6.	Port of the Oracle Banking Platform Oracle DB instance	1521	
7.	Oracle Banking Platform DB Service Name	OBPDB	
8.	Oracle Banking Platform DB sys password	*****	
9.	ONS NODE	10.180.90.30, Make sure ons service is started on DB. This is applicable for OBP installation and not applicable for OBEO.	
10.	ONS Port	6250	
Additional UI Install Checklist			
11.	Admin user id and password for the Oracle Banking Platform UI domain.	The default admin user id is WebLogic. Decide on the password to be used and note it.	
12.	List of port numbers for the Oracle Banking Platform UI domain for: Admin server HTTP port for managed server HTTPS port for managed server	Default Values Admin Server Port: 7001 Managed Server http port: 15308 Managed Server https port: 15309	
13.	Password for the key generated to establish trust between the Oracle Banking Platform UI and Host.	Decide on the password to be used and note it. This is required for the post installation tasks of UI domain.	
14.	Password for keystore	Decide on the password to be used	

Sr. No.	Name	Description and Example	Value
	generated to establish trust.	and note it. This is required for the post installation tasks UI domain.	
Additional Host Install Checklist			
15.	Admin user id and password for the Oracle Banking Platform Host domain.	The default admin user id is WebLogic. Decide on the password to be used and note it.	
16.	List of port numbers for the Oracle Banking Platform Host domain for: Admin server HTTP port for managed server HTTPS port for managed server	Default Values Admin Server Port: 7001 Managed Server http port: 15308 Managed Server https port: 15309	
17.	Password for the key generated to establish trust between the Oracle Banking Platform UI and Host.	This is same as password in row 11. This is required for the post installation tasks of host domain.	
18.	Password for keystore generated to establish trust.	This is same as password in row 12. This is required for the post installation tasks of host domain.	

3.5 OID Schema Setup – Custom OBP Schema

This section describes the OID Schema setup which is a pre-installation configuration required for Oracle Banking Platform setup.

3.5.1 Prerequisite – OID setup

It is assumed that OID 11.1.1.9 is installed with ODSM and configured. We can thereafter proceed to the next step of setting up the OBP policy store. OID works better when installed on OEL. See [Section 3.1.2 Software Environment](#) for version information of the software products.

3.5.2 Verify the OID installation

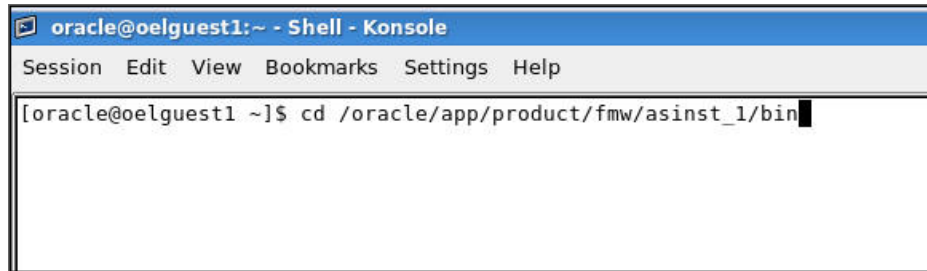
This section describes the procedure to verify the OID installation.

3.5.2.1 Start and Verify the OID processes

Log in to the Linux console with user id `oracle`, navigate to the 'bin' directory of the OID instance and start the OID processes using the commands as follows:

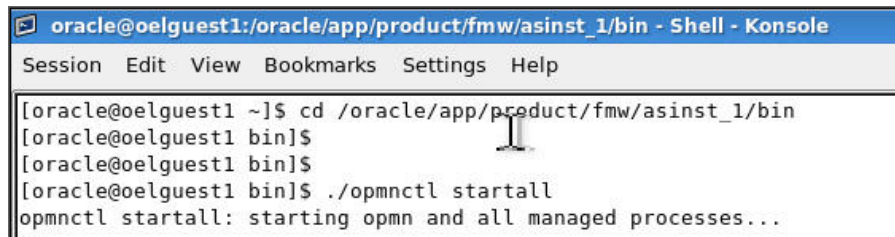
For example, if the OID installation is in `/oracle/app/product/fmw/asinst_1`

```
cd /oracle/app/product/fmw/asinst_1/bin
./opmnctl startall
```

Figure 3–3 Locate the OID Instance


```
oracle@oelguest1:~ - Shell - Konsole
Session Edit View Bookmarks Settings Help
[oracle@oelguest1 ~]$ cd /oracle/app/product/fmw/asinst_1/bin
```

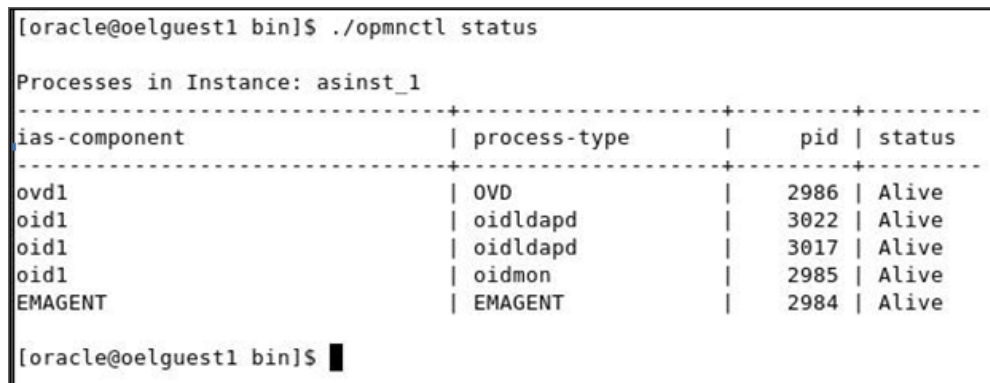
The `./opmnctl startall` command should result in a starting opmn and all managed processes message on the screen.

Figure 3–4 Start the OID Instance


```
oracle@oelguest1:/oracle/app/product/fmw/asinst_1/bin - Shell - Konsole
Session Edit View Bookmarks Settings Help
[oracle@oelguest1 ~]$ cd /oracle/app/product/fmw/asinst_1/bin
[oracle@oelguest1 bin]$
[oracle@oelguest1 bin]$
[oracle@oelguest1 bin]$ ./opmnctl startall
opmnctl startall: starting opmn and all managed processes...
```

After the prompt returns, run the following command to check the status of OID processes:

```
./opmnctl status
```

Figure 3–5 Verify the Status of OID Instance


```
[oracle@oelguest1 bin]$ ./opmnctl status

Processes in Instance: asinst_1
-----+-----+-----+-----+
ias-component | process-type | pid | status
-----+-----+-----+-----+
ovd1          | OVD          | 2986 | Alive
oid1          | oidldapd    | 3022 | Alive
oid1          | oidldapd    | 3017 | Alive
oid1          | oidmon      | 2985 | Alive
EMAGENT      | EMAGENT     | 2984 | Alive
[oracle@oelguest1 bin]$
```

3.5.2.2 OPSS/OID Performance Tuning

The following changes are required in OID before initiating OBP installation:

Parameters

Change the parameter values as provided below.

Table 3–5 Parameter Values to be Changed

Parameter Name	Value
orclmaxcc (Number of DB Connections per Server Process)	10
orclserverprocs (Number of OID LDAP Server Processes)	4
orclgeneratechangelog (Change log Generation)	0
orclldapconntimeout (LDAP Connection Timeout)	60
orclmatchdenabled (Enable MatchDN Processing)	0

Advanced OID tuning

The steps to perform advanced OID tuning are as follows:

1. Create a .ldif file with any name. For example, tune.ldif.
2. Enter the following information in that file and save it:


```
dn: cn=dsconfig,cn=configsets,cn=oracle internet directory
changetype: modify
replace: orclecachemaxsize
orclecachemaxsize: 3g
-
replace: orclecachemaxentries
orclecachemaxentries: 500000
```

Sample tune.ldif file

```
dn: cn=oid1,cn=osldapd,cn=subconfigsubentry
changetype: modify
replace: orclserverprocs
orclserverprocs: 4
```

```
dn: cn=oid1,cn=osldapd,cn=subconfigsubentry
changetype: modify
replace: orclmaxcc
orclmaxcc: 10
```

```
dn: cn=oid1,cn=osldapd,cn=subconfigsubentry
changetype: modify
replace: orclgeneratechangelog
```



```
orclgeneratechangelog: 0
```

```
dn: cn=oid1,cn=osldapd,cn=subconfigsentry
```

```
changetype: modify
```

```
replace: orclldapconntimeout
```

```
orclldapconntimeout: 60
```

```
dn: cn=oid1,cn=osldapd,cn=subconfigsentry
```

```
changetype: modify
```

```
replace: orclmatchdenabled
```

```
orclmatchdenabled: 0
```

3. Then in command prompt, navigate to that directory and run it using the following command:

Note

Ensure that 'ldapmodify' is available on the machine.

```
$ORACLE_HOME/bin/ldapmodify -h <<OIDIP>> -p <<OIDPORT>> -D  
<<OIDUSERNAME>> -w <<OIDPASSWORD>> -f <<FILENAME>>
```

Example:

```
$ORACLE_HOME/bin/ldapmodify -h 10.180.25.116 -p 3060 -D cn=orcladmin -w  
welcome1 -f tune.ldif
```

To execute this example, the following environment variables must be set:

```
ORACLE_HOME
```

```
ORACLE_INSTANCE
```

```
INSTANCE_NAME
```

```
COMPONENT_NAME
```

Here are some default examples:

Figure 3–6 Example of environment variables

```

ofssobp@ofss3131371:/scratch/app/product/fmw/Oracle_IDM1/bin
[ofssobp@ofss3131371 bin]$ echo $ORACLE_HOME
/scratch/app/product/fmw/Oracle_IDM1
[ofssobp@ofss3131371 bin]$ echo $ORACLE_INSTANCE
/scratch/app/product/fmw/asinst_1/
[ofssobp@ofss3131371 bin]$ echo $INSTANCE_NAME
asinst_1
[ofssobp@ofss3131371 bin]$ echo $COMPONENT_NAME
oid1
[ofssobp@ofss3131371 bin]$

```

See the OID Tuning Guide available at http://docs.oracle.com/cd/E23943_01/core.1111/e10108/oid.htm#ASPER99961

Patch for OID:

Download and apply the patch (13879999) for OID performance from <http://support.oracle.com>

OPSS Tuning

The steps to perform advanced OPSS tuning are as follows:

1. IDM Database recommendations

- a. The following table presents the suggested values of parameters and alter scripts executed in system for which the user needs to change the parameters.

Table 3–6 Suggested values for Tuning and Alter Command

Sr. No.	DB Property Name	Suggested Value for Tuning	Alter Command
1	Process	1500	ALTER SYSTEM SET processes = 1500 SCOPE = spfile;
2	SGA Target	3G	ALTER SYSTEM SET sga_target = 3221225472 SCOPE = spfile;
3	Audit Trail	None	ALTER SYSTEM SET audit_sys_operations=FALSE SCOPE =SPFILE; ALTER SYSTEM SET audit_trail = NONE SCOPE = spfile;
4	Open Cursor	500	ALTER SYSTEM SET open_cursors = 500 SCOPE = spfile;
5	PGA_Aggregate_Target	1.5GB	ALTER SYSTEM SET pga_aggregate_target = 1610612736 SCOPE = spfile;
6	NLS Sort	Binary	ALTER SYSTEM SET nls_sort = BINARY SCOPE = spfile;

Sr. No.	DB Property Name	Suggested Value for Tuning	Alter Command
7	Filesystemio_Options	SETALL	ALTER SYSTEM SET filesystemio_options = SETALL SCOPE = spfile;
8	Fast_start_mttr_target	3600	ALTER SYSTEM SET fast_start_mttr_target = 3600 SCOPE = spfile;
9	db_securefile	ALWAYS	ALTER SYSTEM SET db_securefile = ALWAYS SCOPE = spfile;
10	Session_cached_cursors	500	ALTER SYSTEM SET session_cached_cursors = 500 SCOPE = spfile;
11	plsql_code_type	NATIVE	ALTER SYSTEM SET plsql_code_type = NATIVE SCOPE = spfile;
12	_b_tree_bitmap_plans	false	ALTER SYSTEM SET "_b_tree_bitmap_plans" = FALSE scope=spfile;
13	Memory_target	0	ALTER SYSTEM SET memory_target=0 SCOPE = SPFILE;

b. Redo log file.

Allocated Disk Space for Redo Log Files

```
ALTER DATABASE ADD logfile ('<oradata
directory>/ORA4212/redo01.log') SIZE 4G REUSE;

ALTER DATABASE ADD logfile ('<oradata
directory>/ORA4212/redo02.log') SIZE 4G REUSE;

ALTER DATABASE ADD logfile ('<oradata
directory>/ORA4212/redo03.log') SIZE 4G REUSE;
```

c. Undo tablespace.

Increase Disk Space Allocated for UNDO Tablespace

```
ALTER DATABASE DATAFILE '<oradata directory>/ORA4212/undotbs01.dbf'
RESIZE 20G NEXT 1G;
```

2. jps-config.xml (All servers of OBP-UI, OBP-Host, OBP-SOA domains)

a. Remove the following properties from <serviceInstance name="pdp.service" provider="pdp.service.provider"> in jps_config.xml.

```
<property
name="oracle.security.jps.runtime.pd.client.policyDistributionMode" value="mixed"/>
<property
name="oracle.security.jps.runtime.instance.name"
value="OracleIDM"/>
```

```

<property name="oracle.security.jps.runtime.pd.client.sm_
name" value="OracleIDM"/>
<property
name="oracle.security.jps.policystore.refresh.enable"
value="true"/>

```

b. Add following properties:

<DOMAIN-HOME>/config/fmwconfig/jps-config.xml

```

<propertySet name="props.db.1">
<property name="authorization_cache_enabled"
value="true"/>
<property name="connection.pool.min.size" value="20"/>
<property name="connection.pool.max.size" value="40"/>
<property name="connection.pool.provider.type"
value="IDM"/>
<property name="connection.pool.timeout" value="300000"/>
<property name="connection.pool.provider.type"
value="5"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.t
ype" value="STATIC"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.s
trategy" value="NONE"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.s
ize" value="100"/>
<property
name="oracle.security.jps.policystore.policy.lazy.load.e
nable" value="true"/>
<property
name="oracle.security.jps.policystore.policy.cache.strat
egy" value="NONE"/>
<property
name="oracle.security.jps.policystore.policy.cache.size"
value="1000000"/>
<property
name="oracle.security.jps.policystore.refresh.enable"
value="true"/>
<property
name="oracle.security.jps.policystore.refresh.purge.time
out" value="43200000"/>
<property
name="oracle.security.jps.ldap.policystore.refresh.inter
val" value="6000000"/>

```

```
<property
  name="oracle.security.jps.policystore.rolemember.cache.w
  armup.enable" value="true"/>
</propertySet>
```

- c. All the above properties should also be added in the <pdp.service> service-instance.

```
<serviceInstance name="pdp.service"
  provider="pdp.service.provider">
  <description>Runtime PDP service instance</description>
  <property name="authorization_cache_enabled"
    value="true"/>
  <property name="connection.pool.min.size" value="20"/>
  <property name="connection.pool.max.size" value="40"/>
  <property name="connection.pool.provider.type"
    value="IDM"/>
  <property name="connection.pool.timeout" value="300000"/>
  <property name="connection.pool.provider.type"
    value="5"/>
  <property
    name="oracle.security.jps.policystore.rolemember.cache.t
    ype" value="STATIC"/>
  <property
    name="oracle.security.jps.policystore.rolemember.cache.s
    trategy" value="NONE"/>
  <property
    name="oracle.security.jps.policystore.rolemember.cache.s
    ize" value="100"/>
  <property
    name="oracle.security.jps.policystore.policy.lazy.load.e
    nable" value="true"/>
  <property
    name="oracle.security.jps.policystore.policy.cache.strat
    egy" value="NONE"/>
  <property
    name="oracle.security.jps.policystore.policy.cache.size"
    value="1000000"/>
  <property
    name="oracle.security.jps.policystore.refresh.enable"
    value="true"/>
  <property
    name="oracle.security.jps.policystore.refresh.purge.time
    out" value="43200000"/>
  <property
    name="oracle.security.jps.ldap.policystore.refresh.inter
    val" value="6000000"/>
  <property
```

```

name="oracle.security.jps.policystore.rolemember.cache.w
armup.enable" value="true"/>
</serviceInstance>

```

3. adf-config.xml (optional)

In adf-config.xml, maintain **authorizationEnforce="true"**

4. setDomainEnv.sh

In setDomainEnv.sh file, include the following java properties. These are absolutely necessary, if authorizationEnforce = true (previous point).

Table 3–7 Properties

Property	Description
-Djps.combiner.optimize=true	This system property is used to cache the protection domains for a given subject. Setting – <code>Djps.combiner.optimize=true</code> can improve Java authorization performance.
-Djps.combiner.optimize.lazyeval=true	This system property is used to evaluate a subject's protection domain when a checkPermission occurs. Setting – <code>Djps.combiner.optimize.lazyeval=true</code> can improve Java authorization performance.
-Djps.policystore.hybrid.mode=false	This 'hybrid mode' property is used to facilitate transition from SUN java.security.Policy to OPSS Java Policy Provider.
-Djps.authz=ACC	Delegates the call to JDK API <code>AccessController.checkPermission</code> which can reduce the performance impact at run time or while debugging.
DUSE_JAAS=false	
Djps.auth=ACC	Delegates the call to JDK API <code>AccessController.checkPermission</code> which can reduce the performance impact at run time or while debugging.
Djps.auth.debug=false	Turn off debugging. This is turned on to debug access denied errors.
Djps.subject.cache.key=5	JPS uses a Subject Resolver to convert a platform subject to <code>JpsSubject</code> which contains user/enterprise-role information, as well as <code>ApplicationRole</code> information. This information is represented as principals in the subject. Value = 5: Instead of using the whole subject as the key, this settings uses a subset of the principal set inside the subject as the key (actually use principals of <code>WLSUserImpl</code> type). This setting will accelerate the cache retrieval operation if the subject has a large principal set.
Djps.subject.cache.ttl=600000	Cache's Time To Live (TTL) for case '5' (above). This system property controls how long the cache is valid.

Property	Description
	<p>When the time expired, the cached value is dumped. The setting can be controlled by the flag of -Djps.subject.cache.ttl=xxxx, where 'xxx' is the duration in milliseconds.</p> <p>Consider setting the duration of this TTL setting to the same value as the value used for the group and user cache TTL in WLS LDAP authenticator.</p>

Example:

```

JAVA_PROPERTIES="-Djps.combiner.optimize=true -
Djps.combiner.optimize.lazyeval=true -Djps.policystore.hybrid.mode=false
-Djps.authz=ACC ${JAVA_PROPERTIES} ${WLP_JAVA_PROPERTIES}"
export JAVA_PROPERTIES

```

3.5.2.3 Import OBP Specific LDIF files

If OIM (Oracle Identity Manager) is installed as the user provisioning product, use the ldif files from the location <HOST_TARGET>. These ldif files do not contain any predefined users and roles other than some crucial system users that are needed during startup. The privileges of these users are contained. OIM is used for creation of first user in OBP.

If OIM is not part of the ecosystem and an initial sanity test of the OBP installation is needed, the sample ldif files present at the location<HOST_TARGET> can be used for creation of Users and Groups. These sample files can be used directly or can be modified as per requirements. In production after initial verification these users have to be removed.

Note

Ensure that 'ldapadd' and 'ldapmodify' are available on the machine.

1. Extract the 'host.zip' to obtain 'obpinstall-host.zip'. It contains ldif.zip and sampleLdif.zip.
2. Extract ldif.zip. It will create a folder named ldif with ldif files or extract sampleLdif.zip, which will create a folder named ldif, with ldif files as follows:
 - jpsroot.ldif
 - fcPerson.ldif
 - Users.ldif
 - Groups.ldif
 - WebLogic.ldif
 - Administrators.ldif
3. These are to be used and updated in the OID if necessary. The execution commands for uploading these LDIF files are given below. The execution order must be maintained as described.

Table 3–8 Order of Execution

Sr. No.	LDIF File Name	Description
1	Jpsroot	Creates jpsroot and jpscontext
2	fcPerson	Creates fcPerson object class
3	Users	Creates OFSSUser
4	Groups	Creates OFSS_Role and offlinerole
5	WebLogic	Creates WebLogic user
6	Administrators	Creates Administrators Group

4. DNS should be changed as per the requirement of the bank in the LDIF files for:

- Users
- Groups
- WebLogic
- Administrators

Note

While executing fcPerson.ldif, “value already exist” problem may appear in console.

For this problem, the objectClasses value is required to be changed.

It can be found, at the end of the file as:

```
“add:objectClasses
objectClasses:(2.5.6.47”
```

To resolve this problem, change the value (default, it is 2.5.6.47) of object classes, then run it again.

5. Before executing the following commands, navigate to the location where the LDIF files reside (that is, inside LDIF folder) in Host machine, where OpenLDAP has been installed as mentioned in prerequisite section.

ldapadd jpsroot.ldif

```
ldapadd -h $ldapIP -p $ldapPort -D cn=orcladmin -w welcome1 -c -v -f
jpsroot.ldif
```

ldapmodify fcPerson.ldif

```
ldapmodify -h $ldapIP -p $ldapPort -D cn=orcladmin -w welcome1 -c -v -f
fcPerson.ldif
```

ldapadd Users.ldif

```
ldapadd -h $ldapIP -p $ldapPort -D cn=orcladmin -w welcome1 -c -v -f
Users.ldif
```


Idapadd Groups.ldif

```
ldapadd -h $ldapIP -p $ldapPort -D cn=orcladmin -w welcome1 -c -v -f  
Groups.ldif
```

Idapadd WebLogic.ldif

```
ldapadd -h $ldapIP -p $ldapPort -D cn=orcladmin -w welcome1 -c -v -f  
Weblogic.ldif
```

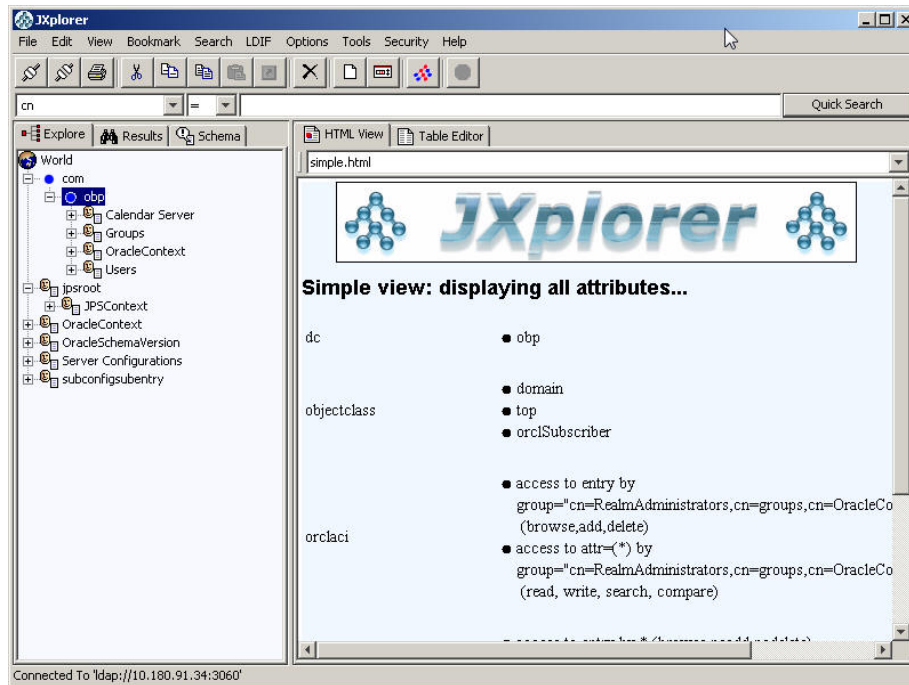
Idapadd Administrators.ldif

```
ldapadd -h $ldapIP -p $ldapPort -D cn=orcladmin -w welcome1 -c -v -f  
Administrators.ldif
```

3.5.2.4 Verify the import using ODSM or JXplorer

The import of Oracle Banking Platform specific LDIF files can be verified using JXplorer.

Figure 3–7 JXplorer



4 Oracle Banking Platform SOA Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Platform SOA (Integration Server) Media pack. The subsequent section refers to the variable names specified in [Section 3.4 Installation Checklist](#).

4.1 Installation and Configuration Procedure

This section details the installation procedure for the Oracle Banking Platform SOA Media Pack.

4.1.1 Preparatory Steps

This section lists the preparatory steps required for the Oracle Banking Platform SOA Media Pack installation.

Step 1 Procuring Installables

Download the appropriate SOA media pack from the following location:

<http://edelivery.oracle.com/>

Step 2 Extracting the Installables

Copy the 'soa.zip' to a local Linux VM or Linux machine from where the installation will be carried out. Extract the 'soa.zip'. Three files will be extracted:

- A zip file 'obpininstall-soa.zip'
- The installation script 'installobpsoa.sh'
- The install configuration property file 'installobpsoa.properties'

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in [Section 3.4 Installation Checklist](#) of this guide and note the values applicable for each point in the last column for 'Value' so that the same is handy during the actual installation.

4.1.2 Pre-Installation Steps

This section lists the pre-installation steps required for the Oracle Banking Platform SOA Media Pack installation.

Step 1 Updating installobpsoa.properties

Navigate to the directory where the files obpininstall-soa.zip, installobpsoa.sh and installobpsoa.properties are placed and update installobpsoa.properties with relevant values from the checklist.

Step 2 Checklist for a new setup

Before initiating installation, check the following:

- Please make sure required RCU schemas have been created. For more information, see [Section 9.1 Pre-Installation Steps](#) and [Section 9.2 Oracle Banking Platform Database Setup – RCU Installation](#).
- Increase the size of tablespace (at least 6GB and the auto extend mode must be on) for MDS, SOAINFRA and OPSS schema used for SOA domain.
- Node manager must not be running on the target machine.
- Create a dummy folder named target and mention its path against SOA_TARGET property.
- Values given in installobpui.properties must be correct. At run time, no option is given to change the values.
- No processes should be running on the ports given in installobpsoa.properties.
- In case of a re-installation ensure that the directory paths against SOA_TARGET and SOA_MW_HOME specified in installobpsoa.properties are cleaned up for traces of any previous installations, as the remote shell copy may not be overwriting in case of any residual file left by the previous run.
- Before initiating the installation, ensure that all the values given in installobpsoa.properties are correct. At the time of installation, the values will only be displayed once for verification, and it will not be possible to change the values once the installation begins.

Step 3 OS Level Tuning

OBP libraries are usually copied on an NFS mount. During startup a lot of time is spent fetching these libraries for classloading and resource loading. The last access time on the files gets imprinted on the file metadata, which actually incurs a WRITE. Since, this is over NFS, this has a performance impact.

The mount points should be mounted using the "noatime" flag to disable updating the access time. This is a recommended parameter as per FMW MAA shared storage WP.

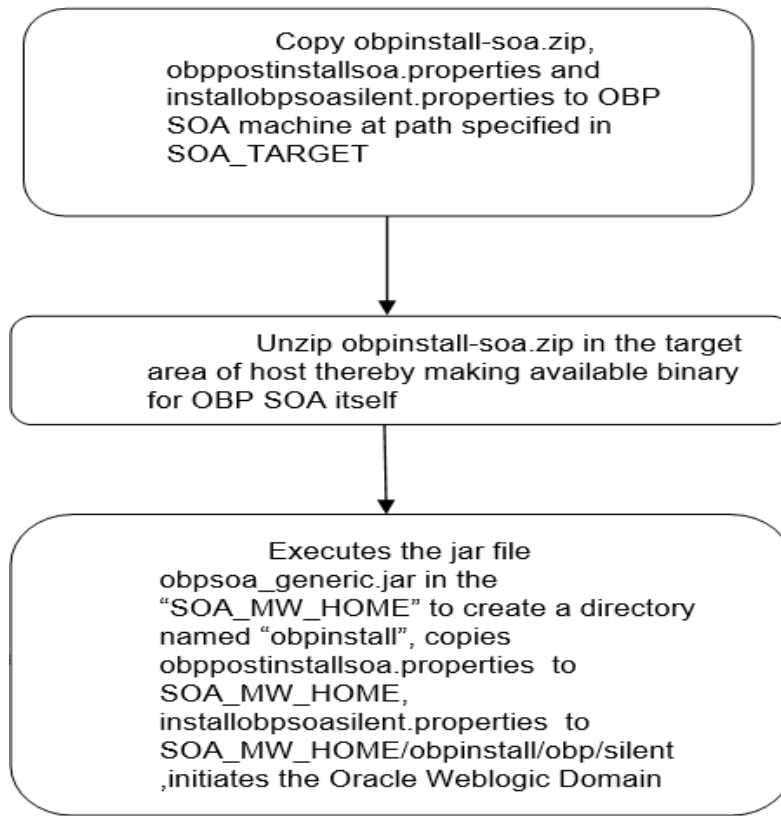
For more information, see Page 12 of the following document:

<http://www.oracle.com/technetwork/database/availability/maa-fmwsharedstoragebestpractices-402094.pdf>

4.1.3 Installation Steps

This section lists the installation steps required for the Oracle Banking Platform SOA Media Pack installation.

1. Navigate to the directory where the media pack files are placed and execute installobpsoa.sh. The installation script shall echo the values entered in the installobpsoa.properties file and ask for a confirmation to go ahead with the installation.
2. The installation script automatically triggers the following significant steps using secure remote copy 'scp' command and remote shell commands execution using the 'ssh' command.

Figure 4–1 Steps in `installobpsoa.sh` script

A sample output is given here.

```
./installobpsoa.sh
```

Figure 4–2 Verification of Properties

```

[ofsso@pmm00406 soa]$ ./installobpsoa.sh
The present working directory is /scratch/install/soa. It is assumed that all installables are present in this directory.
Printing the information entered above
SILENT_INSTALL                : y
LOCAL_IP                      : 10.180.85.159
LOCAL_DISPLAY_VALUE          : 0.0
DOMAIN_NAME                  : base_domain
DOMAIN_DIRECTORY_LOCATION    : /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME            : weblogic
WEBLOGIC_PASSWORD            : weblogic1
MDS_SCHEMA_USER              : PRD$OA_MDS
SOA_INFRASTRUCTURE_SCHEMA_USER : PRD$OA_SOAINFRA
DB_SCHEMA_PASSWORD           : welcome1
DB_IP                        : 10.180.87.84
DB_PORT                      : 1521
DB_SERVICE_NAME              : P8784A
HOST_SCHEMA_USER             : OBP262
HOST_SCHEMA_PASSWORD         : welcome1
HOST_DB_IP                   : 10.180.87.84
HOST_DB_PORT                 : 1521
HOST_DB_SERVICE_NAME         : P8784A
ADMIN_SERVER_LISTEN_ADDRESS  : 10.180.85.159
ADMIN_SERVER_LISTEN_PORT    : 7001
ADMIN_SERVER_SSL_LISTEN_PORT : 7002
SOA_SERVER_LISTEN_ADDRESS   : 10.180.85.159
SOA_SERVER_LISTEN_PORT      : 8001
SOA_SERVER_SSL_LISTEN_PORT  : 8002
HUMANTASK_SERVER_LISTEN_ADDRESS : 10.180.85.159
HUMANTASK_SERVER_LISTEN_PORT : 9001
HUMANTASK_SERVER_SSL_LISTEN_PORT : 9002
HAM_SERVER_LISTEN_ADDRESS   : 10.180.85.159
HAM_SERVER_LISTEN_PORT      : 9003
HAM_SERVER_SSL_LISTEN_PORT  : 9004
HOST_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.159
HOST_MANAGED_SERVER_LISTEN_PORT : 8001
LDAP_PROVIDER                : OID
OID_IP                       : 10.180.87.84

```

Figure 4–3 Verification of Properties

```

OID_IP                       : 10.180.87.84
OID_PORT                    : 389
OID_ADMIN_USER              : cn=orcladmin
OID_ADMIN_PWD               : welcome1
OID_GROUP_DSN               : cn=Groups,dc=in,dc=oracle,dc=com
OID_USER_DSN                : cn=Users,dc=in,dc=oracle,dc=com
OPSS_SOA_SCHEMA_USER        : PRD$OA_OPSS
OPSS_SOA_SCHEMA_PASSWORD    : welcome1
OPSS_SOA_DB_IP              : 10.180.87.84
OPSS_SOA_DB_PORT            : 1521
OPSS_SOA_DB_SERVICE_NAME    : P8784A
NODE_MGR_PORT               : 5555
SOA_IP                      : 10.180.85.159
SOA_CLUSTER_NAME            : obpsoa_cluster1
SOA_SERVER_NAME             : soa_server1
HUMAN_TASK_CLUSTER_NAME     : obphumantask_cluster1
HUMAN_TASK_SERVER_NAME     : obphumantask_server1
SOA_TARGET                  : /scratch/install/itarget
SOA_JAVA_HOME               : /scratch/app/product/jdk1.8.0_101
SUI_JAVA_HOME               : /scratch/app/product/jdk1.8.0_101
CENTRAL_INVENTORY_LOC       : /scratch/app/oraInventory/
SOA_MM_HOME                 : /scratch/app/product/fmw
UI_IP                       : 10.180.85.196
UI_UNIX_USER                : ofsso
UI_DOMAIN_HOME              : /scratch/app/product/fmw/user_projects/domains/ui_domain
INSTALL_AS                  : ofsso
SOA_ADMIN_JVM_PARAMS        : -Xms1024m -Xmx2048m
SOA_MANAGED_JVM_PARAMS      : -XX:NewSize=2048m -XX:MaxNewSize=4096m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Xms8192m -Xmx15360m
SOA_HUMANTASKSERVER_JVM_PARAMS : -Djbo.ampool.doampooling=false -Xms4096m -Xmx8084m -XX:NewSize=512m -XX:MaxNewSize=2048m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Dobp.http.maxRetryCount=1 -Dobp.http.socketBufferSize=8192 -Dobp.http.maxConnectionsPerHost=20 -Dobp.http.expireAndRetry=true -Dobp.http.maxConnectionsPerHost=150 -Dobp.http.connectionTimeout=600000 -Dobp.http.idleTimeoutPollInterval=10000 -Dobp.http.staleCheckEnabled=true
KEYSTORE_PASSWORD           : welcome1
UI_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.196
UI_MANAGED_SERVER_LISTEN_PORT : 8001
DEFAULT_BANK_CODE           : 88
DEFAULT_TRANSACTION_BRANCH_CODE : 089999

```

Figure 4–4 Confirmation to Proceed Domain Installation (cont.)

```

DEFAULT_TRANSACTION_BRANCH_CODE : 009999
DEFAULT_TARGET_UNIT              : OBP_BU
CARD_USERNAME                    : orakey
CARD_PASSWORD                    : welcome1
RULE_USERNAME                   : orakey
RULE_PASSWORD                   : welcome1
USER_TIMEZONE                   : +5:30
SOA_SSL_PASSWORD                : welcome1
REMOTE_EXECUTION                 : Y
BAM_INSTALLATION                 : N
IPM_USERNAME                     : wblogic
IPM_PASSWORD                     : wblogic1
FTP_IPM_USERNAME                 : ofssobp
FTP_IPM_PASSWORD                : ofssobp123
FTP_IPM_BATCH_USERNAME          : ofssobp
FTP_IPM_BATCH_PASSWORD          : ofssobp123
IPM_HOME                         : /scratch/app/product/fmw_ipm/Oracle_ECM1
IPM_SERVER_IP                   : 10.100.0.143
BIP_SERVER_IP                   : 10.100.0.143
BIP_SERVER_PORT                  : 9502
BIP_UNIX_USER                    : ofssobp
BIP_HOME                         : /scratch/app/product/fmw_bip/bi

Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.

```

3. Verify the value of each property carefully before proceeding.
4. If all values are correct, then enter 'Y' or 'y' and press Enter to initiate the installation. The installation utility performs the installation and domain is created silently.

Figure 4–5 Copying and Extraction of obpinstall-soa.zip

```

Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
Y
Installation will begin in sometime.
Please wait while the installables are copied onto the servers.
The authenticity of host '10.100.0.150 (10.100.0.150)' can't be established.
ECDSA key fingerprint is dc:11:29:24:4c:e0:17:08:45:ad:6b:b0:b8:ac:1b:4a.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.100.0.150' (ECDSA) to the list of known hosts.
ofssobp@10.100.0.150's password:
obpinstall-soa.zip                                                    100% 357MB 178.6MB/s 00:02
installobpsilent.properties                                          100% 1551 1.5KB/s 00:00
The configuration of OBP SOA domain shall begin immediately thereafter.
ofssobp@10.100.0.150's password:
Archive: /scratch/install/target/obpinstall-soa.zip
  inflating: /scratch/install/target/obpsoa_generic.jar
  inflating: /scratch/install/target/installdomain.sh
  inflating: /scratch/install/target/installdomain_silent.sh
  inflating: /scratch/install/target/obp-soa-post-install.sh
  inflating: /scratch/install/target/obp-soa-post-install.py
  inflating: /scratch/install/target/update-syncMaxTimeWait.py
  inflating: /scratch/install/target/deployProcesses.py
  inflating: /scratch/install/target/bam.sh
  inflating: /scratch/install/target/metadataSOAupdate.sh
  inflating: /scratch/install/target/encryptPassword.py
  inflating: /scratch/install/target/docutils-0.12.tar.gz
  inflating: /scratch/install/target/JPype1-0.5.7.tar.gz
  inflating: /scratch/install/target/PyYAML-3.11.tar.gz
  inflating: /scratch/install/target/SOAPpy-0.12.5.tar.gz
  inflating: /scratch/install/target/suds-0.4.tar.gz
  inflating: /scratch/install/target/wstools-0.4.3.tar.gz
  extracting: /scratch/install/target/bam.zip
  inflating: /scratch/install/target/bpel-config.xml.xml
  inflating: /scratch/install/target/Plan.xml.tpl
  inflating: /scratch/install/target/BAMCommandConfig.xml.tpl
--> /scratch/app/product/jdk1.8.0_101/bin/java -jar /scratch/install/target/obpsoa_generic.jar -silent ORACLE_HOME=/scratch/app/product/fmw/obpinstall
INVENTORY_LOCATION=/scratch/app/orainventory/

```

Figure 4–6 Copying and Extraction of obpininstall-soa.zip

```
INVENTORY_LOCATION=/scratch/app/orainventory/
Launcher log file is /tmp/OraInstall2018-05-03_02-59-31PM/launcher2018-05-03_02-59-31PM.log.
Extracting files....
Starting Oracle Universal Installer

Checking if CPU speed is above 300 MHz. Actual 2693.561 MHz Passed
Checking swap space: must be greater than 512 MB. Actual 23790572 MB Passed
Checking if this platform requires a 64-bit JVM. Actual 64 Passed (64-bit not required)
Checking temp space: must be greater than 300 MB. Actual 30364 MB Passed

Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2018-05-03_02-59-31PM
Installation Summary
-----
Disk Space : Required 1,338 MB, Available 650,535 MB
Feature Sets to Install:
  OBP SOA Server FeatureSet 2.6.2.0.0
  Next Generation Install Core 13.2.0.0.0
  OPatch 13.2.0.0.0
-----
You can find the log of this install session at:
/tmp/OraInstall2018-05-03_02-59-31PM/install2018-05-03_02-59-31PM.log

Loading products list. Please wait.
-----
..... 1%
-----
..... 40%
-----

Loading products. Please wait.
-----
..... 45%
-----
..... 47%
-----
..... 50%
-----
..... 53%
-----
..... 55%
-----
..... 60%
-----
..... 63%
-----
```

Figure 4–7 Copying and Extraction of obpininstall-soa.zip

```
-----
..... 63%
-----
..... 66%
-----
..... 70%
-----
..... 73%
-----
..... 76%
-----
..... 80%
-----
..... 83%
-----
..... 85%
-----
..... 90%
-----
..... 93%
-----
..... 95%
-----
..... 99%
-----
----- 23% Done.
----- 45% Done.
----- 70% Done.
-----
Installation in progress (Thursday, May 3, 2018 2:59:53 PM IST)
74% Done.
Install successful

Linking in progress (Thursday, May 3, 2018 2:59:53 PM IST)
Link successful

Setup in progress (Thursday, May 3, 2018 2:59:53 PM IST)
Setup successful

Saving inventory (Thursday, May 3, 2018 2:59:53 PM IST)
Saving inventory complete
Configuration complete

End of install phases.(Thursday, May 3, 2018 2:59:53 PM IST)
Logs successfully copied to /scratch/app/orainventory/logs.

Initializing WebLogic Scripting Tool (WLST) ...

Jython scans all the jar files it can find at first startup. Depending on the system, this process may take a few minutes to complete, and WLST may not return a prompt right away.
```

Figure 4–8 Domain Creation Confirmation

```

Python scans all the jar files it can find at first startup. Depending on the system, this process may take a few minutes to complete, and WLS may not
return a prompt right away.

Welcome to WebLogic Server Administration Scripting Shell

Type help() for help on available commands

Domain creation started...
Error: No domain or domain template has been read.
Error: No domain or domain template has been read.
Read domain /scratch/app/product/fmw/user_projects/domains/base_domain to applyJRF
Target JRF components to "obpsoa_cluster1"
Copying JRF configuration files from /scratch/app/product/fmw/oracle_common/modules to /scratch/app/product/fmw/user_projects/domains/base_domain/conf
ig/fmwconfig/servers/soa_server1
Update JRF changes to domain /scratch/app/product/fmw/user_projects/domains/base_domain in offline mode
Target JRF components to "obphumantask_cluster1"
Copying JRF configuration files from /scratch/app/product/fmw/oracle_common/modules to /scratch/app/product/fmw/user_projects/domains/base_domain/conf
ig/fmwconfig/servers/obphumantask_server1
Update JRF changes to domain /scratch/app/product/fmw/user_projects/domains/base_domain in offline mode
Domain created successfully
[ofsobp@mm08abp soa]

```

4.2 Post Installation Configuration

This section describes the post installation configuration procedure for Oracle Banking Platform SOA Media Pack.

Checklist for Post Installation Procedure

Before proceeding with the post installation procedure for SOA, ensure the following:

- Create a backup of the existing file setStartupEnv.sh, and rename setStartupEnvSOA.sh to setStartupEnv.sh Change. This file is present at <middleware home>/user_projects/domains/obpsoadomain/bin.
- Replace /scratch/app/product/fmw path with your middleware home path.
- Node manager is not running on the SOA machine.
 - All values in obppostinstallsoa.properties are correct
 - OID_DOMAIN_NAME given in obppostinstallsoa.properties must not exist.
 - Node manager port should be free. You can verify using the following command, where 5556 is the Node Manager Port.

```
$netstat -na | grep 5556
```

Post Installation Configuration

1. Start the Oracle Banking Platform SOA domain admin WebLogic server by executing the startWebLogic.sh script in the domain directory.

```
cd <middleware home>
cd user_projects/domains/obpsoadomain/bin
./startWebLogic.sh
```

2. Enter the username and password when prompted.
3. Start the managed server – soa_server1.

```
cd <middleware home>
cd user_projects/domains/obpsoadomain/bin
```



```
./startManagedWebLogic.sh soa_server1 t3://localhost:<admin_
server_port>
```

Note

Do not run the post-install as soon as SOA server comes up.

Wait until it loads all the processes and displays the message *SOA platform is running and accepting requests*.

Initiate post-install after getting this message in the console.

- Once the SOA admin and managed servers are running, execute the post install script 'obp-soa-post-install.sh' created under middleware directory just like other domains.
- Navigate to the middleware location and give executable permission to the post install script:

```
$cd <soa middleware home>
```

Then execute following script:

```
$./obp-soa-post-install.sh
```

A sample output is given here:

Figure 4–9 Starting Post Installation

```
[afssobp@mum00abp fmw]$ ./obp-soa-post-install.sh
DOMAIN_NAME                : base domain
DOMAIN_DIRECTORY_LOCATION  : /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME         : weblogic
WEBLOGIC_PASSWORD         : weblogic1
ADMIN_SERVER_LISTEN_ADDRESS : 10.180.85.159
ADMIN_SERVER_LISTEN_PORT   : 7001
SOA_SERVER_LISTEN_ADDRESS  : 10.180.85.159
SOA_SERVER_LISTEN_PORT    : 8001
BAM_SERVER_LISTEN_ADDRESS  : 10.180.85.159
BAM_SERVER_LISTEN_PORT    : 9003
HOST_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.195
HOST_MANAGED_SERVER_LISTEN_PORT   : 8001
LDAP_PROVIDER              : 010
OID_IP                     : 10.180.87.84
OID_PORT                   : 389
OID_ADMIN_USER            : cn=orcladmin
OID_ADMIN_PWD             : welcome1
OID_GROUP_DSN             : cn=Groups,dc=in,dc=oracle,dc=com
OID_USER_DSN              : cn=Users,dc=in,dc=oracle,dc=com
NODE_MGR_PORT             : 5556
SOA_IP                    : 10.180.85.159
SOA_CLUSTER_NAME         : obpsoa_cluster1
SOA_SERVER_NAME          : soa_server1
HUMAN_TASK_CLUSTER_NAME  : obphumantask_cluster1
HUMAN_TASK_SERVER_NAME   : obphumantask_server1
SOA_TARGET               : /scratch/install/target
SOA_JAVA_HOME             : /scratch/app/product/jdk1.8.0_101
SOA_MW_HOME              : /scratch/app/product/fmw
UI_IP                    : 10.180.85.196
UI_UNIX_USER             : ofssobp
UI_DOMAIN_HOME           : /scratch/app/product/fmw/user_projects/domains/ui_domain
INSTALL_AS               : ofssobp
SOA_ADMIN_JVM_PARAMS     : -Xms1024m -Xmx2048m
SOA_MANAGED_JVM_PARAMS   : -XX:NewSize=2048m -XX:MaxNewSize=4096m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Xms8192m -Xmx15360m
SOA_HUMANTASKSERVER_JVM_PARAMS : -Djbo.ampool.doampooling=false -Xms4096m -Xmx6084m -XX:NewSize=512m -XX:MaxNewSize=2048m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Dobp.http.maxRetryCount=1 -Dobp.http.socketBufferSize=8192 -Do
```

Figure 4–10 Starting Post Installation (contd)

```
SOA_HUMANTASKSERVER JVM_PARAMS      : -Djbo.ampool.doampooling=false -Xms4096m -Xmx6084m -XX:NewSize=512m -XX:MaxNewSize=2048m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Dobp.http.maxRetryCount=1 -Dobp.http.socketBufferSize=8192 -Dobp.http.maxConnectionsPerHost=20 -Dobp.http.expireAndRetry=true -Dobp.http.maxConnectionsPerHost=150 -Dobp.http.connectionTimeout=600000 -Dobp.http.idleTimeoutPollInterval=10000 -Dobp.http.staleCheckEnabled=true
KEYSTORE_PASSWORD                  : welcome1
UI_MANAGED_SERVER_LISTEN_ADDRESS    : 10.180.85.196
UI_MANAGED_SERVER_LISTEN_PORT       : 8001
DEFAULT_BANK_CODE                   : 08
DEFAULT_TRANSACTION_BRANCH_CODE     : 089999
DEFAULT_TARGET_UNIT                 : OBP_BU
CARD_USERNAME                       : orakey
CARD_PASSWORD                       : welcome1
RULE_USERNAME                       : orakey
RULE_PASSWORD                       : welcome1
USER_TIMEZONE                       : +5:30
REMOTE_EXECUTION                    : Y
BAM_INSTALLATION                    : N
DB_SCHEMA_PASSWORD                 : welcome1
DB_IP                               : 10.180.87.84
DB_PORT                             : 1521
DB_SERVICE_NAME                     : P8784A
IPM_USERNAME                       : weblogic
IPM_PASSWORD                       : weblogic1
FTP_IPM_USERNAME                    : ofssobp
FTP_IPM_PASSWORD                    : ofssobp123
FTP_IPM_BATCH_USERNAME              : ofssobp
FTP_IPM_BATCH_PASSWORD              : ofssobp123
Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.

```

Figure 4–11 Starting Post Installation (contd)

```
Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
y
Post-installation will begin in sometime...
The authenticity of host '10.180.6.143 (10.180.6.143)' can't be established.
RSA key fingerprint is 36:d8:2d:c8:3f:d1:c3:4e:cd:38:f7:19:48:be:33:8c.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.180.6.143' (RSA) to the list of known hosts.
ofssobp@10.180.6.143's password:
lib8API_v3.jar                               100% 904KB 904.4KB/s 00:00
lib8API_v3.jar copied from BIP machine
ofssobp@10.180.6.143's password:
xdocore.jar                                  100% 9060KB 8.9MB/s 00:00
xdocore.jar copied from BIP machine
ofssobp@10.180.6.143's password:
versioninfo.jar                              100% 6204KB 6.1MB/s 00:00
versioninfo.jar copied from BIP machine
ofssobp@10.180.6.143's password:
imaging-client.jar                           100% 863KB 863.3KB/s 00:00
imaging-client.jar copied from IPM machine
ofssobp@10.180.6.143's password:
oracle.ucm.ridc-11.1.1.jar                   100% 619KB 618.9KB/s 00:00
oracle.ucm.ridc-11.1.1.jar copied from IPM machine
base_domain
*****
** Setting up SOA specific environment...
*****
EXTRA_JAVA_PROPERTIES= -da:org.apache.xmlbeans...
LD_LIBRARY_PATH=:/scratch/app/product/fmw/wlserver/server/native/linux/x86_64:/scratch/app/product/fmw/wlserver/server/native/linux/x86_64/oci920_8
.
*****
** End SOA specific environment setup
*****
Logging WLS stderr to /scratch/app/product/fmw/user_projects/domains/base_domain/servers/AdminServer/stderr.log
Verifying OBP_ORACLE_HOME /scratch/app/product/fmw/obpinstall/obp
Buildfile: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/replace.xml

```

Figure 4–12 Starting Post Installation (contd)

```

Buildfile: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/replace.xml
replace:
[unzip] Expanding: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/Metadata_soa.zip into /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata
[unjar] Expanding: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar into /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources
[delete] Deleting: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar
[jar] Building jar: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar
[zip] Building zip: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/Metadata_updated.zip
[delete] Deleting directory /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata
BUILD SUCCESSFUL
Total time: 10 seconds
Archive: BPELRecoveryConfig.zip
  inflating: recoveryconfig.sh
  inflating: BPELRecoveryConfig.jar
50
Updating RecurringScheduleConfig.maxMessageRaiseSize from 50 to 0
Updating StartupscheduleConfig.maxMessageRaiseSize from 50 to 0
javax.management.openbean.CompositeDataSupport(compositeType=javax.management.openbean.CompositeType(name=RecurringScheduleConfig,items=((itemName=maxMessageRaiseSize,itemType=javax.management.openbean.SimpleType(name=java.lang.Integer)),(itemName=startWindowTime,itemType=javax.management.openbean.SimpleType(name=java.lang.String)),(itemName=stopWindowTime,itemType=javax.management.openbean.SimpleType(name=java.lang.String)),(itemName=subsequentTriggerDelay,itemType=javax.management.openbean.SimpleType(name=java.lang.Long)),(itemName=thresholdTimeInMinutes,itemType=javax.management.openbean.SimpleType(name=java.lang.Integer)))),contents={maxMessageRaiseSize=0, startWindowTime=00:00, stopWindowTime=23:59, subsequentTriggerDelay=300, thresholdTimeInMinutes=10})
null
javax.management.openbean.CompositeDataSupport(compositeType=javax.management.openbean.CompositeType(name=RecoveryConfig,items=((itemName=ClusterConfig,itemType=javax.management.openbean.CompositeType(name=ClusterConfig,items=((itemName=ClusterDbTimeRefresh,itemType=javax.management.openbean.SimpleType(name=java.lang.Long)),(itemName=heartBeatInterval,itemType=javax.management.openbean.SimpleType(name=java.lang.Long)),(itemName=masterAliveThreshold,itemType=javax.management.openbean.SimpleType(name=java.lang.Long)),(itemName=nodeReapInterval,itemType=javax.management.openbean.SimpleType(name=java.lang.Long)),(itemName=nodeReapThreshold,itemType=javax.management.openbean.SimpleType(name=java.lang.Long))))),((itemName=RecurringScheduleConfig,itemType=javax.management.openbean.CompositeType(name=RecurringScheduleConfig,items=((itemName=maxMessageRaiseSize,itemType=javax.management.openbean.SimpleType(name=java.lang.Integer)),(itemName=startWindowTime,itemType=javax.management.openbean.SimpleType(name=java.lang.String)),(itemName=stopWindowTime,itemType=javax.management.openbean.SimpleType(name=java.lang.String)),(itemName=subsequentTriggerDelay,itemType=javax.management.openbean.SimpleType(name=java.lang.Long)),(itemName=thresholdTimeInMinutes,itemType=javax.management.openbean.SimpleType(name=java.lang.Integer))))),((itemName=StartupscheduleConfig,itemType=javax.management.openbean.CompositeType(name=StartupscheduleConfig,items=((itemName=maxMessageRaiseSize,itemType=

```

Figure 4–13 SOA Post Installation Completion

```

[java] </column>
[java] <operator>IN</operator>
[java] <valueList>
[java] <value>http://process.workflow.fc.ofss.com/PerformSettlement/PerformSettlementProcess</value>
[java] <value>http://xmlns.oracle.com/process/com.ofss.fc.approval.SettlementInstructionSpi_ConfirmSkipSettleInstructions/HT_SettlementInstructionSpi_ConfirmSkipSettleInstructions</value>
[java] <value>http://xmlns.oracle.com/process/com.ofss.fc.approval.SettlementInstructionSpi_SubmitSettlementInstruction/HT_SettlementInstructionSpi_SubmitSettlementInstruction</value>
[java] <value>http://xmlns.oracle.com/process/com.ofss.fc.approval.SettlementPayoutSpi_DisburseFunds/HT_SettlementPayoutSpi_DisburseFunds</value>
[java] </valueList>
[java] </clause>
[java] </predicate>
[java] </viewPredicate>
[java] <viewOrdering>
[java] <clause xmlns="http://xmlns.oracle.com/bpel/workflow/taskQuery">
[java] <column>createdDate</column>
[java] <sortOrder>ASCENDING</sortOrder>
[java] <nullFirst>false</nullFirst>
[java] </clause>
[java] </viewOrdering>
[java] <grantees>
[java] <grantee type="GROUP" grantType="SHARE_DEFINITION">
[java] <realm xmlns="http://xmlns.oracle.com/bpel/workflow/common">jazn.com</realm>
[java] <name xmlns="http://xmlns.oracle.com/bpel/workflow/common">Administrators</name>
[java] </grantee>
[java] </grantees>
[java] </userViewDetail>
[java]
[java] [SUCCESS] :: createUserTaskView succeeded for viewName: Settled
BUILD SUCCESSFUL
Total time: 4 seconds
Certificate stored in file <mm00abp.in.oracle.com.cer>
Certificate was added to keystore
Certificate was added to keystore
[ofssobp@mm00abp.fmw]$ █

```

- For monitoring the script run, check the following log files created under the SOA domain directory:

```

deploy-composite-SOA-WLST.log
post-obp-SOA-WLST.log
post-soa-GrantAndPolicySet-log.log
post-soa-taskflow-grants.log

```

update-syncMaxTimeWait.log

obp-soa-install-log.txt

5 Oracle Banking Platform Host Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Platform Host Media pack. The subsequent section refers to the variable names specified in [Section 3.4 Installation Checklist](#).

5.1 Installation and Configuration Procedure

This section details the installation procedure for the Oracle Banking Platform Host Media Pack.

5.1.1 Preparatory Steps

This section lists the preparatory steps required for the Oracle Banking Platform Host Media Pack installation.

Step 1 Procuring Installables

Download the appropriate host media pack from the following location:

<http://edelivery.oracle.com/>

Step 2 Extracting the Installables

Copy the 'host.zip' to a local Linux VM or Linux machine from where the installation will be carried out. Extract the 'host.zip'. Four files will be extracted:

- A zip file 'obpinstall-host.zip'
- The installation script 'installobphost.sh'
- The install configuration property file 'installobphost.properties'
- A zip file 'em_monitor.zip' that is used for monitoring (For more information, see [Chapter 15 Monitoring Servers Using Oracle Enterprise Manager](#)).

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in [Section 3.4 Installation Checklist](#) of this guide and note the values applicable for each point in the last column for "Value" so that the same is handy during the actual installation.

5.1.2 Pre-Installation Steps

This section lists the pre-installation steps required for the Oracle Banking Platform Host Media Pack installation. The procedure can be started after UI pre-installation steps are executed.

Step 1 Updating installobphost.properties

Navigate to the directory where the files obpinstall-host.zip, installobphost.sh and installobphost.properties are placed and update installobphost.properties with relevant values from the checklist.

Step 2 Checklist for a new setup

Before initiating installation on a completely new setup, check the following:

- Please make sure required RCU schemas have been created. For more information, see [Section 9.1 Pre-Installation Steps](#) and [Section 9.2 Oracle Banking Platform Database Setup – RCU Installation](#).
- Node manager must not be running on the target machine.
- Create a dummy folder named as Target and mention its path against HOST_TARGET property.
- In case of re-installation ensure that the directory paths against DOMAIN_DIRECTORY_LOCATION, HOST_TARGET and HOST_MW_HOME specified in installobphost.properties are cleaned up for traces of any previous installations, as the remote shell copy may not be overwriting in case of any residual file left by the previous run.
- No processes should be running on the port in HOST machine given in installobphost.properties.
- Values in installobphost.properties must be correct. At run time no option is given to change them.
- No other schema should exist in db with the same prefix as HOST_DB_SCHEMA_PREFIX specified in installobphost.properties. OBP_HOST_DB_USER should be given on the basis of HOST_DB_SCHEMA_PREFIX.

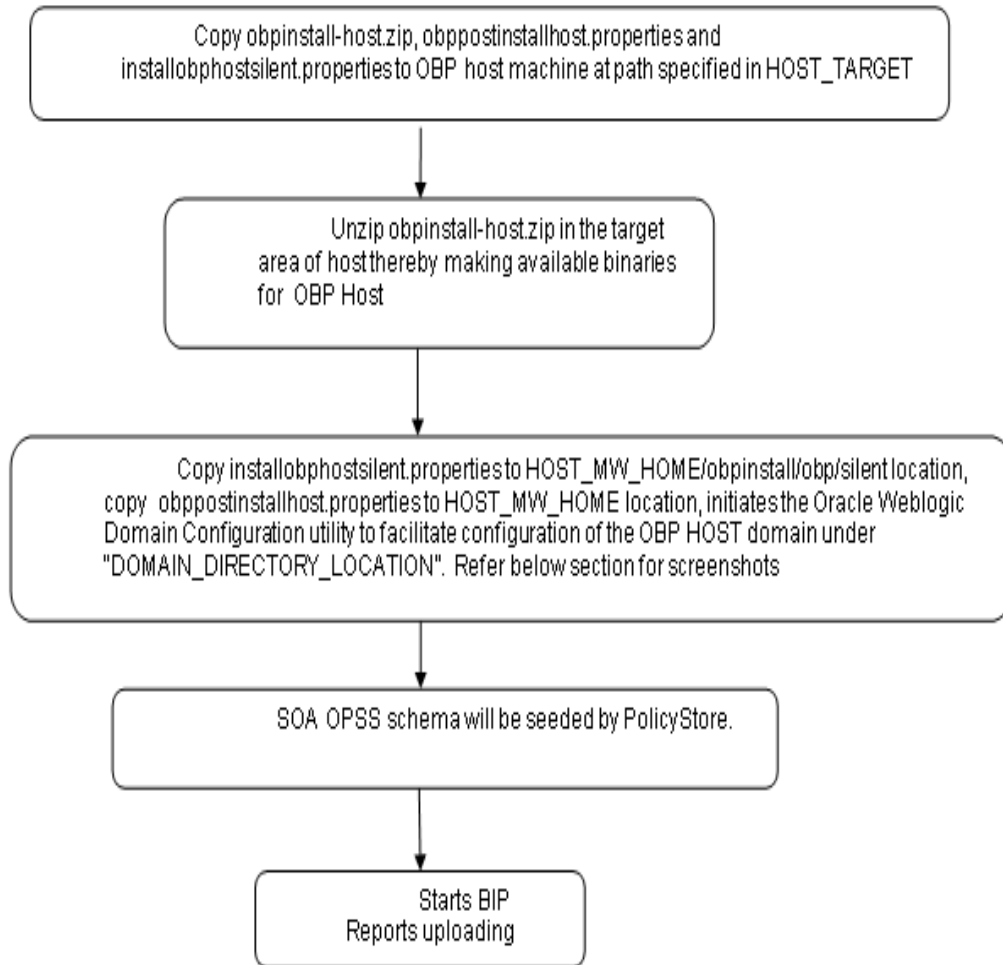
For example, if HOST_DB_SCHEMA_PREFIX is DEV, then OBP_HOST_DB_USER should be DEV_OBP.

- OID_DOMAIN_NAME in installobphost.properties should match with the OID_DOMAIN_NAME given in installobpui.properties. Any other domain with the same name must not exist in OID. The domain in OID will be created in host pre-install.
- OBP_HOST_DB_USER and BIP_DATASOURCE_NAME must be same in installobphost.properties.
- The following schemas are manually created prior to installation and are available for updation in the checklist:
 - OBP_HOST_DB_USER (by RCU)
- MDS_HOST_DB_USER as updated in installobphost.properties and MDS_SCHEMA_USER as updated in installobpui.properties should point to the same MDS db schema.

5.1.3 Installation Steps

This section lists the installation steps required for the Oracle Banking Platform Host Media Pack installation.

1. Navigate to the directory where the media pack files are placed and execute installobphost.sh. The installation script shall echo the values entered in the installobpui.properties file and ask for confirmation to go ahead with the installation.
2. The installation script automatically triggers the following significant steps using secure remote copy 'scp' command and remote shell commands execution using the 'ssh' command.

Figure 5–1 Steps in installobphost.sh script

A sample output is given here.

Figure 5–2 Verification of Properties

```

/scratch/install/host
[ofsobp@mun00adh host]$ ./installobphost.sh
The present working directory is /scratch/install/host. It is assumed that all installables are present in this directory.
Printing the information:
SILENT_INSTALL                : Y
OID_FARM_AND_POLICY_SEEDING_FLAG : Y
BIP_REPORTS_UPLOADING_FLAG    : Y
LOCAL_IP                      : 10.180.85.195
LOCAL_DISPLAY_VALUE           : 0.0
DOMAIN_NAME                   : host_domain
DOMAIN_DIRECTORY_LOCATION     : /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME             : weblogic
WEBLOGIC_PASSWORD             : weblogic1
ADMIN_SERVER_LISTEN_ADDRESS   : 10.180.85.195
ADMIN_SERVER_LISTEN_PORT      : 7001
ADMIN_SERVER_SSL_LISTEN_PORT  : 7002
MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.195
MANAGED_SERVER_LISTEN_PORT   : 8001
MANAGED_SERVER_SSL_LISTEN_PORT : 8002
LDAP_PROVIDER                 : OID
OID_IP                        : 10.180.87.84
OID_ADMIN_USER                : cn=orcladmin
OID_ADMIN_PWD                 : welcome1
OID_GROUP_DSN                 : cn=Groups,dc=in,dc=oracle,dc=com
OID_USER_DSN                  : cn=Users,dc=in,dc=oracle,dc=com
NODE_MGR_PORT                 : 5556
HOST_SERVER_NAME              : obphost_server1
HOST_CLUSTER_NAME             : obphost_cluster1
HOST_IP                       : 10.180.85.195
HOST_TARGET                   : /scratch/install/target
HOST_JAVA_HOME                : /scratch/app/product/jdk1.8.0_101
OUI_JAVA_HOME                 : /scratch/app/product/jdk1.8.0_101
CENTRAL_INVENTORY_LOC        : /scratch/app/oraInventory
HOST_MW_HOME                  : /scratch/app/product/fmw
UI_ADMIN_SERVER_LISTEN_ADDRESS : 10.180.85.196
UI_ADMIN_SERVER_LISTEN_PORT   : 7001
UI_MANAGED_SERVER_SSL_LISTEN_PORT : 8002
SOA_ORACLE_HOME               : soa

```

Figure 5–3 Verification of Properties (contd)

```

SOA_ORACLE_HOME               : soa
SOA_IP                        : 10.180.85.195
SOA_UNIX_USER                 : ofsobp
SOA_MW_HOME                   : /scratch/app/product/fmw
SOA_WEBLOGIC_USERNAME         : weblogic
SOA_WEBLOGIC_PASSWORD         : weblogic1
SOA_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.195
SOA_MANAGED_SERVER_LISTEN_PORT : 8001
SOA_ADMIN_SERVER_LISTEN_PORT  : 7001
UI_IP                         : 10.180.85.196
UI_UNIX_USER                 : ofsobp
UI_DOMAIN_HOME               : /scratch/app/product/fmw/user_projects/domains/ui_domain
INSTALL_AS                   : ofsobp
BIP_SERVER_IP                : 10.180.6.143
BIP_SERVER_PORT              : 9502
BIP_UNIX_USER                 : ofsobp
BIP_HOME                     : /scratch/app/product/fmw_bip/bi
BIP_INSTANCE_PATH            : /scratch/app/product/fmw_bip/user_projects/domains/bi_domain/bidata/service_instances/ssi/metadata/content/catalog/root/users/weblogic
BIP_SERVER_USER              : weblogic
BIP_SERVER_PSWD              : weblogic1
BIP_REPORT_BASE_PATH         : OBP/R262INSTALLER
BIP_DATASOURCE_NAME         : OBP262
IPM_SERVER_IP                : 10.180.6.143
IPM_SERVER_PORT              : 16000
IPM_UNIX_USER                 : ofsobp
IPM_HOME                     : /scratch/app/product/fmw_ipm/Oracle_ECMI
OFSAA_SERVER_IP              : ofsaa-ofss.com
OFSAA_SERVER_PORT            : 17000
OAM_SERVER_IP                : oam-ofss.com
OAM_SERVER_PORT              : 14000
OIM_SERVER_IP                : oim-ofss.com
OIM_SERVER_PORT              : 16000
DOCUMAKER_SERVER_IP         : documaker-ofss.com
DOCUMAKER_SERVER_PORT       : 15000
OBP_HOST_DB_USER             : OBP262
OBP_HOST_DB_PASSWORD        : welcome1
OBP_HOST_DB_IP              : 10.180.87.84

```

Figure 5–4 Verification of Properties (contd)

```

DBP_HOST_DB_IP           : 10.180.87.04
DBP_HOST_DB_PORT        : 1521
DBP_HOST_DB_SERVICE_NAME : P8704A
DMS_HOST_DB_USER         : PRDHOST_M06
DMS_HOST_DB_PASSWORD    : welcome1
DMS_HOST_DB_IP           : 10.180.87.04
DMS_HOST_DB_PORT        : 1521
DMS_HOST_DB_SERVICE_NAME : P8704A
HOST_ADMIN_JVM_PARAMS   : -Xms1024m -Xmx4096m
HOST_MANAGED_JVM_PARAMS : -Xms4096m -Xmx8192m -XX:NewSize=2048m -XX:MaxNewSize=4096m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+U
ieConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75
IPM_OUTBOUND_USERNAME   : weblogic
IPM_OUTBOUND_PASSWORD   : weblogic1
BIP_OUTBOUND_USERNAME   : weblogic
BIP_OUTBOUND_PASSWORD   : weblogic1
OOI_OUTBOUND_USERNAME   : weblogic
OOI_OUTBOUND_PASSWORD   : weblogic1
OTM_OUTBOUND_USERNAME   : weblogic
OTM_OUTBOUND_PASSWORD   : weblogic1
WCM_OUTBOUND_USERNAME   : weblogic
WCM_OUTBOUND_PASSWORD   : weblogic1
OFFLINE_CHANNEL_OUTBOUND_USERNAME : offlineuser
OFFLINE_CHANNEL_OUTBOUND_PASSWORD : welcome1
SAM_ISSUER_OUTBOUND_USERNAME : weblogic
SAM_ISSUER_OUTBOUND_PASSWORD : weblogic1
SPEL_ENCRYPTION_OUTBOUND_USERNAME : weblogic
SPEL_ENCRYPTION_OUTBOUND_PASSWORD : weblogic1
FTP_IPM_OUTBOUND_USERNAME : weblogic
FTP_IPM_OUTBOUND_PASSWORD : weblogic1
BIP_USER_OUTBOUND_USERNAME : weblogic
BIP_USER_OUTBOUND_PASSWORD : weblogic1
SOA_PURGING_OUTBOUND_USERNAME : weblogic
SOA_PURGING_OUTBOUND_PASSWORD : weblogic1
SOA_OUTBOUND_USERNAME   : weblogic
SOA_OUTBOUND_PASSWORD   : weblogic1
ATMUSER_OUTBOUND_USERNAME : ATMUser
ATMUSER_OUTBOUND_PASSWORD : welcome1
POSUSER_OUTBOUND_USERNAME : POSUser

```

Figure 5–5 Verification of Properties (contd)

```

POSUSER_OUTBOUND_USERNAME : POSUser
POSUSER_OUTBOUND_PASSWORD : welcome1
DMSHOST_OUTBOUND_USERNAME : weblogic
DMSHOST_OUTBOUND_PASSWORD : weblogic1
DMSUI_OUTBOUND_USERNAME   : weblogic
DMSUI_OUTBOUND_PASSWORD   : weblogic1
OCH_OUTBOUND_USERNAME     : weblogic
OCH_OUTBOUND_PASSWORD     : weblogic1
KESTORE_PASSWORD          : welcome1
SOA_IP                     : 10.180.85.159
SOA_UNIX_USER              : ofssobp
UI_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.196
UI_MANAGED_SERVER_LISTEN_PORT : 8001
CARD_USERNAME              : orakey
CARD_PASSWORD              : welcome1
RULE_USERNAME              : orakey
RULE_PASSWORD              : welcome1
BAM_USERNAME               : weblogic
BAM_PASSWORD               : weblogic1
USER_TIMEZONE              : +5:30
HOST_SSL_PASSWORD         : welcome1
REMOTE_EXECUTION           : Y
SECURITY_ENABLED           : Y

Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.

```

3. Verify the value of each property carefully before proceeding.
4. If all values are correct, then enter 'Y' or 'y' and press Enter to initiate the installation. The installation

utility performs the installation and domain is created silently.

Figure 5–6 Confirmation and Copying of Installables to Target Machine

```

Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
y
Installation will begin in sometime.
Please wait while the installables are copied onto the servers.
The authenticity of host '10.180.85.195 (10.180.85.195)' can't be established.
ECDSA key fingerprint is d2:0d:11:1e:f1:e3:6c:ca:96:55:94:61:21:3a:56:56.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.180.85.195' (ECDSA) to the list of known hosts.
ofssobp@10.180.85.195's password:
obpinstall-host.zip                               100% 888MB 221.9MB/s 00:04
installobphostsilent.properties                 100% 1317    1.3KB/s 00:00
ofssobp@10.180.85.195's password:
Archive: /scratch/install/target/obpinstall-host.zip
  inflating: /scratch/install/target/obphost_generic.jar
  inflating: /scratch/install/target/obp-host-post-install.sh
  inflating: /scratch/install/target/obp-host-post-install.py
  inflating: /scratch/install/target/installdomain.sh
  inflating: /scratch/install/target/installdomain_silent.sh
  extracting: /scratch/install/target/ldif.zip
  extracting: /scratch/install/target/sampleldif.zip
  inflating: /scratch/install/target/PolicyStoreSetup.tar.gz
  inflating: /scratch/install/target/jps-config.xml.tmp
  inflating: /scratch/install/target/updateSystemDetails.sql.tmp
  inflating: /scratch/install/target/seedoid.sh
  inflating: /scratch/install/target/metadataSOAUpdate.sh
  inflating: /scratch/install/target/encryptPassword.py
  inflating: /scratch/install/target/docutils-0.12.tar.gz
  inflating: /scratch/install/target/JPype1-0.5.7.tar.gz
  inflating: /scratch/install/target/PyYAML-3.11.tar.gz
  inflating: /scratch/install/target/SOAPpy-0.12.5.tar.gz
  inflating: /scratch/install/target/suds-0.4.tar.gz
  inflating: /scratch/install/target/wstools-0.4.3.tar.gz
Finished copying the installables to the target server.
The configuration of OBP Host domain shall begin immediately thereafter. Press any key to begin.
Installation will begin in Silent Mode in sometime. Please wait for the first screen to come up
ofssobp@10.180.85.195's password:
--> /scratch/app/product/jdk1.8.0_101/bin/java -jar /scratch/install/target/obphost_generic.jar -silent ORACLE_HOME=/scratch/app/product/fmw/obpinstal

```

Figure 5–7 Confirmation and Copying of Installables to Target Machine (contd)

```

Installation will begin in Silent Mode in sometime. Please wait for the first screen to come up
ofssobp@10.180.85.195's password:
--> /scratch/app/product/jdk1.8.0_101/bin/java -jar /scratch/install/target/obphost_generic.jar -silent ORACLE_HOME=/scratch/app/product/fmw/obinstal
l INVENTORY_LOCATION=/scratch/app/oraInventory
Launcher log file is /tmp/OraInstall2018-05-03_02-55-30PM/launcher2018-05-03_02-55-30PM.log.
Extracting files.....
Starting Oracle Universal Installer

Checking if CPU speed is above 300 MHz. Actual 2693.527 MHz Passed
Checking swap space: must be greater than 512 MB. Actual 16957324 MB Passed
Checking if this platform requires a 64-bit JVM. Actual 64 Passed (64-bit not required)
Checking temp space: must be greater than 300 MB. Actual 30062 MB Passed

Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2018-05-03_02-55-30PM
.....
Installation Summary
.....
Disk Space : Required 827 MB, Available 295,999 MB
Feature Sets to Install:
  OBP Host Server FeatureSet 2.6.2.0.0
  Next Generation Install Core 13.2.0.0.0
  OPatch 13.2.0.0.0
.....
You can find the log of this install session at:
  /tmp/OraInstall2018-05-03_02-55-30PM/install2018-05-03_02-55-30PM.log

Loading products list. Please wait.
..... 1%
..... 40%

Loading products. Please wait.
..... 44%
..... 47%
..... 50%
..... 53%
..... 56%

```

Figure 5–8 Confirmation and Copying of Installables to Target Machine (contd)

```

..... 56%
..... 60%
..... 63%
..... 66%
..... 70%
..... 73%
..... 76%
..... 80%
..... 83%
..... 86%
..... 90%
..... 93%
..... 96%
..... 99%

..... 37% Done.
..... 75% Done.
.....
Installation in progress (Thursday, May 3, 2018 2:55:53 PM IST)
  98% Done.

Install successful

Linking in progress (Thursday, May 3, 2018 2:55:53 PM IST)
Link successful

Setup in progress (Thursday, May 3, 2018 2:55:53 PM IST)
Setup successful

Saving inventory (Thursday, May 3, 2018 2:55:53 PM IST)
Saving inventory complete
Configuration complete

End of install phases.(Thursday, May 3, 2018 2:55:54 PM IST)
Logs successfully copied to /scratch/app/oraInventory/logs.

Initializing WebLogic Scripting Tool (WLST) ...

Jython scans all the jar files it can find at first startup. Depending on the system, this process may take a few minutes to complete, and WLST may no

```

5. After copying, there is host DB schema creation and seeding. After extracting the installables, the domain gets installed and a confirmation message is shown.

Figure 5–9 Domain Installation Confirmation

```

Saving inventory (Monday, April 30, 2018 5:15:45 PM IST)
Saving inventory complete
Configuration complete

End of install phases.(Monday, April 30, 2018 5:15:45 PM IST)
Logs successfully copied to /scratch/app/oraInventory/logs.

Initializing WebLogic Scripting Tool (WLST) ...

Jython scans all the jar files it can find at first startup. Depending on the system, this process may take a few minutes to complete, and WLST may not return a prompt right away.

Welcome to WebLogic Server Administration Scripting Shell

Type help() for help on available commands

Domain creation started...
Read domain /scratch/app/product/fmw/user_projects/domains/host_domain to applyJRF
Target JRF components to "obphost_cluster1"
Copying JRF configuration files from /scratch/app/product/fmw/oracle_common/modules /scratch/app/product/fmw/user_projects/domains/host_domain/config/fmwconfig/servers/obphost_server1
Update JRF changes to domain /scratch/app/product/fmw/user_projects/domains/host_domain in offline mode
Domain created successfully.
    
```

6. After completion of domain installation, it will proceed to seeding.

Figure 5–10 Untar the policyStoreSetup and Copy on destination location

```

OID configuration will begin now
ofssobp@10.180.85.195's password:
ofssobp@10.180.85.195's password:
ofssobp@10.180.85.195's password:
PolicyStoreSetup/
PolicyStoreSetup/lib/
PolicyStoreSetup/lib/poi-3.10.1.20140818.jar
PolicyStoreSetup/addMatrixBasedPolicies.sh
PolicyStoreSetup/PolicyStoreDiagnosticsUtility.properties
PolicyStoreSetup/PolicyStoreSetup.jar
PolicyStoreSetup/Diagnosis/
PolicyStoreSetup/README.txt
PolicyStoreSetup/migratePolicies.sh
PolicyStoreSetup/logs/
PolicyStoreSetup/refreshPolicyStoreFromLatestApplicationDataMap.sh
PolicyStoreSetup/RunPolicyStoreDiagnosis.sh
PolicyStoreSetup/PolicyStoreSetup.sh
PolicyStoreSetup/PolicyMigrator.sh
PolicyStoreSetup/lib12212/
PolicyStoreSetup/lib12212/eclipselink.jar
PolicyStoreSetup/lib12212/jps-unsupported-api.jar
PolicyStoreSetup/lib12212/ojdbc7.jar
PolicyStoreSetup/lib12212/javax.persistence.jar
PolicyStoreSetup/lib12212/javax.persistence.jar
PolicyStoreSetup/lib12212/jps-api.jar
PolicyStoreSetup/lib12212/identitystore.jar
PolicyStoreSetup/lib12212/javax.faces.jsf-api.jar
PolicyStoreSetup/lib12212/identitydirectory.jar
PolicyStoreSetup/lib12212/jps-wls.jar
PolicyStoreSetup/lib12212/adf-share-security.jar
PolicyStoreSetup/lib12212/javax.security.jacc.jar
PolicyStoreSetup/lib12212/identityutils.jar
PolicyStoreSetup/lib12212/adf-controller-security.jar
PolicyStoreSetup/lib12212/ojdl.jar
PolicyStoreSetup/lib12212/osdt_xmlsec.jar
PolicyStoreSetup/lib12212/org.openliberty.openaz.azapi_1.1.jar
PolicyStoreSetup/lib12212/osdt_wss.jar
PolicyStoreSetup/lib12212/jps-wls-trustprovider.jar
PolicyStoreSetup/lib12212/jps-se.jar
PolicyStoreSetup/lib12212/jps-az-rt.jar
PolicyStoreSetup/lib12212/jps-patching.jar
PolicyStoreSetup/lib12212/jps-common.jar
PolicyStoreSetup/lib12212/jps-platform.jar
PolicyStoreSetup/lib12212/osdt_saml.jar
PolicyStoreSetup/lib12212/osdt_cert.jar
PolicyStoreSetup/lib12212/jps-pep.jar
PolicyStoreSetup/lib12212/jps-manifest.jar
PolicyStoreSetup/lib12212/jps-mbeans.jar
PolicyStoreSetup/lib12212/osdt_core.jar
PolicyStoreSetup/lib12212/jps-az-management.jar
PolicyStoreSetup/lib12212/wsm-policy-core.jar
PolicyStoreSetup/lib12212/dms.jar
PolicyStoreSetup/lib12212/osdt_ws_sx.jar
PolicyStoreSetup/lib12212/jps-internal.jar
    
```

Figure 5–11 Untar the policyStoreSetup and Copy on destination location (contd)

```

adf-controller-security.jar          100% 2255    2.2KB/s  00:00
jps-ee.jar                          100%  79KB   78.5KB/s  00:00
ojdl.jar                             100% 332KB  332.4KB/s  00:00
org.openliberty.openaz.azapi_1.1.jar 100%  52KB   52.2KB/s  00:00
identitystore.jar                   100% 471KB  471.3KB/s  00:00
identitydirectory.jar               100% 270KB  270.0KB/s  00:00
javax.security.jacc.jar              100%  51KB   51.0KB/s  00:00
jps-audit.jar                       100% 892KB  891.6KB/s  00:00
adf-share-security.jar              100%  22KB   22.0KB/s  00:00
jps-sidm-api.jar                    100% 4326    4.2KB/s  00:00
jps-common.jar                      100% 1519KB  1.5MB/s  00:00
dms.jar                             100% 2253KB  2.2MB/s  00:00
jps-internal.jar                   100% 6636KB  6.5MB/s  00:00
osdt_saml2.jar                      100% 281KB  280.9KB/s  00:00
identityutils.jar                   100% 211KB  210.8KB/s  00:00
javax.faces.jsf-api.jar             100% 355KB  355.3KB/s  00:00
eclipseLink.jar                     100% 8865KB  8.7MB/s  00:00
jps-az-common.jar                   100% 407KB  407.0KB/s  00:00
fmw_audit.jar                       100% 1148    1.1KB/s  00:00
osdt_wss.jar                        100% 186KB  186.4KB/s  00:00
osdt_ws_sx.jar                      100% 241KB  240.8KB/s  00:00
jps-az-management.jar               100% 314KB  314.4KB/s  00:00
oraclepki.jar                       100% 295KB  295.4KB/s  00:00
ojdbc6dms.jar                       100% 4325KB  4.2MB/s  00:00
UIComponentsDiagnosticHelper.sh      100% 167     0.2KB/s  00:00
README_UPGRADE.txt                  100% 5060    4.9KB/s  00:00
jps-config.xml(db)                  100% 4324    4.2KB/s  00:00
jps-config.xml                       100% 4331    4.2KB/s  00:00
refreshMatrixAuthPolicies.sh         100%  39     0.0KB/s  00:00
PolicyMigrator.sh                   100% 170     0.2KB/s  00:00
Connection to 10.180.85.195 closed.
ofssobp@10.180.85.195's password:
ofssobp@10.180.85.195's password:
seedOIDDomain.sh                    100% 1427    1.4KB/s  00:00
ofss-oid-silent-seedOIDDomain.py     100% 5013    4.9KB/s  00:00
createDummyDomainAndStartSeedingOID.sh 100%  828    0.8KB/s  00:00
oid-configure-silent.properties     100%  352    0.3KB/s  00:00
ofss-oid-silent-createOIDDomain.py   100% 2533    2.5KB/s  00:00

```

Figure 5–12 Untar the policyStoreSetup and Copy on destination location (contd)

```

ofss-oid-silent-createOIDDomain.py          100% 2533   2.5KB/s  00:00
installobphostsilent.py                    100% 6774   6.6KB/s  00:00
jmscollateralmodule-jms.xml                 100% 1255   1.2KB/s  00:00
jmsoriginatonmodule-jms.xml                 100% 2247   2.2KB/s  00:00
jmsasyncauditmodule-jms.xml                 100% 1630   1.6KB/s  00:00
jmspricinganalysismodule-jms.xml           100% 1676   1.6KB/s  00:00
jmsodimodule-jms.xml                        100% 1567   1.5KB/s  00:00
jmsanalyticsmodule-jms.xml                  100% 2032   2.0KB/s  00:00
jmsreportmodule-jms.xml                     100% 1628   1.6KB/s  00:00
jmsworkflowmodule-jms.xml                   100% 2217   2.2KB/s  00:00
readme.txt                                  100% 133    0.1KB/s  00:00
jmsdomainpublishmodule-jms.xml              100% 1579   1.5KB/s  00:00
jmspartymodule-jms.xml                      100% 1961   1.9KB/s  00:00
jmspaymentmodule-jms.xml                    100% 2433   2.4KB/s  00:00
jmsbatchmodule-jms.xml                      100% 4768   4.7KB/s  00:00
jmscasamodule-jms.xml                       100% 1664   1.6KB/s  00:00
jmsrulemodule-jms.xml                       100% 1664   1.6KB/s  00:00
jmscollectionmodule-jms.xml                 100% 1509   1.5KB/s  00:00
jmsaccountingmodule-jms.xml                 100% 5343   5.2KB/s  00:00
jmsdocumentoutboundModule-jms.xml           100% 1706   1.7KB/s  00:00
installobphostsilent.properties             100% 1317   1.3KB/s  00:00
Connection to 10.180.85.195 closed.
ofssobp@10.180.85.195's password:
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/createDummyDomainAndStartSeedingOID.sh to Unix format ...
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/ofss-oid-silent-createOIDDomain.py to Unix format ...
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/ofss-oid-silent-seedOIDDomain.py to Unix format ...
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/oid-configure-silent.properties to Unix format ...
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/seedOIDDomain.sh to Unix format ...
Archive: /scratch/app/product/fmw/obpoidinstall/PolicyStoreSetup/UtilityConfig/UIComponents_new.zip
  inflating: UIComponents_new.csv
Start Time : May 3, 2018 2:59:42 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules.csv

Application Policy=OBP with policy domain =OBP will be created.

Do you want to continue?(y/n)
y

```

Figure 5–13 Policy Seeding

```

Application Policy=OBP with policy domain =OBP will be created.
Do you want to continue?(y/n)
y
No of resources populated = 14080
No of resources added = 14076, time taken = 329
*****Please wait while the Access Policies are being seeded in to the Policy Domain*****
Start Time : Apr 30, 2018 5:25:38 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-1.csv
Start Time : Apr 30, 2018 5:25:53 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-2.csv
Start Time : Apr 30, 2018 5:26:08 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-3.csv
Start Time : Apr 30, 2018 5:26:23 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-4.csv
Start Time : Apr 30, 2018 5:26:39 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv
Start Time : Apr 30, 2018 5:26:54 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-6.csv
File = /UtilityConfig/FactoryShippedAccessPolicyRules-1.csv, Policies to be added=600
Start Time : Apr 30, 2018 5:27:09 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv
*****Please wait while Matrix Based Access Policies are being seeded in to the Policy Domain*****
Start Time : Apr 30, 2018 5:27:24 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules.csv
End Time : Apr 30, 2018 5:27:34 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-1.csv, Policies added=589, Duplicate policies=0, time taken=
116
File = /UtilityConfig/FactoryShippedAccessPolicyRules-2.csv, Policies to be added=500
End Time : Apr 30, 2018 5:28:03 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-2.csv, Policies added=444, Duplicate policies=6, time taken=
129
File = /UtilityConfig/FactoryShippedAccessPolicyRules-3.csv, Policies to be added=0
End Time : Apr 30, 2018 5:28:08 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-3.csv, Policies added=0, Duplicate policies=0, time taken=12
0
File = /UtilityConfig/FactoryShippedAccessPolicyRules-4.csv, Policies to be added=1101
File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies to be added=9203
File = /UtilityConfig/FactoryShippedAccessPolicyRules-6.csv, Policies to be added=3331
File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies to be added=4223
End Time : Apr 30, 2018 5:30:17 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-4.csv, Policies added=1070, Duplicate policies=0, time taken
=233

```


Figure 5–14 Policy Seeding (contd)

```
File = /UtilityConfig/FactoryShippedAccessPolicyRules-1.csv, Policies to be added=600
Start Time : Apr 30, 2018 5:27:09 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv
*****Please wait while Matrix Based Access Policies are being seeded in to the Policy Domain*****
Start Time : Apr 30, 2018 5:27:24 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules.csv
End Time : Apr 30, 2018 5:27:34 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-1.csv, Policies added=589, Duplicate policies=0, time taken=
116
File = /UtilityConfig/FactoryShippedAccessPolicyRules-2.csv, Policies to be added=500
End Time : Apr 30, 2018 5:28:03 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-2.csv, Policies added=444, Duplicate policies=6, time taken=
129
File = /UtilityConfig/FactoryShippedAccessPolicyRules-3.csv, Policies to be added=0
End Time : Apr 30, 2018 5:28:08 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-3.csv, Policies added=0, Duplicate policies=0, time taken=12
0
File = /UtilityConfig/FactoryShippedAccessPolicyRules-4.csv, Policies to be added=1101
File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies to be added=9203
File = /UtilityConfig/FactoryShippedAccessPolicyRules-6.csv, Policies to be added=3331
File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies to be added=4223
End Time : Apr 30, 2018 5:30:17 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-4.csv, Policies added=1070, Duplicate policies=0, time taken
=233
File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies added=1287, duplicate policies=221
File = /UtilityConfig/FactoryShippedAccessPolicyRules-6.csv, Policies added=1429, duplicate policies=65
File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies added=1486, duplicate policies=57
End Time : Apr 30, 2018 5:35:56 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-6.csv, Policies added=3263, Duplicate policies=65, time take
n=542
File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies added=3609, duplicate policies=221
File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies added=3747, duplicate policies=150
End Time : Apr 30, 2018 5:37:46 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies added=4058, Duplicate policies=165, time tak
en=636
File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies added=7077, duplicate policies=222
End Time : Apr 30, 2018 5:44:22 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies added=8981, Duplicate policies=222, time tak
en=1063
```

Figure 5–15 BIP Reports Upload

```

BIP Reports are being uploaded now
ofssobp@10.100.6.143's password:
Warning: untrusted X11 forwarding setup failed: xauth key data not generated
ofssobp@10.100.85.195's password:
ofssobp@10.100.6.143's password:
TDS001.xdoz          100% 13KB 12.8KB/s 00:00
TDS001.rtf           100% 55KB 54.7KB/s 00:00
TDS001.xdmz         100% 2168 2.1KB/s 00:00
CSWHTX00001.xdmz    100% 2249 2.2KB/s 00:00
CSWHTX00001.xdoz    100% 13KB 12.8KB/s 00:00
CSWHTX00001.rtf     100% 64KB 64.0KB/s 00:00
PL001.rtf           100% 426KB 425.5KB/s 00:00
PL001.xsl           100% 120KB 120.2KB/s 00:00
PL001.xdoz          100% 11KB 11.5KB/s 00:00
PL001.xdmz          100% 2950 2.9KB/s 00:00
PL004.rtf           100% 318KB 318.5KB/s 00:00
PL004VD.xsl        100% 98KB 98.5KB/s 00:00
PL004VD.xdoz       100% 30KB 30.0KB/s 00:00
PL004VD.xdmz       100% 2569 2.5KB/s 00:00
PL003.rtf           100% 304KB 304.1KB/s 00:00
PL003.xdoz         100% 33KB 33.2KB/s 00:00
PL003.xsl          100% 83KB 83.4KB/s 00:00
PL003.xdmz         100% 2425 2.4KB/s 00:00
PL008.xsl          100% 82KB 82.1KB/s 00:00
PL008.xdmz         100% 2688 2.6KB/s 00:00
PL008.xdoz         100% 25KB 24.9KB/s 00:00
PL008.rtf          100% 264KB 264.3KB/s 00:00
PL009.xsl          100% 66KB 65.9KB/s 00:00
PL009.xdmz         100% 2421 2.4KB/s 00:00
PL009.rtf          100% 280KB 280.2KB/s 00:00
PL009.xdoz         100% 28KB 28.2KB/s 00:00
PL011.xsl          100% 75KB 75.1KB/s 00:00
PL011.xdmz         100% 2077 2.0KB/s 00:00
PL011.rtf          100% 304KB 304.3KB/s 00:00
PL011.xdoz         100% 30KB 29.9KB/s 00:00

```

Figure 5–16 BIP Reports Upload (contd)

```
ofssobp@10.180.6.143's password:
Warning: untrusted X11 forwarding setup failed: xauth key data not generated
Archive: /scratch/app/product/fmw_bip/bi/clients/bipublisher/reportscripts.zip
  inflating: /scratch/app/product/fmw_bip/bi/clients/bipublisher/ngpUploadReports.sh
  inflating: /scratch/app/product/fmw_bip/bi/clients/bipublisher/ngpUpdateUrlAndDataSource.sh
mkdir: cannot create directory 'fc_lib': File exists
[import] Connect to http://10.180.6.143:9502/xmlpserver/ using weblogic
May 10, 2018 3:20:14 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "BR106.xdmz" from "/scratch/app/product/fmw_bip/bi/clients/obpdeploy/ob_reports/ob_reports/TP/BR106" to "~weblogicOBP/R262INSTALLER/ob_reports/TP/BR106/BR106.xdm"
[import] Connect to http://10.180.6.143:9502/xmlpserver/ using weblogic
May 10, 2018 3:20:15 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "BR106.xdoz" from "/scratch/app/product/fmw_bip/bi/clients/obpdeploy/ob_reports/ob_reports/TP/BR106" to "~weblogicOBP/R262INSTALLER/ob_reports/TP/BR106/BR106.xdo"
[import] Connect to http://10.180.6.143:9502/xmlpserver/ using weblogic
May 10, 2018 3:20:16 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "BR105.xdoz" from "/scratch/app/product/fmw_bip/bi/clients/obpdeploy/ob_reports/ob_reports/TP/BR105" to "~weblogicOBP/R262INSTALLER/ob_reports/TP/BR105/BR105.xdo"
[import] Connect to http://10.180.6.143:9502/xmlpserver/ using weblogic
May 10, 2018 3:20:17 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "BR105.xdmz" from "/scratch/app/product/fmw_bip/bi/clients/obpdeploy/ob_reports/ob_reports/TP/BR105" to "~weblogicOBP/R262INSTALLER/ob_reports/TP/BR105/BR105.xdm"
```

Figure 5–17 BIP Reports Upload (contd)

```

May 10, 2018 3:28:14 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "BUNDLEEEARN.xdmz" from "/scratch/app/product/fmw_bip/bi/clients/obpdeploy/ob.reports/ob.reports/BN/BUNDLEEEARN" to "~weblogicOBP/R262IN
STALLER/ob.reports/BN/BUNDLEEEARN/BUNDLEEEARN.xdm"
[import] Connect to http://10.180.6.143:9502/xmlpserver/ using weblogic
May 10, 2018 3:28:15 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "BUNDLEEEARN.xdoz" from "/scratch/app/product/fmw_bip/bi/clients/obpdeploy/ob.reports/ob.reports/BN/BUNDLEEEARN" to "~weblogicOBP/R262IN
STALLER/ob.reports/BN/BUNDLEEEARN/BUNDLEEEARN.xdo"
[import] Connect to http://10.180.6.143:9502/xmlpserver/ using weblogic
May 10, 2018 3:28:16 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "BUNDLEEXCP.xdmz" from "/scratch/app/product/fmw_bip/bi/clients/obpdeploy/ob.reports/ob.reports/BN/BUNDLEEXCP" to "~weblogicOBP/R262IN
STALLER/ob.reports/BN/BUNDLEEXCP/BUNDLEEXCP.xdm"
[import] Connect to http://10.180.6.143:9502/xmlpserver/ using weblogic
May 10, 2018 3:28:17 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "BUNDLEEXCP.xdoz" from "/scratch/app/product/fmw_bip/bi/clients/obpdeploy/ob.reports/ob.reports/BN/BUNDLEEXCP" to "~weblogicOBP/R262IN
STALLER/ob.reports/BN/BUNDLEEXCP/BUNDLEEXCP.xdo"
[import] Connect to http://10.180.6.143:9502/xmlpserver/ using weblogic
May 10, 2018 3:28:18 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "BEFEES.xdoz" from "/scratch/app/product/fmw_bip/bi/clients/obpdeploy/ob.reports/ob.reports/BN/BEFEES" to "~weblogicOBP/R262INSTALLER/
ob.reports/BN/BEFEES/BEFEES.xdo"
[import] Connect to http://10.180.6.143:9502/xmlpserver/ using weblogic
May 10, 2018 3:28:19 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "BEFEES.xdmz" from "/scratch/app/product/fmw_bip/bi/clients/obpdeploy/ob.reports/ob.reports/BN/BEFEES" to "~weblogicOBP/R262INSTALLER/
ob.reports/BN/BEFEES/BEFEES.xdm"
.....

```

5.1.4 Front End Processing Interface (FEPI) Installation Steps

Following are the basic steps for FEPI installation procedure:

Step 1 Installation

The installer will create a directory structure for FEPI as /scratch/app/product/fmw/obpinstall/obp/fepi

1. Change the paths in FEPI start scripts based on the environment.
2. Modify Start_fepi_atm.sh and Start_fepi_pos.sh located at /scratch/app/product/fmw/obpinstall/obp/fepi/scripts.
3. Change the property values in channels_atm.properties and channels_pos.properties based on the environment as follows:

Table 5–1 Properties

Property	Description	Example
BANK_CODE	Indicates the bank code	BANK_CODE=335

Property	Description	Example
LISTENER_PORT	The port number on which FEPI server accepts incoming ISO message requests	LISTENER_PORT=9999
COMMAND_PORT	The port number on which FEPI server accepts command message Note: Need to specify an available valid port number, so that FEPI starts; it is a feature of native code and currently no messages are sent.	COMMAND_PORT=9998
ISO_TRACE_FILE_AREA	The location for ATM Trace logs	ISO_TRACE_FILE_AREA=/scratch/app/product/fmw/obpinstall/obp/fepi/logs/ATMTRACE
FNDI.FJ.java.naming.provider.url	The IP address and port number on which WebLogic accepts requests	FNDI.FJ.java.naming.provider.url=t3://10.180.9.108:7001

4. Start ATM and POS FEPI.
5. On prompt enter WebLogic login credentials. For example, \$ sh start_fepi_atm.sh.

Step 2 ATM and POS Trace logs

The Trace logs are available in the logs folder. For example, the trace logs can be located at /oracle/deployables/iut2/fepi/logs.

Additionally, fepi-console and fepi-ofss logs are also stored at the above location for ATM and POS FEPI server.

Step 3 module.channel or cz.module.channel enabling of logs

This is not related to FEPI, and these logs (host logs) are controlled by logging.xml of the WebLogic server.

Step 4 Multiple Instances

Currently, there are two instances of FEPI which are ATM and POS. Each instance has the following set of individual files along with the common shared files. For example, for the ATM FEPI server, the files are as follows:

Table 5–2 Examples of files

File Name	Description
channels_atm.properties	Configuration file
fepi_atm.logging.xml	Logging configuration file
start_fepi_atm.sh	Start script
stop_fepi_atm.sh	Stop script

5.2 Post Installation Configuration

This section describes the post installation configuration procedure for Oracle Banking Platform Host Media Pack. The procedure can be started after UI, SOA pre installation and standalone database setup steps are executed.

Checklist for Post Installation Procedure

Before proceeding with the post installation procedure for the host, ensure the following:

- Node manager is not running and no other process is running on NODE_MGR_PORT.
- Host db schema seeding has been done.

For more information, see [Section 9.5 HOST DB Schema Seeding](#) and [Section 9.6 System Configuration DB Update Script Execution](#)

- Execute the following query once Host db schema seeding is completed (This is applicable for OBEC release):

```
update FLX_CS_MODULES_ALL set installed_flag='N' where module_code in
('LN', 'CS', 'TD', 'PR');

commit;
```

- The node manager port should be free. You can verify this using the following command, where 5556 is the Node Manager Port.

```
$netstat -na | grep 5556
```

Post Installation Configuration

1. Start the domain admin WebLogic server by executing the startWebLogic.sh script in the host domain directory.

```
cd <middleware home>
cd user_projects/domains/obphostdomai/bin
./startWebLogic.sh
```

2. Enter the username and password to ensure that the WebLogic server starts.

Figure 5–18 Host Domain Admin Server Credentials

```
<Dec 3, 2011 6:59:53 PM GMT+05:30> <Info> <Security> <BEA-090065> <Getting boot identity from user.>
Enter username to boot WebLogic server:weblogic
Enter password to boot WebLogic server:
```

3. Once the server status changes to RUNNING, proceed to execute the post installation script for Host domain located under middleware. This script performs a multitude of configurations such as:
 - Making changes in Oracle Banking Platform config properties to point to the appropriate integration server (Example: Setting the BIP server URL)
 - Setting the security realm properties of WebLogic domain and reassociating the same to the OID
 - Trust configuration setup using the trust keys copied from the SOA domain

Note

Ensure that Oracle IPM application is running as during post install of Oracle Banking Platform host. There is a call to the same for creating Oracle Banking Platform content applications.

4. Navigate to the middleware home and list the files in the directory. A post installation and configuration script named `obp-host-post-install.sh` will be listed along with other files and directories.
5. Execute the script using the following command:

```
./obp-host-post-install.sh
```
6. For monitoring the script run, check the following log files created under the UI domain directory:
 - `obp-host-install-log.txt`
 - `obp-host-install-log-py.txt`

Note

The output shown here is a sample output and may vary slightly from the original output.

Figure 5–19 Host Domain Post Installation Script Execution

```
[ofssobp@mum00adh fmw]$ ./obp-host-post-install.sh
DOMAIN_NAME                : host_domain
DOMAIN_DIRECTORY_LOCATION  : /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME          : weblogic
WEBLOGIC_PASSWORD          : weblogic1
ADMIN_SERVER_LISTEN_ADDRESS : 10.180.85.195
ADMIN_SERVER_LISTEN_PORT   : 7001
LDAP_PROVIDER               : OID
OID_IP                      : 10.180.87.84
OID_PORT                    : 389
OID_ADMIN_USER              : cn=orcladmin
OID_ADMIN_PWD               : welcome1
OID_GROUP_DSN               : cn=Groups,dc=in,dc=oracle,dc=com
OID_USER_DSN                : cn=Users,dc=in,dc=oracle,dc=com
NODE_MGR_PORT               : 5556
HOST_IP                     : 10.180.85.195
HOST_TARGET                 : /scratch/install/target
HOST_JAVA_HOME              : /scratch/app/product/jdk1.8.0_101
HOST_MW_HOME                : /scratch/app/product/fmw
UI_ADMIN_SERVER_LISTEN_ADDRESS : 10.180.85.196
UI_ADMIN_SERVER_LISTEN_PORT : 7001
SOA_HOST_IP                 :
SOA_ORACLE_HOME             : soa
SOA_UNIX_USER               : ofssobp
SOA_MW_HOME                 : /scratch/app/product/fmw
SOA_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.159
SOA_MANAGED_SERVER_LISTEN_PORT : 8001
SOA_WEBLOGIC_USERNAME       : weblogic
SOA_WEBLOGIC_PASSWORD       : weblogic1
UI_IP                       : 10.180.85.196
UI_UNIX_USER                 : ofssobp
UI_DOMAIN_HOME              : /scratch/app/product/fmw/user_projects/domains/ui_domain
INSTALL_AS                  : ofssobp
BIP_UNIX_USER               : ofssobp
BIP_HOME                    : /scratch/app/product/fmw_bip/bi
BIP_SERVER_IP               : 10.180.6.143
BIP_SERVER_PORT              : 9502
```


Figure 5–20 Host Domain Post Installation Script Execution (contd)

```
BIP_SERVER_IP           : 10.180.6.143
BIP_SERVER_PORT        : 9502
IPM_SERVER_IP          : 10.180.6.143
IPM_SERVER_PORT        : 16000
OFSAA_SERVER_IP        : ofsaam-ofss.com
OFSAA_SERVER_PORT      : 17000
OAAM_SERVER_IP         : oaam-ofss.com
OAAM_SERVER_PORT       : 14000
OAAM_SERVER_IP         : oaam-ofss.com
OAAM_SERVER_PORT       : 14000
OIM_SERVER_IP          : oim-ofss.com
OIM_SERVER_PORT        : 16000
DOCUMAKER_SERVER_IP    : documaker-ofss.com
DOCUMAKER_SERVER_PORT  : 15000
OBP_HOST_DB_USER       : OBP262
OBP_HOST_DB_PASSWORD   : welcome1
OBP_HOST_DB_IP         : 10.180.87.84
OBP_HOST_DB_PORT       : 1521
OBP_HOST_DB_SERVICE_NAME : P8784A
IPM_OUTBOUND_USERNAME  : weblogic
IPM_OUTBOUND_PASSWORD  : weblogic1
BIP_OUTBOUND_USERNAME  : weblogic
BIP_OUTBOUND_PASSWORD  : weblogic1
ODI_OUTBOUND_USERNAME  : weblogic
ODI_OUTBOUND_PASSWORD  : weblogic1
OIM_OUTBOUND_USERNAME  : weblogic
OIM_OUTBOUND_PASSWORD  : weblogic1
WCM_OUTBOUND_USERNAME  : weblogic
WCM_OUTBOUND_PASSWORD  : weblogic1
OFFLINE_CHANNEL_OUTBOUND_USERNAME : offlineuser
OFFLINE_CHANNEL_OUTBOUND_PASSWORD : welcome1
SAML_ISSUER_OUTBOUND_USERNAME : weblogic
SAML_ISSUER_OUTBOUND_PASSWORD : weblogic1
BPEL_ENCRYPTION_OUTBOUND_USERNAME : weblogic
BPEL_ENCRYPTION_OUTBOUND_PASSWORD : weblogic1
FTP_IPM_OUTBOUND_USERNAME : weblogic
FTP_IPM_OUTBOUND_PASSWORD : weblogic1
BIP_USR_OUTBOUND_USERNAME : weblogic
```

Figure 5–21 Host Domain Post Installation Script Execution (contd)

```
BIP_USR_OUTBOUND_USERNAME      : weblogic
BIP_USR_OUTBOUND_PASSWORD      : weblogic1
SOA_PURGING_OUTBOUND_USERNAME  : weblogic
SOA_PURGING_OUTBOUND_PASSWORD  : weblogic1
SOA_OUTBOUND_USERNAME          : weblogic
SOA_OUTBOUND_PASSWORD          : weblogic1
ATMUSER_OUTBOUND_USERNAME      : ATMUser
ATMUSER_OUTBOUND_PASSWORD      : welcome1
POSUSER_OUTBOUND_USERNAME      : POSUser
POSUSER_OUTBOUND_PASSWORD      : welcome1
DMSHOST_OUTBOUND_USERNAME     : weblogic
DMSHOST_OUTBOUND_PASSWORD     : weblogic1
DMSUI_OUTBOUND_USERNAME       : weblogic
DMSUI_OUTBOUND_PASSWORD       : weblogic1
OCH_OUTBOUND_USERNAME         : weblogic
OCH_OUTBOUND_PASSWORD         : weblogic1
KEYSTORE_PASSWORD             : welcome1
UI_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.196
UI_MANAGED_SERVER_LISTEN_PORT  : 8001
CARD_USERNAME                  : orakey
CARD_PASSWORD                  : welcome1
RULE_USERNAME                  : orakey
RULE_PASSWORD                  : welcome1
BAM_USERNAME                   : weblogic
BAM_PASSWORD                   : weblogic1
USER_TIMEZONE                  : +5:30
HOST_SSL_PASSWORD              : welcome1
REMOTE_EXECUTION               : Y
IPM_HOME                       : /scratch/app/product/fmw_ipm/Oracle_ECM1
IPM_UNIX_USER                   : ofssobp
SECURITY_ENABLED                : Y
Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
y
```

Figure 5–22 Host Domain Post Installation Script Execution (contd)

```

Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
y
Post-installation will begin in sometime...
ofssobp@10.180.85.159's password:
bpm-services.jar                               100% 16MB 15.5MB/s 00:00
bpm-services.jar copied from SOA machine
ofssobp@10.180.85.159's password:
soa-infra-mgmt.jar                             100% 1661KB 1.6MB/s 00:00
soa-infra-mgmt.jar copied from SOA machine
ofssobp@10.180.85.159's password:
orabpel.jar                                   100% 6929KB 6.8MB/s 00:00
bpm-services.jar copied from SOA machine
ofssobp@10.180.85.159's password:
tracking-api.jar                              100% 24KB 24.3KB/s 00:00
bpm-services.jar copied from SOA machine
ofssobp@10.180.6.143's password:
i18nAPI_v3.jar                                100% 904KB 904.4KB/s 00:00
i18nAPI_v3.jar copied from BIP machine
ofssobp@10.180.6.143's password:
xdocore.jar                                   100% 9060KB 8.9MB/s 00:00
xdocore.jar copied from BIP machine
ofssobp@10.180.6.143's password:
versioninfo.jar                              100% 6204KB 6.1MB/s 00:00
versioninfo.jar copied from BIP machine
ofssobp@10.180.6.143's password:
imaging-client.jar                            100% 863KB 863.3KB/s 00:00
imaging-client.jar copied from IPM machine
ofssobp@10.180.6.143's password:
oracle.ucm.ridc-11.1.1.jar                   100% 619KB 618.9KB/s 00:00
oracle.ucm.ridc-11.1.1.jar copied from IPM machine
BIP_SERVICE_ENDPOINT as http://10.180.6.143:9502/xmlpserver/services/PublicReportService?wsdl
IPM_URL as http://10.180.6.143:16000/imaging/ws
JDBC String as jdbc:oracle:thin:@10.180.87.84:1521:P8784A

```

Figure 5–23 Host Domain Post Installation Script Execution Summary

```

/APP-INF/lib/com.ofss.fc.enumeration.communications.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.external.recovery.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.recovery.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.client.proxy.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.appx.client.proxy.recovery.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.client.proxy.recovery.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.external.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.appx.client.proxy.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.collection.jar:/scratch/app/product/fmw/obinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.collection.jar/
...oracle.common/modules/oracle.dms/dms.jar -Duser.home=/scratch/app/product/fmw/obinstall/obp/config -Dfc.io.dir=/scratch/app/product/fmw/obinstall/obp -Dfc.log.dir=/scratch/app/product/fmw/obinstall/obp -Djava.util.logging.config.class=oracle.core.ojdl.logging.LoggingConfiguration -Doracle.core.ojdl.logging.config.file=/scratch/app/product/fmw/obinstall/obp/config/nonweblgic_logging.xml -Djavax.xml.transform.TransformerFactory=com.sun.org.apache.xalan.internal.xsltc.trax.TransformerFactoryImpl -Djavax.xml.parsers.DocumentBuilderFactory=com.sun.org.apache.xmlsec.internal.jaxp.DocumentBuilderFactoryImpl -Xms512m -Xmx1024m -XX:MaxPermSize=512m com.ofss.fc.domain.rule.utils.RuleDeploymentUtilityServer CMD_UPGRADE_ALL_FILTERS jdbc:oracle:thin:@10.100.07.84:1521/P87844_OBP262_welcome1
Rule Utility launched successfully. Command Code: CMD_UPGRADE_ALL_FILTERS

Java HotSpot(TM) 64-Bit Server VM warning: ignoring option MaxPermSize=512M; support was removed in 8.0

System property [org.owasp.esapi.opsteam] is not set
-- Attempting to load ESAPI.properties via file I/O.
System property [org.owasp.esapi.devteam] is not set

Attempting to load ESAPI.properties as resource file via file I/O.
Not found in 'org.owasp.esapi.resources' directory or file not readable: /scratch/app/product/fmw/user_projects/domains/host_domain/ESAPI.properties
Found in SystemResource Directory/resourceDirectory: /scratch/app/product/fmw/obinstall/obp/config/.esapi/ESAPI.properties
Loaded 'ESAPI.properties' properties file
SecurityConfiguration for Validator.ConfigurationFile.MultiValued not found in ESAPI.properties. Using default: false
Attempting to load validation.properties via file I/O.
Attempting to load validation.properties as resource file via file I/O.
Not found in 'org.owasp.esapi.resources' directory or file not readable: /scratch/app/product/fmw/user_projects/domains/host_domain/validation.properties
Found in SystemResource Directory/resourceDirectory: /scratch/app/product/fmw/obinstall/obp/config/.esapi/validation.properties
Loaded 'validation.properties' properties file
Server: Could not initialize class com.ofss.fc.infra.das.orm.DataAccessManager
Rule Utility executed successfully. Refer OBP host log for details
Press any key to continue...
[obssobp@p070304n fmw]$ █

```

7. After completion of the host post installation, it will return to the command prompt.
8. Finally inside logging.xml file for managed servers,

for example: /scratch/app/product/fmw/user_projects/domains/host_domain/config/fmwconfig/servers/obphost_server1/logging.xml
within the following xml tag:

```
<logging_configuration> <log_handlers> </log_handlers></logging_configuration>
```

add:

```
<log_handler name='el-handler' level='TRACE:32'
class='oracle.core.ojdl.logging.ODLHandlerFactory'>
<property name='path' value='${fc.log.dir}/logs/eclipselink.log' />
<property name='maxFileSize' value='10485760' />
<property name='maxLogSize' value='104857600' />
<property name='encoding' value='UTF-8' />
<property name='useThreadName' value='true' />
<property name='supplementalAttributes'
value='J2EE_APP.name,J2EE_MODULE.name,WEBSERVICE.name,WEBSERVICE_
PORT.name,composite_instance_id,component_instance_id,composite_
name,component_name' />
</log_handler>
```

9. Within the following xml tag:

```
<logging_configuration><loggers></loggers></logging_configuration>
```

add:

```
<logger name='org.eclipse.persistence' level='TRACE:32'  
useParentHandlers='false'>
```

```
<handler name='el-handler' />
```

```
</logger>
```

```
<logger name='javax.persistence' level='TRACE:32'  
useParentHandlers='false'>
```

```
<handler name='el-handler' />
```

```
</logger>
```

10. Then start the admin and managed servers to check the domain configuration status as described in verification part in [Section 17.2 Host Domain Verification](#).

6 Oracle Banking Platform Presentation Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Platform Presentation (UI) Media pack. The subsequent section refers to the variable names specified in [Section 3.4 Installation Checklist](#).

6.1 Installation and Configuration Procedure

This section details the installation procedure for the Oracle Banking Platform Presentation Media Pack.

6.1.1 Preparatory Steps

This section lists the preparatory steps required for the Oracle Banking Platform Presentation Media Pack installation.

Step 1 Procuring Installables

Download the appropriate presentation media pack from the following location:

<http://edelivery.oracle.com/>

Step 2 Extracting the Installables

Copy the 'ui.zip' to a local Linux VM or Linux machine from where the installation will be carried out. Extract the 'ui.zip'. Three files will be extracted:

- A zip file 'obpinstall-ui.zip'
- The installation script 'installobpui.sh'
- The install configuration property file 'installobpui.properties'

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in [Section 3.4 Installation Checklist](#) of this guide and note the values applicable for each point in the last column for 'Value' so that the same is handy during the actual installation.

6.1.2 Pre-Installation Steps

This section lists the pre-installation steps required for the Oracle Banking Platform Presentation Media Pack installation. The procedure can be started after SOA pre-installation steps are executed.

Step 1 Updating installobpui.properties

Navigate to the directory where the files obpinstall-ui.zip, installobpui.sh and installobpui.properties are placed and update installobpui.properties with relevant values from the checklist.

Step 2 Checklist for a new setup

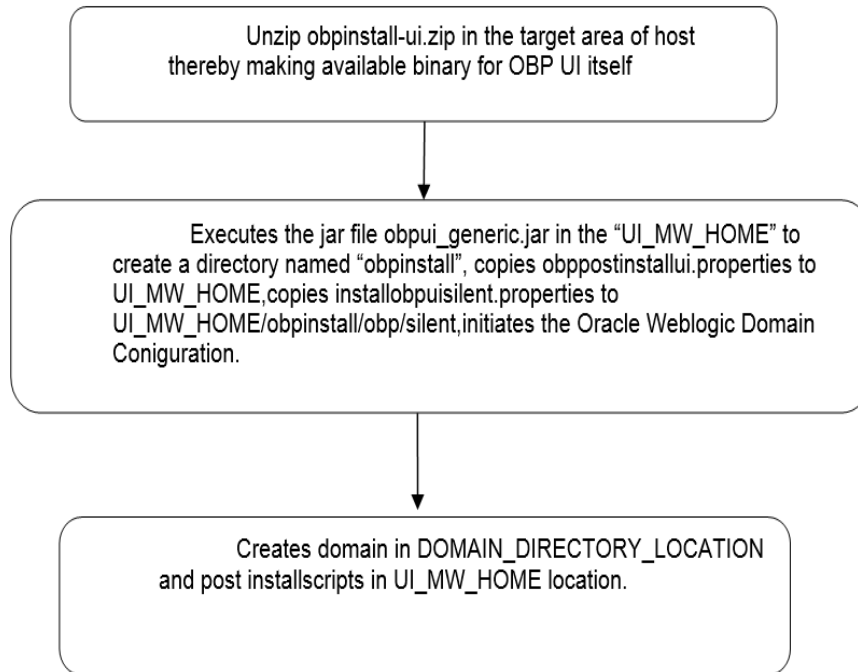
Before initiating installation on a completely new setup, check the following:

- Please make sure required RCU schemas have been created. For more information, see [Section 9.1 Pre-Installation Steps](#) and [Section 9.2 Oracle Banking Platform Database Setup – RCU Installation](#).
- Node manager must not be running on the target machine.
- Create a dummy folder named as Target and mention its path against UI_TARGET property.
- In case of a re-installation ensure that the directory paths against DOMAIN_DIRECTORY_LOCATION, HOST_TARGET and HOST_MW_HOME specified in installobpui.properties are cleaned up for traces of any previous installations, as the remote shell copy may not be overwriting in case of any residual file left by the previous run.
- No processes should be running on the port in HOST machine given in installobpui.properties.
- MDS_SCHEMA_USER schema given in the installobpui.properties exists. This should point to the same schema as MDS_HOST_DB_USER of installobphost.properties.
- Values given in installobpui.properties must be correct. At run time, no option will be given to change the values.

6.1.3 Installation Steps

This section lists the installation steps required for the Oracle Banking Platform Presentation Media Pack installation.

1. Navigate to the directory where the media pack files are placed and execute installobpui.sh. The installation script shall echo the values entered in the installobpui.properties file and ask for a confirmation to go ahead with the installation.
2. The installation script automatically triggers the following significant steps using secure remote copy 'scp' command and remote shell commands execution using the 'ssh' command.

Figure 6–1 Steps in *installobpui.sh* script

A sample output is given here.

Figure 6–2 Confirmation to Proceed Domain Installation

```
[ofssobp@mum00adi ui]$ ./installobpui.sh
The present working directory is /scratch/install/ui. It is assumed that all installables are present in this directory.
Printing the installation details:-
SILENT_INSTALL           : y
LOCAL_IP                 : 10.180.85.196
LOCAL_DISPLAY_VALUE      : 0.0
DOMAIN_NAME              : ui_domain
DOMAIN_DIRECTORY_LOCATION : /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME        : weblogic
WEBLOGIC_PASSWORD        : weblogic1
MDS_SCHEMA_USER          : PRDUI_MDS
MDS_SCHEMA_PASSWORD      : welcome1
MDS_DB_IP                : 10.180.87.84
MDS_DB_PORT              : 1521
MDS_DB_SERVICE_NAME      : P8784A
HOST_SCHEMA_USER         : OBP262
HOST_SCHEMA_PASSWORD     : welcome1
HOST_DB_IP               : 10.180.87.84
HOST_DB_PORT             : 1521
HOST_DB_SERVICE_NAME     : P8784A
OPSS_SOA_SCHEMA_USER     : PRDSOA_OPSS
OPSS_SOA_SCHEMA_PASSWORD : welcome1
OPSS_SOA_DB_IP          : 10.180.87.84
OPSS_SOA_DB_PORT        : 1521
OPSS_SOA_DB_SERVICE_NAME : P8784A
ADMIN_SERVER_LISTEN_ADDRESS : 10.180.85.196
ADMIN_SERVER_LISTEN_PORT  : 7001
ADMIN_SERVER_SSL_LISTEN_PORT : 7002
MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.196
MANAGED_SERVER_LISTEN_PORT  : 8001
MANAGED_SERVER_SSL_LISTEN_PORT : 8002
LDAP_PROVIDER             : OID
OID_IP                    : 10.180.87.84
OID_PORT                  : 389
OID_ADMIN_USER            : cn=orcladmin
OID_ADMIN_PWD             : welcome1
```

Figure 6–3 Confirmation to Proceed Domain Installation (contd)

```

OID_ADMIN_PWD           : welcome1
OID_GROUP_DSN           : cn=Groups,dc=in,dc=oracle,dc=com
OID_USER_DSN            : cn=Users,dc=in,dc=oracle,dc=com
NODE_MGR_PORT           : 5556
UI_IP                    : 10.180.85.196
UI_CLUSTER_NAME         : obpui_cluster1
UI_SERVER_NAME          : obpui_server1
UI_TARGET               : /scratch/install/target
UI_MW_HOME              : /scratch/app/product/fmw
UI_JAVA_HOME            : /scratch/app/product/jdk1.8.0_101
OUI_JAVA_HOME           : /scratch/app/product/jdk1.8.0_101
CENTRAL_INVENTORY_LOC   : /scratch/app/oraInventory
INSTALL_AS              : ofssobp
IPM_SERVER_IP           : 10.180.6.143
IPM_SERVER_PORT         : 16000
OFSAA_SERVER_IP         : ofsaa-ofss.com
OFSAA_SERVER_PORT       : 17000
OAAM_SERVER_IP          : oaam-ofss.com
OAAM_SERVER_PORT        : 14900
OIM_SERVER_IP           : oim-ofss.com
OIM_SERVER_PORT         : 16000
UI_ADMIN_JVM_PARAMS     : -Xms2048m -Xmx4096m
UI_MANAGED_JVM_PARAMS   : -Djbo.ampool.doampooling=false -Xms4096m -Xmx6084m -XX:NewSize=512m -XX:MaxNewSize=2048m -XX:+UseParNewGC -XX:+C
MSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Djbo.load.components.lazily=true
HOST_ADMIN_SERVER_LISTEN_ADDRESS : 10.180.85.195
HOST_ADMIN_SERVER_LISTEN_PORT   : 7001
HOST_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.195
HOST_MANAGED_SERVER_LISTEN_PORT   : 8001
SOA_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.159
SOA_MANAGED_SERVER_LISTEN_PORT    : 8001
SOA_ADMIN_SERVER_LISTEN_ADDRESS   : 10.180.85.159
SOA_ADMIN_SERVER_LISTEN_PORT      : 7001
KEYSTORE_PASSWORD                 : welcome1
UI_SSL_PASSWORD                    : welcome1
UCM_READ_FROM_URL                  : true
UCM_IP                              : ofss.ucm.com
UCM_PORT                            : 4444
OFFLINE_CHANNEL_OUTBOUND_USERNAME  : offlineuser

```

Figure 6–4 Confirmation to Proceed Domain Installation (contd)

```
OFFLINE_CHANNEL_OUTBOUND_USERNAME : offlineuser
OFFLINE_CHANNEL_OUTBOUND_PASSWORD : welcome1
CARD_USERNAME                       : orakey
CARD_PASSWORD                       : welcome1
RULE_USERNAME                       : orakey
RULE_PASSWORD                       : welcome1
USER_TIMEZONE                       : +5:30
REMOTE_EXECUTION                    : Y
IPM_USERNAME                        : weblogic
IPM_PASSWORD                        : weblogic1
FTP_IPM_USERNAME                    : ofssobp
FTP_IPM_PASSWORD                    : ofssobp123
FTP_IPM_BATCH_USERNAME              : ofssobp
FTP_IPM_BATCH_PASSWORD              : ofssobp123
IPM_HOME                            : /scratch/app/product/fmw_ipm/Oracle_ECM1
BIP_SERVER_IP                       : 10.180.6.143
BIP_SERVER_PORT                     : 9502
BIP_UNIX_USER                       : ofssobp
BIP_HOME                            : /scratch/app/product/fmw_bip/bi
HOST_UNIX_USER                      : ofssobp

Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
```

3. Verify the value of each property carefully before proceeding.
4. If all values are correct, then enter 'Y' or 'y' and press Enter to initiate the installation. The installation utility performs the installation and domain is created silently.

Figure 6–5 Copying and Extraction of `obpininstall-ui.zip`

```

Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
Y
Installation will begin in sometime.
Please wait while the installables are copied onto the servers.
The authenticity of host '10.180.85.196 (10.180.85.196)' can't be established.
ECDSA key fingerprint is 31:10:21:f8:86:6a:ad:5e:5c:e0:ff:01:8b:d0:d6:d8.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.180.85.196' (ECDSA) to the list of known hosts.
ofssobp@10.180.85.196's password:
obpininstall-ui.zip                               100% 649MB 216.3MB/s 00:03
installobpui-silent.properties                   100% 1241  1.2KB/s 00:00
The configuration of OBP UI domain will begin immediately.
ofssobp@10.180.85.196's password:
Archive: /scratch/install/target/obpininstall-ui.zip
  inflating: /scratch/install/target/obpui_generic.jar

  inflating: /scratch/install/target/obpui_generic.jar
  inflating: /scratch/install/target/installdomain.sh
  inflating: /scratch/install/target/installdomain_silent.sh
  inflating: /scratch/install/target/obp-ui-post-install.sh
  inflating: /scratch/install/target/obp-ui-post-install.py
  inflating: /scratch/install/target/metadataSOAUpdate.sh
  inflating: /scratch/install/target/encryptPassword.py
  inflating: /scratch/install/target/docutils-0.12.tar.gz
  inflating: /scratch/install/target/JPyPyl-0.5.7.tar.gz
  inflating: /scratch/install/target/PyYAML-3.11.tar.gz
  inflating: /scratch/install/target/SOAPpy-0.12.5.tar.gz
  inflating: /scratch/install/target/suds-0.4.tar.gz
  inflating: /scratch/install/target/wstools-0.4.3.tar.gz
--> /scratch/app/product/jdk1.8.0_101/bin/java -jar /scratch/install/target/obpui_generic.jar -silent ORACLE_HOME=/scratch/app/product/fmw/obpininstall
INVENTORY LOCATION=/scratch/app/orainventory
Launcher log file is /tmp/OraInstall2018-05-03_05-13-19PM/launcher2018-05-03_05-13-19PM.log.
Extracting files.....
Starting Oracle Universal Installer

Checking if CPU speed is above 300 MHz.   Actual 2693.763 MHz   Passed
Checking swap space: must be greater than 512 MB.   Actual 16057324 MB   Passed
Checking if this platform requires a 64-bit JVM.   Actual 64   Passed (64-bit not required)
Checking temp space: must be greater than 300 MB.   Actual 30077 MB   Passed

Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2018-05-03_05-13-19PM
.....
Installation Summary
.....
Disk Space : Required 1,292 MB, Available 296,965 MB
Feature Sets to Install:
  OBP UI Server FeatureSet 2.6.2.0.0
  Next Generation Install Core 13.2.0.0.0
  OPatch 13.2.0.0.0
.....
You can find the log of this install session at:

```

Figure 6–6 Copying and Extraction of obpininstall-ui.zip (contd)

```
.....
You can find the log of this install session at:
/tmp/OraInstall2018-05-03-13-19PM/install2018-05-03-13-19PM.log

Loading products list. Please wait.
..... 1%
..... 40%

Loading products. Please wait.
..... 44%
..... 47%
..... 50%
..... 53%
..... 56%
..... 60%
..... 63%
..... 66%
..... 70%
..... 73%
..... 76%
..... 80%
..... 83%
..... 86%
..... 90%
..... 93%
..... 96%
..... 99%

..... 24% Done.
..... 48% Done.
..... 72% Done.
..... 96% Done.

.....
Installation in progress (Thursday, May 3, 2018 5:13:44 PM IST)
Install successful 98% Done.

Linking in progress (Thursday, May 3, 2018 5:13:44 PM IST)
.....
Installation in progress (Thursday, May 3, 2018 5:13:44 PM IST)
Install successful 98% Done.

Linking in progress (Thursday, May 3, 2018 5:13:44 PM IST)
Link successful

Setup in progress (Thursday, May 3, 2018 5:13:44 PM IST)
Setup successful

Saving inventory (Thursday, May 3, 2018 5:13:44 PM IST)
Saving inventory complete
Configuration complete

End of install phases.(Thursday, May 3, 2018 5:13:44 PM IST)
logs successfully copied to /scratch/app/oraInventory/logs.
```

Figure 6–7 Domain Creation Confirmation

```

*****
Installation in progress (Thursday, May 3, 2018 5:13:44 PM IST)
                                                                98% Done.
Install successful

Linking in progress (Thursday, May 3, 2018 5:13:44 PM IST)
Link successful

Setup in progress (Thursday, May 3, 2018 5:13:44 PM IST)
Setup successful

Saving inventory (Thursday, May 3, 2018 5:13:44 PM IST)
Saving inventory complete
Configuration complete

End of install phases.(Thursday, May 3, 2018 5:13:44 PM IST)
Logs successfully copied to /scratch/app/orainventory/logs.

Initializing WebLogic Scripting Tool (WLST) ...

Jython scans all the jar files it can find at first startup. Depending on the system, this process may take a few minutes to complete, and WLST may not return a prompt right away.

Welcome to WebLogic Server Administration Scripting Shell

Type help() for help on available commands

Domain creation started...
Read domain /scratch/app/product/fmw/user_projects/domains/ui_domain to applyJRF
Target JRF components to "obpui_cluster1"
Copying JRF configuration files from /scratch/app/product/fmw/oracle_common/modules to /scratch/app/product/fmw/user_projects/domains/ui_domain/config/fmwconfig/servers/obpui_server1
Update JRF changes to domain /scratch/app/product/fmw/user_projects/domains/ui_domain in offline mode
Domain created successfully.
[ofsobp@mum00adi ui]$

```

The above domain configuration process also creates files named `obp-ui-post-install.sh` and `obp-ui-post-install.py` in `UI_MW_HOME` location which are to be used to perform post installation configuration as elaborated in [Section 6.2 Post Installation Configuration](#).

6.2 Post Installation Configuration

This section describes the post installation configuration procedure for Oracle Banking Platform Presentation Media Pack.

Checklist for Post Installation Procedure

Before proceeding with the post installation procedure for UI, ensure the following:

- Node manager is not running on the UI machine.
- OID domain given in `obppostinstallui.properties` must exist in OID. (The OID domain is created at the time of host pre-install).
- Node manager port should be free. You can verify this using the following command, where 5556 is the Node Manager Port.

```
$netstat -na | grep 5556
```

Post Installation Configuration

1. Start the domain admin WebLogic server by executing the startWebLogic.sh script in the domain directory.

```
cd <middleware home>
cd user_projects/domains/obpuidomain/bin
./startWebLogic.sh
```

2. Enter the username and the password to ensure that the WebLogic server starts up.

Figure 6–8 UI Admin Server Credentials

```
Enter username to boot WebLogic server:weblogic
Enter password to boot WebLogic server:
```

Figure 6–9 UI Admin Server Running

```
FMWProv: Integration Class called and was reloaded for me
PostInstallConfigIntegration:oracle_ias_farm target auth registration is done.
CompositesProvIntegration init...
getAllPluginOracleHomes: ConnectionService is null
getAllPluginOracleHomes: ConnectionService is null
Anonymous url config processing:/WEB-INF/config/anonymous-access-emcore.config
Anonymous-urls:/em/IEsvgdetect.js.*, /em/LoginStatusServlet.*, /em/adf/.*, /em/adflib/.*, /em/af/.*, /em/bi/.*, /em/bmp/discovertargets, /em/cabo/.*
, /em/console/help.*, /em/console/logon/.*, /em/console/status.jsp, /em/dynamicImage.*, /em/ecm/csa/CSA.jar, /em/ecm/csa/CSA.mb, /em/ecm/csa/csabanner.
gif, /em/emcli/custAttrib.*, /em/emr/.*, /em/faces/logon/.*, /em/faces/helppages/.*, /em/flashbridge.*, /em/formsapp/lib/formsRecorder.jar, /em/images
/.*, /em/install/getAgentImage, /em/helppages/help.*, /em/jslibs/.*, /em/jsLibsObf/.*, /em/login.jsp, /em/mapproxy.*, /em/mobile/core/uifwk/skins/.*,
/em/ocamm/lib.*, /em/onetime.*, /em/ovs/discovertargets, /em/public/.*, /em/public_lib_download/.*, /em/redirect.*, /em/relocatetarget.*, /em/sdkImpl/
core/uifwkmobile/skins/.*, /em/servlet/GaugeServlet.*, /em/servlet/GraphServlet.*, /em/swlib/getfile, /em/VncViewer.jar, /em/websvcs.*, /em/jobrecv.*]
<May 9, 2018, 3:18:25,793 PM IST> <Notice> <Log Management> <BEA-170027> <The server has successfully established a connection with the Domain level D
iagnostic Service.>
<May 9, 2018, 3:18:26,991 PM IST> <Notice> <WebLogicServer> <BEA-000365> <Server state changed to ADMIN.>
<May 9, 2018, 3:18:27,107 PM IST> <Notice> <WebLogicServer> <BEA-000365> <Server state changed to RESUMING.>
<May 9, 2018, 3:18:27,109 PM IST> <Warning> <JMX> <BEA-149535> <JMX Resiliency Activity Server=All Servers : Resolving connection list DomainRuntimeSe
rviceMBean>
<May 9, 2018, 3:18:27,338 PM IST> <Notice> <Server> <BEA-002613> <Channel "Default" is now listening on 10.180.85.196:7001 for protocols iiop, t3, lda
p, snmp, http.>
<May 9, 2018, 3:18:27,344 PM IST> <Alert> <Security> <BEA-090153> <Demo identity certificate is used in production mode: [
[
  Version: V3
  Subject: CN=DemoCertFor_ui_domain
  Signature Algorithm: SHA256withRSA, OID = 1.2.840.113549.1.1.11

  Key: Sun RSA public key, 1024 bits
  modulus: 1167456889253825025480926869091926496852848865506649473131555460033254586463387768039353573309013374752798101528633717677150428907934740480
714811946902060408079898980495455613517468803286663115243515362374635305298382673694298536842566442877518165719775797175668533963201933187176869575898
90836657936273717573
  public exponent: 65537
  Validity: [From: Wed May 09 15:15:09 IST 2018,
  To: Mon May 08 15:15:09 IST 2023]
  Issuer: CN=CertGenCA, OU=FOR TESTING ONLY, O=MyOrganization, L=MyTown, ST=MyState, C=US
  SerialNumber: [ 0163444a 4b53]

Certificate Extensions: 1
[1]: ObjectId: 2.5.29.14 Criticality=false
```

Figure 6–10 UI Admin Server Running (contd)

```

KeyIdentifier [
0000: 07 D2 F0 F5 02 B5 9A 1B 53 2B C7 62 D5 98 F0 E1 .....S+.b....
0010: 6A EC 92 37                               j..7
]
]
]
]
]
Algorithm: [SHA256withRSA]
Signature:
0000: 27 D6 9F 3A AC 3F 12 AB C7 DE E9 BE 54 1D 96 5F '...?......T._
0010: 9B 38 75 C6 C4 48 6A 38 4C 1E 2A 46 E9 59 19 3B .8u..Hj8L.*F.Y.;
0020: 0E 32 4B 3F 30 B5 42 4C 1A FE 2C C2 6C F1 E6 02 .2K?0.BL...,l...
0030: 50 88 0F 28 2F 45 AD 42 37 C3 C7 03 EF E9 64 22 P../E.B7.....d"
0040: B5 D9 E0 2A 9E 08 D9 E5 3B ED 04 B5 A0 6B 0B 62 ...*...;...k.b
0050: 9B 64 CA 4D 0A 6B 35 B0 1D E8 A0 CE D4 5D CF 93 .d.M.k5.....]..
0060: F8 AA F7 11 B1 C1 08 2D 2D EA 34 79 EF 12 54 5F .....--.4y.T_
0070: E8 AC 30 83 3C 03 DA 22 5E 3D 82 A9 AE 78 74 0F ..0.<."^=...xt.
0080: 32 80 D1 17 7B AD FC BC 95 55 DA 7E 86 47 94 BB 2.....U...G..
0090: 5C 92 6F E6 30 8C B7 62 12 E3 D7 9F EB DE F7 07 \.o.0..b.....
00A0: 21 B6 BD 61 53 44 EF 53 62 31 23 43 94 0B 87 4F !..aSD.Sb1#C...0
00B0: CC B1 C9 36 40 37 52 A8 D2 82 90 75 0E 96 7D 82 ...6@7R....u....
00C0: 90 36 99 EA EC 1F 52 DF 92 D4 AB 0E 79 F8 CE 2B .6...R.....y..+
00D0: A7 A6 5A 14 ED 9D DB 76 86 2A 29 86 E6 70 7F 8E ..Z....v.*)..p..
00E0: 19 A9 79 44 76 A5 E6 C6 79 62 88 E7 B9 63 2F B9 ..yDv...yb...c/.
00F0: FE 87 76 8B 67 9B 00 B7 CA 81 51 9A D1 58 FF FE ..v.g.....Q..X..

] The system is vulnerable to security attacks, since the server private key is available to the public.>
<May 9, 2018, 3:18:27,345 PM IST> <Notice> <Server> <BEA-002613> <Channel "DefaultSecure" is now listening on 10.180.85.196:7002 for protocols iiops,
t3s, ldaps, https.>
<May 9, 2018, 3:18:27,345 PM IST> <Notice> <WebLogicServer> <BEA-000329> <Started the WebLogic Server Administration Server "AdminServer" for domain "
ui_domain" running in production mode.>
<May 9, 2018, 3:18:27,345 PM IST> <Notice> <Server> <BEA-002613> <Channel "Default" is now listening on 10.180.85.196:7001 for protocols iiop, t3, lda
p, snmp, http.>
<May 9, 2018, 3:18:27,345 PM IST> <Notice> <Server> <BEA-002613> <Channel "DefaultSecure" is now listening on 10.180.85.196:7002 for protocols iiops,
t3s, ldaps, https.>
<May 9, 2018, 3:18:27,348 PM IST> <Notice> <WebLogicServer> <BEA-000360> <The server started in RUNNING mode.>
<May 9, 2018, 3:18:27,360 PM IST> <Notice> <WebLogicServer> <BEA-000365> <Server state changed to RUNNING.>

```

- Once the server status changes to RUNNING proceed to execute the post installation script.
- Navigate to the middleware home and list the files in the directory. A post installation and configuration script named obp-ui-post-install.sh will be listed along with other files and directories.
- Navigate to the UI middleware location and give executable permission to the post install script:

```
$cd <ui middleware home>
```

- Execute the script using the following commands:

```
$/obp-ui-post-install.sh
```


Figure 6–11 Starting Post Installation

```
[ofssobp@mum00ad1: fmw]$ ./obp-ui-post-install.sh
DOMAIN_NAME                : ui_domain
DOMAIN_DIRECTORY_LOCATION  : /scratch/app/product/fmw/user_projects/domains
ADMIN_SERVER_LISTEN_ADDRESS : 10.180.85.196
ADMIN_SERVER_LISTEN_PORT   : 7001
MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.196
MANAGED_SERVER_SSL_LISTEN_PORT : 8002
MANAGED_SERVER_LISTEN_PORT : 8001
WEBLOGIC_USERNAME          : weblogic
WEBLOGIC_PASSWORD         : weblogic1
UI_IP                      : 10.180.85.196
UI_TARGET                  : /scratch/install/target
UI_MW_HOME                 : /scratch/app/product/fmw
KEYSTORE_PASSWORD         : welcome1
UI_SSL_PASSWORD           : welcome1
INSTALL_AS                 : ofssobp
HOST_ADMIN_SERVER_LISTEN_ADDRESS : 10.180.85.195
HOST_ADMIN_SERVER_LISTEN_PORT   : 7001
HOST_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.195
HOST_MANAGED_SERVER_LISTEN_PORT   : 8001
SOA_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.159
SOA_MANAGED_SERVER_LISTEN_PORT   : 8001
LDAP_PROVIDER              : OID
OID_IP                     : 10.180.87.84
OID_PORT                   : 389
OID_ADMIN_USER             : cn=orcladmin
OID_ADMIN_PWD              : welcome1
OID_GROUP_DSN              : cn=Groups,dc=in,dc=oracle,dc=com
OID_USER_DSN               : cn=Users,dc=in,dc=oracle,dc=com
NODE_MGR_PORT              : 5556
IPM_SERVER_IP              : 10.180.6.143
IPM_SERVER_PORT            : 16000
OFSAA_SERVER_IP            : ofsaa-ofss.com
OFSAA_SERVER_PORT         : 17000
OAAM_SERVER_IP            : oaam-ofss.com
OAAM_SERVER_PORT          : 14000
OIM_SERVER_IP              : oim-ofss.com
OIM_SERVER_PORT           : 16000
```

Figure 6–12 Starting Post Installation (contd)

```
OIM_SERVER_IP           : oim-ofss.com
OIM_SERVER_PORT         : 16000
UCM_READ_FROM_URL       : true
UCM_IP                   : ofss.ucm.com
UCM_PORT                 : 4444
OFFLINE_CHANNEL_OUTBOUND_USERNAME : offlineuser
OFFLINE_CHANNEL_OUTBOUND_PASSWORD : welcome1
CARD_USERNAME           : orakey
CARD_PASSWORD           : welcome1
RULE_USERNAME           : orakey
RULE_PASSWORD           : welcome1
USER_TIMEZONE           : +5:30
IPM_USERNAME             : weblogic
IPM_PASSWORD             : weblogic1
FTP_IPM_USERNAME        : ofssobp
FTP_IPM_PASSWORD        : ofssobp123
FTP_IPM_BATCH_USERNAME  : ofssobp
FTP_IPM_BATCH_PASSWORD  : ofssobp123
HOST_UNIX_USER          : ofssobp
BIP_SERVER_IP           : 10.180.6.143
Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
```

Figure 6–13 Continuation of Post-Installation

```

USER_TIMEZONE           : +5:30
IPM_USERNAME            : weblogic
IPM_PASSWORD            : weblogic1
FTP_IPM_USERNAME        : ofssobp
FTP_IPM_PASSWORD        : ofssobp123
FTP_IPM_BATCH_USERNAME  : ofssobp
FTP_IPM_BATCH_PASSWORD  : ofssobp123
HOST_UNIX_USER          : ofssobp
BIP_SERVER_IP           : 10.180.6.143
Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
y
Post-installation will begin in sometime...
ofssobp@10.180.6.143's password:
il8nAPI_v3.jar                               100% 904KB 904.4KB/s 00:00
il8nAPI_v3.jar copied from BIP machine
ofssobp@10.180.6.143's password:
xdocore.jar                                   100% 9060KB 8.9MB/s 00:01
xdocore.jar copied from BIP machine
ofssobp@10.180.6.143's password:
versioninfo.jar                               100% 6204KB 6.1MB/s 00:00
versioninfo.jar copied from BIP machine
ofssobp@10.180.6.143's password:
imaging-client.jar                             100% 863KB 863.3KB/s 00:00
imaging-client.jar copied from IPM machine
ofssobp@10.180.6.143's password:
oracle.ucm.ridc-11.1.1.jar                     100% 619KB 618.9KB/s 00:00
oracle.ucm.ridc-11.1.1.jar copied from IPM machine
Certificate stored in file <mum00adi.in.oracle.com.cer>
Certificate was added to keystore
Certificate was added to keystore
Certificate stored in file <orakey.crt>
Logging WLS stderr to /scratch/app/product/fmw/user_projects/domains/ui_domain/servers/AdminServer/stderr.log
-----
/scratch/app/product/fmw/obpininstall/obp
ofssobp@10.180.85.159's password:

```

Figure 6–14 Continuation of Post-Installation (contd)

```

Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
y
Post-installation will begin in sometime...
ofssobp@10.180.6.143's password:
il8nAPI_v3.jar                                100% 904KB 904.4KB/s 00:00
il8nAPI_v3.jar copied from BIP machine
ofssobp@10.180.6.143's password:
xdocore.jar                                    100% 9060KB 8.9MB/s 00:00
xdocore.jar copied from BIP machine
ofssobp@10.180.6.143's password:
versioninfo.jar                               100% 6204KB 6.1MB/s 00:00
versioninfo.jar copied from BIP machine
ofssobp@10.180.6.143's password:
imaging-client.jar                            100% 863KB 863.3KB/s 00:00
imaging-client.jar copied from IPM machine
ofssobp@10.180.6.143's password:
oracle.ucm.ridc-11.1.1.jar                    100% 619KB 618.9KB/s 00:00
oracle.ucm.ridc-11.1.1.jar copied from IPM machine
Certificate stored in file <mum00adi.in.oracle.com.cer>
Certificate was added to keystore
Certificate was added to keystore
Certificate stored in file <orakey.crt>
Logging WLS stderr to /scratch/app/product/fmw/user_projects/domains/ui_domain/servers/AdminServer/stderr.log
-----
/scratch/app/product/fmw/obpinstall/obp
ofssobp@10.180.85.159's password:
cwallet.sso.lck                               100% 0 0.0KB/s 00:00
cwallet.sso                                   100% 1381 1.4KB/s 00:00
ofssobp@10.180.85.159's password:
keystores.xml                                 100% 195KB 195.2KB/s 00:00
[ofssobp@mum00adi: fmw]$ █

```

7. For monitoring the script run check the following log files created under the ui domain directory:
 - obp-ui-install-log.txt
 - obp-ui-install-log-py.txt

7 Oracle Banking Platform Reference Process Models Media Pack Installation

This chapter details the steps involved in the installation of Oracle Banking Platform Reference Process Models Media pack (Media pack 4).

The business processes that are supported by Oracle Banking Platform (OBP) have been defined using Oracle BPA – Oracle Business Process Management Version 12.2.1.3.0.

7.1 Pre-Installation Steps

This section lists the pre-installation steps required for the Oracle Banking Platform Reference Process Models Media Pack.

The media pack consists of a zip file that contains all the projects that are part of this release.

To view the process maps, it is mandatory that the Oracle BPM Version 12.2.1.3.0 is installed in the server, and appropriately configured based on the specific installation needs. For more information, see the Oracle BPM Installation guide.

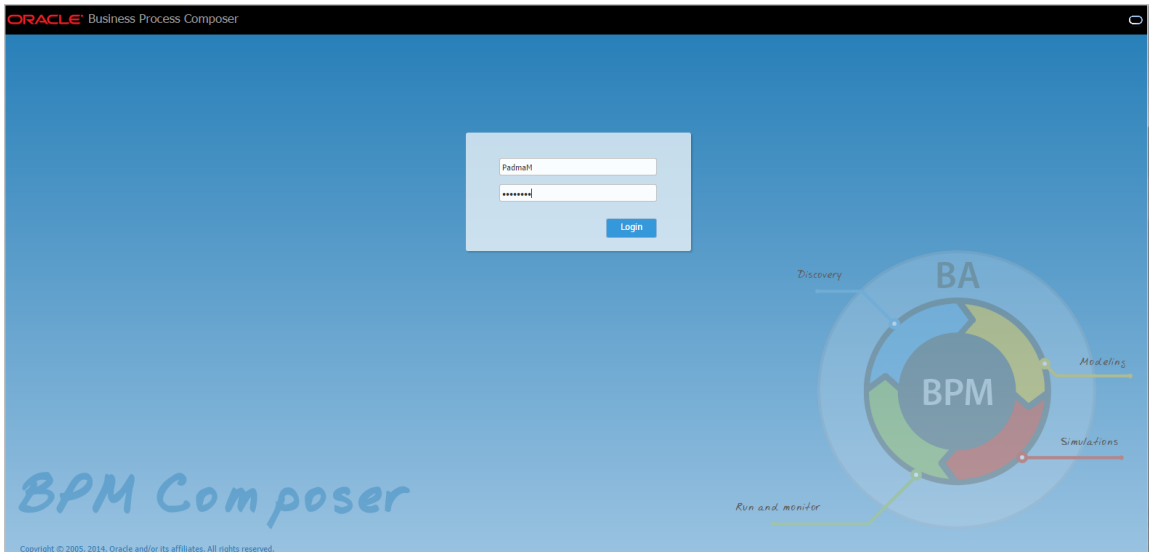
Copy the zip file from the media pack and unzip the contents with the password provided, to a folder on a server or desktop.

7.2 Installing RPM Process Maps

This section lists the installation steps required for the Reference Process Models Process Maps.

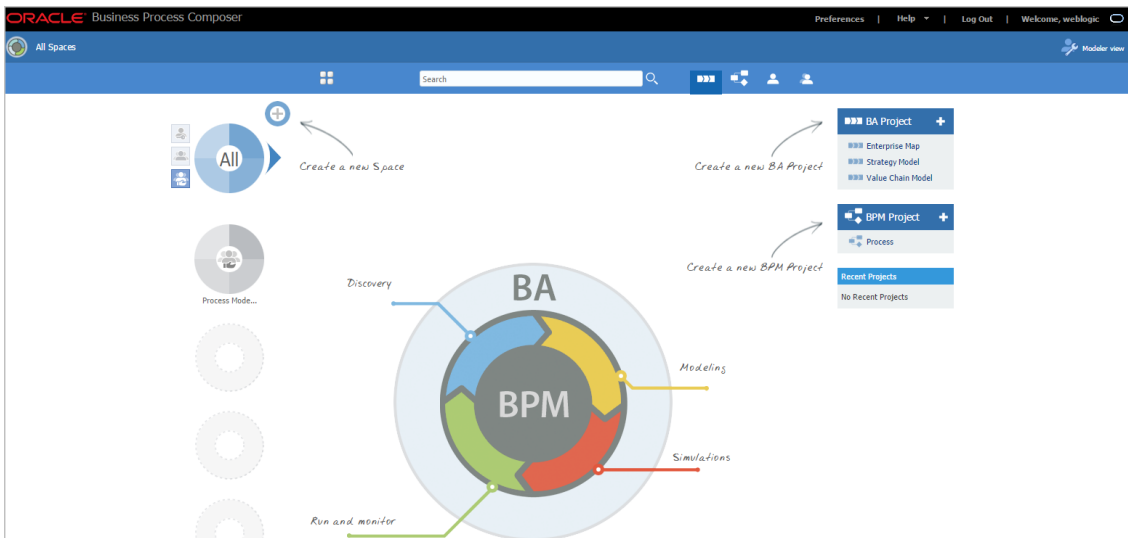
1. Launch the Oracle Business Process Composer from a browser, and connect to the Web Server where BPM 12.2.1.3.0 has been installed.

Figure 7–1 Log in to the OBP Composer



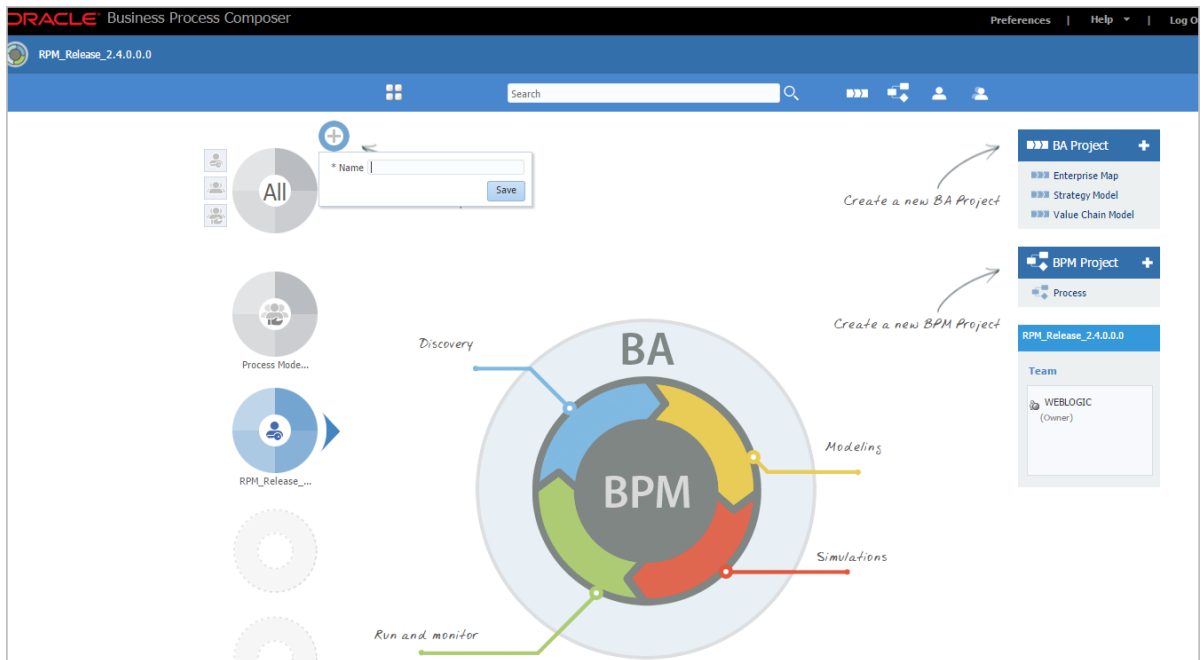
2. Create a new space for the release by clicking the + icon.

Figure 7–2 Create a New Space



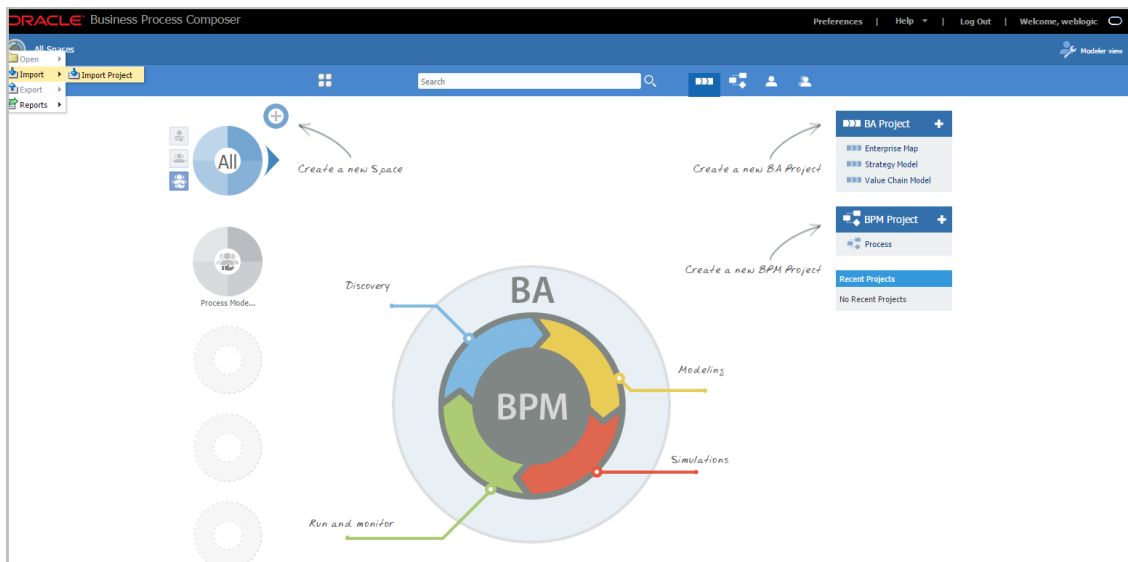
3. Provide an appropriate name for the Space in the box. For example, RPM for OBP Release 2.6.2.0.0.

Figure 7–3 Name the Space



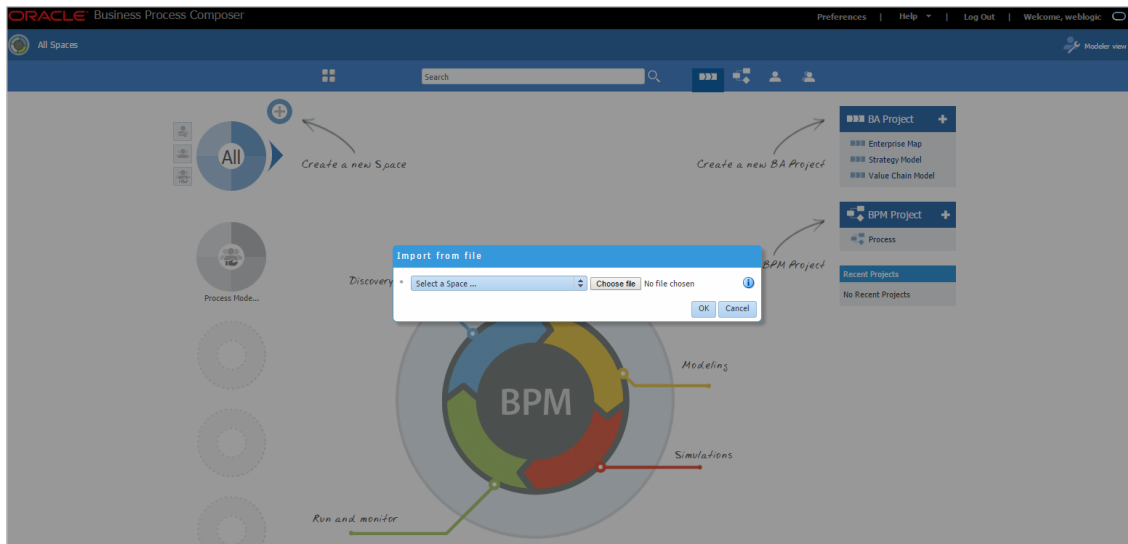
4. Click the **All Spaces** icon in the top left corner. Select **Import** and then select **Import Project**.

Figure 7–4 Import Project



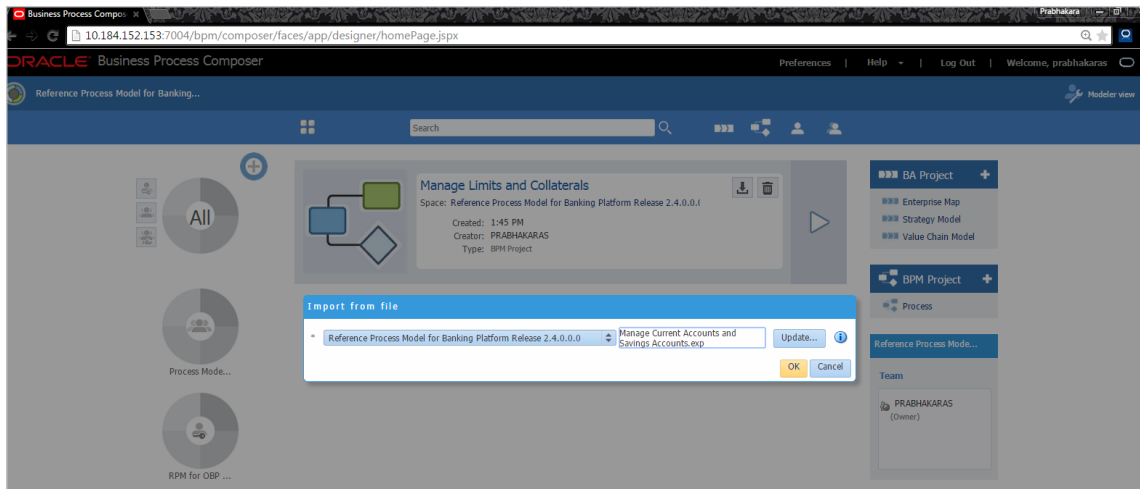
5. Select the newly created space and then select the first file from the files that have been unzipped from the media pack, as a part of the pre-installation step.

Figure 7–5 Select the first file



6. Click **OK** to import the project.

Figure 7–6 Click OK to Import the Project



7. There are many projects in each release. Proceed to import all the projects one by one into the space.
8. Once all the projects are imported, you can then provide access rights to your users as per your organization requirements and norms. Users can now access BPM processes within the projects according to their access privileges.

The installation process is complete.

8 Oracle BAM Installation using OBP SOA Media Pack

This chapter details every step involved in the installation of BAM using OBP SOA (Integration Server) Media pack. The subsequent section refers to the variable names specified in [Section 3.4 Installation Checklist](#).

It is mandatory not to carry out BAM installation in the same machine where SOA installation was done.

Note

This section is valid for OBEO and OBP applications.

8.1 Installation and Configuration Procedure

This section details the installation procedure for BAM using OBP SOA Media Pack.

8.1.1 Preparatory Steps

This section lists the preparatory steps required for BAM using OBP SOA Media Pack.

Step 1 Procuring Installables

Download the appropriate SOA media pack from the following location:

<http://edelivery.oracle.com/>

Step 2 Extracting the Installables

Copy the 'soa.zip' to a local Linux VM or Linux machine from where the installation will be carried out. Extract the 'soa.zip'. Three files will be extracted:

- A zip file 'obpinstall-soa.zip'
- The installation script 'installobpsoa.sh'
- The install configuration property file 'installobpsoa.properties'

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in [Section 3.4 Installation Checklist](#) of this guide and note the values applicable for each point in the last column for Value so that the same is handy during the actual installation.

8.1.2 Pre-Installation Steps

This section lists the pre-installation steps required for BAM using OBP SOA Media Pack.

Step 1 Updating installobpsoa.properties

Navigate to the directory where the files obpinstall-soa.zip, installobpsoa.sh and installobpsoa.properties are placed and update installobpsoa.properties with relevant values from the checklist. This should be easy as the key for properties is same as Name column of the checklist.

Step 2 Checklist for a new setup

Before initiating installation, check the following:

- Node manager must not be running on the target machine.
- Create a dummy folder named target and mention its path against HOST_TARGET property.
- Values given in installobpui.properties must be correct. At run time, no option is given to change the values.
- No processes should be running on the ports given in installobpsoa.properties.
- In case of a re-installation ensure that the directory paths against SOA_TARGET and SOA_MW_HOME specified in installobpsoa.properties are cleaned up for traces of any previous installations, as the remote shell copy may not be overwriting in case of any residual file left by the previous run.
- Before initiating the installation, ensure that all the values given in installobpsoa.properties are correct. At the time of installation, the values will only be displayed once for verification, and it will not be possible to change the values once the installation begins.
- The property that should be modified for BAM Pre Installation is as follows:

Table 8–1 BAM Installation Property

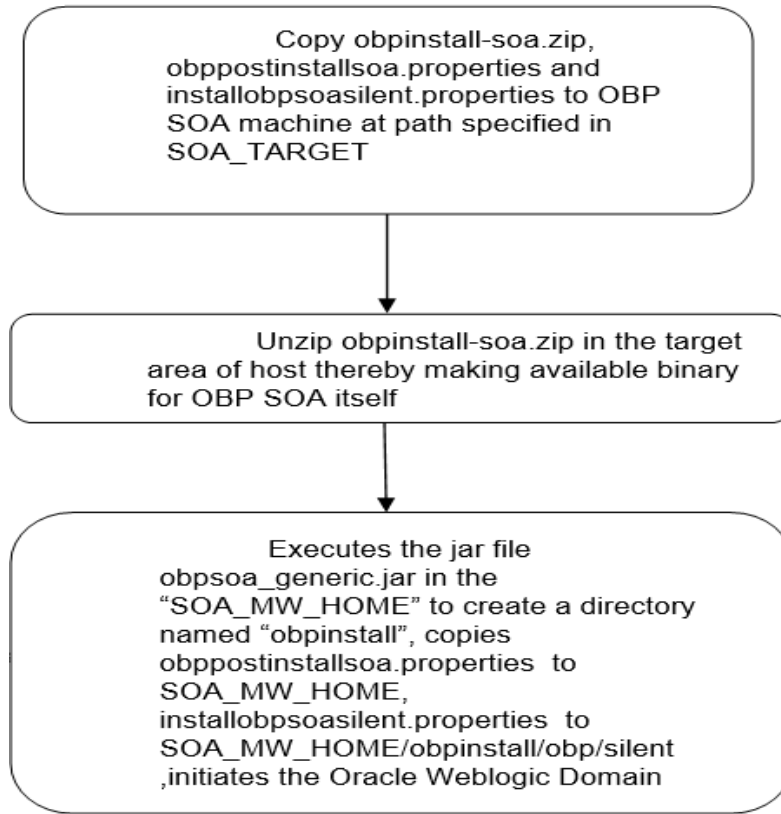
Property Name	Property Value
BAM_INSTALLATION	Y or y

For BAM installation to take place this property should be set to any of the above two values. In case of SOA Installation, this property is set as N.

8.1.3 Installation Steps

This section lists the installation steps for BAM using OBP SOA Media Pack.

1. Navigate to the directory where the media pack files are placed and execute installobpsoa.sh. The installation script shall echo the values entered in the installobpsoa.properties file and ask for a confirmation to go ahead with the installation.
2. The installation script automatically triggers the following significant steps using secure remote copy 'scp' command and remote shell commands execution using the 'ssh' command.

Figure 8–1 Steps in `installobpsoa.sh` script

A sample output is given here.

```
./installobpsoa.sh
```

Figure 8–2 Verification of Properties

```

[ofsso@obpm000abo soa]$ ./installobpsoa.sh
The present working directory is /scratch/install/soa. It is assumed that all installables are present in this directory.
Printing the information entered above
SILENT_INSTALL                : y
LOCAL_IP                      : 10.180.85.159
LOCAL_DISPLAY_VALUE          : 8.0
DOMAIN_NAME                  : base_domain
DOMAIN_DIRECTORY_LOCATION    : /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME            : weblogic
WEBLOGIC_PASSWORD            : weblogic1
MDS_SCHEMA_USER              : PRD$OA_MDS
SOA_INFRASTRUCTURE_SCHEMA_USER : PRD$OA_SOAINFRA
DB_SCHEMA_PASSWORD           : welcome1
DB_IP                        : 10.180.87.84
DB_PORT                      : 1521
DB_SERVICE_NAME              : P8784A
HOST_SCHEMA_USER             : OBP262
HOST_SCHEMA_PASSWORD         : welcome1
HOST_DB_IP                   : 10.180.87.84
HOST_DB_PORT                 : 1521
HOST_DB_SERVICE_NAME         : P8784A
ADMIN_SERVER_LISTEN_ADDRESS  : 10.180.85.159
ADMIN_SERVER_LISTEN_PORT    : 7001
ADMIN_SERVER_SSL_LISTEN_PORT : 7002
SOA_SERVER_LISTEN_ADDRESS    : 10.180.85.159
SOA_SERVER_LISTEN_PORT      : 8001
SOA_SERVER_SSL_LISTEN_PORT   : 8002
HUMANTASK_SERVER_LISTEN_ADDRESS : 10.180.85.159
HUMANTASK_SERVER_LISTEN_PORT : 9001
HUMANTASK_SERVER_SSL_LISTEN_PORT : 9002
BAM_SERVER_LISTEN_ADDRESS    : 10.180.85.159
BAM_SERVER_LISTEN_PORT      : 9003
BAM_SERVER_SSL_LISTEN_PORT   : 9004
HOST_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.196
HOST_MANAGED_SERVER_LISTEN_PORT : 8001
LDAP_PROVIDER                 : OID
OID_IP                       : 10.180.87.84

```

Figure 8–3 Verification of Properties

```

OID_IP                       : 10.180.87.84
OID_PORT                     : 389
OID_ADMIN_USER               : cn=orcladmin
OID_ADMIN_PWD                 : welcome1
OID_GROUP_DSN                : cn=Groups,dc=in,dc=oracle,dc=com
OID_USER_DSN                  : cn=Users,dc=in,dc=oracle,dc=com
OPSS_SOA_SCHEMA_USER         : PRD$OA_OPSS
OPSS_SOA_SCHEMA_PASSWORD     : welcome1
OPSS_SOA_DB_IP               : 10.180.87.84
OPSS_SOA_DB_PORT             : 1521
OPSS_SOA_DB_SERVICE_NAME     : P8784A
NODE_MGR_PORT                 : 5555
SOA_IP                       : 10.180.85.159
SOA_CLUSTER_NAME             : obpsoa_cluster1
SOA_SERVER_NAME              : soa_server1
HUMAN_TASK_CLUSTER_NAME      : obphumantask_cluster1
HUMAN_TASK_SERVER_NAME       : obphumantask_server1
SOA_TARGET                    : /scratch/install/itarget
SOA_JAVA_HOME                 : /scratch/app/product/jdk1.8.0_101
SOA_UI_JAVA_HOME              : /scratch/app/product/jdk1.8.0_101
CENTRAL_INVENTORY_LOC        : /scratch/app/oraInventory/
SOA_MM_HOME                   : /scratch/app/product/fmw
UI_IP                         : 10.180.85.196
UI_UNIX_USER                  : ofsso
UI_DOMAIN_HOME                : /scratch/app/product/fmw/user_projects/domains/ui_domain
INSTALL_AS                    : ofsso
SOA_ADMIN_JVM_PARAMS          : -Xms1024m -Xmx2048m
SOA_MANAGED_JVM_PARAMS        : -XX:NewSize=2048m -XX:MaxNewSize=4096m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Xms8192m -Xmx15360m
SOA_HUMANTASKSERVER_JVM_PARAMS : -Djbo.ampool.doampooling=false -Xms4096m -Xmx8084m -XX:NewSize=512m -XX:MaxNewSize=2048m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Dobp.http.maxRetryCount=1 -Dobp.http.socketBufferSize=8192 -Dobp.http.maxConnectionsPerHost=20 -Dobp.http.expireAndRetry=true -Dobp.http.maxConnectionsPerHost=150 -Dobp.http.connectionTimeout=600000 -Dobp.http.idleTimeoutPollInterval=10000 -Dobp.http.staleCheckEnabled=true
KEYSTORE_PASSWORD             : welcome1
UI_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.196
UI_MANAGED_SERVER_LISTEN_PORT : 8001
DEFAULT_BANK_CODE             : 88
DEFAULT_TRANSACTION_BRANCH_CODE : 089999

```

Figure 8–4 Confirmation to Proceed Domain Installation (cont.)

```

DEFAULT_TRANSACTION_BRANCH_CODE : 009999
DEFAULT_TARGET_UNIT              : OBP_BU
CARD_USERNAME                    : orakey
CARD_PASSWORD                    : welcome1
RULE_USERNAME                   : orakey
RULE_PASSWORD                   : welcome1
USER_TIMEZONE                   : +5:30
SOA_SSL_PASSWORD                : welcome1
REMOTE_EXECUTION                : Y
BAM_INSTALLATION                : N
IPM_USERNAME                    : wblogic
IPM_PASSWORD                    : wblogic1
FTP_IPM_USERNAME                : ofssobp
FTP_IPM_PASSWORD                : ofssobp123
FTP_IPM_BATCH_USERNAME          : ofssobp
FTP_IPM_BATCH_PASSWORD          : ofssobp123
IPM_HOME                        : /scratch/app/product/fmw_ipm/Oracle_ECM1
IPM_SERVER_IP                   : 10.100.0.143
BIP_SERVER_IP                   : 10.100.0.143
BIP_SERVER_PORT                 : 9502
BIP_UNIX_USER                   : ofssobp
BIP_HOME                        : /scratch/app/product/fmw_bip/bi

Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.

```

3. Verify the value of each property carefully before proceeding.
4. If all values are correct, then enter 'Y' or 'y' and press Enter to initiate the installation. The installation utility performs the installation and domain is created silently.

Figure 8–5 Copying and Extraction of obpinstall-soa.zip

```

Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
Y
Installation will begin in sometime.
Please wait while the installables are copied onto the servers.
The authenticity of host '10.100.0.150 (10.100.0.150)' can't be established.
ECDSA key fingerprint is dc:11:29:24:4c:e0:17:08:45:ad:6b:b0:b8:ac:1b:4a.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.100.0.150' (ECDSA) to the list of known hosts.
ofssobp@10.100.0.150's password:
obpinstall-soa.zip                                                    100% 357MB 178.6MB/s 00:02
installobpsilent.properties                                         100% 1551 1.5KB/s 00:00
The configuration of OBP SOA domain shall begin immediately thereafter.
ofssobp@10.100.0.150's password:
Archive: /scratch/install/target/obpinstall-soa.zip
  inflating: /scratch/install/target/obpsoa_generic.jar
  inflating: /scratch/install/target/installdomain.sh
  inflating: /scratch/install/target/installdomain_silent.sh
  inflating: /scratch/install/target/obp-soa-post-install.sh
  inflating: /scratch/install/target/obp-soa-post-install.py
  inflating: /scratch/install/target/update-syncMaxTimeWait.py
  inflating: /scratch/install/target/deployProcesses.py
  inflating: /scratch/install/target/bam.sh
  inflating: /scratch/install/target/metadataSOMupdate.sh
  inflating: /scratch/install/target/encryptPassword.py
  inflating: /scratch/install/target/docutils-0.12.tar.gz
  inflating: /scratch/install/target/JPype1-0.5.7.tar.gz
  inflating: /scratch/install/target/PyYAML-3.11.tar.gz
  inflating: /scratch/install/target/SOAPpy-0.12.5.tar.gz
  inflating: /scratch/install/target/suds-0.4.tar.gz
  inflating: /scratch/install/target/wstools-0.4.3.tar.gz
  extracting: /scratch/install/target/bam.zip
  inflating: /scratch/install/target/bpel-config.xml.xml
  inflating: /scratch/install/target/Plan.xml.tpl
  inflating: /scratch/install/target/BAMCommandConfig.xml.tpl
--> /scratch/app/product/jdk1.8.0_101/bin/java -jar /scratch/install/target/obpsoa_generic.jar -silent ORACLE_HOME=/scratch/app/product/fmw/obpinstall
INVENTORY_LOCATION=/scratch/app/orainventory/

```

Figure 8–6 Copying and Extraction of obpininstall-soa.zip

```

INVENTORY_LOCATION=/scratch/app/orainventory/
Launcher log file is /tmp/OraInstall2018-05-03_02-59-31PM/launcher2018-05-03_02-59-31PM.log.
Extracting files....
Starting Oracle Universal Installer

Checking if CPU speed is above 300 MHz. Actual 2693.561 MHz Passed
Checking swap space: must be greater than 512 MB. Actual 23790572 MB Passed
Checking if this platform requires a 64-bit JVM. Actual 64 Passed (64-bit not required)
Checking temp space: must be greater than 300 MB. Actual 30364 MB Passed

Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2018-05-03_02-59-31PM
Installation Summary
-----
Disk Space : Required 1,338 MB, Available 650,535 MB
Feature Sets to Install:
  OBP SOA Server FeatureSet 2.6.2.0.8
  Next Generation Install Core 13.2.0.0.0
  OPatch 13.2.0.0.0
-----
You can find the log of this install session at:
/tmp/OraInstall2018-05-03_02-59-31PM/install2018-05-03_02-59-31PM.log

Loading products list. Please wait.
-----
----- 1%
----- 40%

Loading products. Please wait.
-----
----- 45%
----- 47%
----- 50%
----- 53%
----- 55%
----- 60%
----- 63%

```

Figure 8–7 Copying and Extraction of obpininstall-soa.zip

```

----- 63%
----- 66%
----- 70%
----- 73%
----- 76%
----- 80%
----- 83%
----- 85%
----- 90%
----- 93%
----- 95%
----- 99%
----- 23% Done.
----- 45% Done.
----- 70% Done.
-----
Installation in progress (Thursday, May 3, 2018 2:59:53 PM IST)
74% Done.
Install successful

Linking in progress (Thursday, May 3, 2018 2:59:53 PM IST)
Link successful

Setup in progress (Thursday, May 3, 2018 2:59:53 PM IST)
Setup successful

Saving inventory (Thursday, May 3, 2018 2:59:53 PM IST)
Saving inventory complete
Configuration complete

End of install phases.(Thursday, May 3, 2018 2:59:53 PM IST)
Logs successfully copied to /scratch/app/orainventory/logs.

Initializing WebLogic Scripting Tool (WLST) ...

Jython scans all the jar files it can find at first startup. Depending on the system, this process may take a few minutes to complete, and WLST may not return a prompt right away.

```

Figure 8–8 Domain Creation Confirmation

```

Python scans all the jar files it can find at first startup. Depending on the system, this process may take a few minutes to complete, and WLS may not
return a prompt right away.

Welcome to WebLogic Server Administration Scripting Shell

Type help() for help on available commands

Domain creation started...
Error: No domain or domain template has been read.
Error: No domain or domain template has been read.
Read domain /scratch/app/product/fmw/user_projects/domains/base_domain to applyJRF
Target JRF components to "obpsoa_cluster1"
Copying JRF configuration files from /scratch/app/product/fmw/oracle_common/modules to /scratch/app/product/fmw/user_projects/domains/base_domain/conf
ig/fmwconfig/servers/soa_server1
Update JRF changes to domain /scratch/app/product/fmw/user_projects/domains/base_domain in offline mode
Target JRF components to "obphumantask_cluster1"
Copying JRF configuration files from /scratch/app/product/fmw/oracle_common/modules to /scratch/app/product/fmw/user_projects/domains/base_domain/conf
ig/fmwconfig/servers/obphumantask_server1
Update JRF changes to domain /scratch/app/product/fmw/user_projects/domains/base_domain in offline mode
Domain created successfully
[ofsobp@mm0babp soa1]

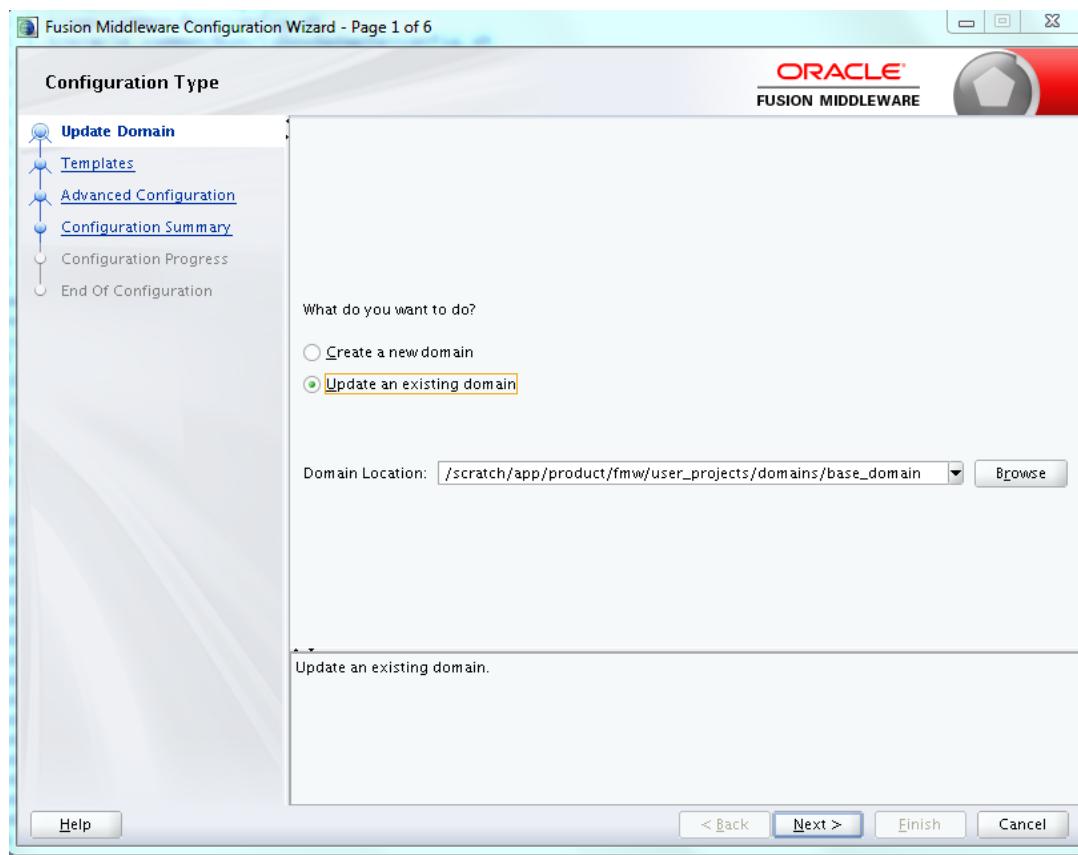
```

8.1.3.1 Updating Domain with BAM Template

After domain creation in pre-installation, perform the following steps for updating the domain with BAM template:

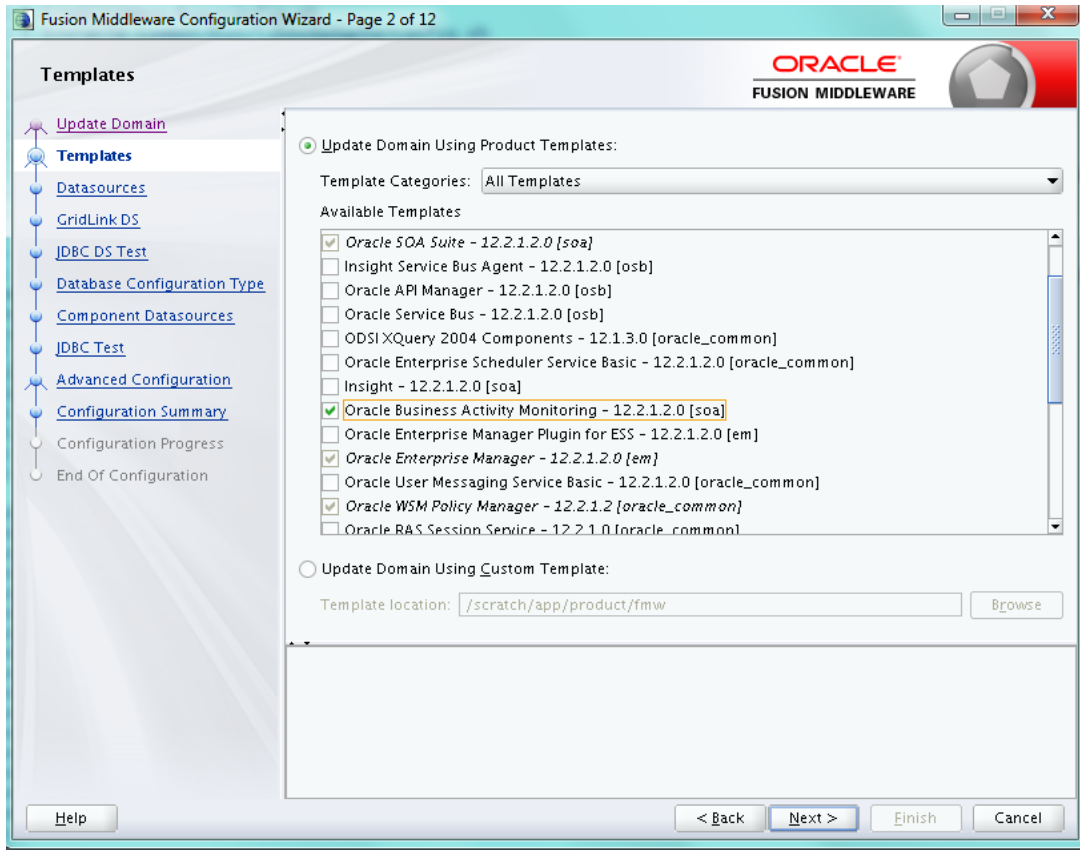
1. Change directory to <MIDDLEWARE_HOME>/oracle_common/common/bin.
2. Execute config.sh. A configuration wizard window appears.
3. In the **Configuration Type** page, select the **Update an existing domain** option.

Figure 8–9 Configuration Type page



4. Click **Next**.
5. In the **Templates** page, select the **Oracle Business Activity Monitoring** check box, in the **Available Templates** section.

Figure 8–10 Templates page



6. Click **Next**.
7. In the **JDBC Data Sources** page, verify the database details for Datasources and then click **Next**.

Figure 8–11 JDBC Data Sources page

Fusion Middleware Configuration Wizard - Page 3 of 12

JDBC Data Sources

ORACLE
FUSION MIDDLEWARE

Vendor: Driver:

DBMS/Service: Host Name: Port:

Username: Password:

Oracle RAC configuration for data sources:

Convert to GridLink Convert to RAC multi data source Don't convert

Edits to the data above will affect all checked rows in the table below.

<input type="checkbox"/>	Data Source	DBMS/Service	Host Name	Port	Username	Password
<input type="checkbox"/>	mds-obpui	P6148A	10.180.6.148	1521	SOATEST_MDS	*****

Help < Back Next > Finish Cancel

8. In the **GridLink Oracle RAC Data Sources** page, verify the database details for Datasources and then click **Next**.

Figure 8–12 GridLink Oracle RAC Data Sources page

Fusion Middleware Configuration Wizard - Page 4 of 12

GridLink Oracle RAC Data Sources

ORACLE
FUSION MIDDLEWARE

Update Domain
Templates
Datasources
GridLink DS
JDBC DS Test
Database Configuration Type
Component Datasources
JDBC Test
Advanced Configuration
Configuration Summary
Configuration Progress
End Of Configuration

Driver: Service Listener: Port: Protocol:

Service Name:

Username:

Password:

Enable FAN: Enable SSL:

Wallet File: Varies among data sources

Wallet Password: Varies among data sources

ONS Host: Port:

SCAN: Host Name: Port: Add Delete

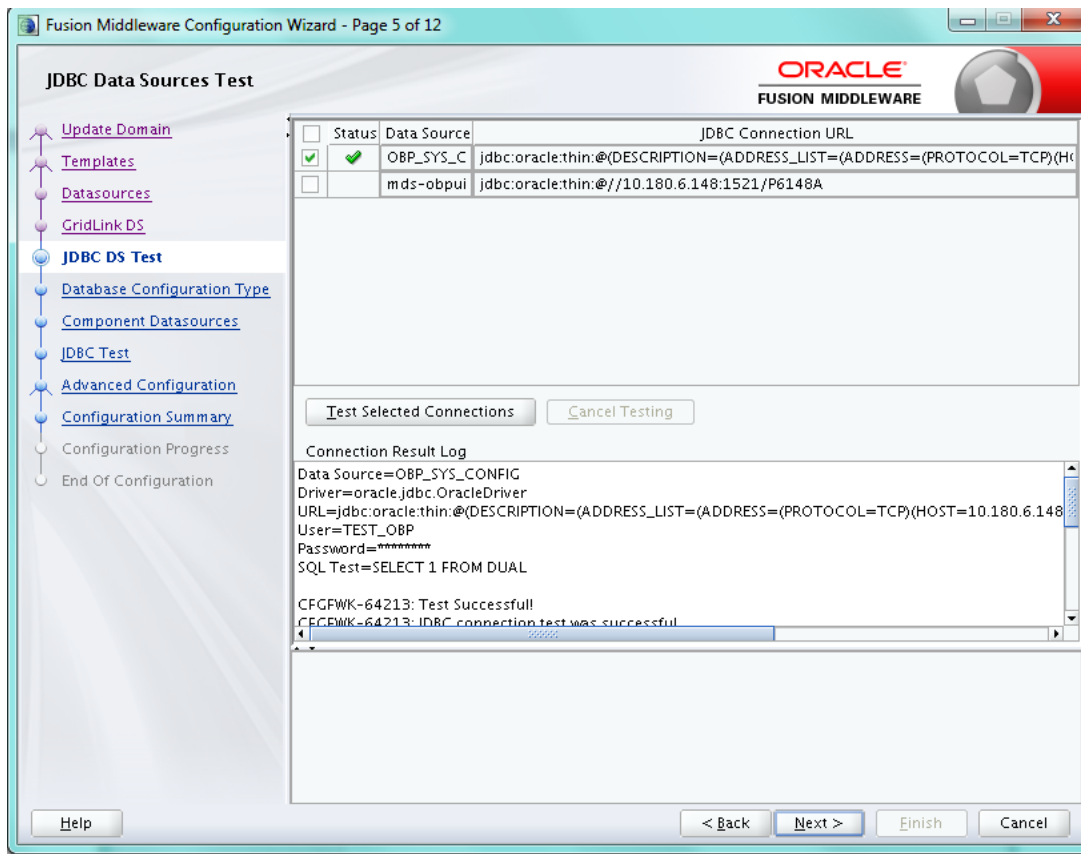
Edits to the data above will affect all checked rows in the table below.

<input type="checkbox"/>	RAC Data Source	Service Name	Username	Password
<input type="checkbox"/>	OBP_SYS_CONFIG	P6148A	TEST_OBP	●●●●●●

Help < Back Next > Finish Cancel

- In the **JDBC Data Sources Test** page, click **Test Selected Connections**. The details of the connection result appears in the **Connection Result Log** section.

Figure 8–13 JDBC Data Sources Test page



10. Click **Next**.
11. In the **Database Configuration Type** page, select the **RCU Data** option in the **Specify AutoConfiguration Options Using:** section.

Figure 8–14 Database Configuration Type page

Fusion Middleware Configuration Wizard - Page 6 of 12

Database Configuration Type

ORACLE
FUSION MIDDLEWARE

Specify AutoConfiguration Options Using:

RCU Data Manual Configuration

Enter the database connection details using the Repository Creation Utility service table (STB) schema credentials. The Wizard uses this connection to automatically configure the datasources required for components in this domain.

Vendor: Oracle Driver: *Oracle's Driver (Thin) for Service connections; Vers...

DBMS/Service: P6148A Host Name: 10.180.6.148 Port: 1521

Schema Owner: SOATEST_STB Schema Password:

Connection Result Log

Connecting to the database server...OK
Retrieving schema data from database server...OK
Binding local schema components with retrieved data...OK
Successfully Done.

Click "Next" button to continue.

12. Update the RCU details and then click **Get RCU Configuration**.
13. If successful, click **Next**.

Figure 8–15 JDBC Component Schema page

Fusion Middleware Configuration Wizard - Page 7 of 12

JDBC Component Schema

ORACLE
FUSION MIDDLEWARE

Vendor: Driver:

DBMS/Service: Host Name: Port:

Schema Owner: Schema Password:

Oracle RAC configuration for component schemas:

Convert to GridLink Convert to RAC multi data source Don't convert

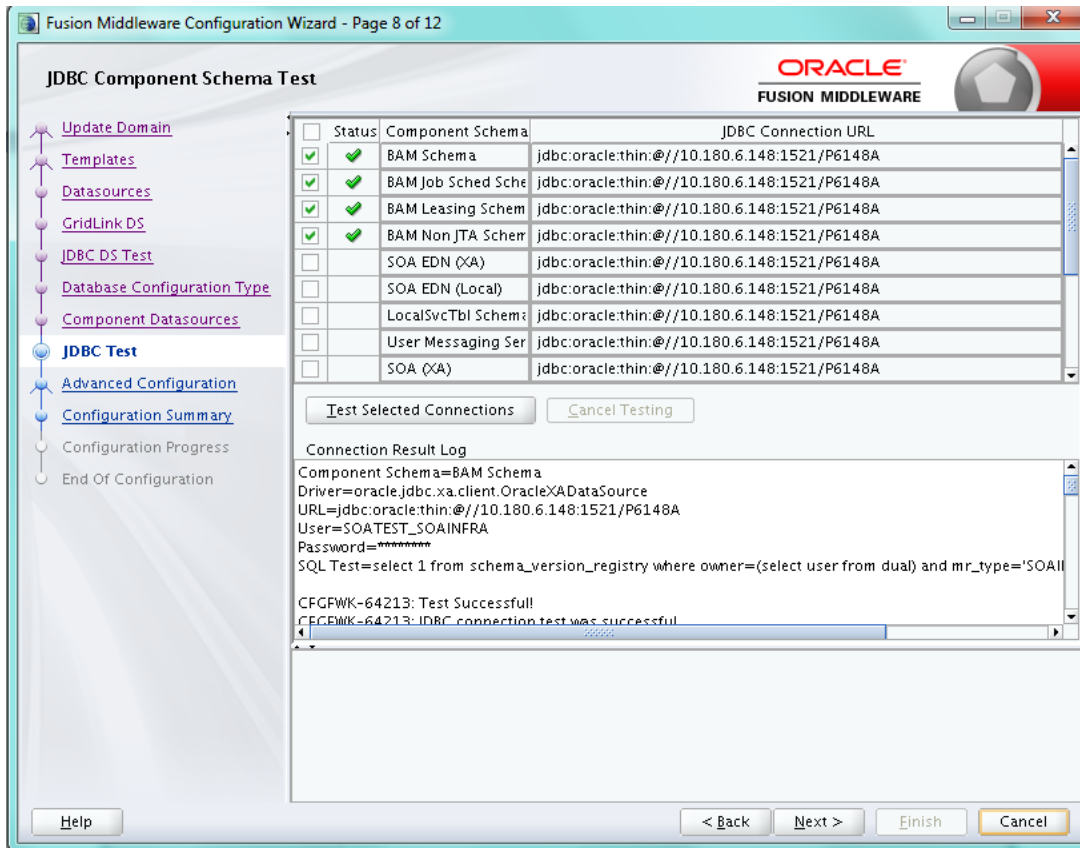
Edits to the data above will affect all checked rows in the table below.

<input type="checkbox"/>	Component Schema	DBMS/Service	Host Name	Port	Schema Owner	Schema Password
<input type="checkbox"/>	BAM Schema	P6148A	10.180.6.148	1521	SOATEST_SO#	●●●●●●
<input type="checkbox"/>	BAM Job Sched Schema	P6148A	10.180.6.148	1521	SOATEST_WLS	●●●●●●
<input type="checkbox"/>	BAM Leasing Schema	P6148A	10.180.6.148	1521	SOATEST_WLS	●●●●●●
<input type="checkbox"/>	BAM Non JTA Schema	P6148A	10.180.6.148	1521	SOATEST_SO#	●●●●●●
<input type="checkbox"/>	SOA EDN (XA)	P6148A	10.180.6.148	1521	SOATEST_SO#	●●●●●●
<input type="checkbox"/>	SOA EDN (Local)	P6148A	10.180.6.148	1521	SOATEST_SO#	●●●●●●
<input type="checkbox"/>	LocalSvcTbl Schema	P6148A	10.180.6.148	1521	SOATEST_STB	●●●●●●
<input type="checkbox"/>	User Messaging Servic	P6148A	10.180.6.148	1521	SOATEST_UMS	●●●●●●
<input type="checkbox"/>	SOA (XA)	P6148A	10.180.6.148	1521	SOATEST_SO#	●●●●●●
<input type="checkbox"/>	SOA (Local)	P6148A	10.180.6.148	1521	SOATEST_SO#	●●●●●●

Help < Back **Next >** Finish Cancel

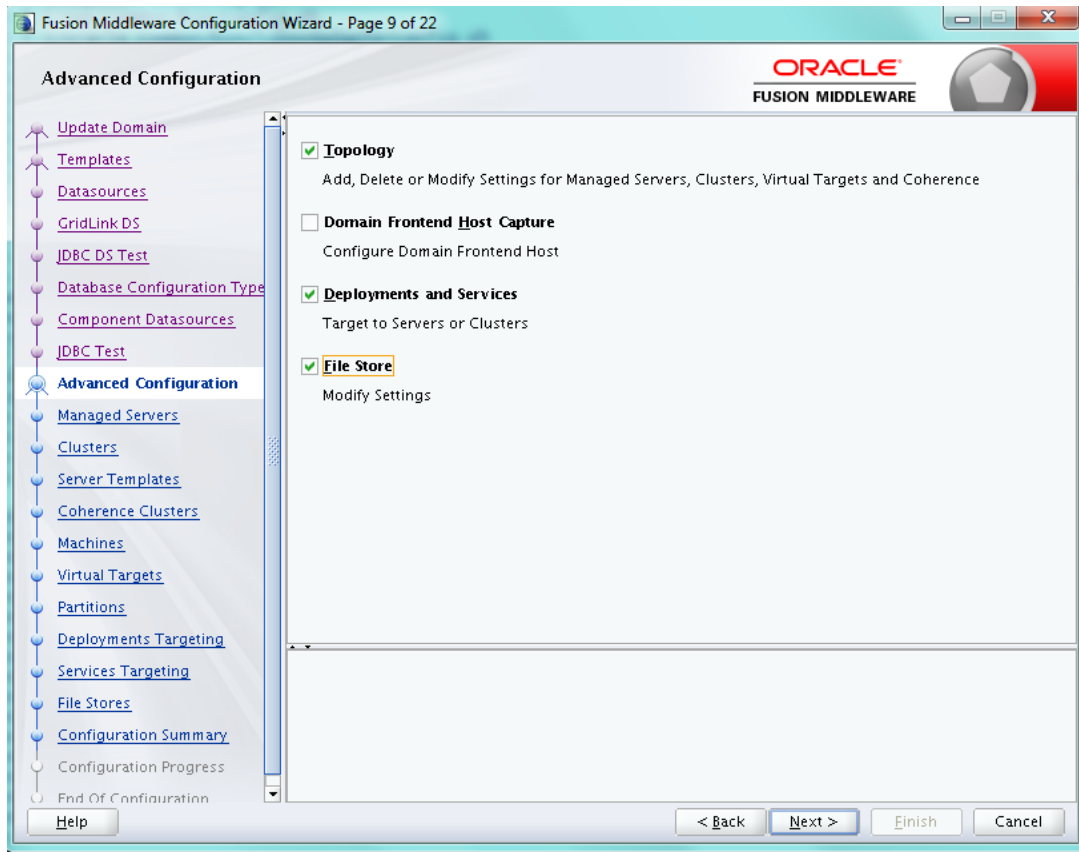
14. Click **Next**.
15. In the **JDBC Component Schema Test** page, click **Test Selected Connections**. The details of the connection result appear in the **Connection Result Log** section.

Figure 8–16 JDBC Component Schema Test page



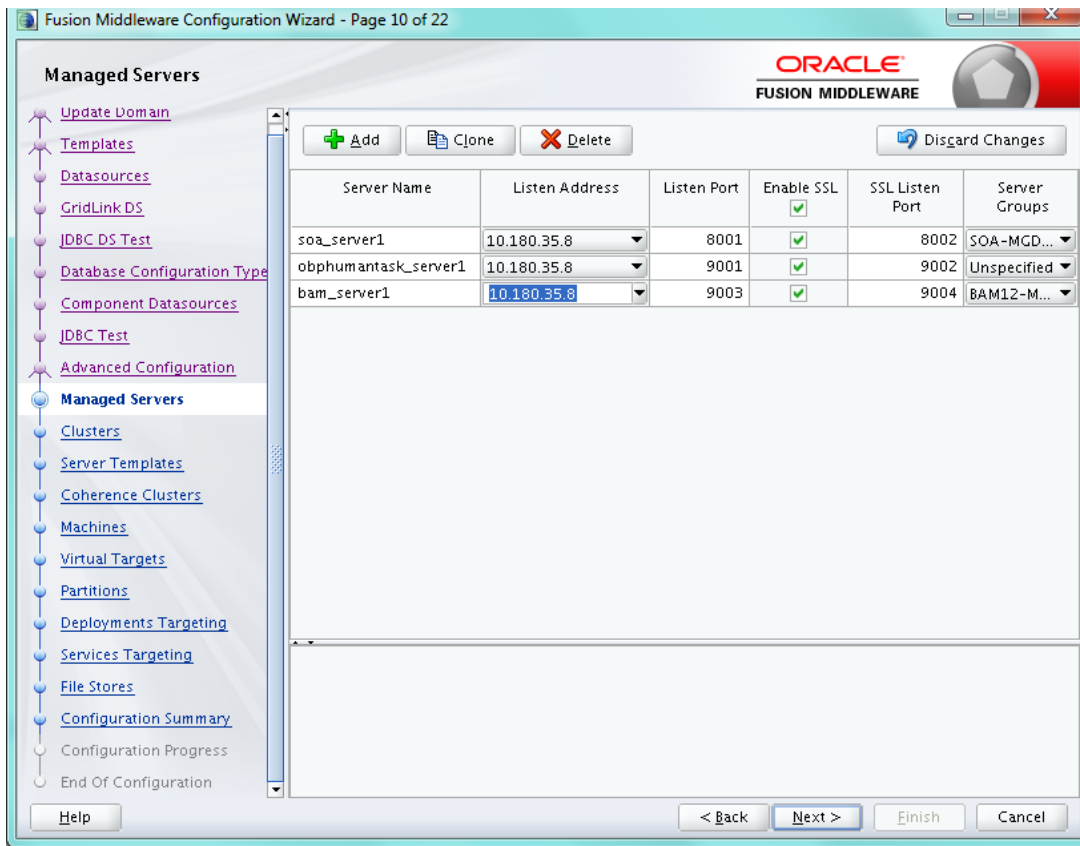
16. If the selected connections are successfully tested, click **Next**.
17. In the **Advanced Configuration** page, select the **Topology, Deployments and Services, and File Store** check boxes.

Figure 8–17 Advanced Configuration page



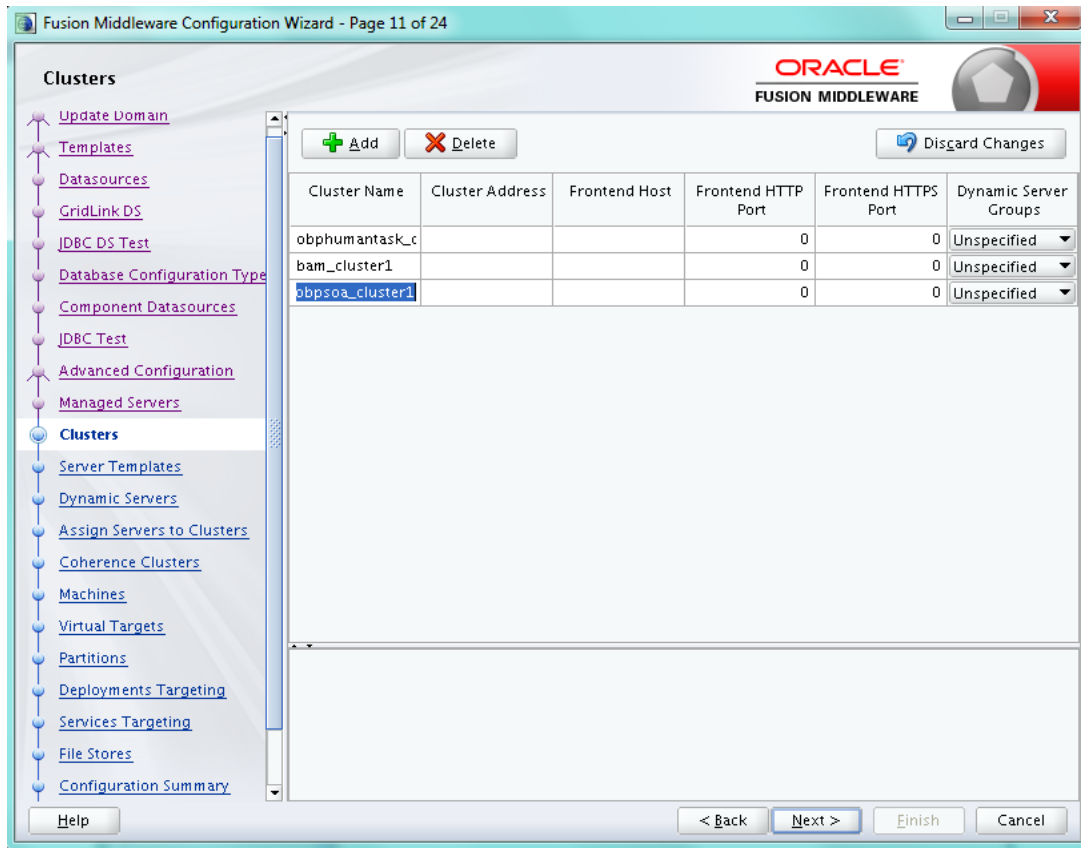
18. Click **Next**.
19. In the **Managed Servers** page, update the BAM server details in the **Listen Address** and **Listen Port** columns.

Figure 8–18 Managed Servers page

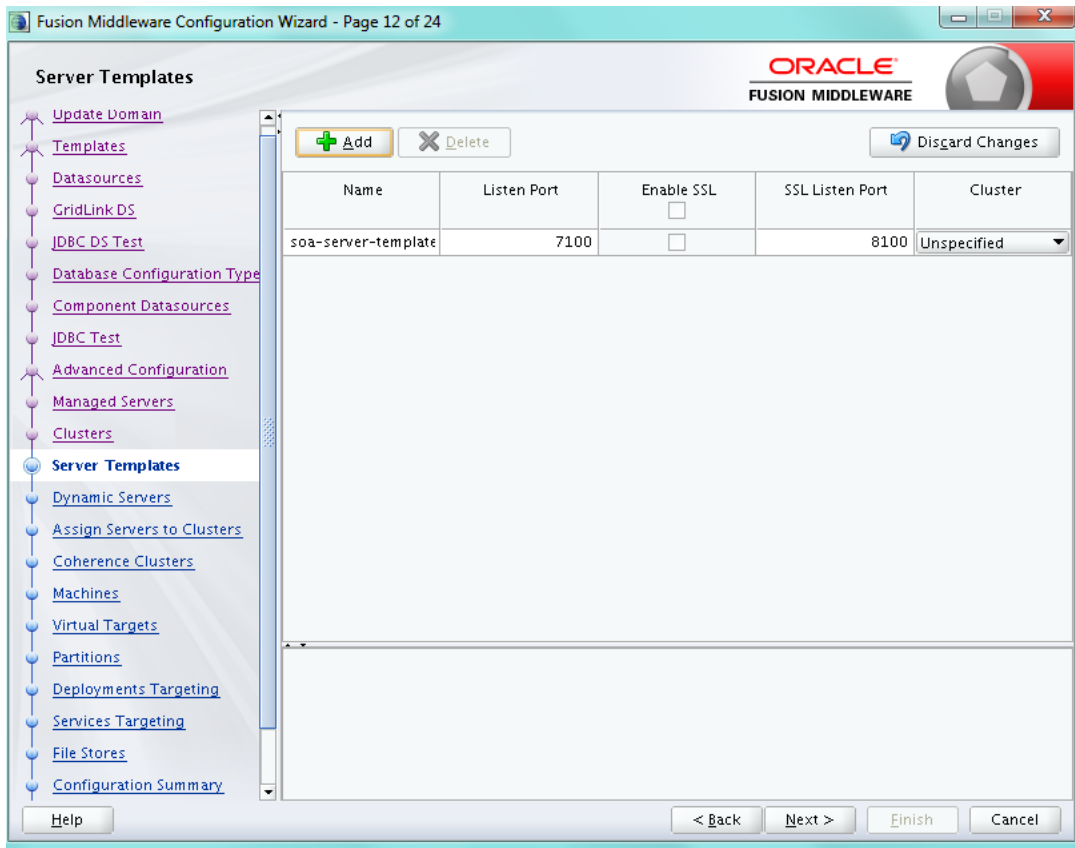


20. Click **Next**.

Figure 8–19 Clusters page

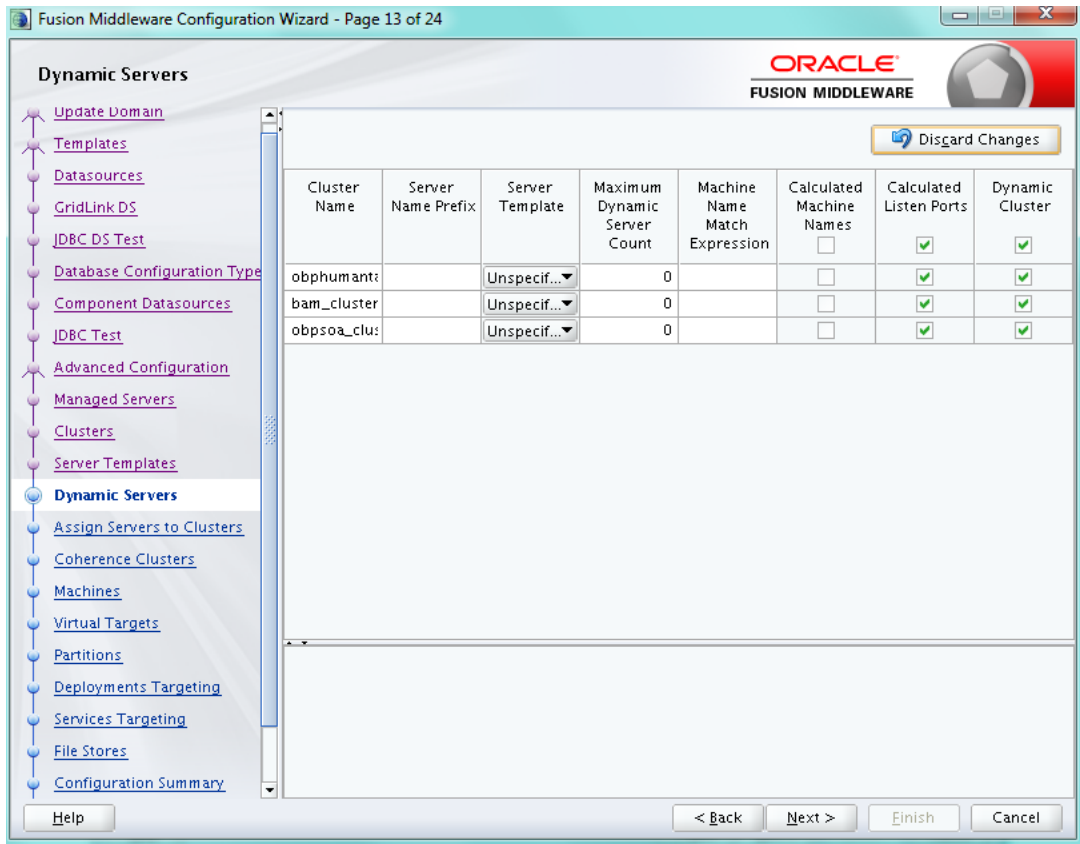


21. Click **Next**.

Figure 8–20 Server Templates page

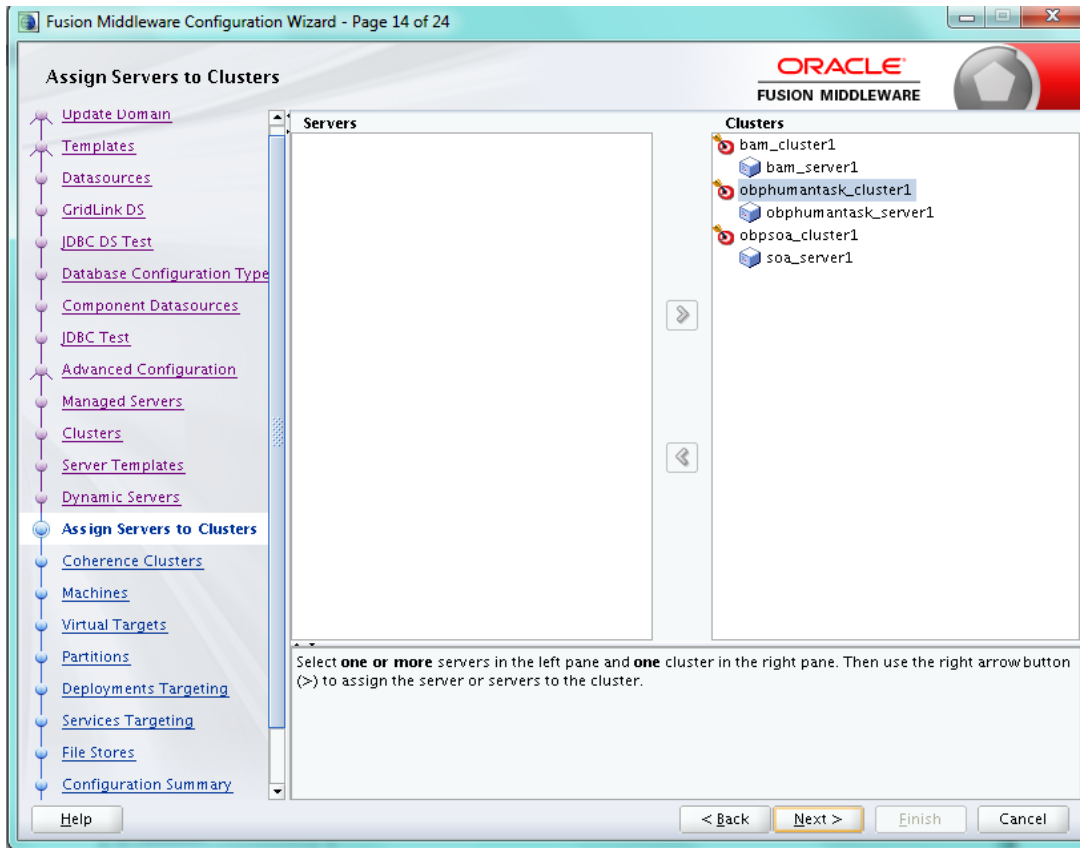
22. Click **Next**.
23. In the **Dynamic Servers** page, verify the details and then click **Next**.

Figure 8–21 Dynamic Servers page



24. In the **Assign Servers to Clusters** page, assign the BAM server to the cluster.

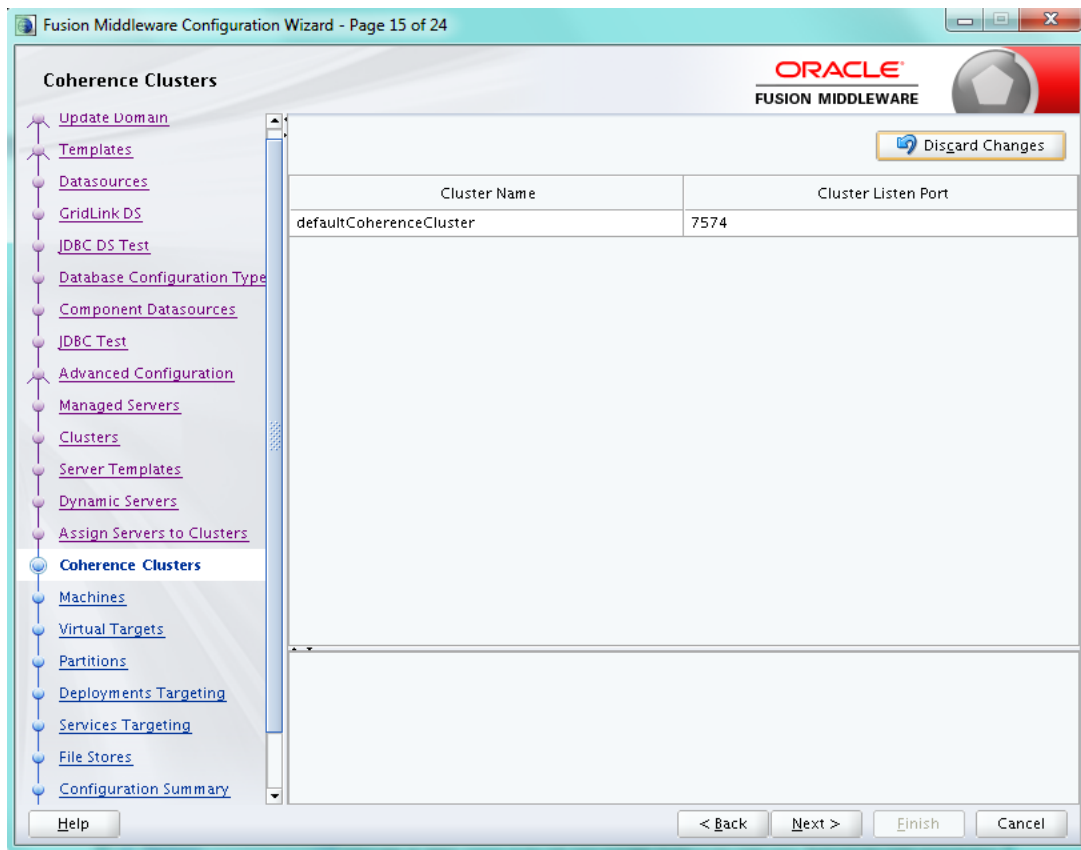
Figure 8–22 Assign Servers to Clusters page



25. Click **Next**.

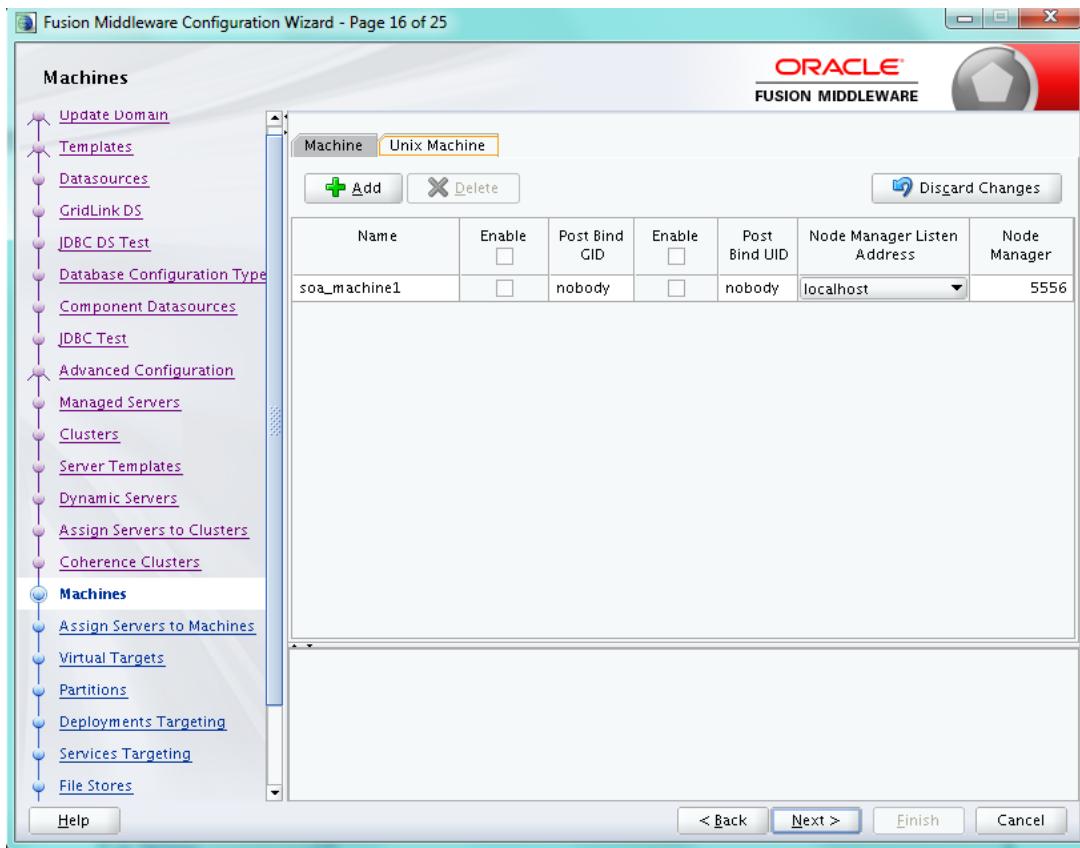
26. In the **Coherence Clusters** page, check the coherence cluster details and then click **Next**.

Figure 8–23 Coherence Clusters page



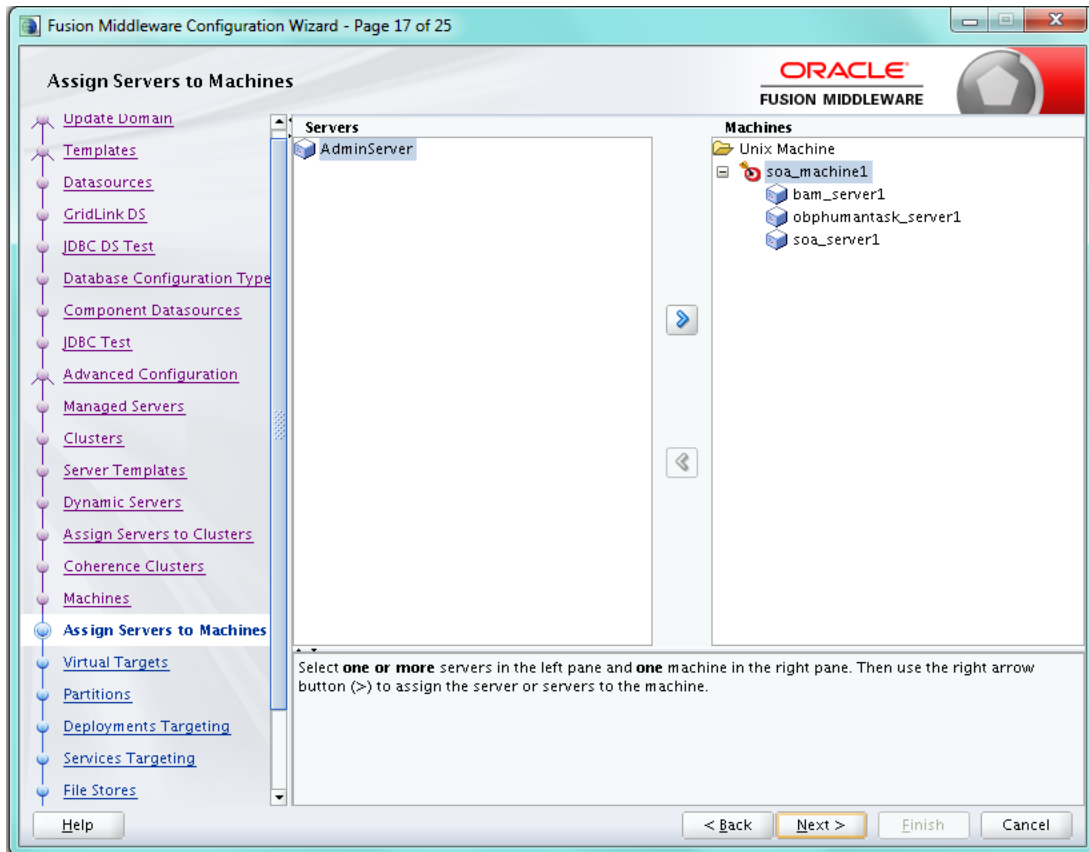
27. In the **Machines** page, click the **Unix Machine** tab and update the details.

Figure 8–24 Machines page



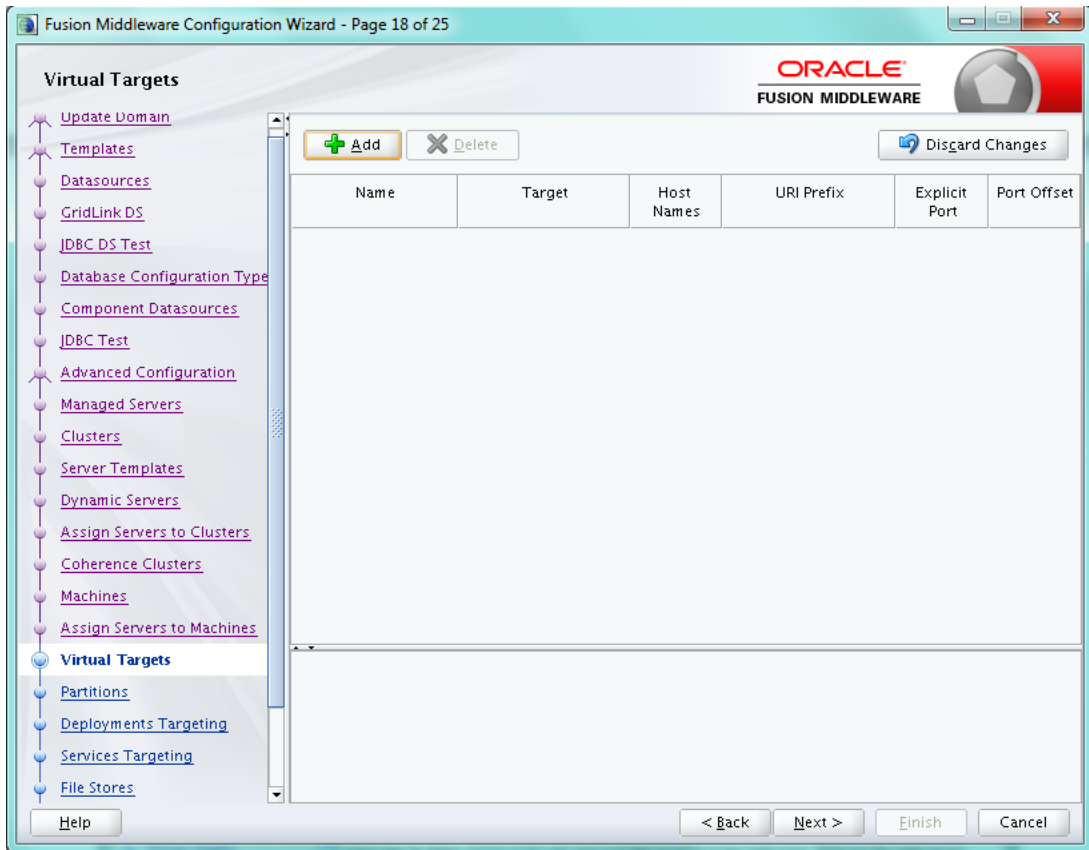
28. Click **Next**.
29. In the **Assign Servers to Machines** page, assign the BAM server to the machine.

Figure 8–25 Assign Servers to Machines page



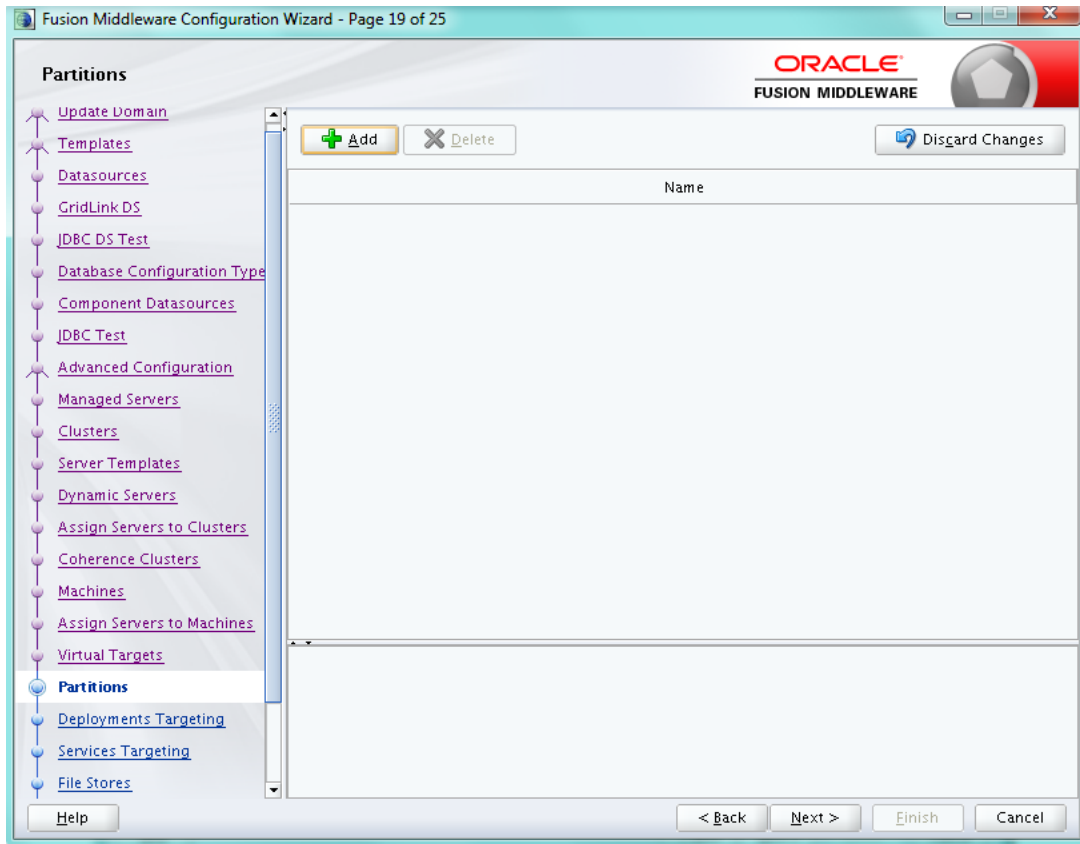
30. Click **Next**.

Figure 8–26 Virtual Targets page



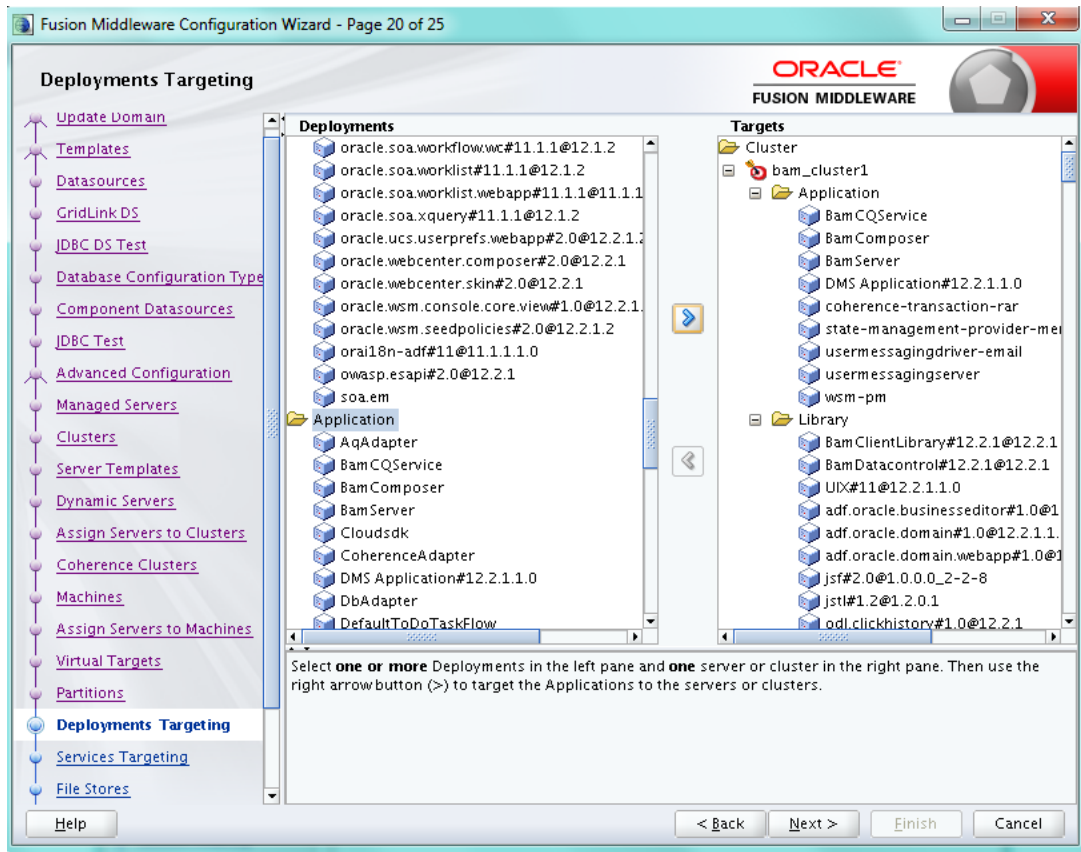
31. Click **Next**.

Figure 8–27 Partitions page



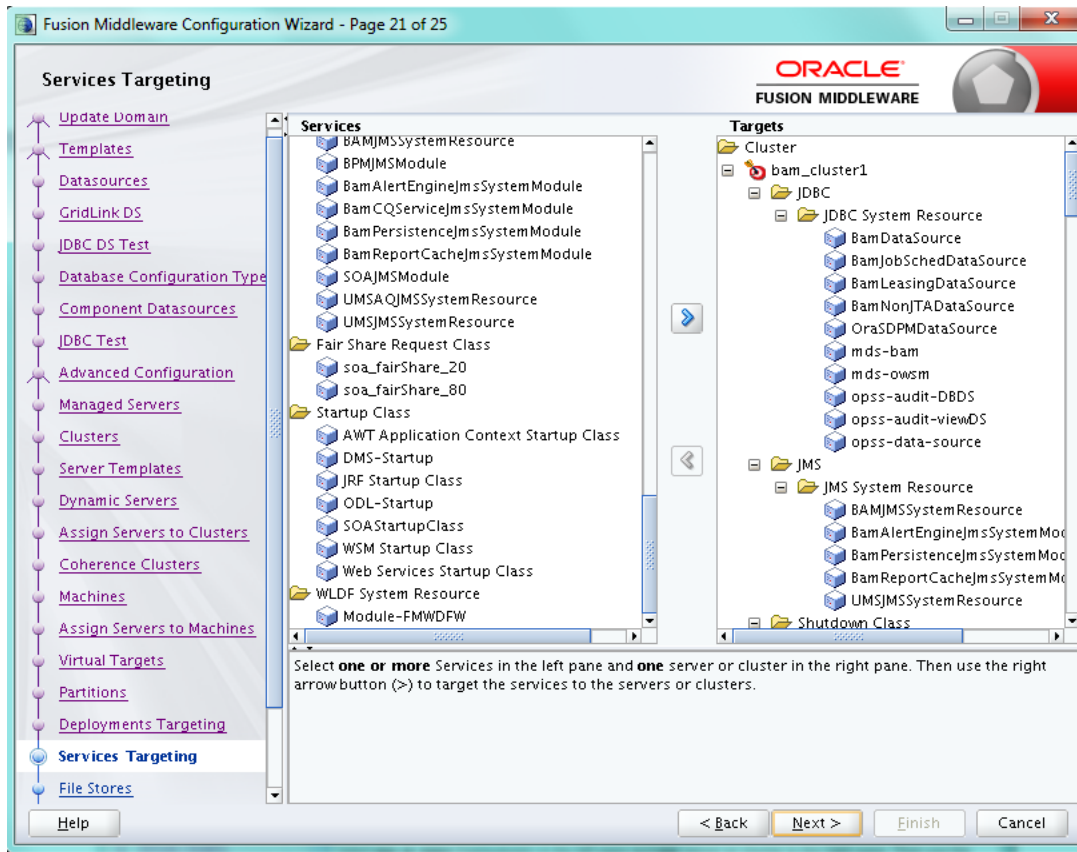
32. Click **Next**.

Figure 8–28 Deployments Targeting page



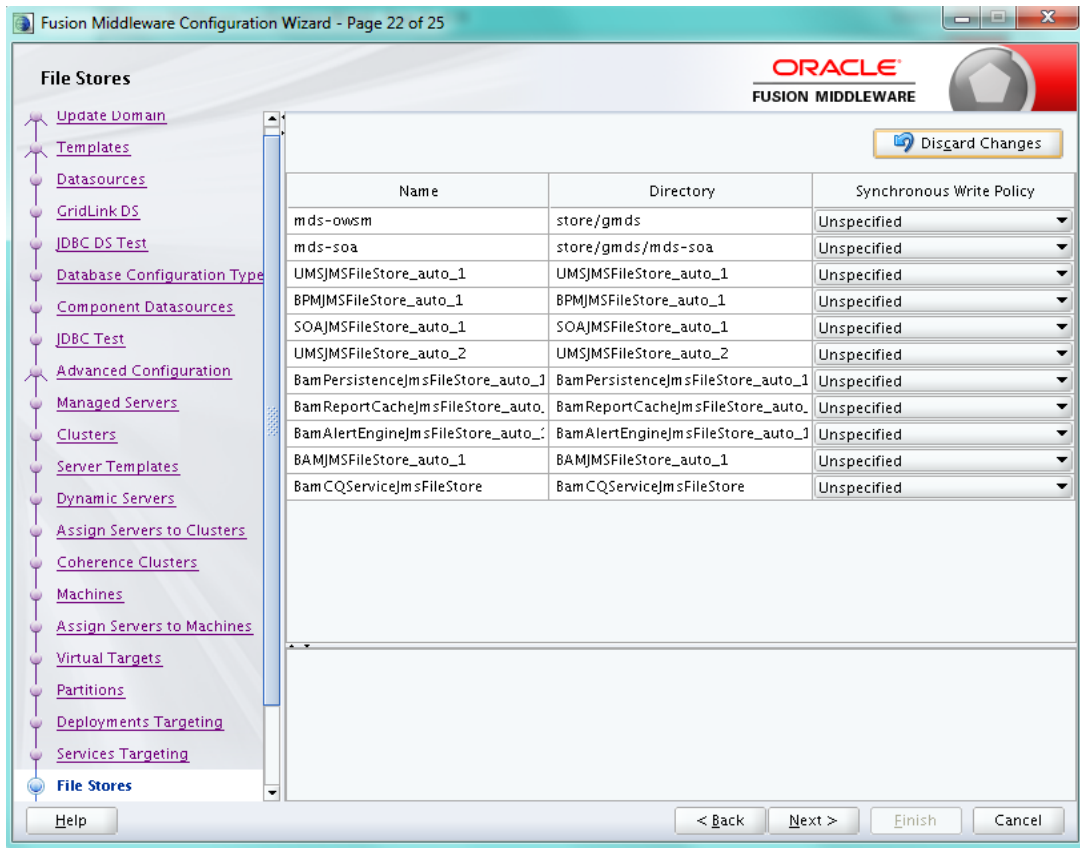
33. Click **Next**.

Figure 8–29 Services Targeting page



34. Click **Next**.

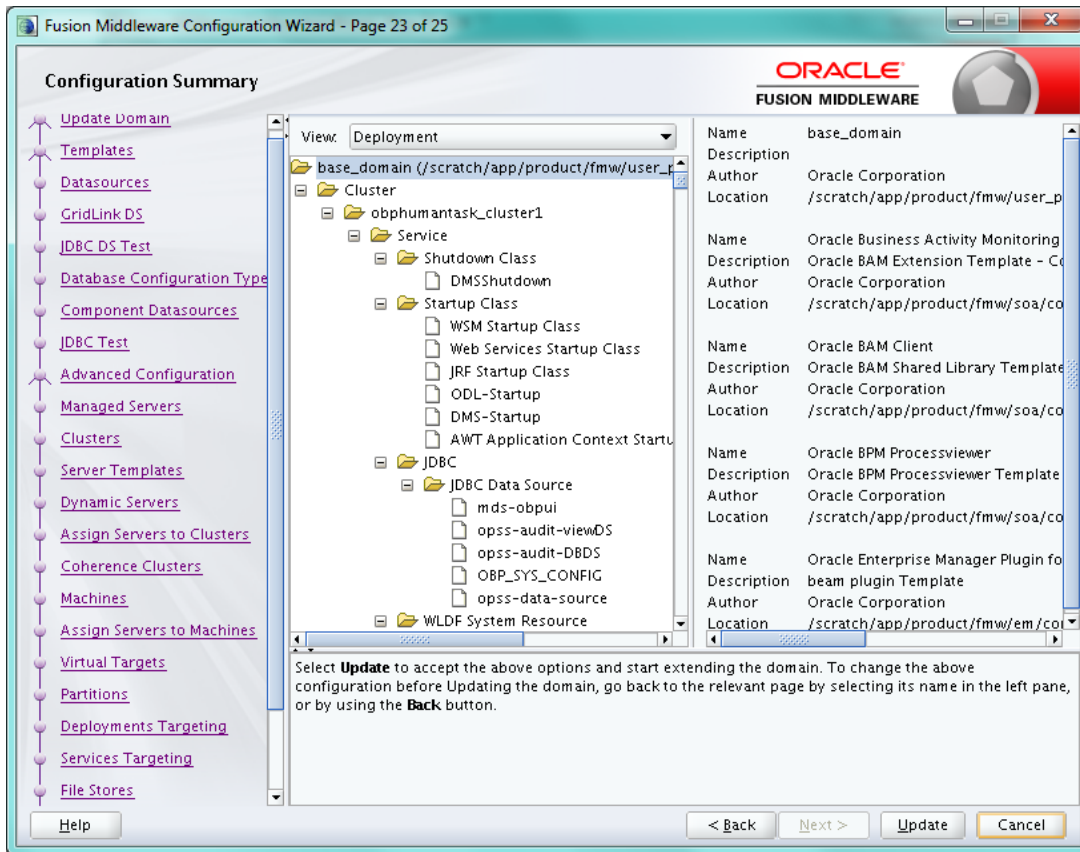
Figure 8–30 File Stores page



35. Click **Next**.

36. In the **Configuration Summary** page, check the details and then click **Update**.

Figure 8–31 Configuration Summary page



37. In the **Configuration Progress** page, once the progress bar is 100%, click **Next**.
38. In the **End of Configuration** page, click **Finish**.

Figure 8–32 Configuration Progress page

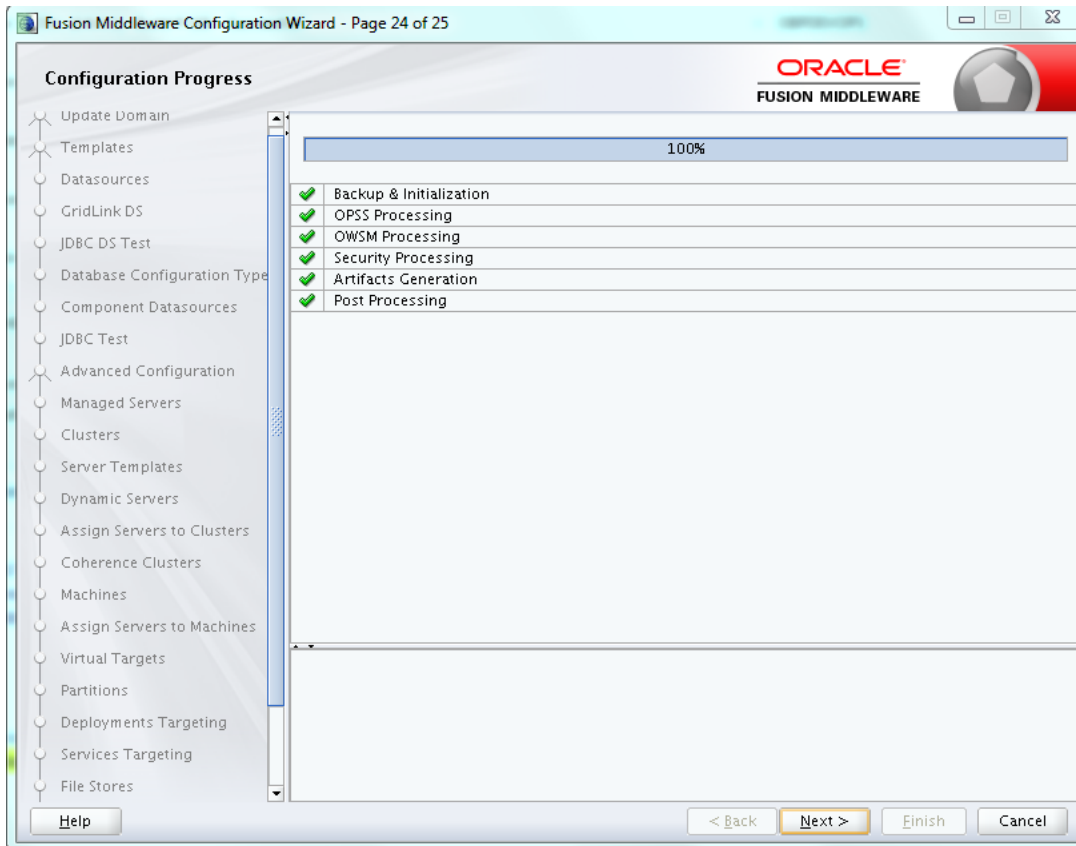
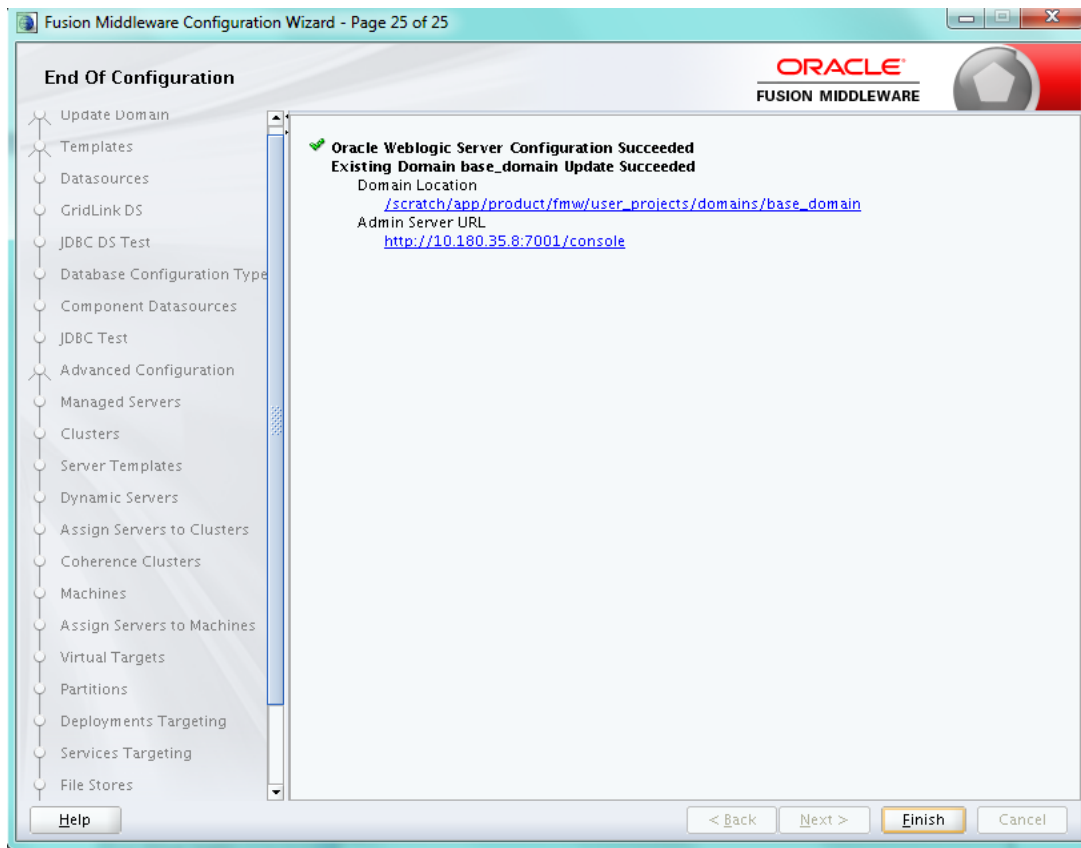


Figure 8–33 End of Configuration page



39. Once the domain is successfully updated, you need to make the following changes in the config.xml file located at <MIDDLEWARE_HOME>/user_projects/domains/base_domain/config if the target is not bam_server1.

```

<jms-server>
<name>BamCQServiceJmsServer</name>
<target>bam_server1</target>
<persistent-store>BamCQServiceJmsFileStore</persistent-store>
</jms-server>

<file-store>
<name>BamCQServiceJmsFileStore</name>
<directory>BamCQServiceJmsFileStore</directory>
<target>bam_server1</target>
</file-store>

```

8.2 Post Installation Configuration

This section describes the post installation configuration procedure for BAM using OBP SOA Media Pack.

Checklist for Post Installation Procedure

Before proceeding with the post installation, ensure the following:

1. Apply the grant on middleware home through WLST.

```
grantPermission(appStripe=None, principalClass=None,
principalName=None, codeBaseURL='file:<middleware_home>/-',
permClass='java.security.AllPermission', permTarget=None,
permActions=None)
```

Example:

```
grantPermission(appStripe=None, principalClass=None, principalName=None,
codeBaseURL='file:/scratch/app/product/fmw/-', permClass='java.security.AllPermission',
permTarget=None, permActions=None)
```

2. Start the admin server.

```
$cd <MIDDLEWARE_HOME >/user_projects/domains/domain_name/bin
$./startWeblogic.sh
```

3. Start the managed server "bam_server1".

```
$cd <MIDDLEWARE_HOME>/user_projects/domains/domain_name/bin
$./startManagedWebLogic.sh <managed server name>
t3://localhost:<admin server port>
```

Post Installation Configuration

Execute `obp-soa-post-install.sh` as done for SOA Media Pack Installation.

1. Navigate to the middleware location and give executable permission to the post install script.

```
$cd <middleware home>
```

2. Run the script by:

```
$./obp-soa-post-install.sh
```

3. Finally after `obp-soa-post-install.sh` script is run, restart the bam managed server "bam_server1".

```
$cd <MIDDLEWARE_HOME>/user_projects/domains/domain_name/bin
$./startManagedWebLogic.sh <managed server name>
t3://localhost:<admin server port>
```

4. Log in to BAM Composer `http://$IP:PORT/bam/composer/faces/login`.

Figure 8–34 BAM Composer page

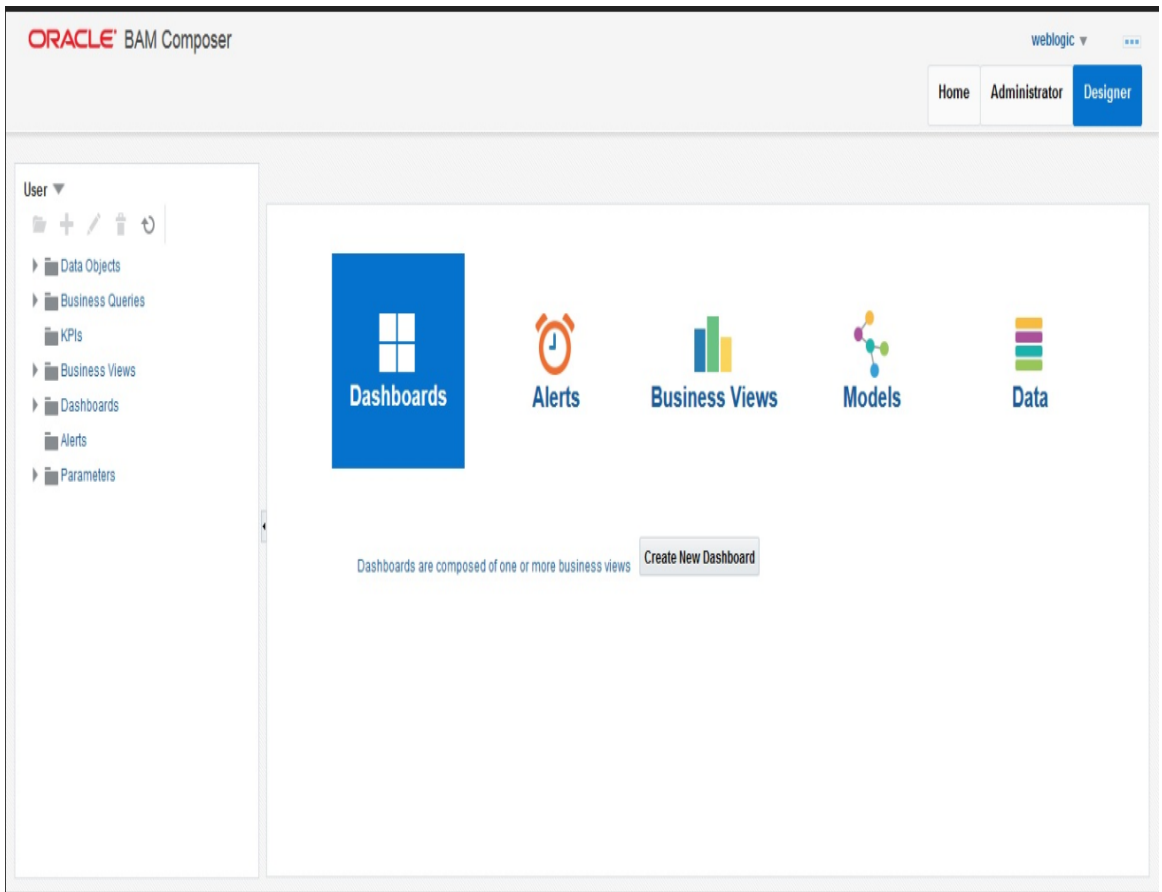


Figure 8–35 BAM Composer page (contd)

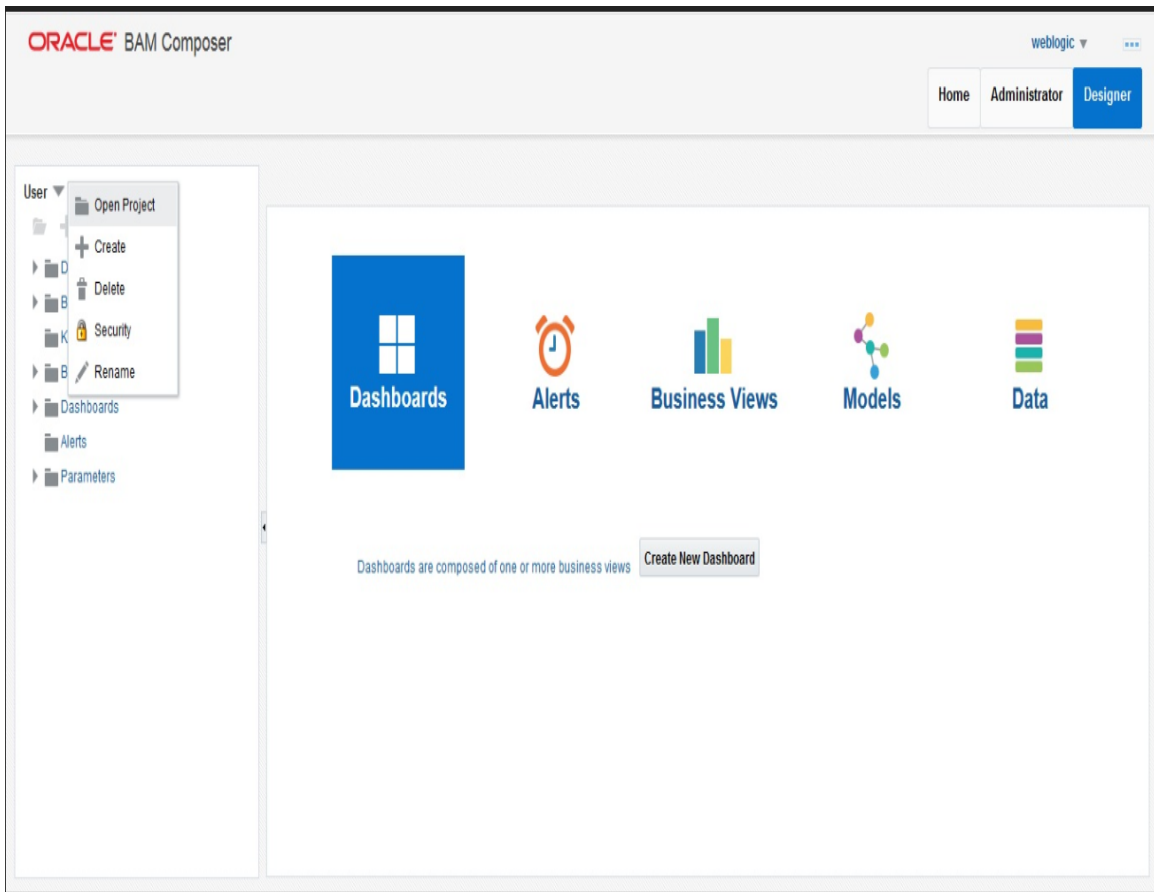
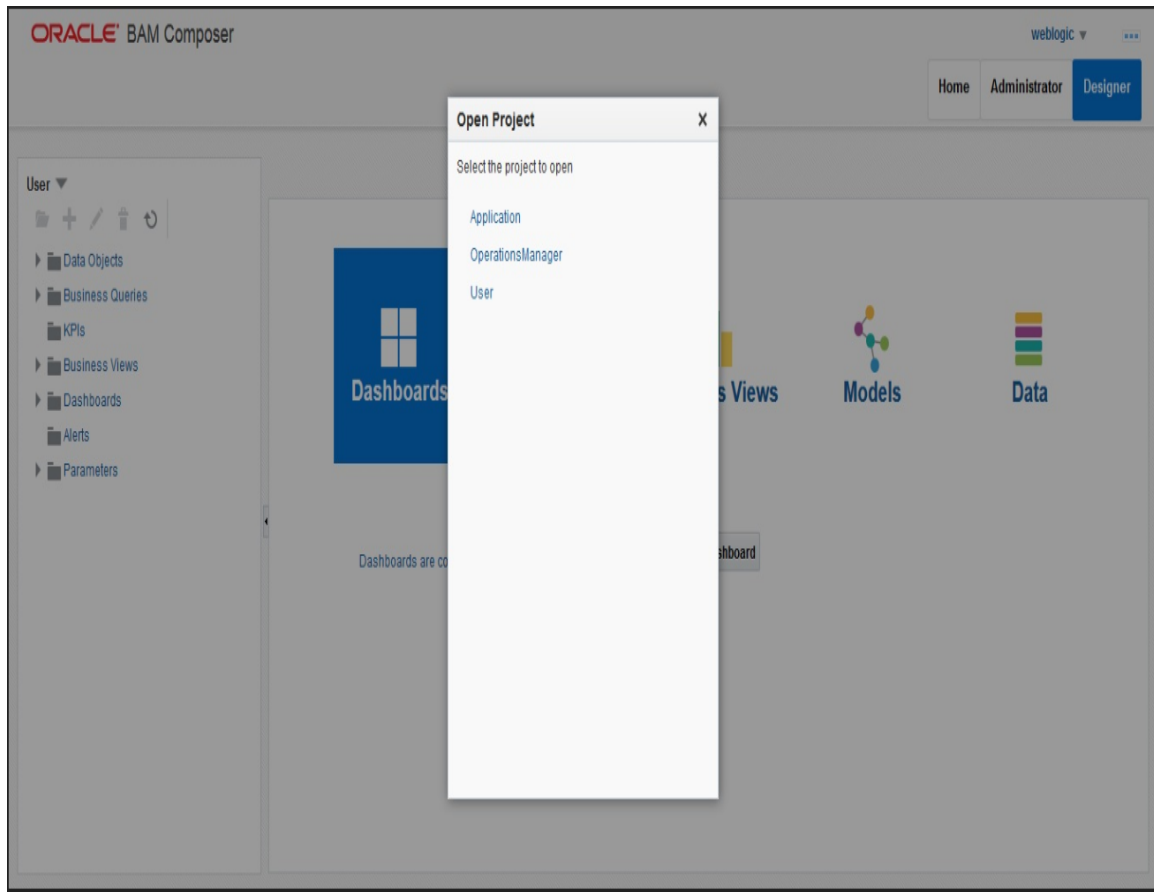


Figure 8–36 BAM Composer page

9 Standalone Database Setup

This chapter details the steps involved in Oracle Banking Platform Database which are primarily concerned with importing an existing database dump of the QA database.

Note

In case the Oracle Banking Platform database is manually created and seeded, then you need to skip this during `installobp.sh` by clicking **Cancel** which causes the script to skip this step and proceed with the rest of the installation workflow.

9.1 Pre-Installation Steps

The following steps should be completed prior to the process of executing the installation steps for the Oracle Banking Platform DB mentioned in [Section 9.2 Oracle Banking Platform Database Setup – RCU Installation](#):

1. Oracle Database Enterprise Edition 12.1.0.2.0 must be installed on the database server.
2. Obtain the tar file `dbscripts.tar.gz` from OBP Host media pack (`dbscripts.tar.gz` is present in `host.zip`) and copy it onto the database server.
3. Ensure that the ONS service is started after DB installation where the OBP Application schema needs to be created.

9.2 Oracle Banking Platform Database Setup – RCU Installation

The steps that should be performed to create the OBP Host DB schema are provided in [Section 9.3 Host DB Schema Creation and Verification](#)

For other RCU schemas, while installing software on HOST, UI, and SOA, specific RCU should execute to create schemas for SOA, UI, and HOST.

RCU utility is present under `<MW_HOME/oracle_common/bin>` for respective components.

Following is the list of schemas to be created for SOA, UI, and HOST, respectively (please note, SOA, UI and HOST are the prefix in below schemas which is given during schema creation).

- SOA_SOAINFRA
- SOA_MDS
- SOA_STB
- SOA_UMS
- SOA_OPSS
- SOA_IAU_APPEND
- SOA_IAU_VIEWER

- UI_STB
 - UI_OPSS
 - UI_MDS
 - UI_IAU_APPEND
 - UI_IAU_VIEWER
-
- HOST_STB
 - HOST_OPSS
 - HOST_IAU_APPEND
 - HOST_IAU_VIEWER
 - HOST_MDS

UI_MDS and UI_STB schemas are used by UI component.

HOST_MDS and HOST_STB schemas are used by HOST component.

SOA_SOAINFRA, SOA_STB, SOA_MDS and SOA_UMS schemas are used by SOA component.

UI_OPSS and HOST_OPSS schemas are used for silent domain creation in pre installation by UI and HOST respectively.

SOA_OPSS, SOA_IAU_APPEND and SOA_IAU_VIEWER schemas are shared by HOST and UI also pointed during post installation of HOST and UI.

Increase the size of tablespace (at least 6GB and should be in auto extend mode on) for SOA_MDS, SOAINFRA and OPSS schema used for SOA domain creation.

Figure 9–1 Host DB Schema Setup Confirmation

```

root@IFLMUDSIM00385:/opt/oracle/fmw/sudip_MW_11.1.1.6/mediapack_silent/host
ATMUSER_OUTBOUND_USERNAME : atmuserweblogic
ATMUSER_OUTBOUND_PASSWORD : weblogic1
POSUSER_OUTBOUND_USERNAME : posuserweblogic
POSUSER_OUTBOUND_PASSWORD : weblogic1
DMSHOST_OUTBOUND_USERNAME : dmshostweblogic
DMSHOST_OUTBOUND_PASSWORD : weblogic1
DMSUI_OUTBOUND_USERNAME : dmsuiweblogic
DMSUI_OUTBOUND_PASSWORD : weblogic1
KEYSTORE_PASSWORD : welcome1
UCM_READ_FROM_URL : true
UCM_IP : ofss.ucm.com
UCM_PORT : 4444

Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
y
Installation will begin in sometime.
Please wait while the installables are copied onto the servers.

#####
This computer including any devices attached to this computer and the
information systems accessed from this point contain information that is
confidential.

Your activities and use of these facilities are monitored.
Your use of (and related activities in connection with) these facilities is
recorded and may be reviewed at any time.

For Support You may Contact,
InfraStructure Team
#####
oracle@10.180.25.15's password:
obpininstall-host.zip                                100% 743MB  11.3MB/s  01:06
obppostinstallhost.properties                       100% 3090  3.0KB/s   00:00
installobhostsilent.properties                      100% 714  0.7KB/s   00:00

#####
This computer including any devices attached to this computer and the
information systems accessed from this point contain information that is
confidential.

Your activities and use of these facilities are monitored.
Your use of (and related activities in connection with) these facilities is
recorded and may be reviewed at any time.

For Support You may Contact,
InfraStructure Team
#####
oracle@10.180.25.15's password:
Archive:  /oracle/app/product/fmw/target/obpininstall-host.zip
  inflating: /oracle/app/product/fmw/target/obpininstall.tar.gz
  inflating: /oracle/app/product/fmw/target/obprcu.tar.gz
  inflating: /oracle/app/product/fmw/target/installrcu.sh
  inflating: /oracle/app/product/fmw/target/installdomain.sh
  extracting: /oracle/app/product/fmw/target/ldit.zip
Finished copying the installables to the target server.
Press Y or y to proceed for host db seeding, else press any other key to skip it.

```

9.3 Host DB Schema Creation and Verification

For the host db schema creation, copy the dbscripts.tar.gz file from OBP Host media pack (dbscripts.tar.gz is present in host.zip) location to any machine where 'sqlplus' is available.

Untar dbscripts.tar.gz file which contains createobp.sql, ddl and seed file and folders. (TNS entry of the host db may be required in that machine to enable connectivity from the machine to the host db server.)

In createobp.sql, Replace &&1,&&2 and &&3 with schema, password, and tablespace name.

Before executing createobp.sql, make sure tablespace is created in the database.

The createobp.sql will create application schema with required database grants.

createobp.sql execution

```
PROMPT> sqlplus sys/password@TNSEntryOfDB as sysdba @createobp.sql
```

9.4 HOST DB schema ddl execution

Now open command prompt and navigate inside "ddl" folder in the machine where it has been copied. Then run the following using the actual details of host db schema while was created.

Connect to application schema (which is created using createobp.sql) using sqlplus


```
PROMPT> sqlplus schemauser/password@TNSEntryOfDB @ddl/SCHEMA_
DDL.sql
```

The example assumes that the seed is being executed from “D:\ORACLE” folder of a Windows machine having sqlplus console available for execution of sql commands and scripts.

```
C:> D:
C:> cd D:\ORACLE
D:\ > sqlplus DEV_OBP/welcome1@OBPDB
D:\ >@ddl/SCHEMA_DDL.sql
```

The following verification steps can be executed to check that the Database setup is complete:

1. Verify that the new tablespace is created.
2. Logon to the database with user id created.
3. Execute the query “select * from tab;” on the sql prompt to verify that the OBP tables are present.

9.5 HOST DB Schema Seeding

This section provides information on the Host Database Schema Seeding. The procedure is as follows:

Now open command prompt and navigate inside the 'seed' folder in the machine where it has been copied. Run the following commands using the actual details of host db schema which was created.

```
PROMPT> sqlplus schemauser/password@TNSEntryOfDB @seed.sql
```

For example, assume that the seed is being executed from 'D:\seed' folder of a Windows machine having sqlplus console available for execution of sql commands and scripts.

```
C:> D:
C:> cd D:\seed
D:\seed > sqlplus DEV_OBP/welcome1@OBPDB
D:\seed >@seed.sql
```

It will take some time to completely execute all the seed scripts. It will ask for some inputs at the time of seeding, just press Enter to continue. When OBP DB seeding is completed, the control will return to the sql prompt.

Note

If you are going to install localization on top of product, DO NOT execute ddl and seed of product, execute ddl and seed which are present under localization host mediapack in form of dbscripts_au.tar.gz and dbScripts_us.tar.gz.

9.6 System Configuration DB Update Script Execution

After the host db schema has been created successfully, copy the 'updateSystemDetails.sql' file from 'HOST_MW_HOME' location to any machine where 'sqlplus' is available. (TNS entry of the host db may be required in that machine to enable connectivity from the machine to the host db server).

Now, open command prompt and navigate 'updateSystemDetails.sql' file in the local machine where it has been copied. Then run the following using the actual details of host db schema which was created.

```
PROMPT> sqlplus schemauser/password@TNSEntryOfDB @
updateSystemDetails.sql
```

For example, assume that the seed is being executed from 'D:\script' folder of a Windows machine having sqlplus console available for execution of sql commands and scripts.

```
C:> D:
C:> cd D:\script
D:\seed > sqlplus DEV_OBP@welcome1@OBPDDB
D:\seed > @updateSystemDetails.sql
```

9.7 Database Table Partitioning

For Database Table Partitioning, execute the scripts present in Table_Partitioning.zip present in host.zip. Execute the script in sequence and follow the guidelines mentioned in the script.

1. OBP_PARTITION_TABLE.sql
2. OBP_PARTITION_TABLE_SEED.sql
3. APPLY_PARTITION.sql

10 Oracle Banking Platform and IPM Integration

This chapter details the steps involved in the integration of Oracle Banking Platform and Oracle Imaging and Process Management (IPM).

OBP integrates natively with Oracle IPM as the content management solution. Configuration information relevant from an OBP point of view is provided in the following sections:

- [Section 10.1 IPM Application Setup for OBP Content Management](#)
- [Section 10.2 IPM Configuration for Bulk Upload Process Setup](#)
- [Section 10.3 IPM Report Upload Setup](#)

The steps listed therein should be followed to configure IPM to facilitate it to integrate with OBP. However, you can see the administration guide for Oracle IPM for details on how to manage connections, inputs and applications in IPM.

10.1 IPM Application Setup for OBP Content Management

This is a mandatory configuration required on IPM to enable integration of OBP with IPM for content management.

The following properties from the checklist should be used for creating connection profiles in the Manage Connections section. These connection profiles will be used while creating the applications on the next section on Manage Applications.

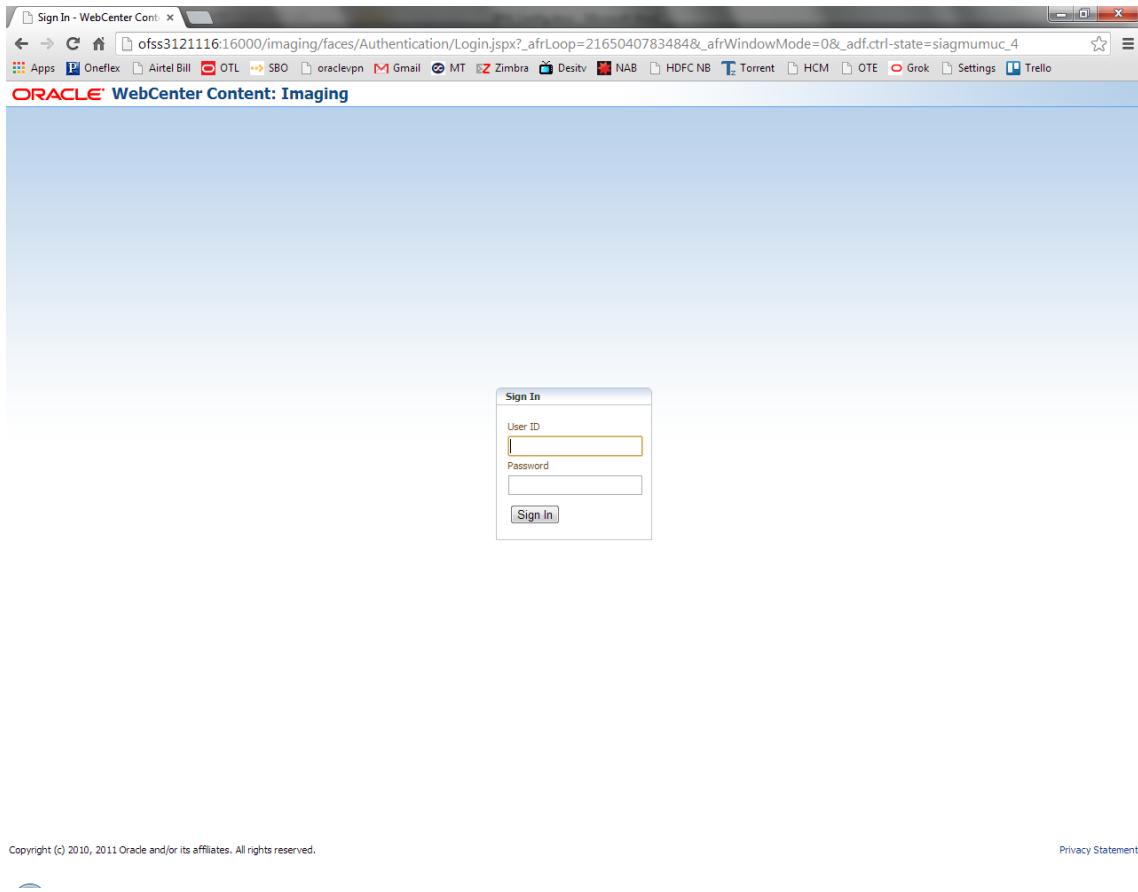
10.1.1 UCM Connection

The UCM connection is used to point to the underlying UCM Server where the documents are stored.

1. Log in to IPM imaging console through a URL such as follows:

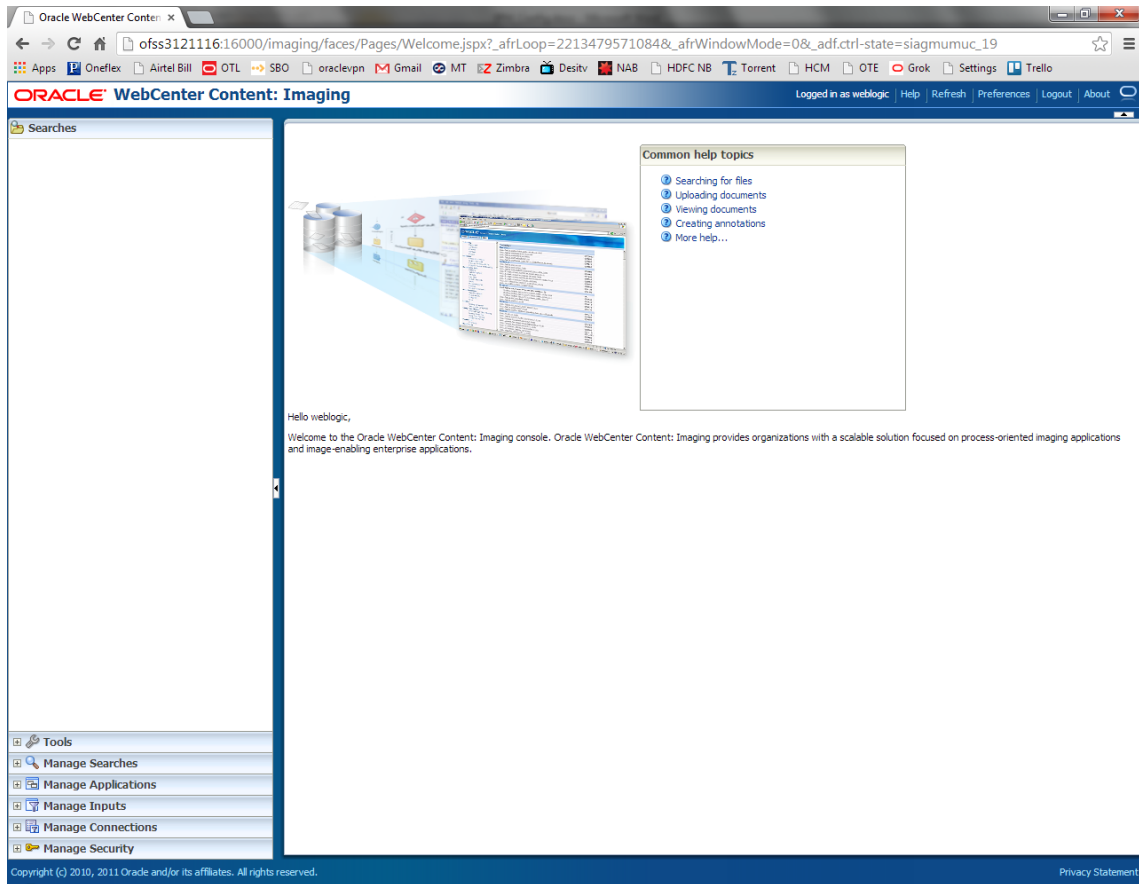
`http:// hostname: 16000/imaging`

Figure 10–1 IPM Imaging Console - Login page



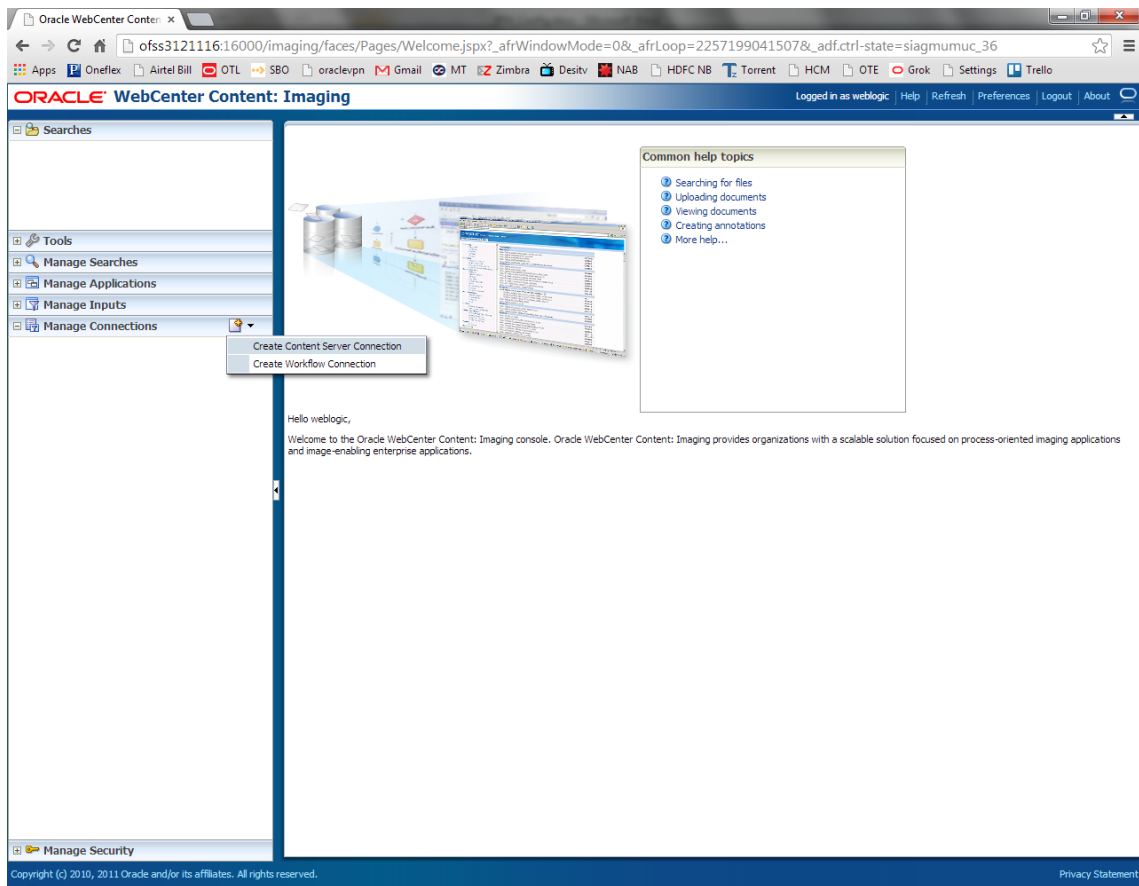
2. Enter the username and password set during IPM installation.

Figure 10–2 IPM - Welcome page



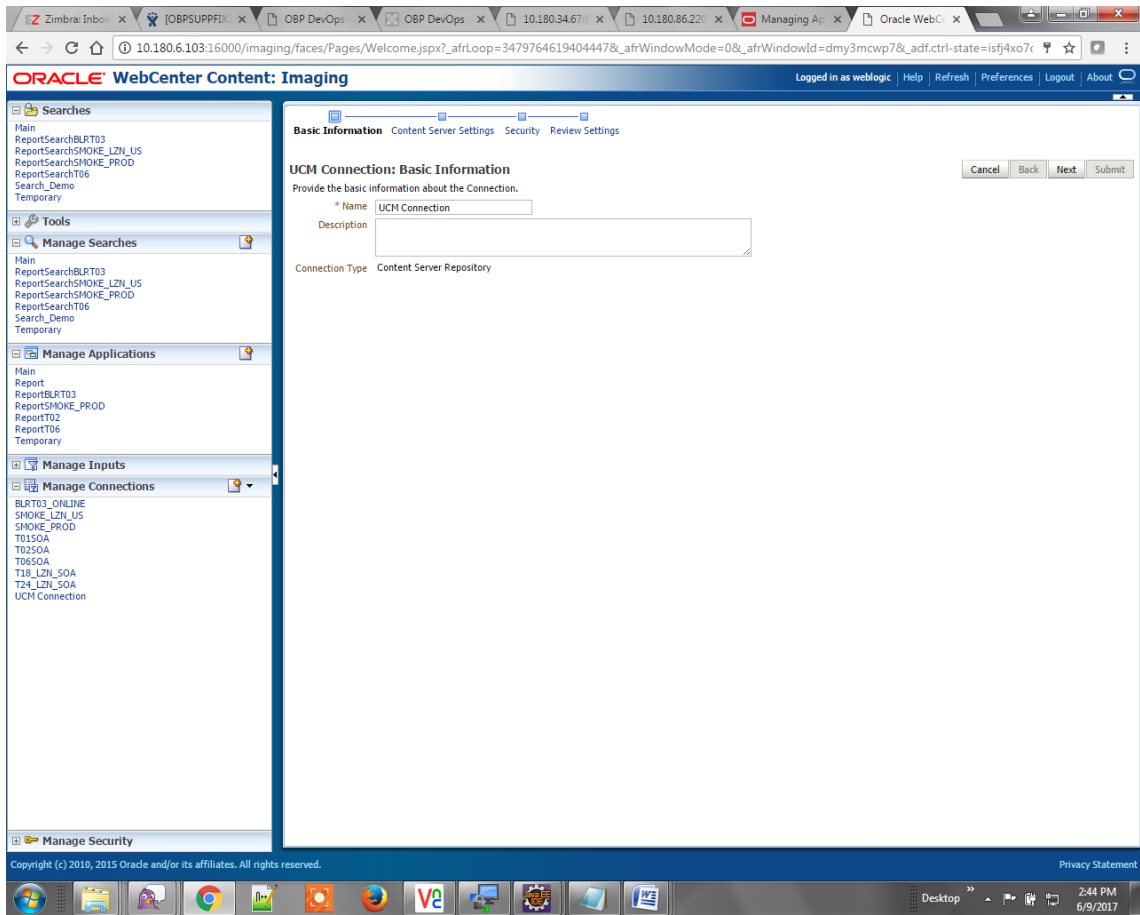
3. Navigate to Manage Connection --> Create Content Server Connection.

Figure 10–3 Create Content Server Connection



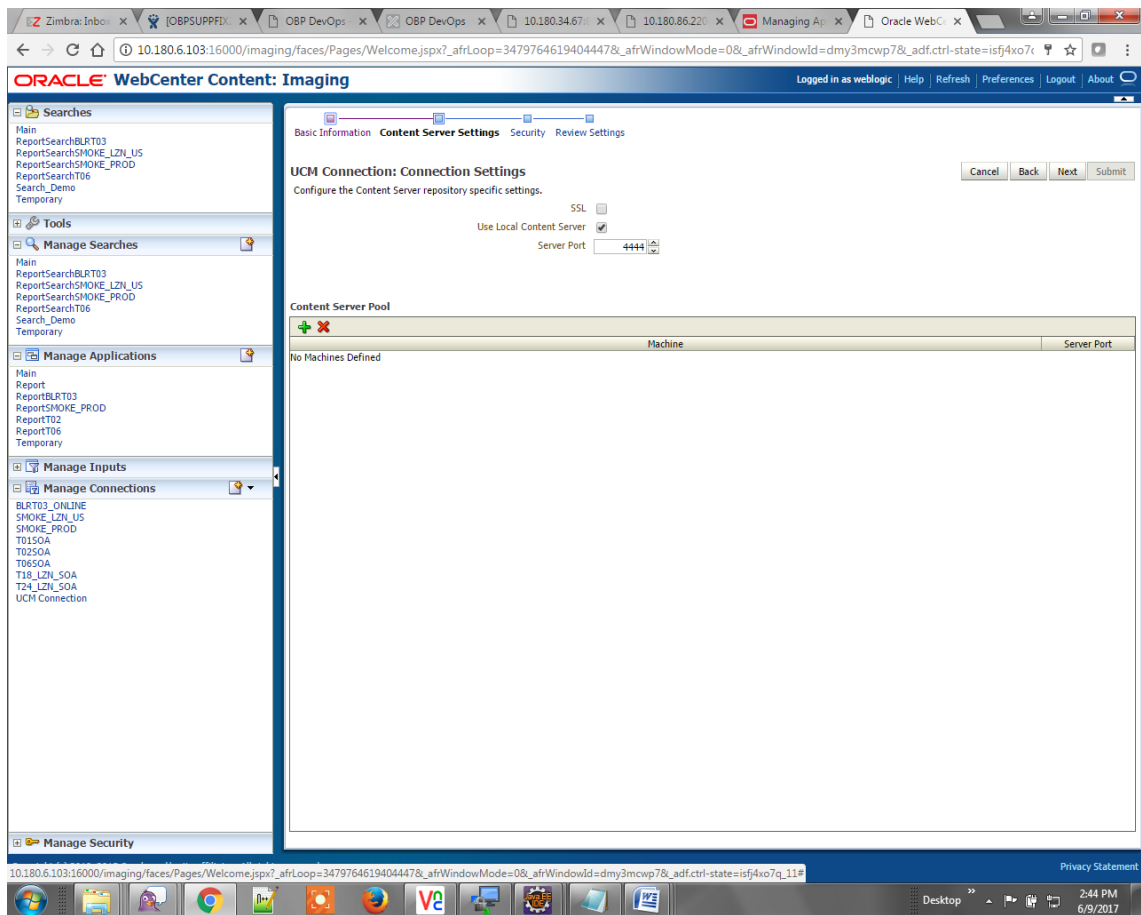
4. Enter the name and description of UCM Connection.

Figure 10–4 UCM: Basic information



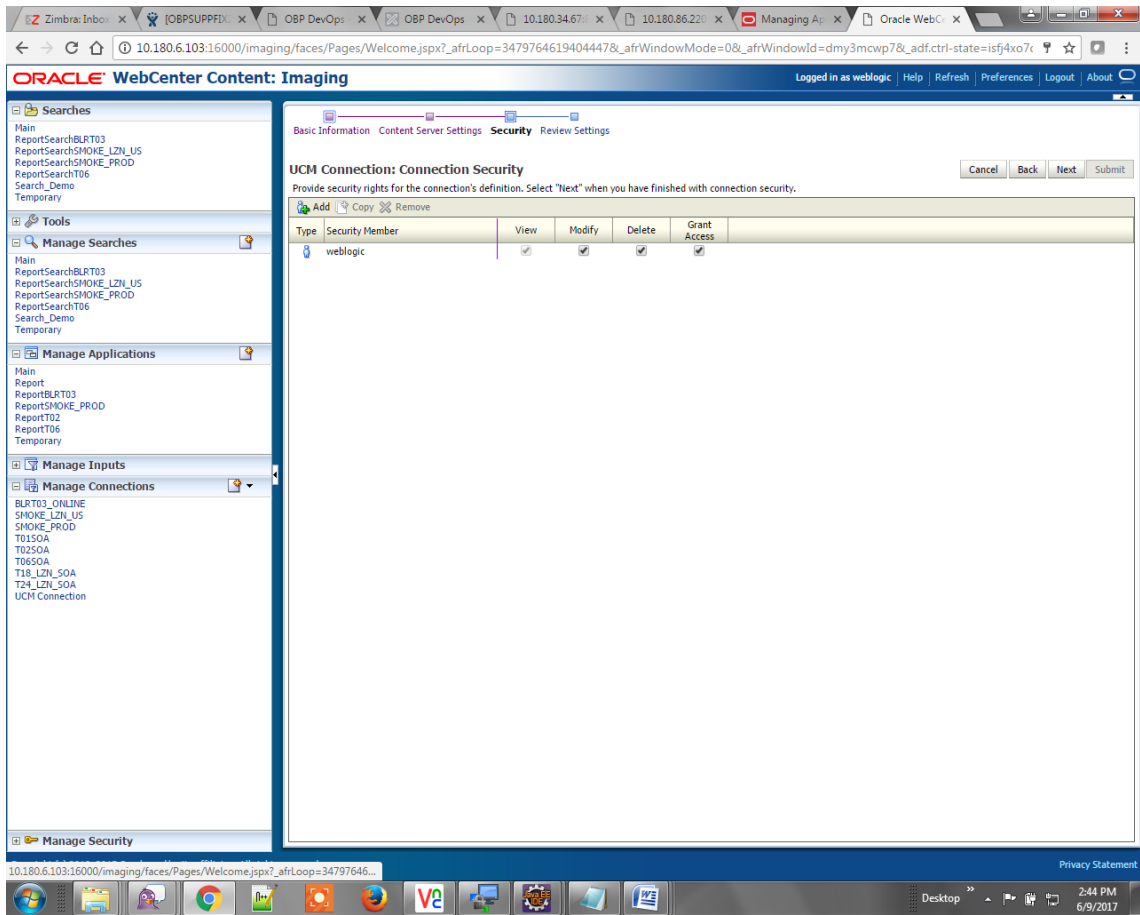
5. Provide the connection settings for the content server.

Figure 10–5 UCM: Connection Settings



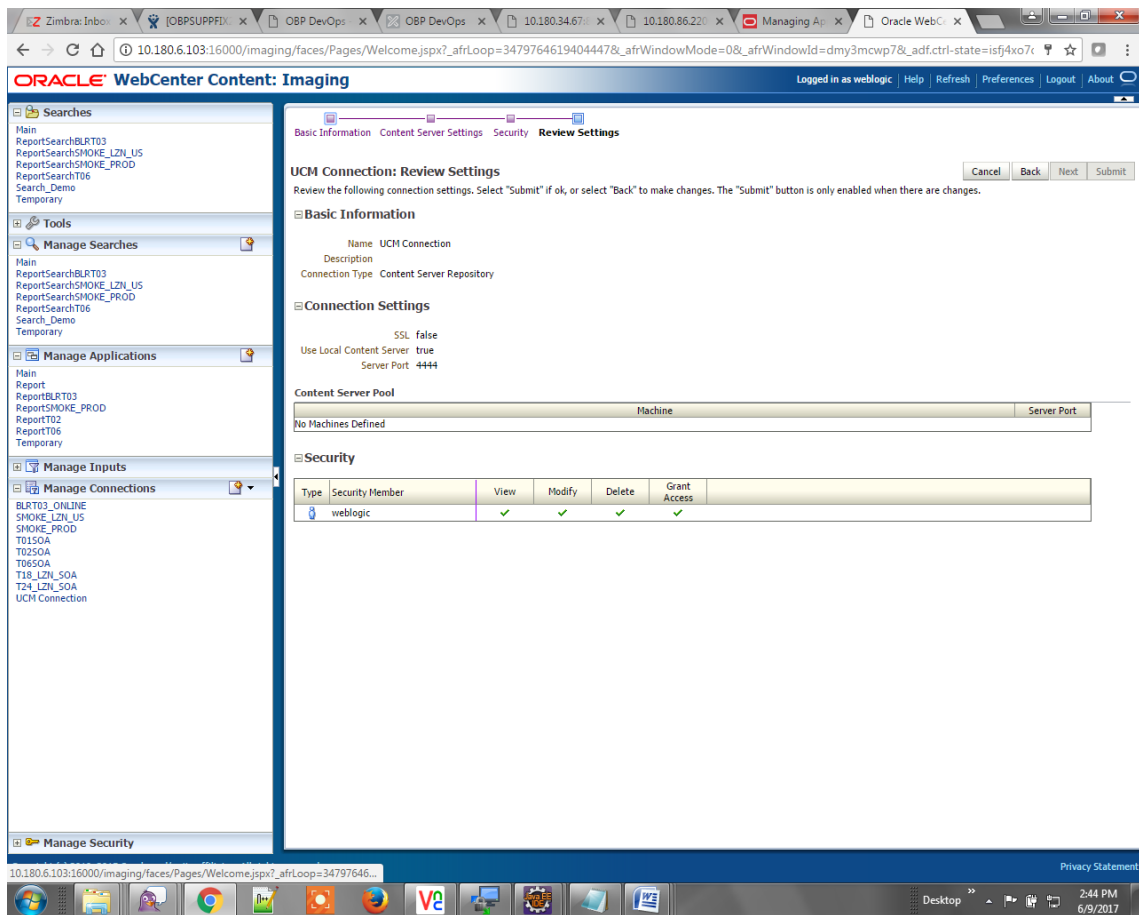
6. Configure the security rights for the connection as shown below.

Figure 10–6 UCM: Connection Security



7. Review the settings and click **Submit**.

Figure 10–7 UCM: Review Settings



10.1.2 Main Application Configuration

The documentation for Oracle IPM should be referred to for details on how to create applications in IPM. For more information, see https://docs.oracle.com/cd/E14571_01/admin.1111/e12782/c04_applications.htm#IPMAD159.

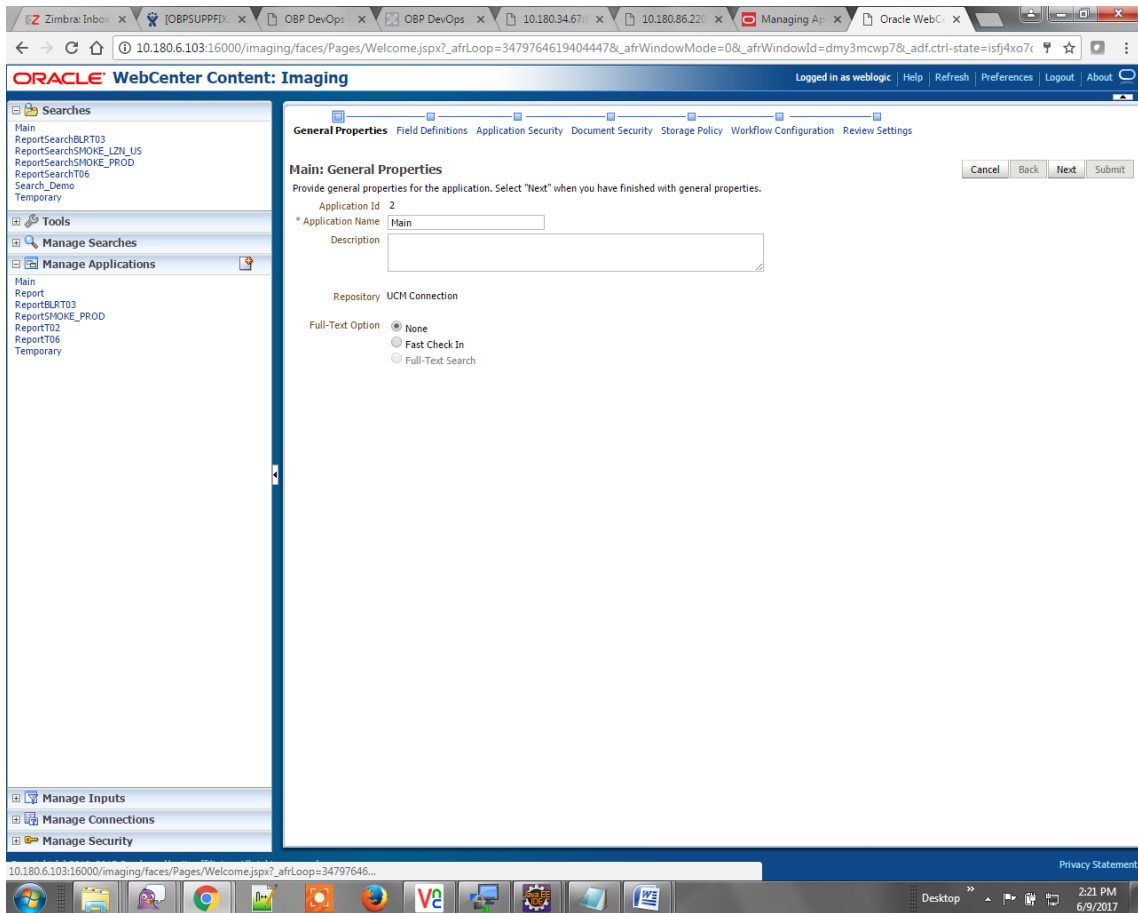
Create a main application and a temporary application in IPM.

10.1.2.1 Manage Application Configuration

To manage application configuration:

1. Select Create New Application option.
2. Enter the general properties and click **Next**.

Figure 10–8 Main: General Properties



3. Enter the field definition details and click **Next**.

Figure 10–9 Main: Field Definitions

Oracle WebCenter Content: Imaging | Logged in as weblogic | Help | Refresh | Preferences | Logout | About

General Properties | **Field Definitions** | Application Security | Document Security | Storage Policy | Workflow Configuration | Review Settings

Main: Field Definitions | Cancel | Back | Next | Submit

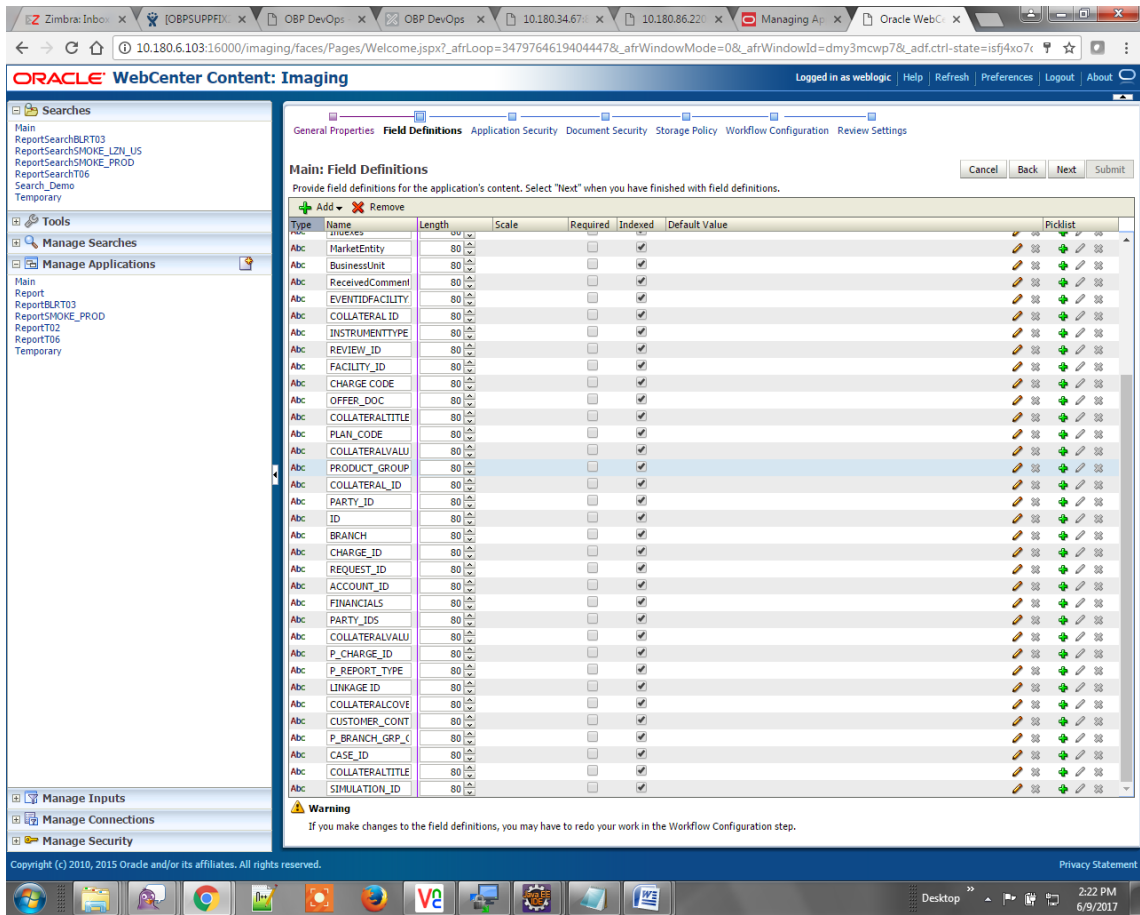
Provide field definitions for the application's content. Select "Next" when you have finished with field definitions.

Type	Name	Length	Scale	Required	Indexed	Default Value	Picklist
Abc	Document Type	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	Customer Id	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	Document ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	Document Descrip	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	SUBMISSION	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	APPLICATION	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	COLLATERAL	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	PARTY	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	FACILITY	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	PRODUCT_GROUP	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	Indexes	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	MarketEntity	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	BusinessUnit	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	ReceivedComment	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	EVENTIDFACILITY	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	COLLATERAL ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	INSTRUMENTTYPE	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	REVIEW_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	FACILITY_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	CHARGE CODE	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	OFFER_DOC	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	COLLATERALTITLE	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	PLAN_CODE	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	COLLATERALVALU	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	PRODUCT_GROUP	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	COLLATERAL_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	PARTY_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	BRANCH	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	CHARGE_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	REQUEST_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	ACCOUNT_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	FINANCIALS	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Warning
If you make changes to the field definitions, you may have to redo your work in the Workflow Configuration step.

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Figure 10–10 Field Definitions (cont.)



- In Application Security and Document Security pages, select the access rights for users and click **Next**.

Figure 10–11 Main: Application Security

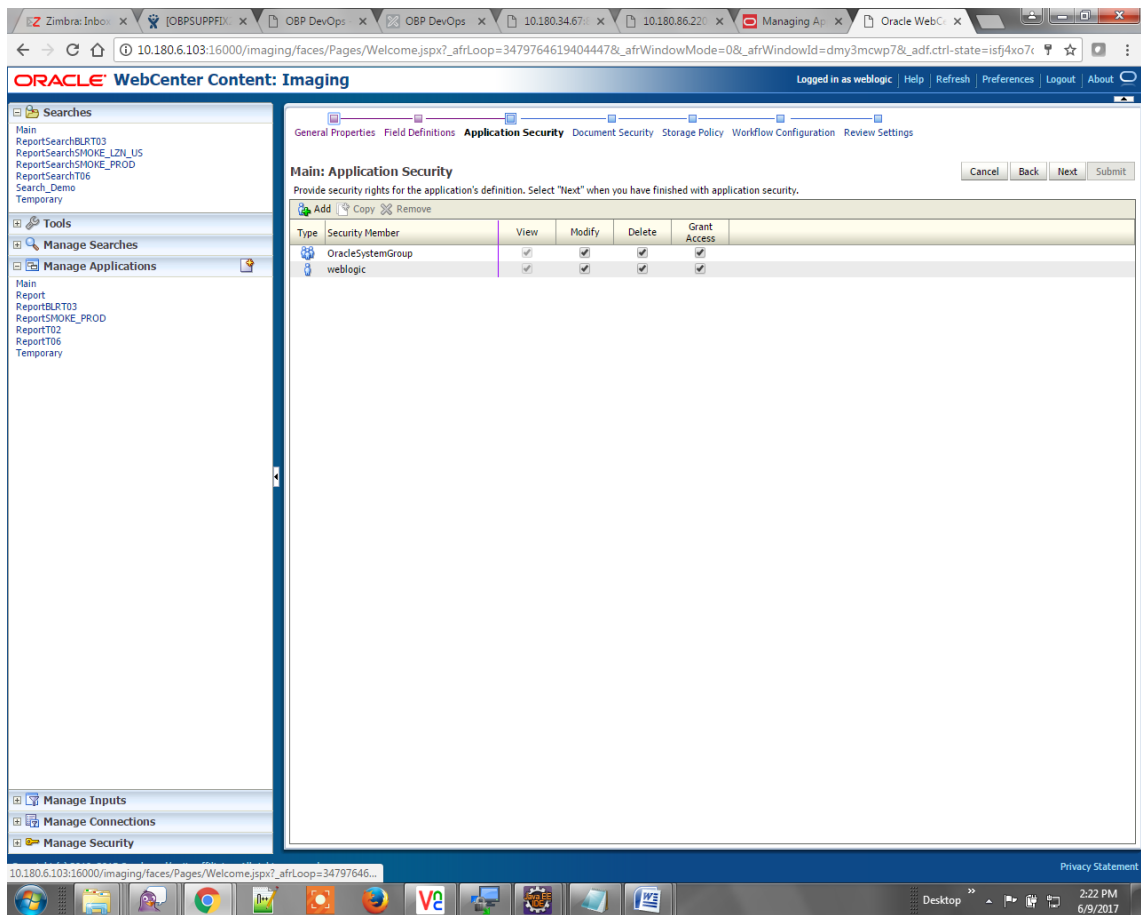
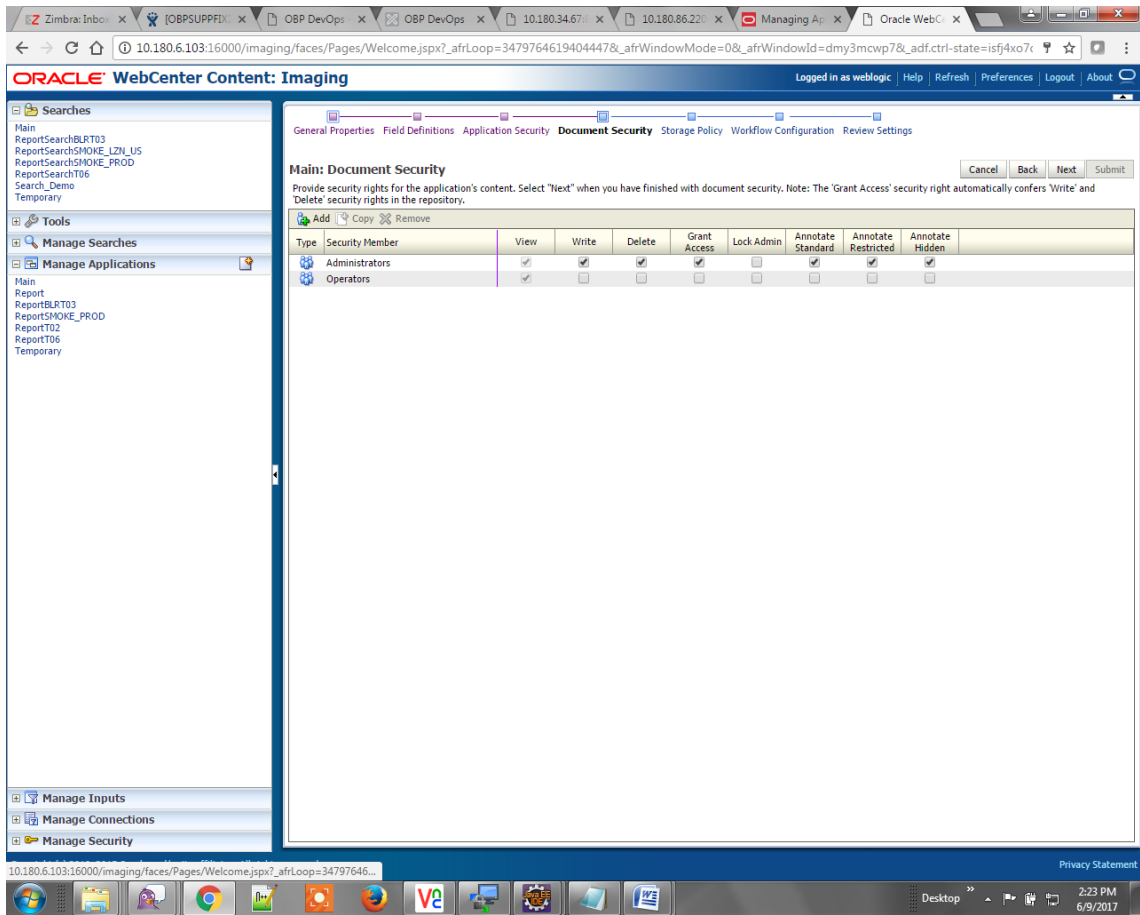
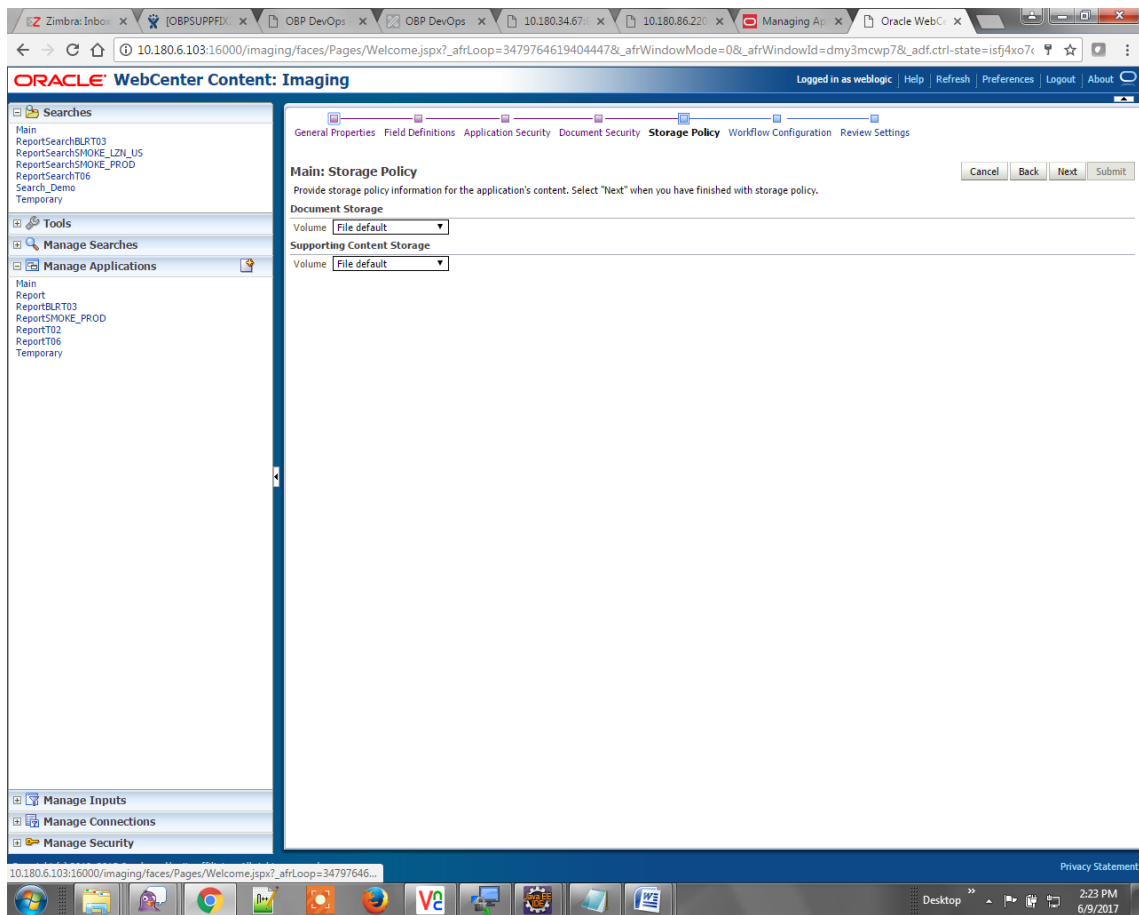


Figure 10–12 Main: Document Security



5. In the Storage Policy page, select the file default option as shown below.

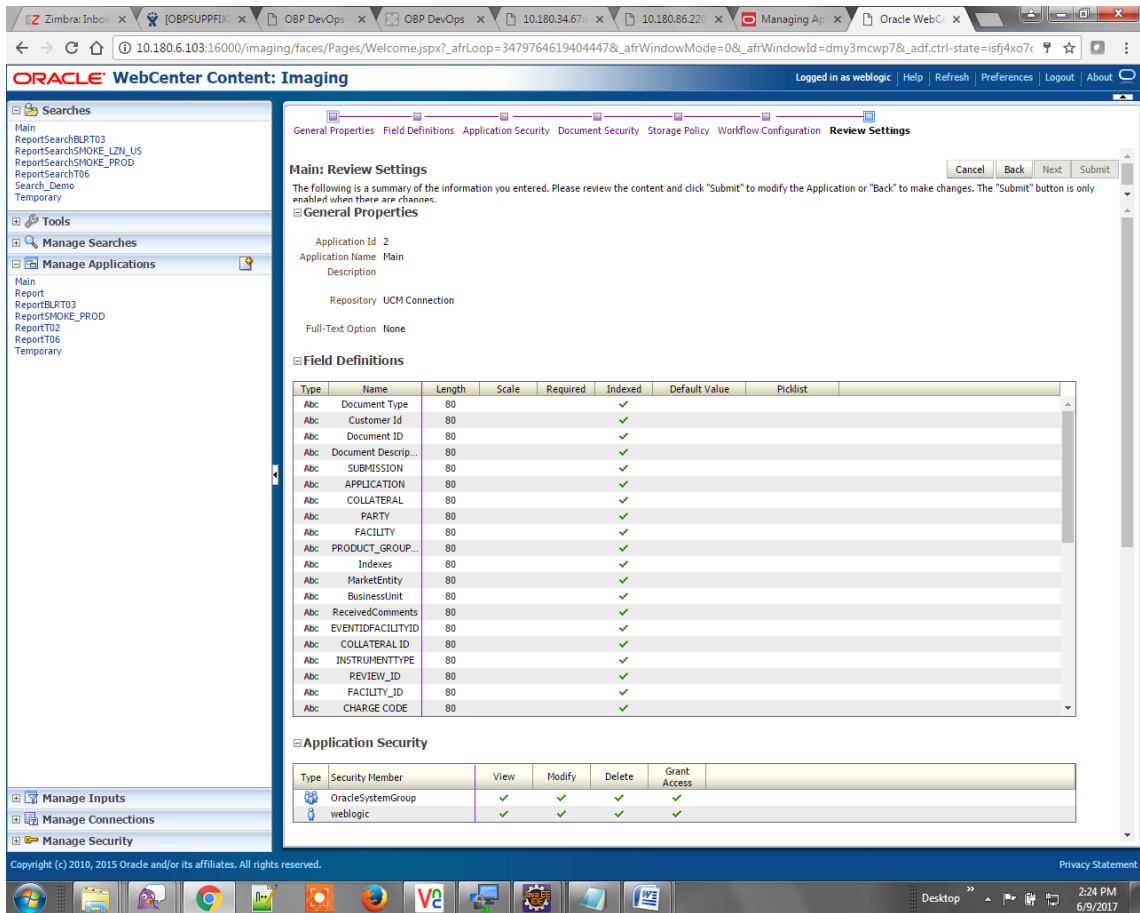
Figure 10–13 Main: Storage Policy



6. Click **Next**. Skip the Workflow Configuration page.
7. Click **Next**.

- Review the summary and click **Submit**.

Figure 10–14 Main: Review Settings

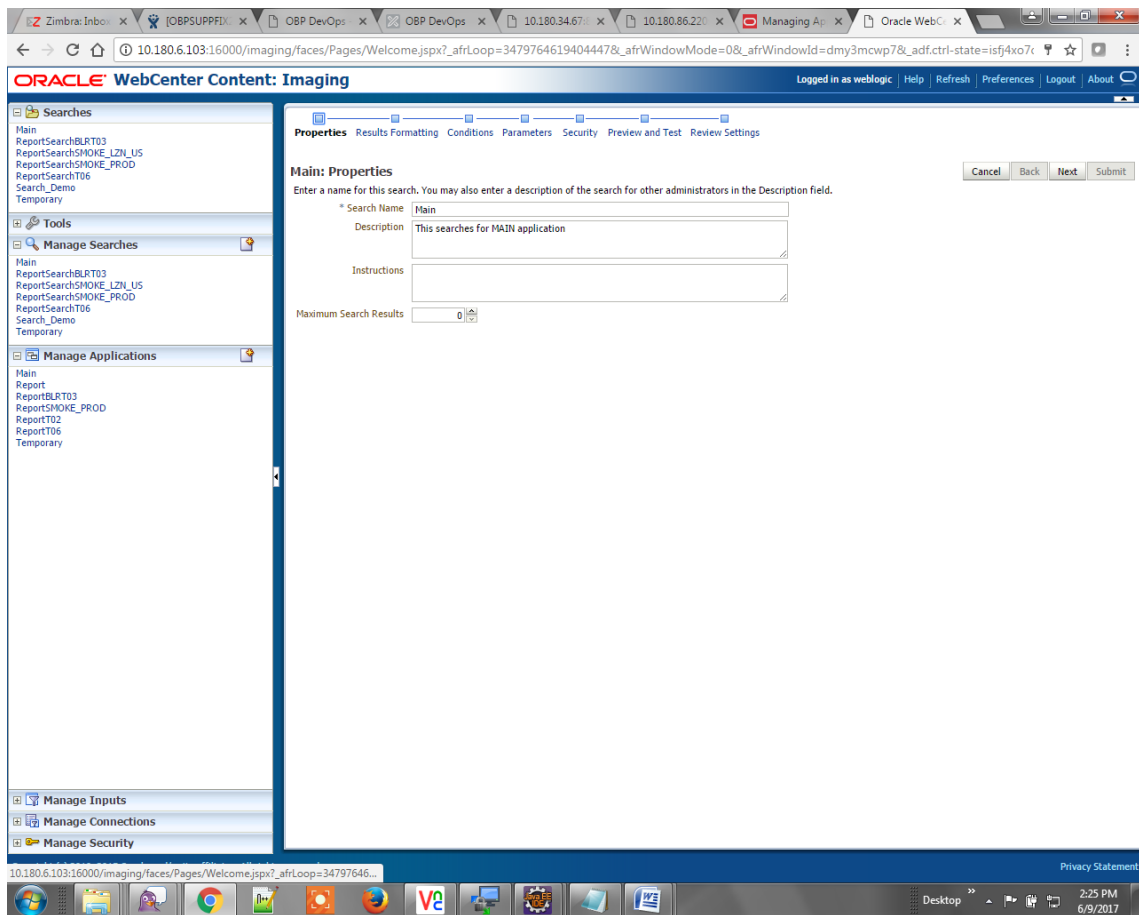


10.1.2.2 Manage Searches

To manage searches:

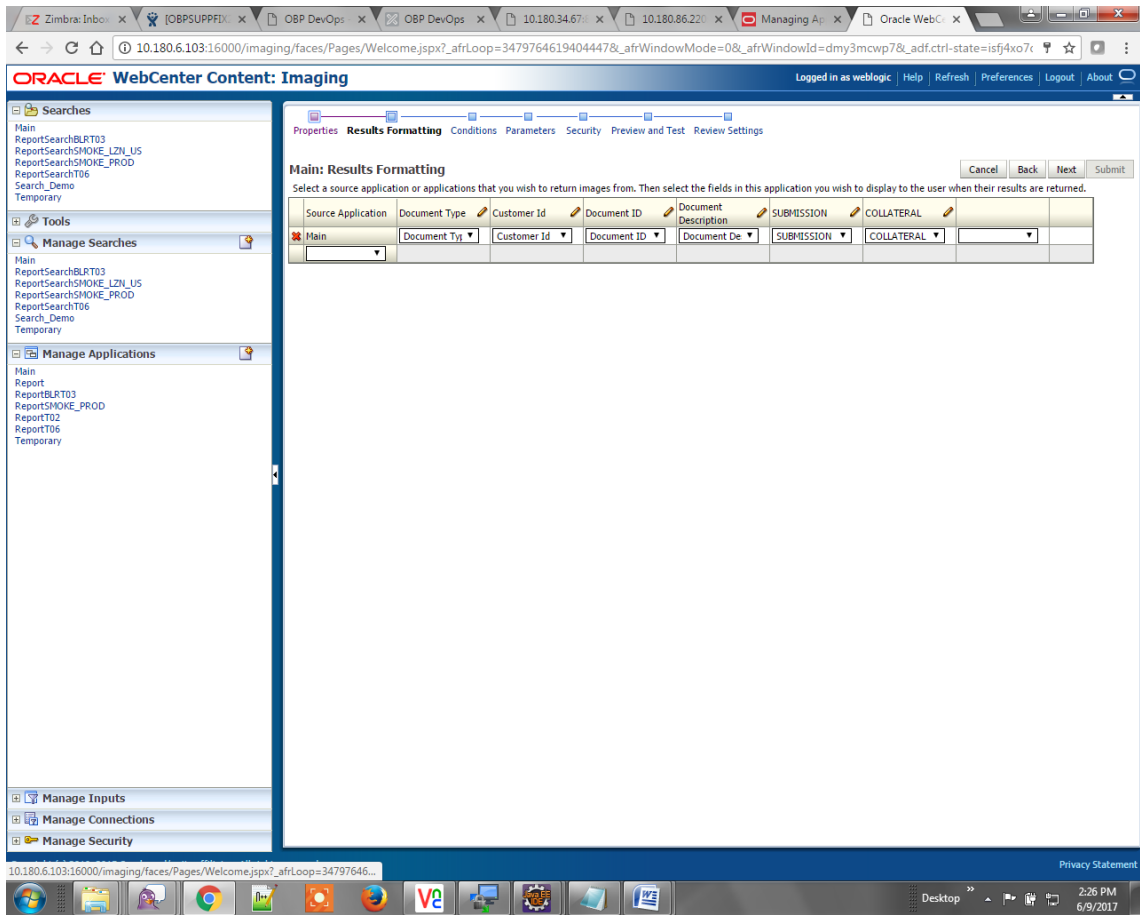
1. Click Manage Searches option and enter the search name with description.

Figure 10–15 Main: Properties



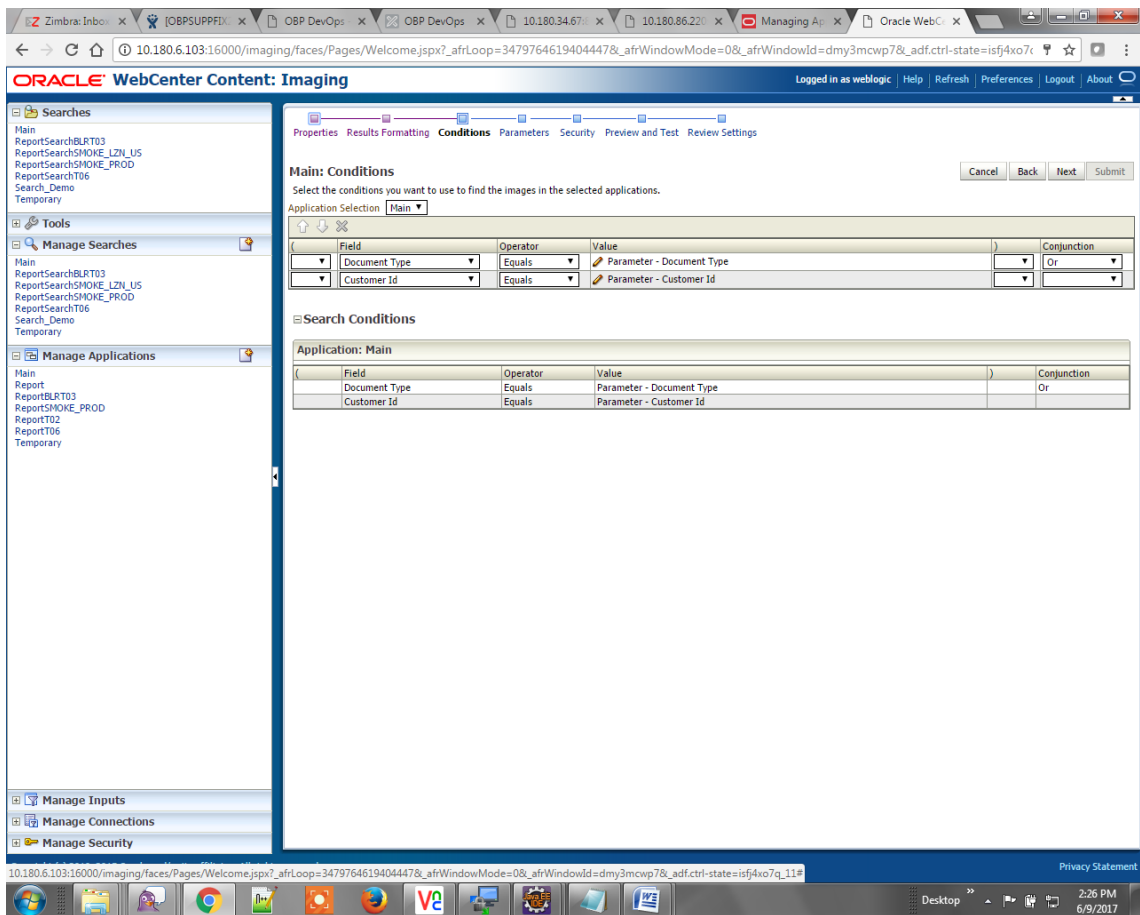
2. Click **Next**.
3. Select the source application along with its field details in the Results Formatting page.

Figure 10–16 Main: Results Formatting



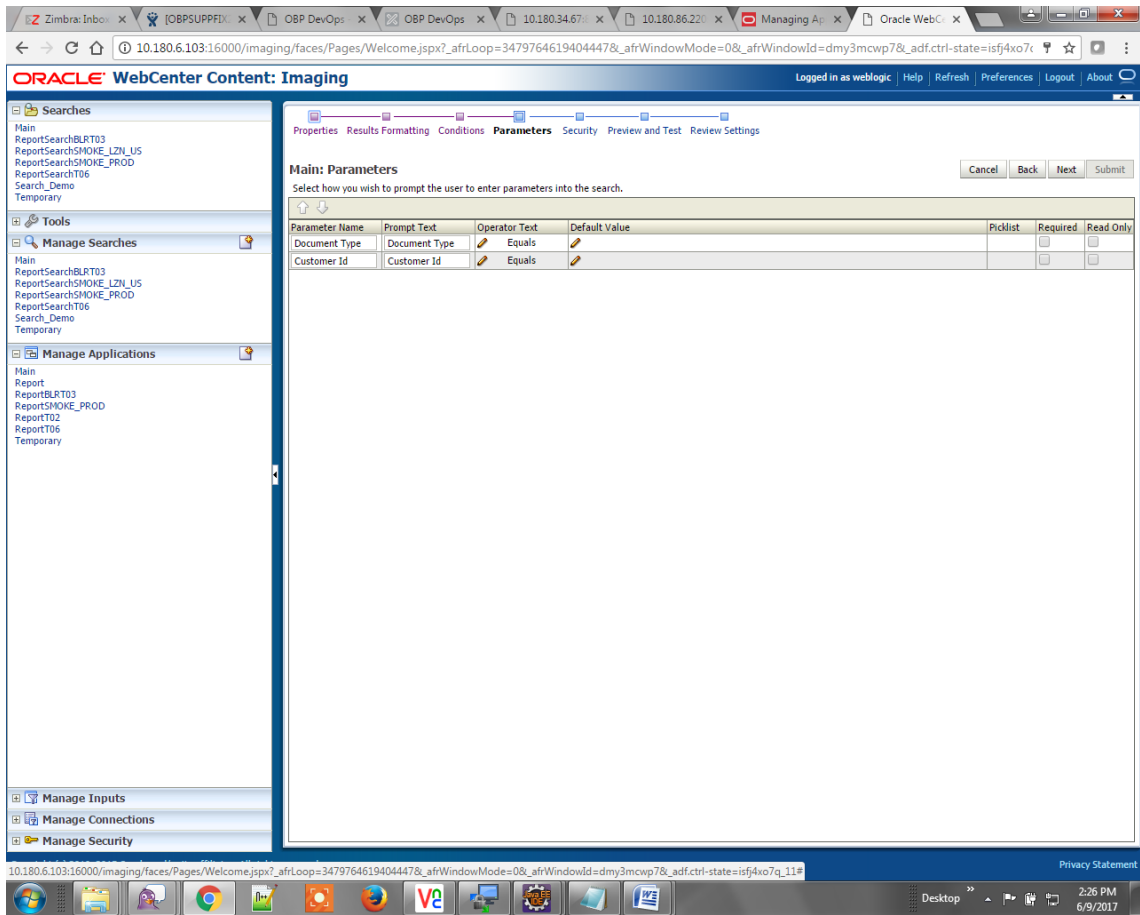
4. Select the appropriate conditions in the Conditions page as shown below.

Figure 10–17 Main: Conditions



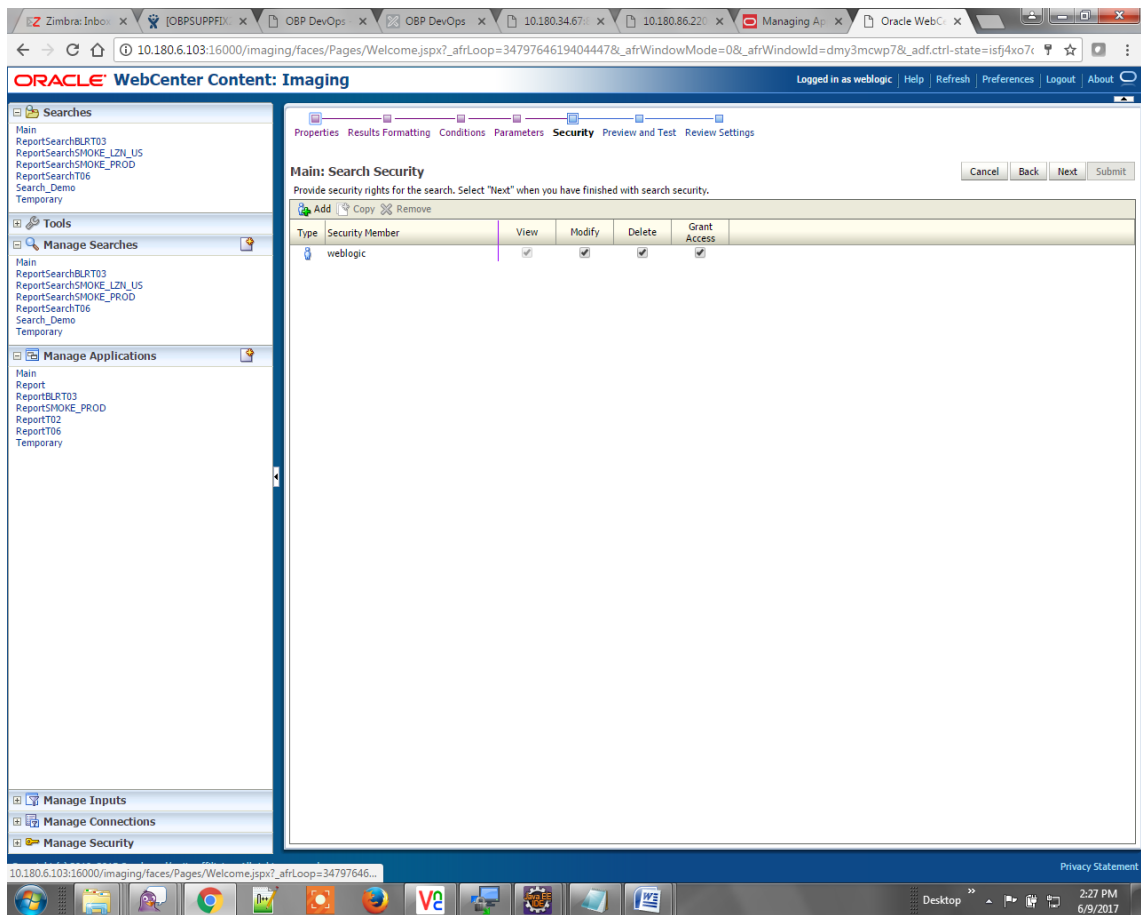
5. Select the appropriate settings in the Parameters page as shown below.

Figure 10–18 Main: Parameters



6. Configure the access rights for users for search in the Search Security page.

Figure 10–19 Main: Search Security



7. Review the summary and click **Submit**.

Figure 10–20 Main: Preview and Test

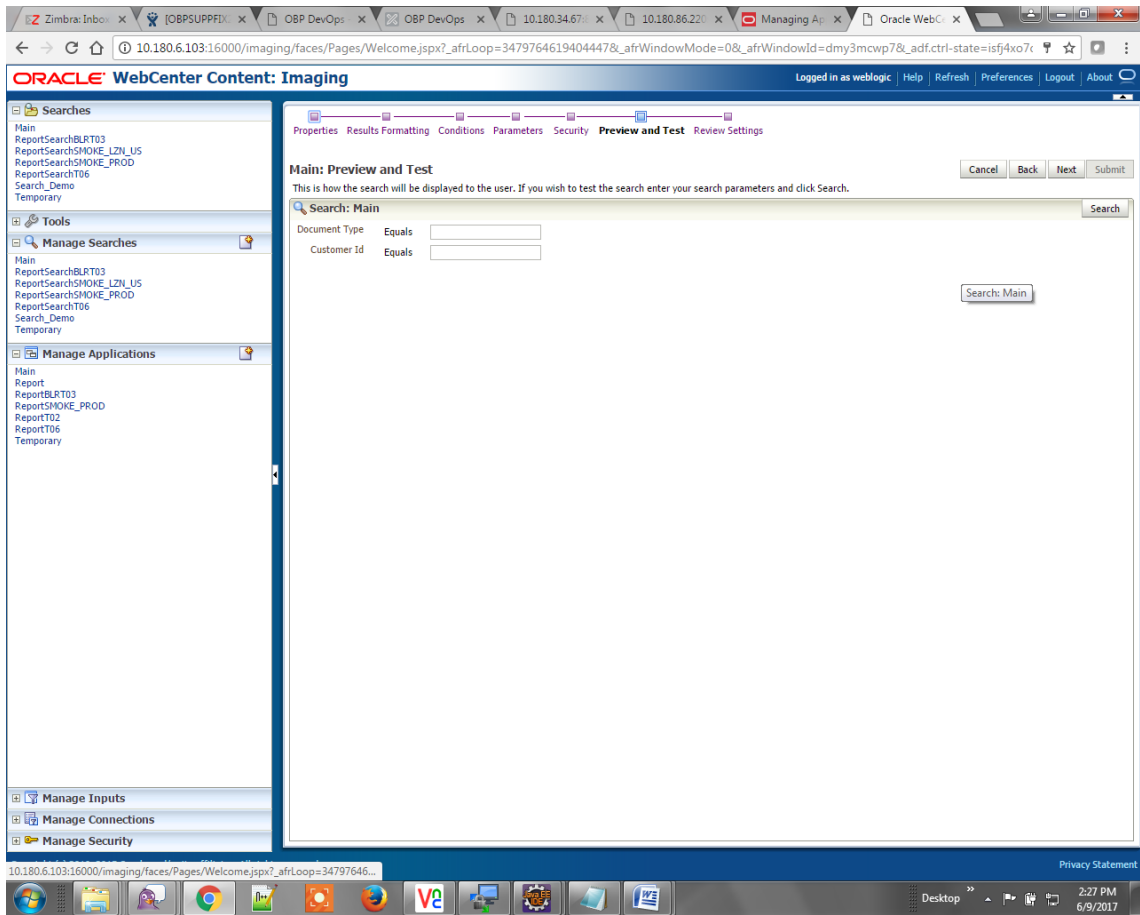
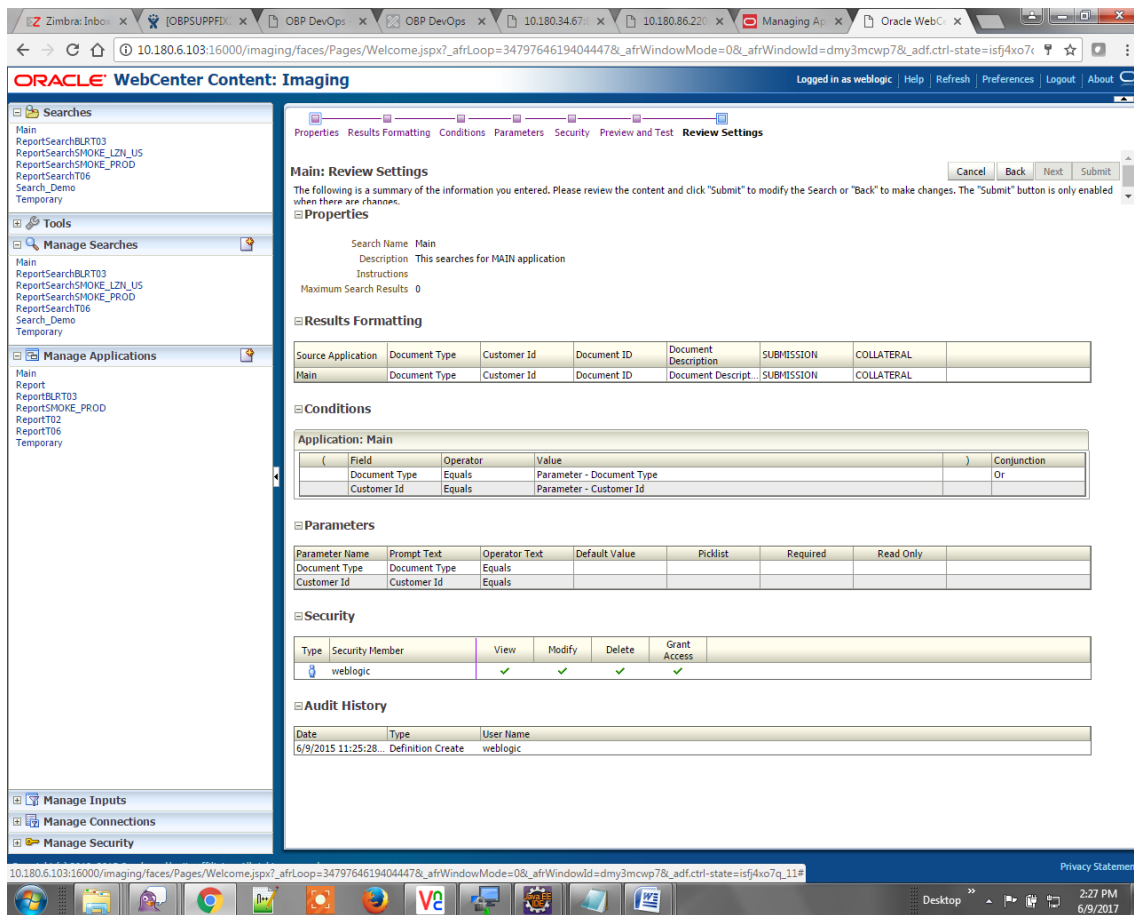


Figure 10–21 Main: Review Settings



10.1.3 Temp Application Configuration

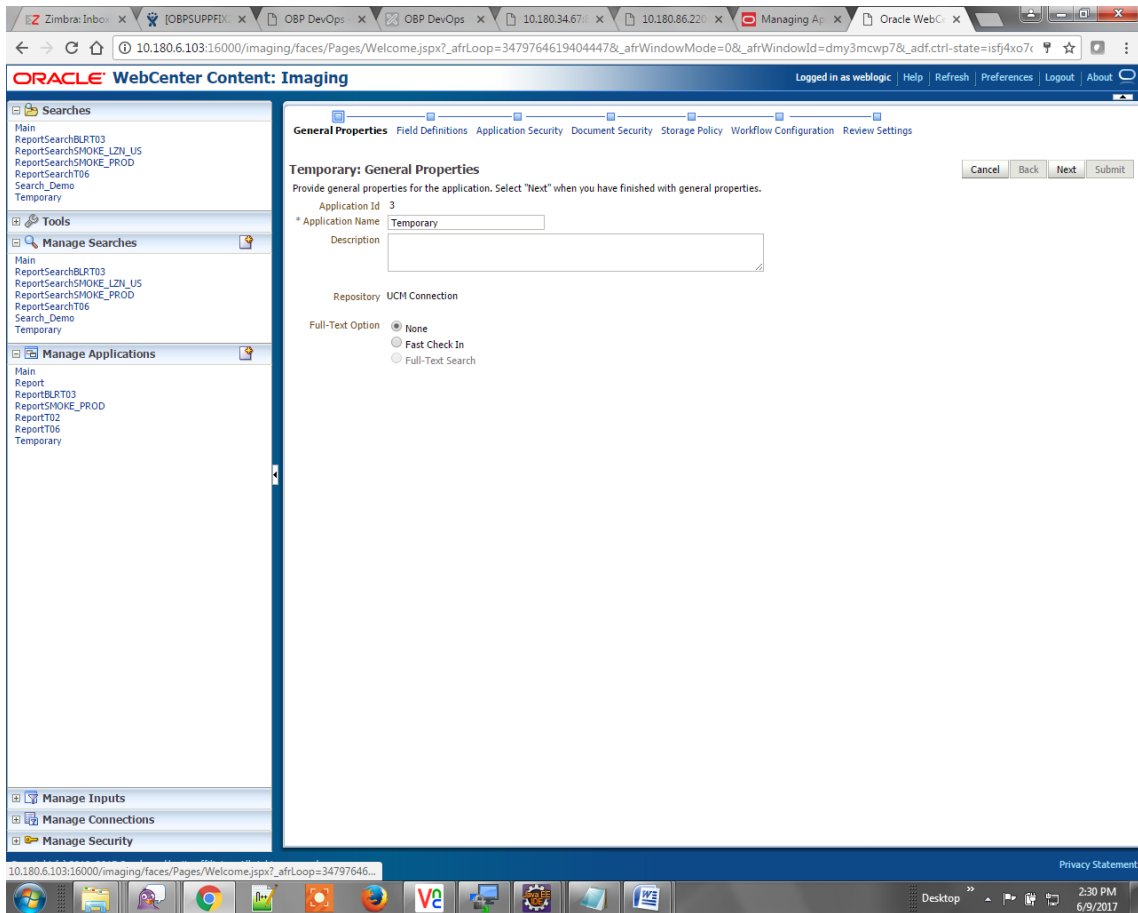
This section provides details about the temp application configuration.

10.1.3.1 Manage Application Configuration

To manage application configuration:

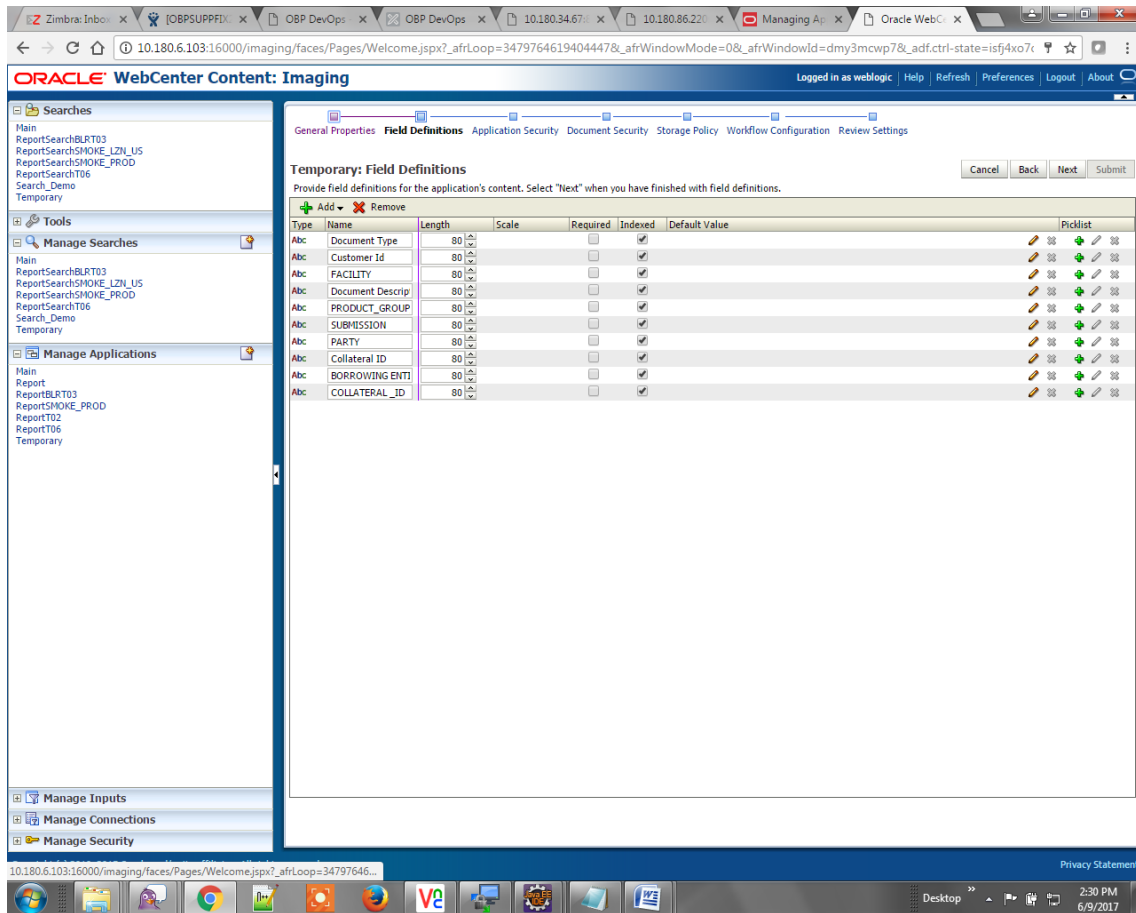
1. Select the Create New Application option.
2. Enter the general properties and click **Next**.

Figure 10–22 Temporary: General Properties



3. Enter the field definition details and click **Next**.

Figure 10–23 Temporary: Field Definitions



- In Application Security and Document Security pages, select the access rights for users and click **Next**.

Figure 10–24 Temporary: Application Security

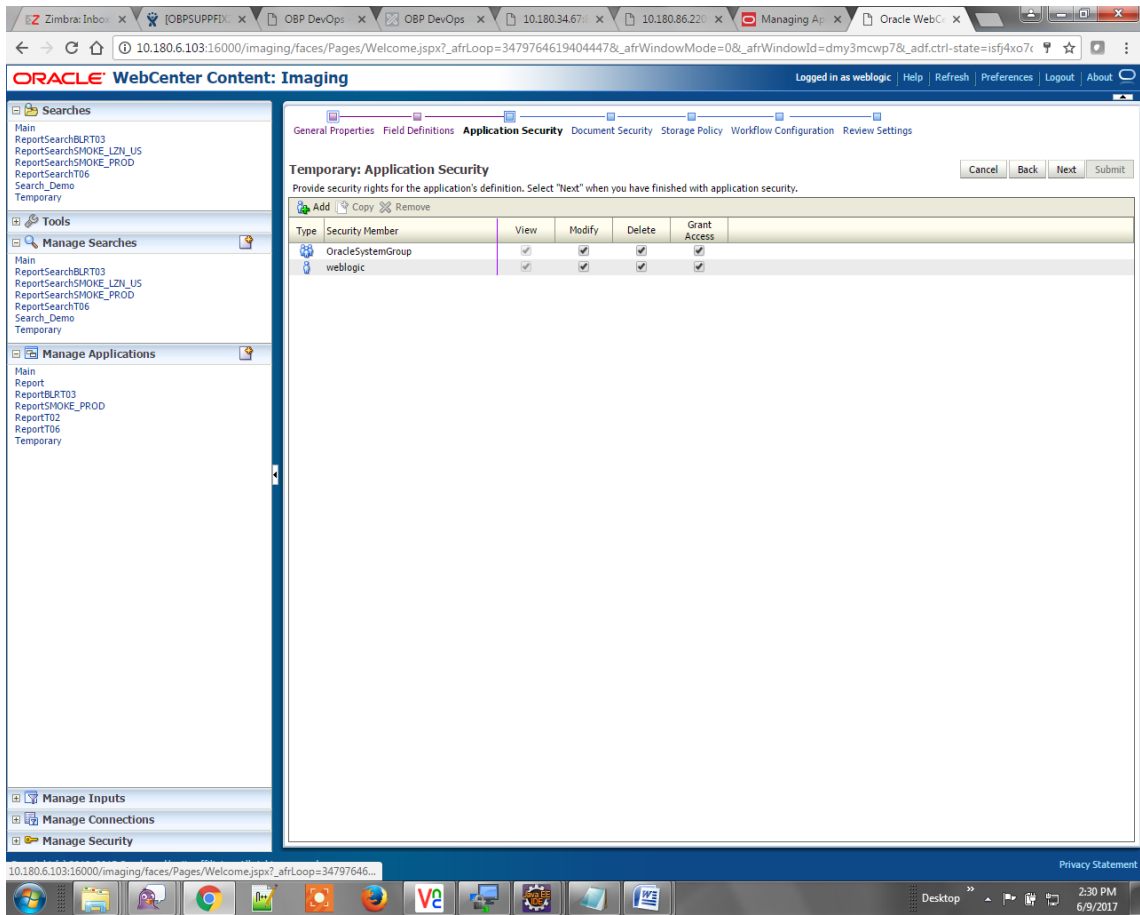
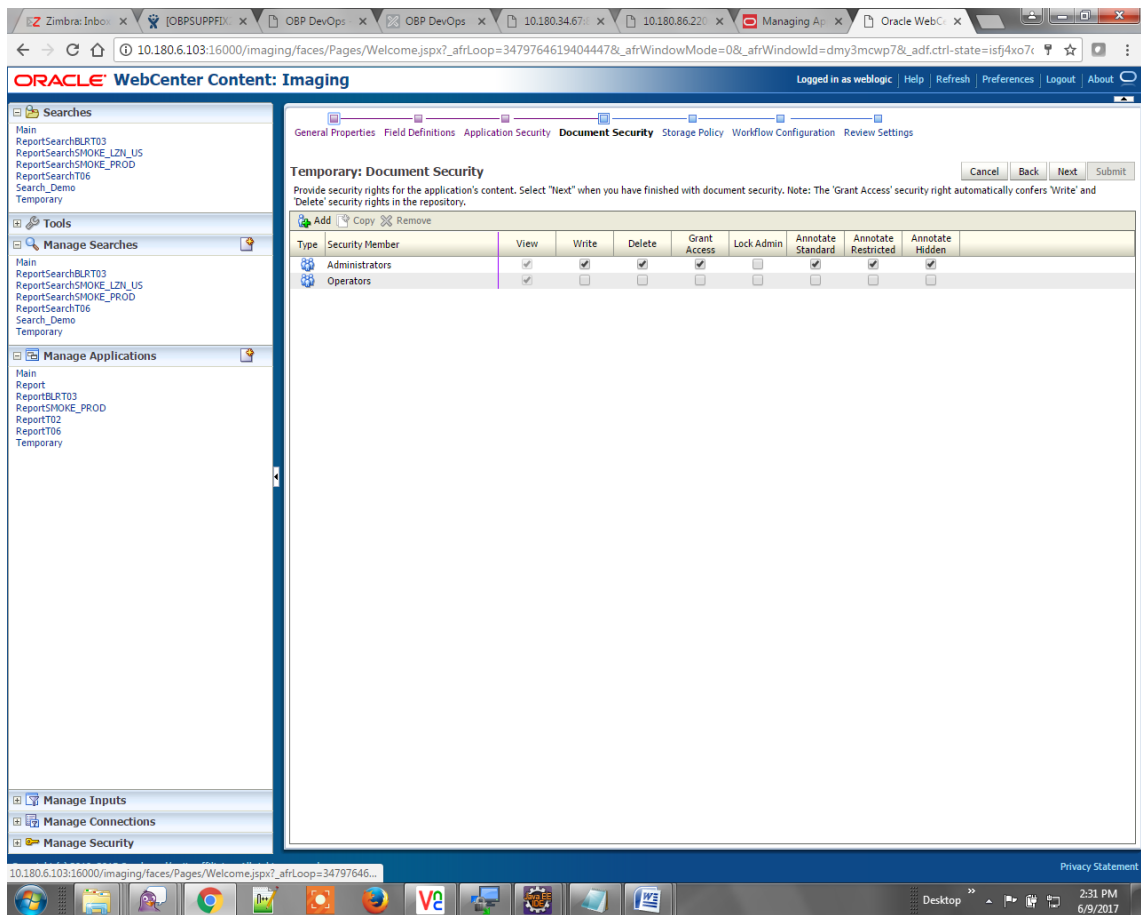
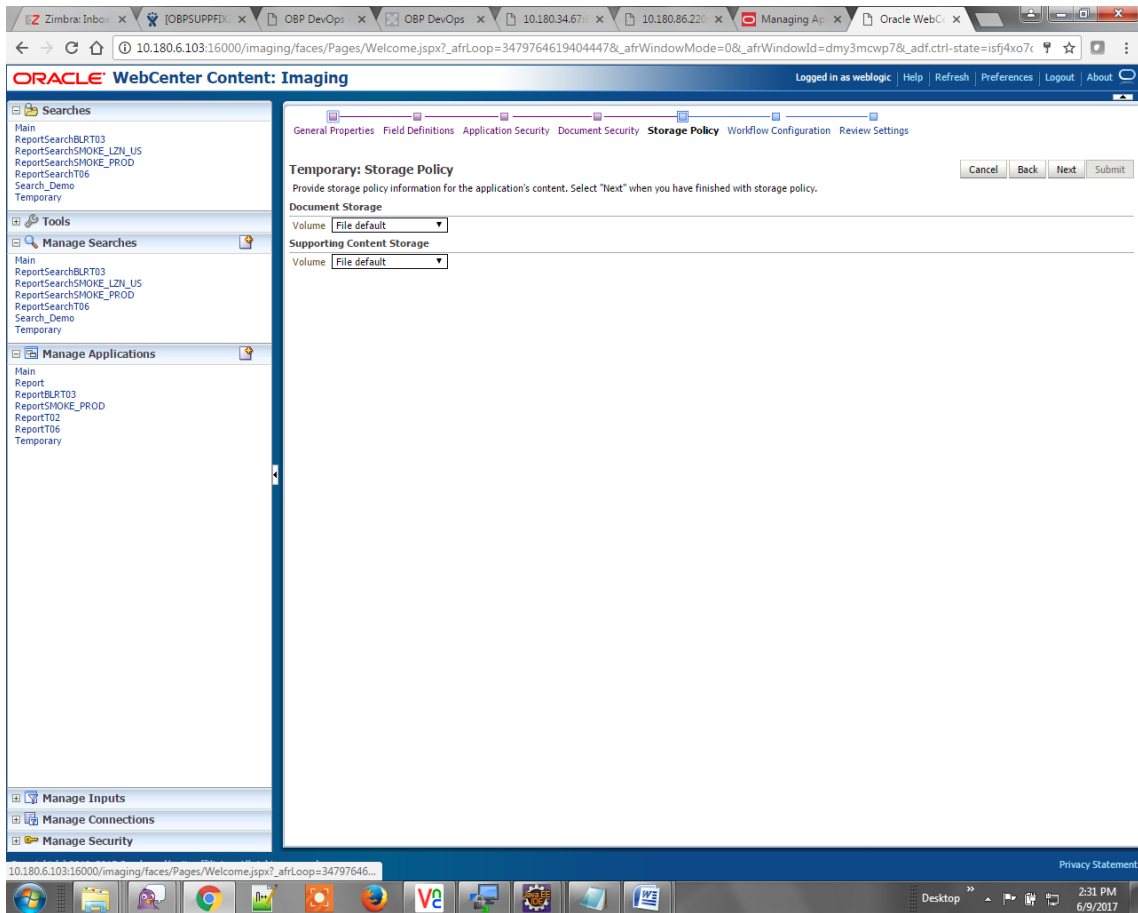


Figure 10–25 Temporary: Document Security



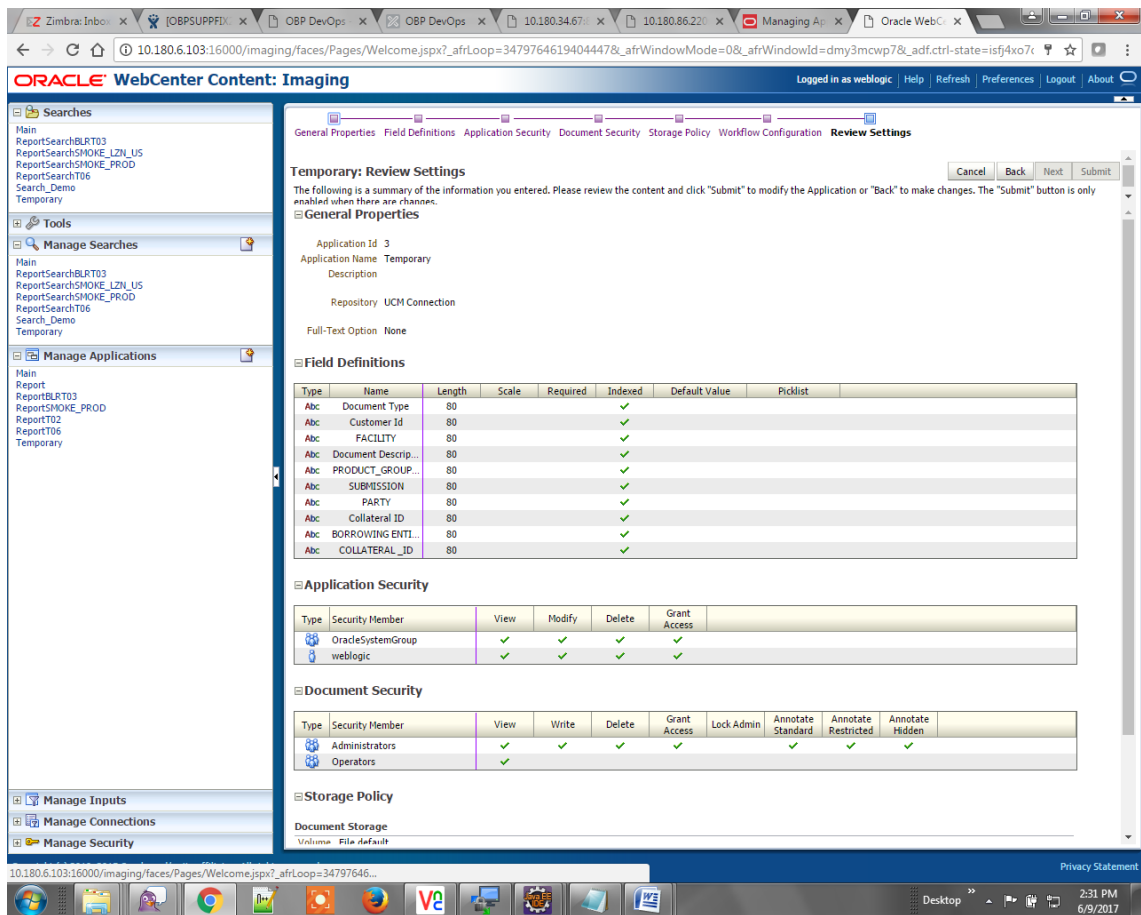
5. In the Storage Policy page, select the file default option has shown below.

Figure 10–26 Temporary: Storage Policy



6. Click **Next**. Skip the Workflow Configuration page.
7. Click **Next**.
8. Review the summary and click **Submit**.

Figure 10–27 Temporary: Review Settings

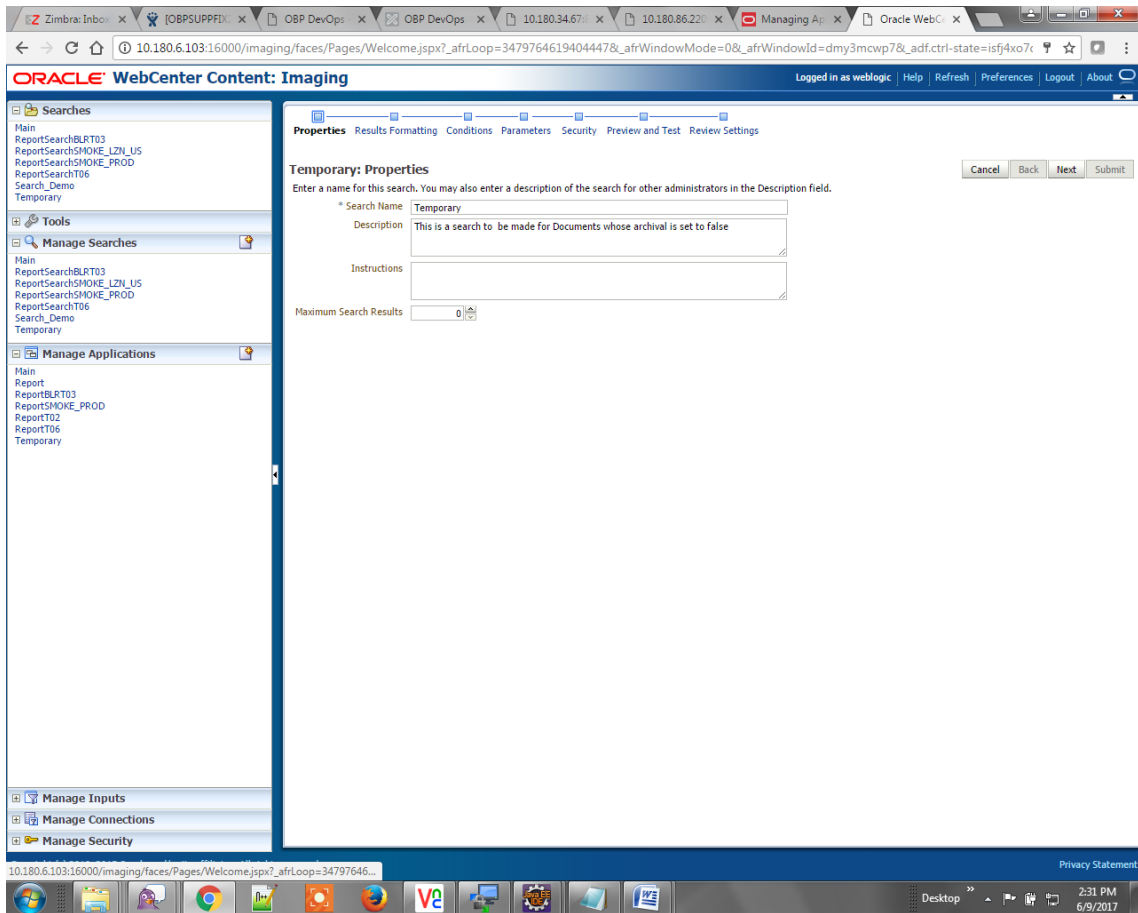


10.1.3.2 Manage Searches

To manage searches:

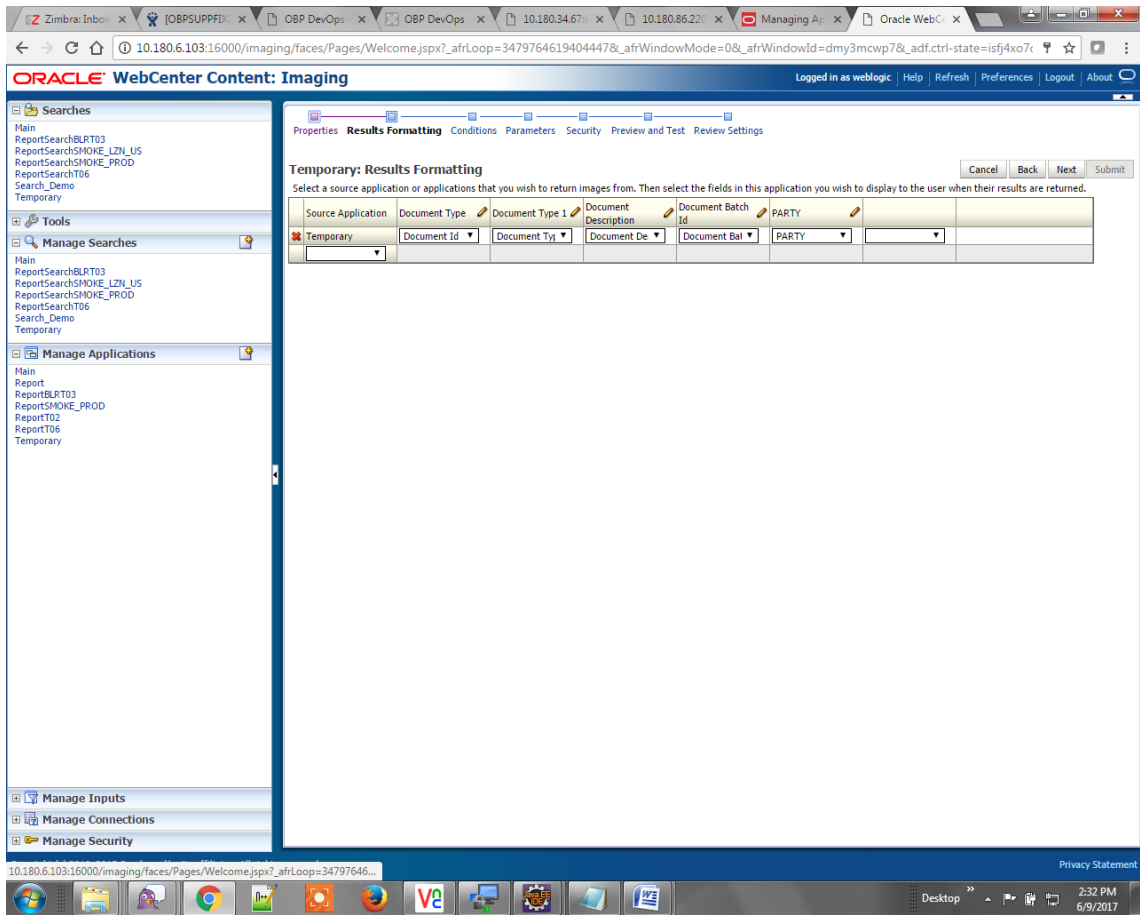
1. Click the Manage Searches option and enter the search name with description.

Figure 10–28 Temporary: Properties



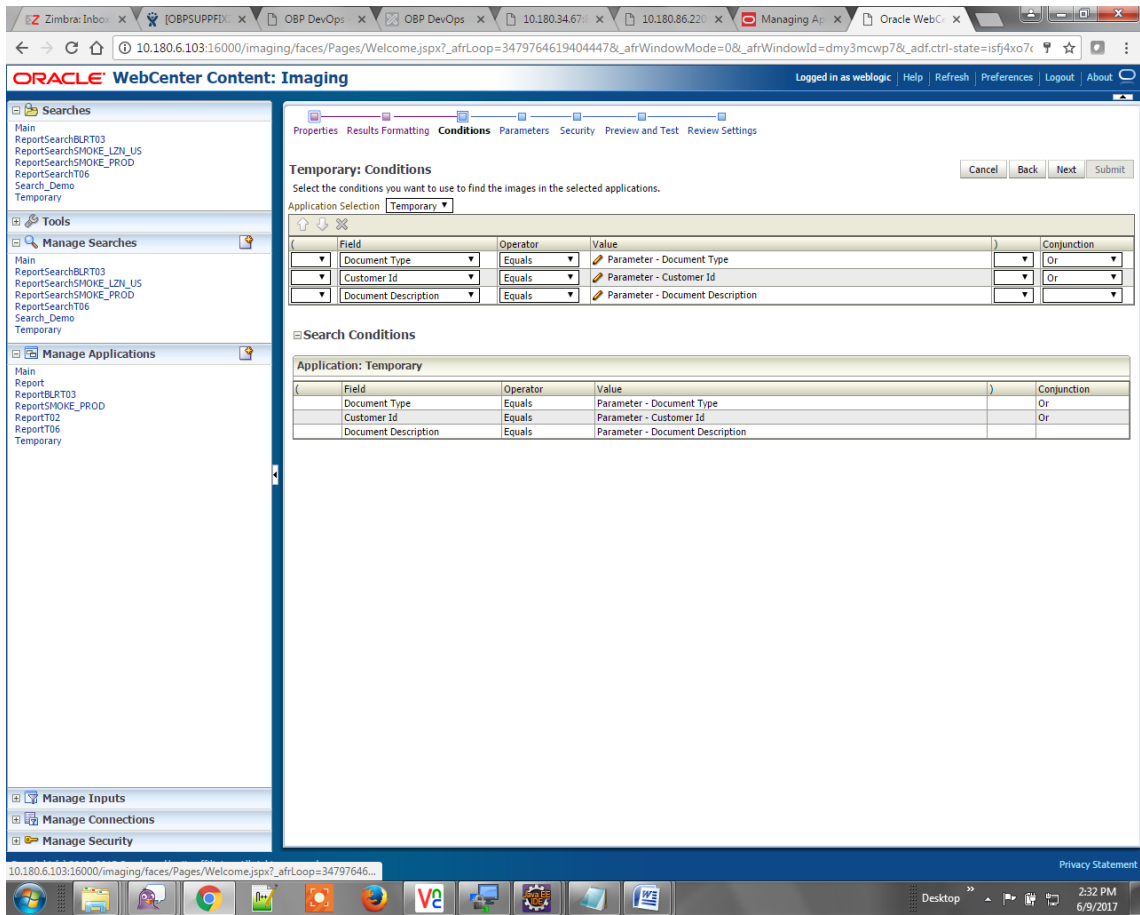
2. Select the source application along with its field details in the Results Formatting page.

Figure 10–29 Temporary: Results Formatting



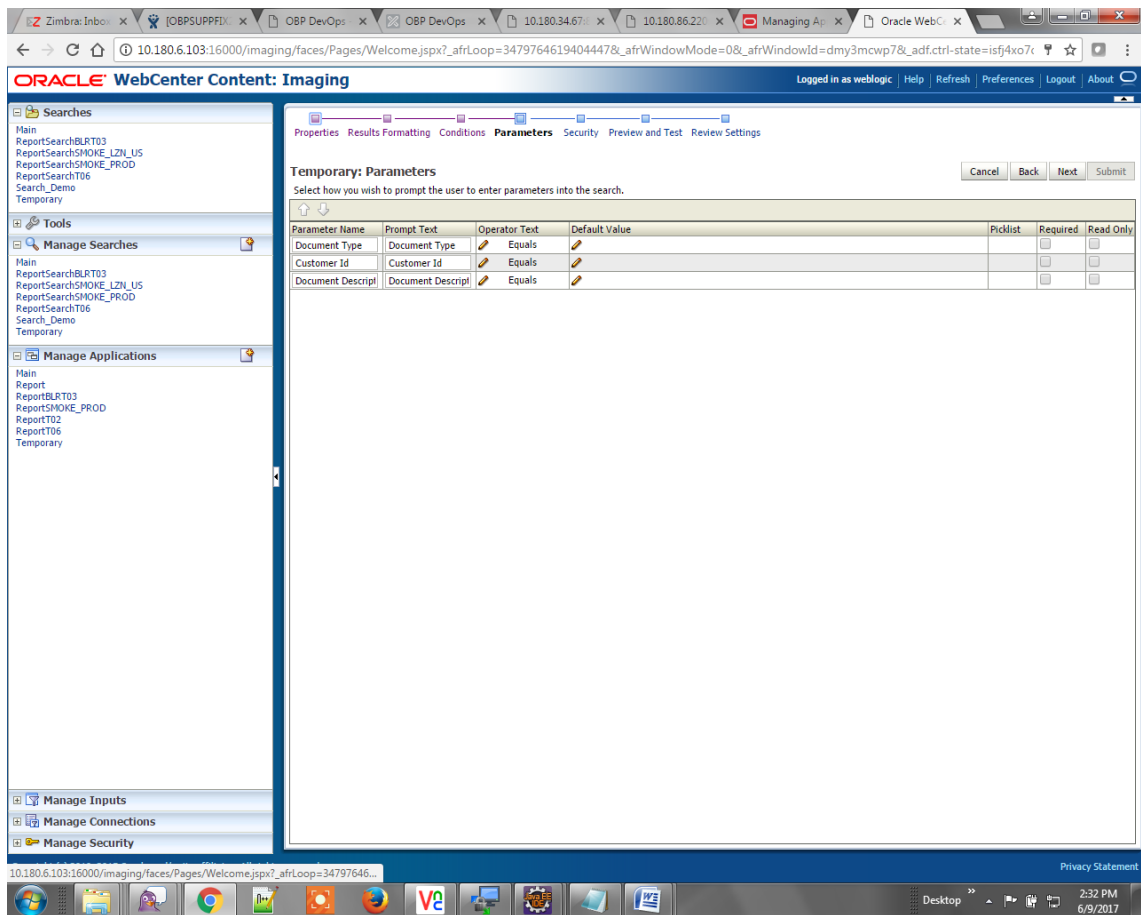
3. Select the appropriate conditions in the Conditions page as shown below.

Figure 10–30 Temporary: Conditions



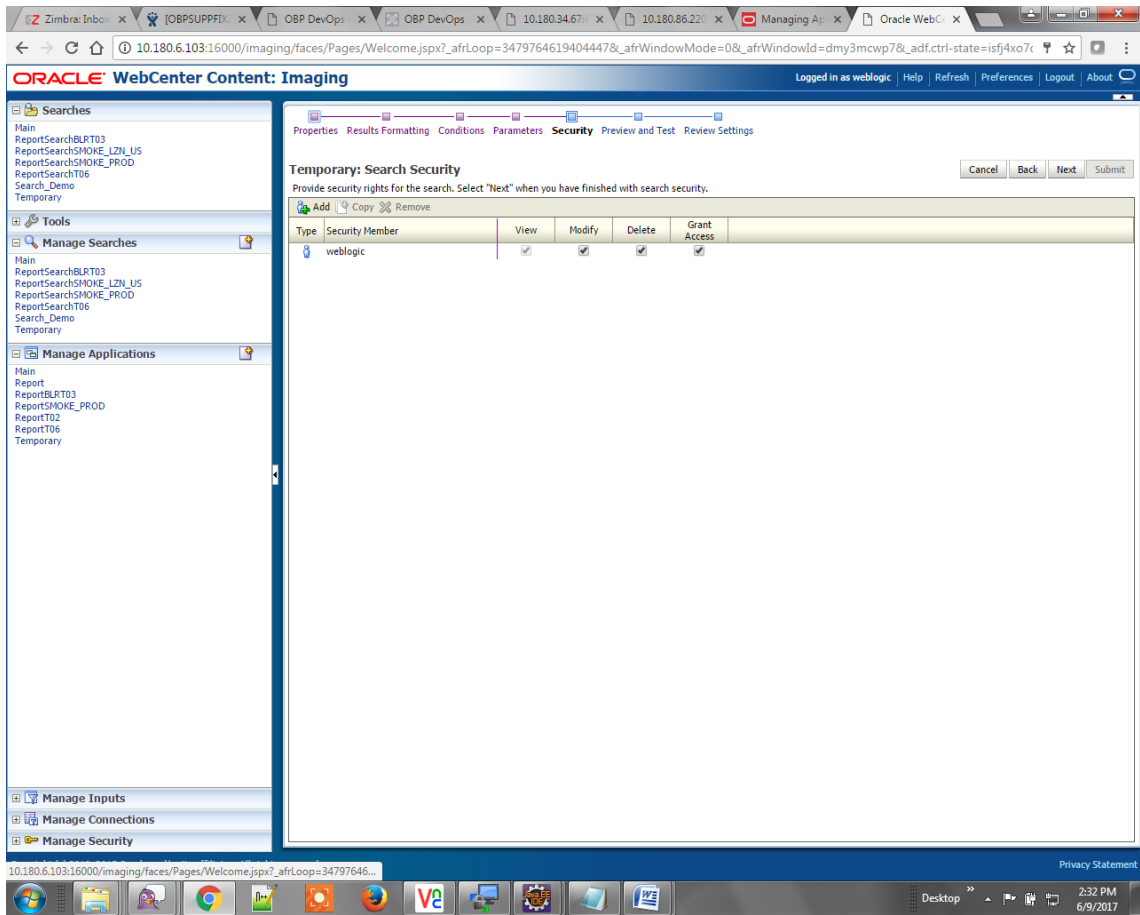
4. Select the appropriate settings in the Parameters page as shown below.

Figure 10–31 Temporary: Parameters



5. Configure the access rights for users for search in the Search Security page.

Figure 10–32 Temporary: Search Security



6. Review the summary and click **Submit**.

Figure 10–33 Temporary: Preview and Test

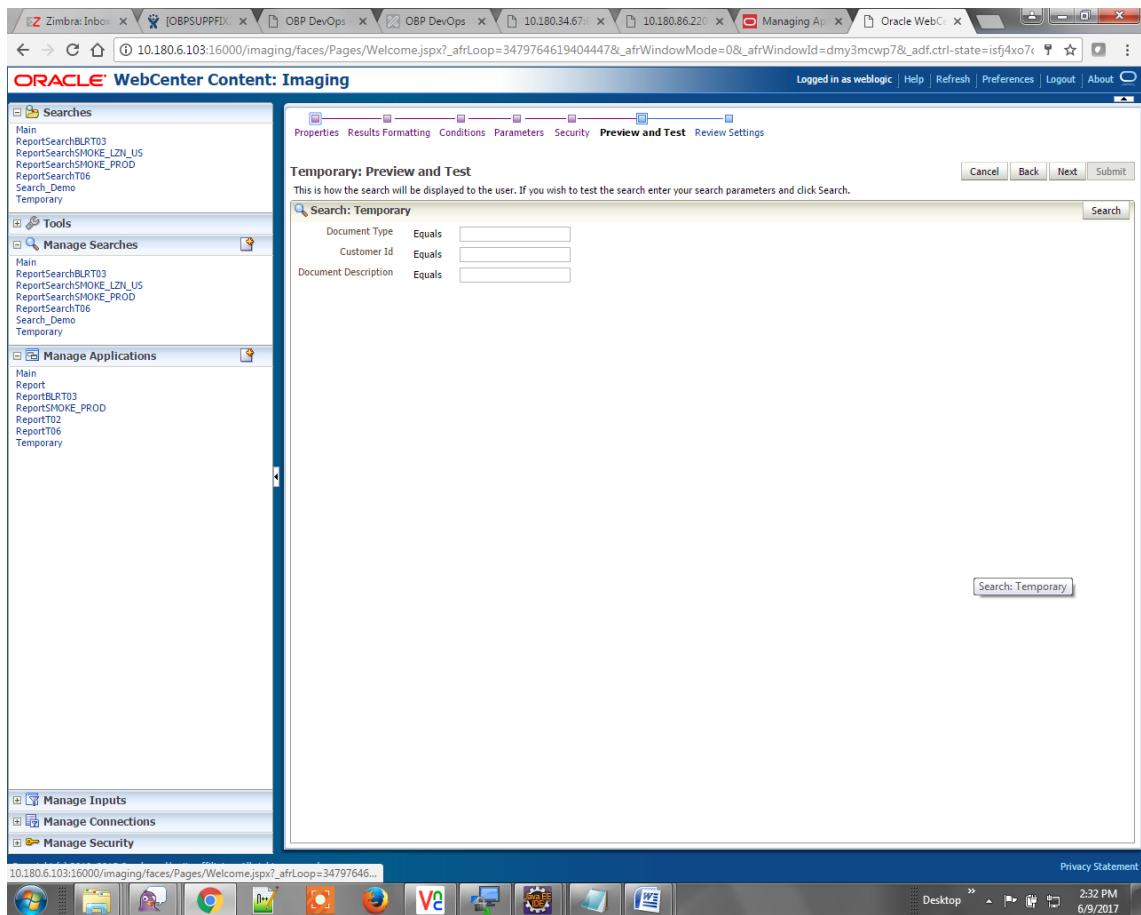


Figure 10–34 Temporary: Review Settings

Temporary: Review Settings

The following is a summary of the information you entered. Please review the content and click "Submit" to modify the Search or "Back" to make changes. The "Submit" button is only enabled when there are changes.

Properties

Search Name: Temporary
 Description: This is a search to be made for Documents whose archival is set to false
 Instructions:
 Maximum Search Results: 0

Results Formatting

Source Application	Document Type	Document Type 1	Document Description	Document Batch Id	PARTY
Temporary	Document Id	Document Type	Document Descript...	Document Batch Id	PARTY

Conditions

Application: Temporary

Field	Operator	Value	Conjunction
Document Type	Equals	Parameter - Document Type	Or
Customer Id	Equals	Parameter - Customer Id	Or
Document Descript...	Equals	Parameter - Document Description	

Parameters

Parameter Name	Prompt Text	Operator Text	Default Value	Picklist	Required	Read Only
Document Type	Document Type	Equals				
Customer Id	Customer Id	Equals				
Document Descript...	Document Descript...	Equals				

Security

Type	Security Member	View	Modify	Delete	Grant Access
	weblogic	✓	✓	✓	✓

Audit History

Date	Type	User Name
6/9/2015 11:27:02...	Definition Create	weblogic

The application ID generated for the main and temporary applications should be updated in the OBP DB schema table `flx_cm_doc_typ_meta_data` using the following sql statements:

Note

Replace the <main application id> with the application ID generated for the IPM application and the <temporary application id> with the application ID generated for the IPM application sql statements with the actual generated.

SQL for Main Application

```
update flx_cm_doc_typ_meta_data
set app_id = '<main application id>'
where doc_typ_id = 'MAIN';
```

SQL for Temp Application

```
update flx_cm_doc_typ_meta_data tp
set app_id = '<temporary application id>'
where doc_typ_id = 'TEMP';
```

10.2 IPM Configuration for Bulk Upload Process Setup

This step is an optional configuration step. It is required only for banks that need to upload documents in bulk. Creation of an input configuration results in defining an input file format and mapping the file input data with the application field definitions. This file format is then understood by the IPM Bulk data upload feature (known as an document upload input agent in IPM), which uploads scanned documents from a shared folder on into IPM.

This upload takes place in the following steps:

A file containing details of the scanned documents to be uploaded is taken as an input from a location on the server. Then IPM uploads the scanned documents as specified in an input definition file.

Then IPM invokes the "IPMBulkUpload" BPEL process deployed on the SOA server as part of the SOA media pack installation process. The BPEL process updates the IPM document reference ID in OBP for the document record.

10.2.1 Prerequisites

Following are the prerequisites before proceeding with the bulk upload process setup:

1. Application on IPM server is already created on which bulk upload process needs to be configured. For more information to understand the application creation process, see Image Processing and Management Admin Guide.
2. `com.ofss.fc.workflow.process.IPMBulkUploadProcess` is already deployed on the SOA server.

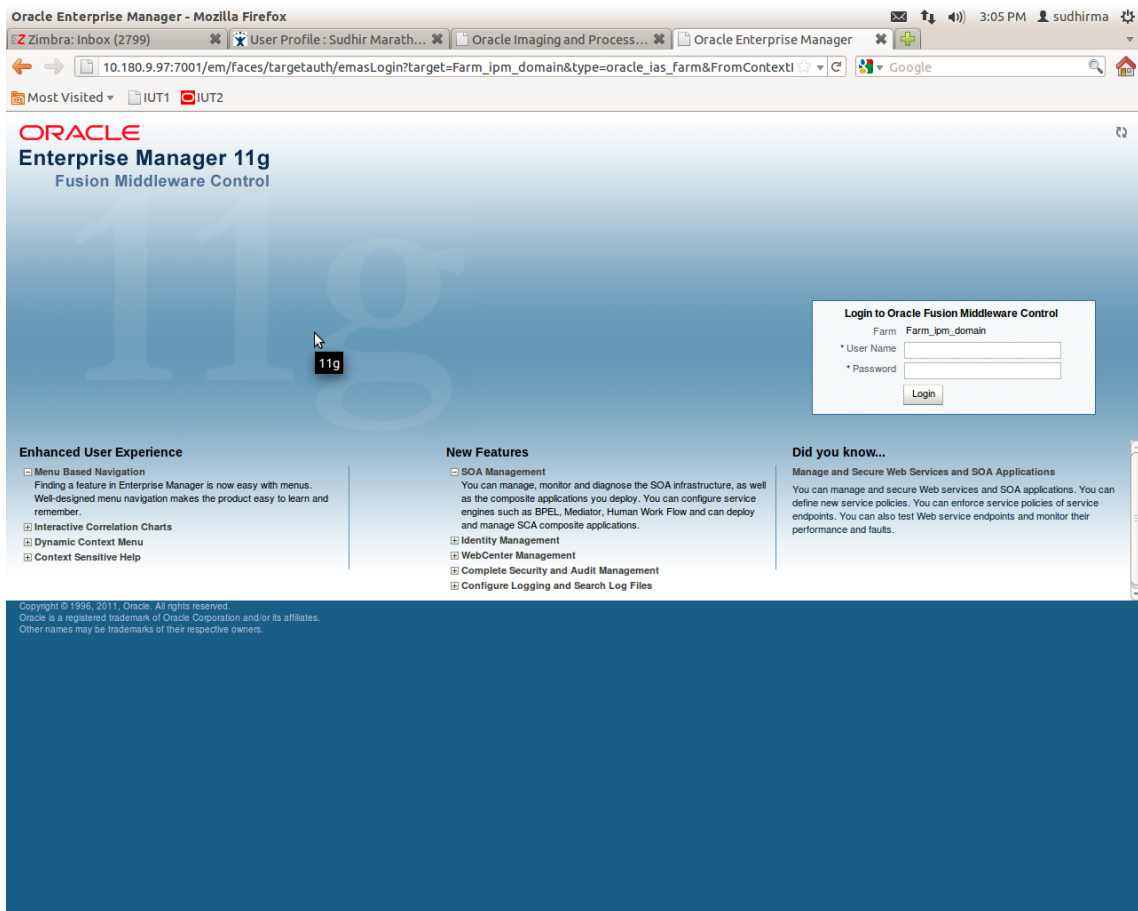
10.2.2 Setting up the Connection Name

To set up a bulk process we need to start by setting up the connection name, which is used as JNDI for IPM to BPEL connection.

To set up a bulk process:

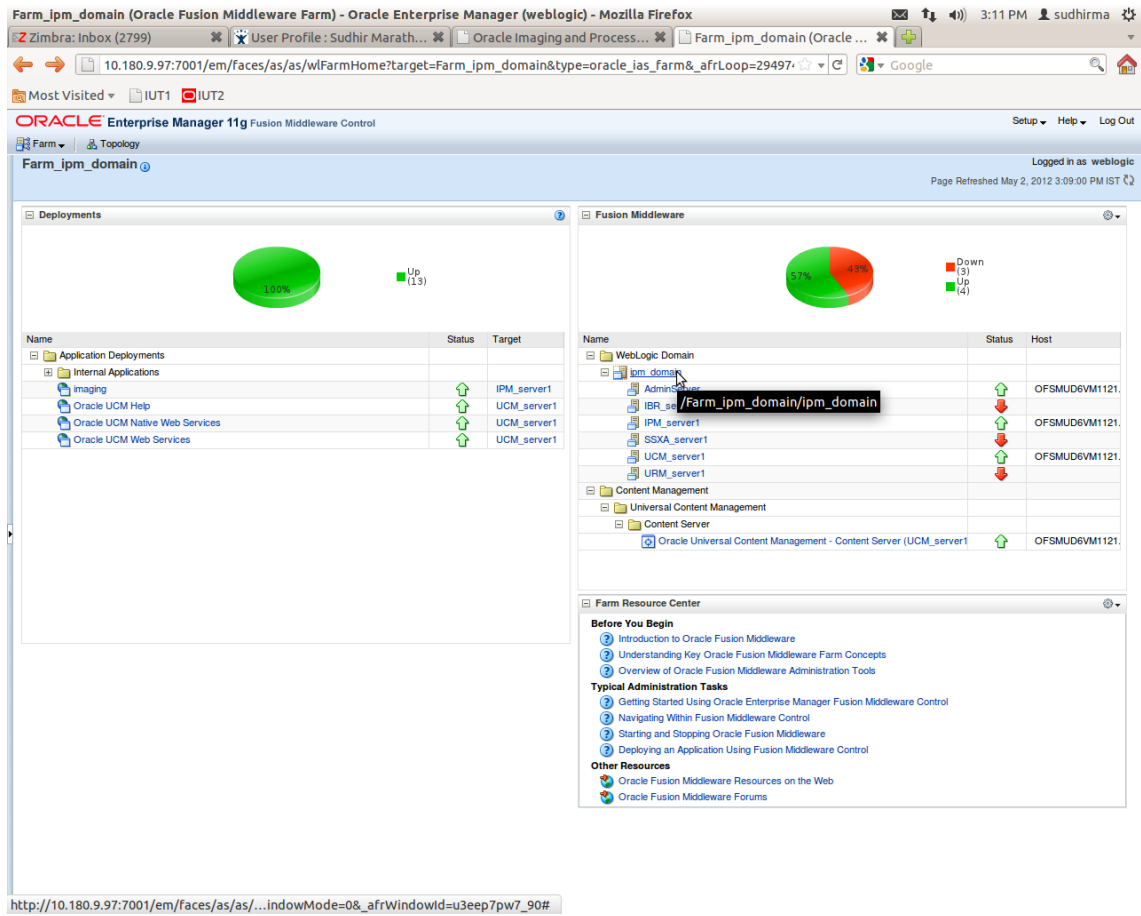
1. Log in to Enterprise Manager (EM) console.

Figure 10–35 EM Console Login



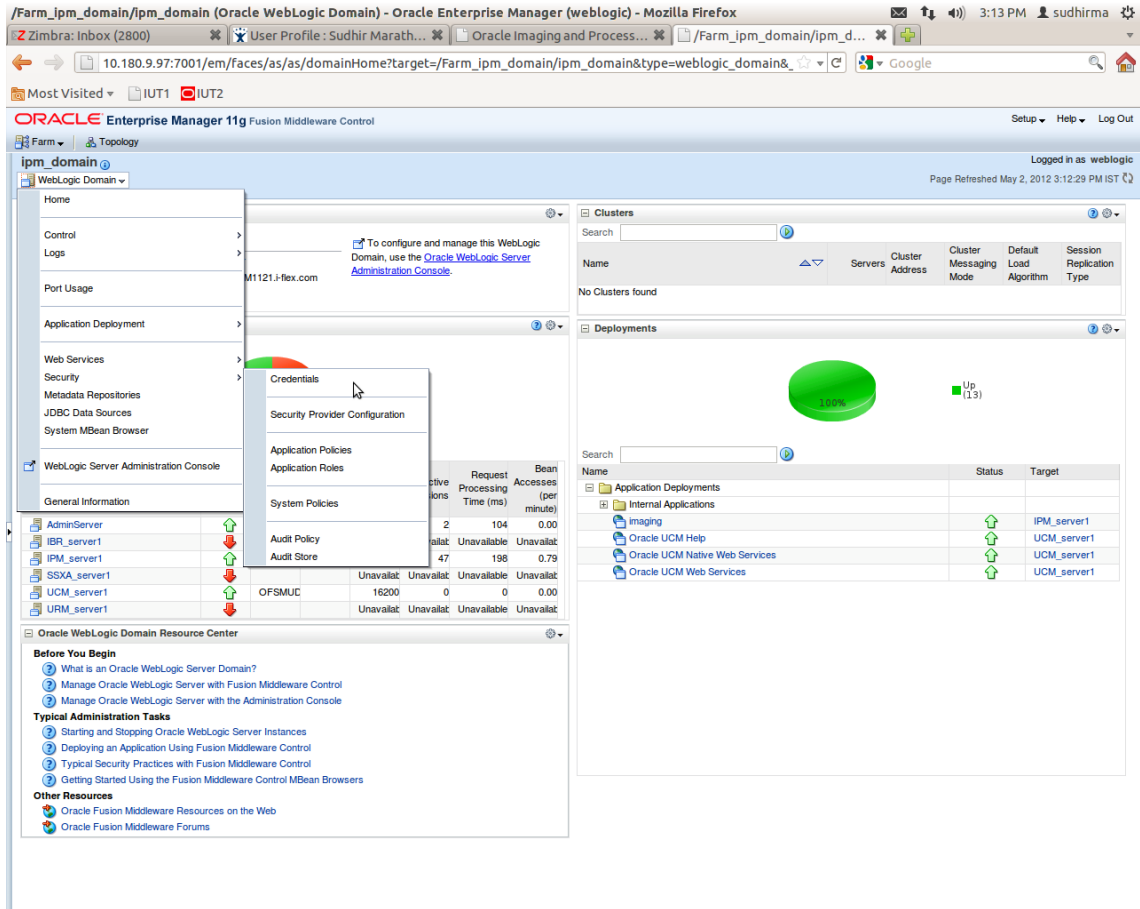
2. In the Name section, under Weblogic domain, click **ipm domain** (or base domain where ipm server is installed).

Figure 10–36 Click Weblogic Domain: ipm domain



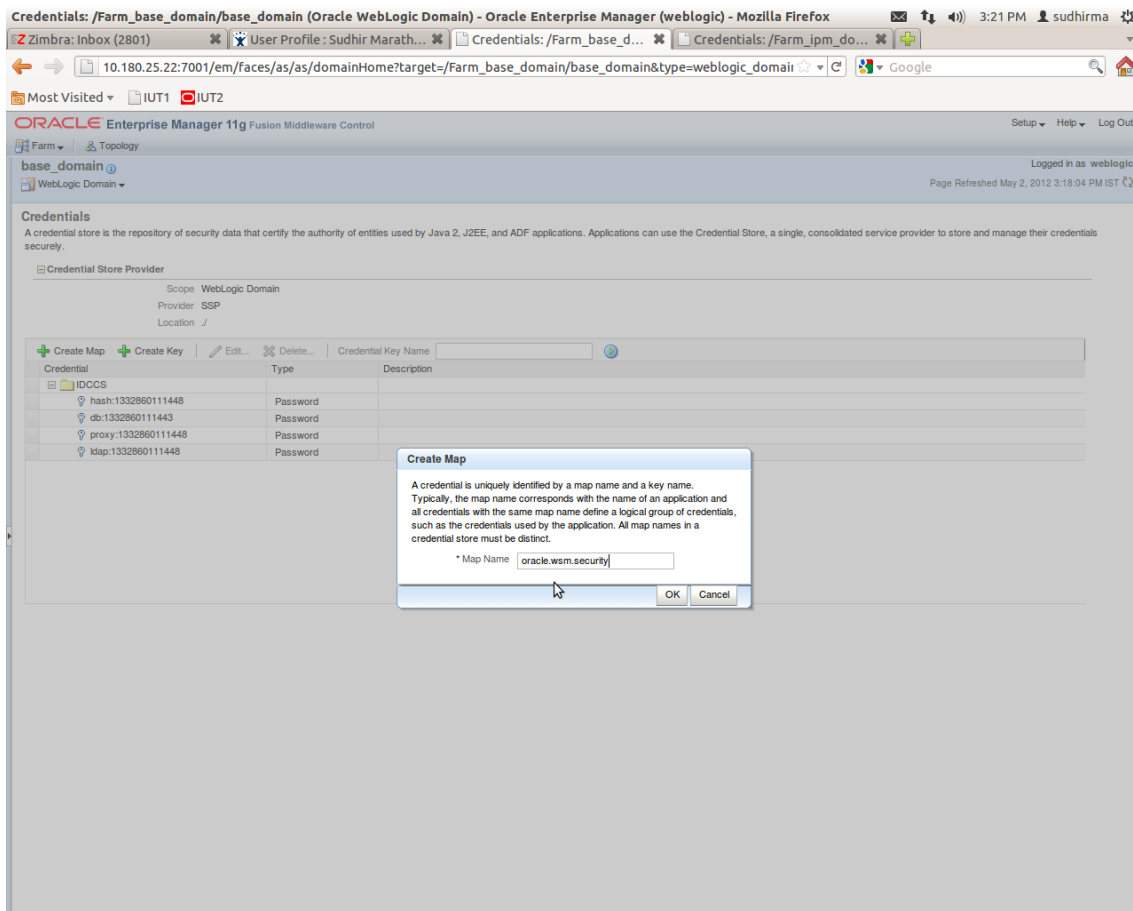
3. In the top menu, **click Weblogic Domain**. The corresponding menu appears.
4. Navigate to **Security > Credentials**. The Credentials page appears.

Figure 10–37 Navigate to Weblogic Domain --> Security --> Credentials



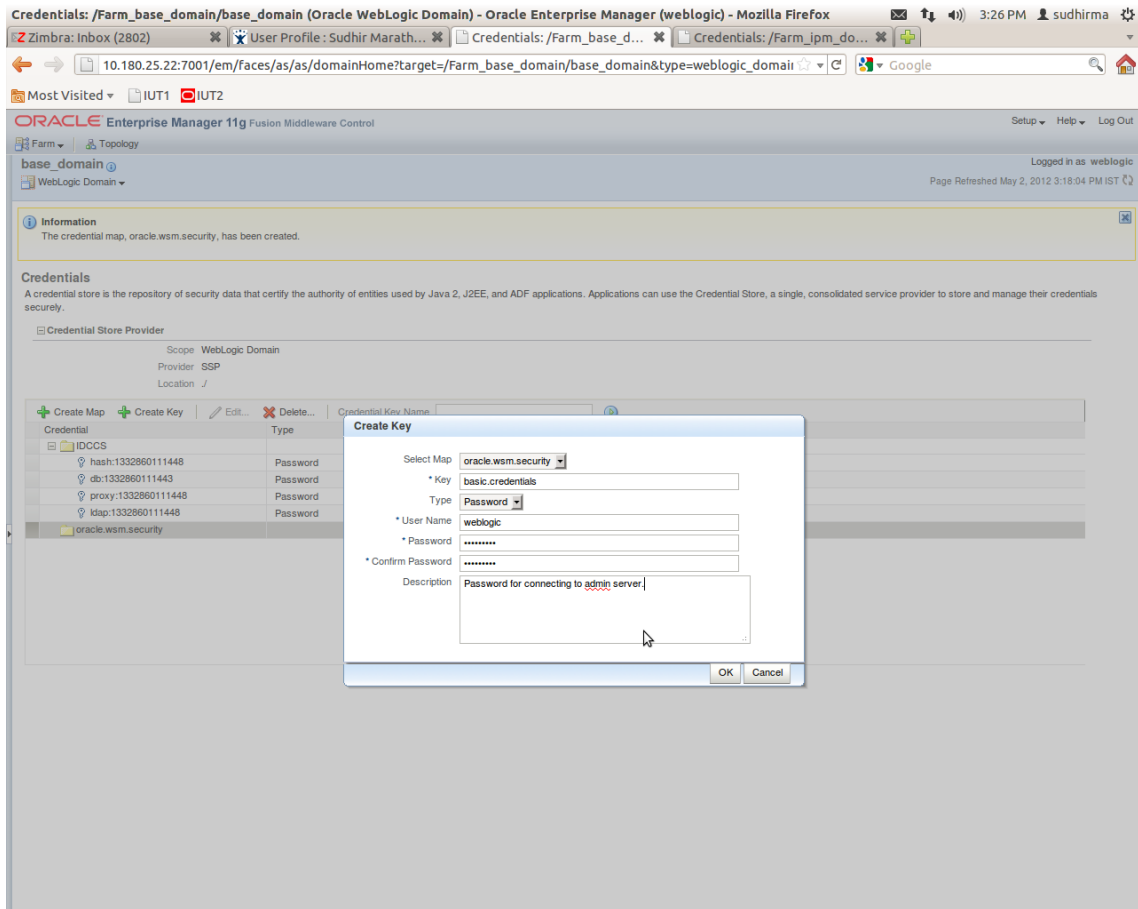
5. Click **Create Map** to create a map with the **Map Name** as **oracle.wsm.security**.

Figure 10–38 Create Map oracle.wsm.security



6. Click **Create Key** to create a key under the map **oracle.wsm.security**.

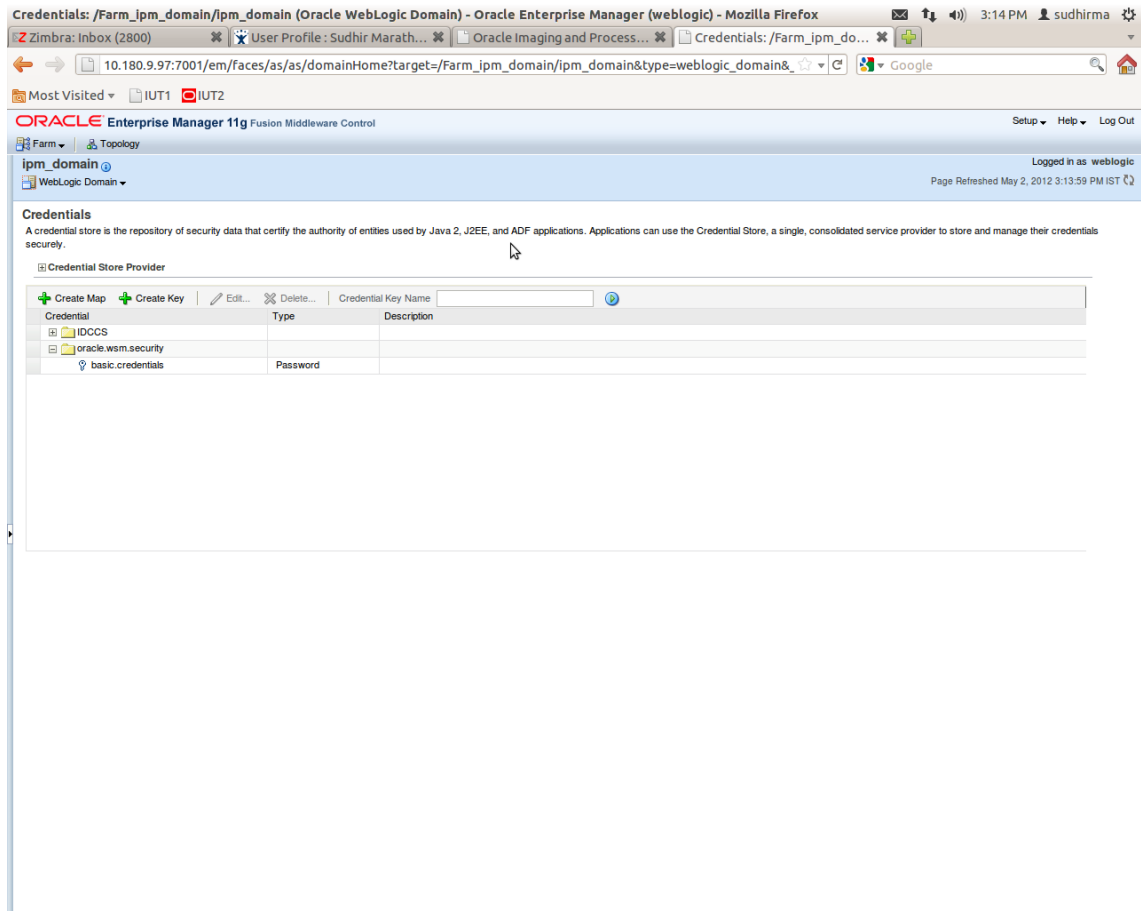
Figure 10–39 Create Key basic.credentials



7. In the **Key** field enter the key name as basic.credentials.
8. In the **Type** field, select the value as Password.
9. Enter the other required details.

10. Click **Ok**. The key is saved.

Figure 10–40 ipm_domain: Credentials Created



10.2.3 Setting up Input Agent Path

To set up input agent path:

1. Log in to Enterprise Manager (EM) console.
2. In the Name section, under Weblogic domain, click **ipm domain**.
3. In the top menu, click Weblogic Domain. The corresponding menu appears.
4. Navigate to the domain System MBean Browser. The System MBean Browser page appears.

Figure 10–41 Navigate to Weblogic Domain --> System MBean Browser

The screenshot shows the Oracle Enterprise Manager 11g Fusion Middleware Control interface. The browser address bar indicates the URL: 10.180.9.97:7001/em/faces/as/as/domainHome?target=/Farm_ipm_domain/ipm_domain&type=weblogic_domain&... The page title is "/Farm_ipm_domain/ipm_domain (Oracle WebLogic Domain) - Oracle Enterprise Manager (weblogic) - Mozilla Firefox". The user is logged in as 'weblogic'.

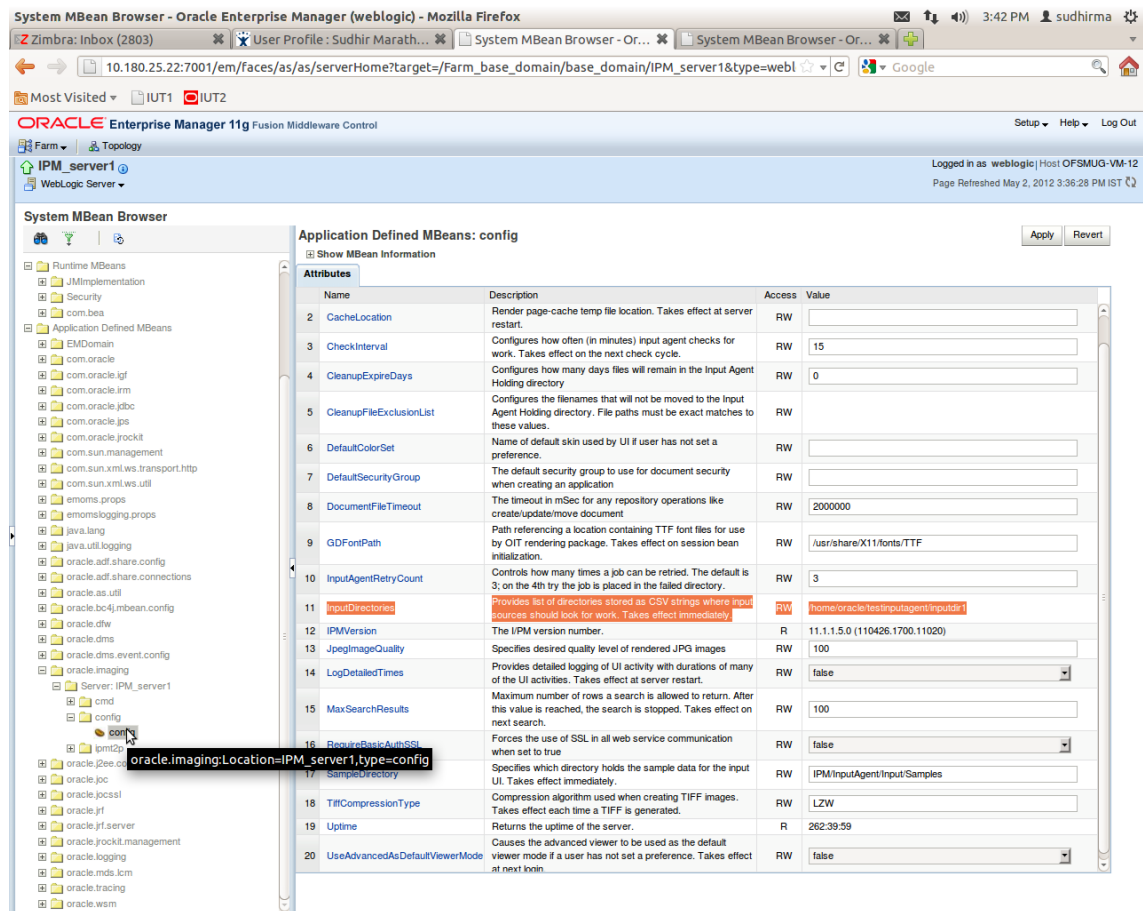
In the left-hand navigation pane, the 'System MBean Browser' option is highlighted. The main content area displays a summary of the WebLogic Domain, including a status indicator showing 100% Up (3) and 0% Down (3). Below this, a table lists the domain components:

Host	Cluster	Listen Port	Active Sessions	Request Processing Time (ms)	Bear Accesses (per minute)
AdminServer	OFSMUC	7001	3	374	0.00
IBR_server1	Unavailat	Unavailat	Unavailat	Unavailat	Unavailat
IPM_server1	OFSMUC	16000	50	96	1.18
SSXA_server1	Unavailat	Unavailat	Unavailat	Unavailat	Unavailat
UCM_server1	OFSMUC	16200	0	0	0.00
URM_server1	Unavailat	Unavailat	Unavailat	Unavailat	Unavailat

Below the table, the 'Oracle WebLogic Domain Resource Center' is visible, containing sections for 'Before You Begin', 'Typical Administration Tasks', and 'Other Resources'.

- In the left hand pane, navigate to **Application Defined MBeans > oracle.imaging > Server: IPM_server1 > config**.
- For the attribute InputDirectories, in the **Value** column enter the value to set the path for input agents.

Figure 10–42 InputDirectories: Enter Input Agent Path



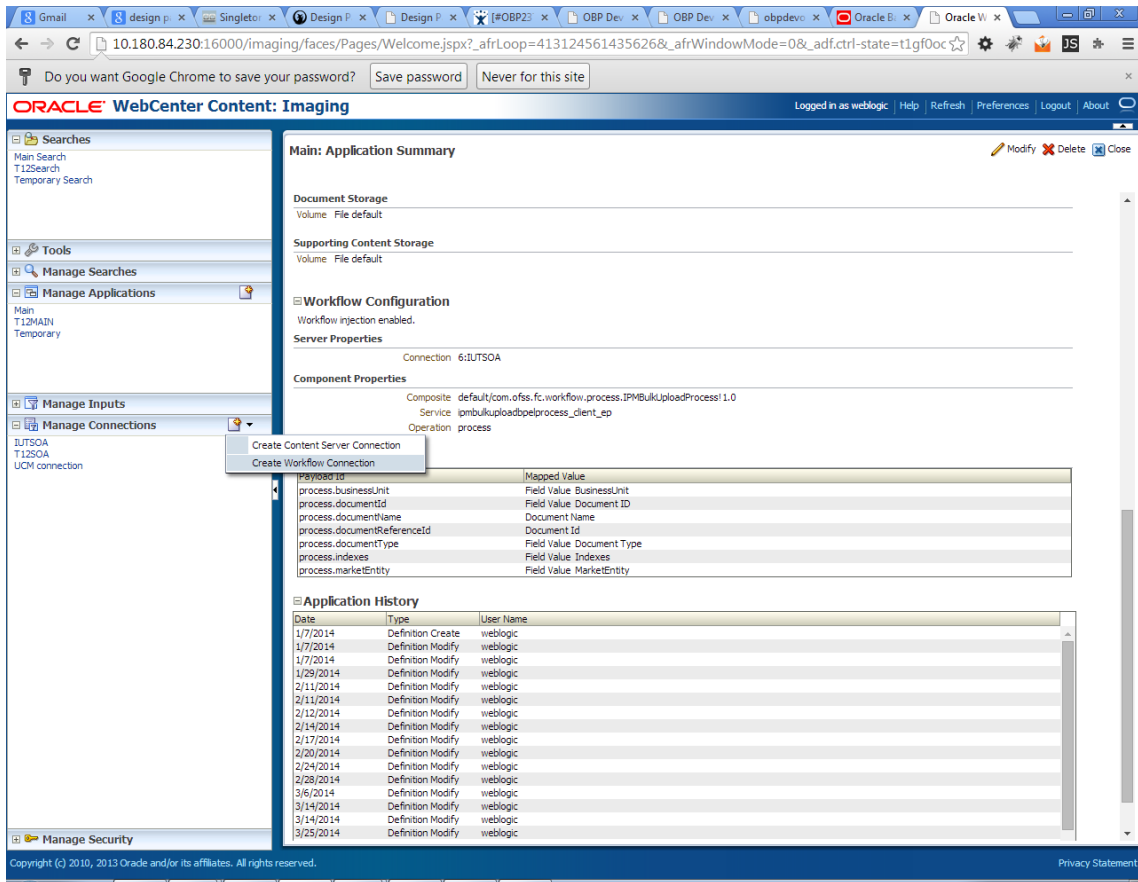
7. Restart IPM server.

10.2.4 Create SOA Connection

To create a SOA Connection:

1. Log in to Image Processing Management (IPM).
2. Navigate to the Manage Connections section.

Figure 10–43 Manage Connections: Create Workflow Connection



3. Click **Create Workflow Connection**.

Workflow Connection is used to point to the "IPMBulkUpload" BPEL process deployed on the SOA server as part of the SOA media pack installation process.

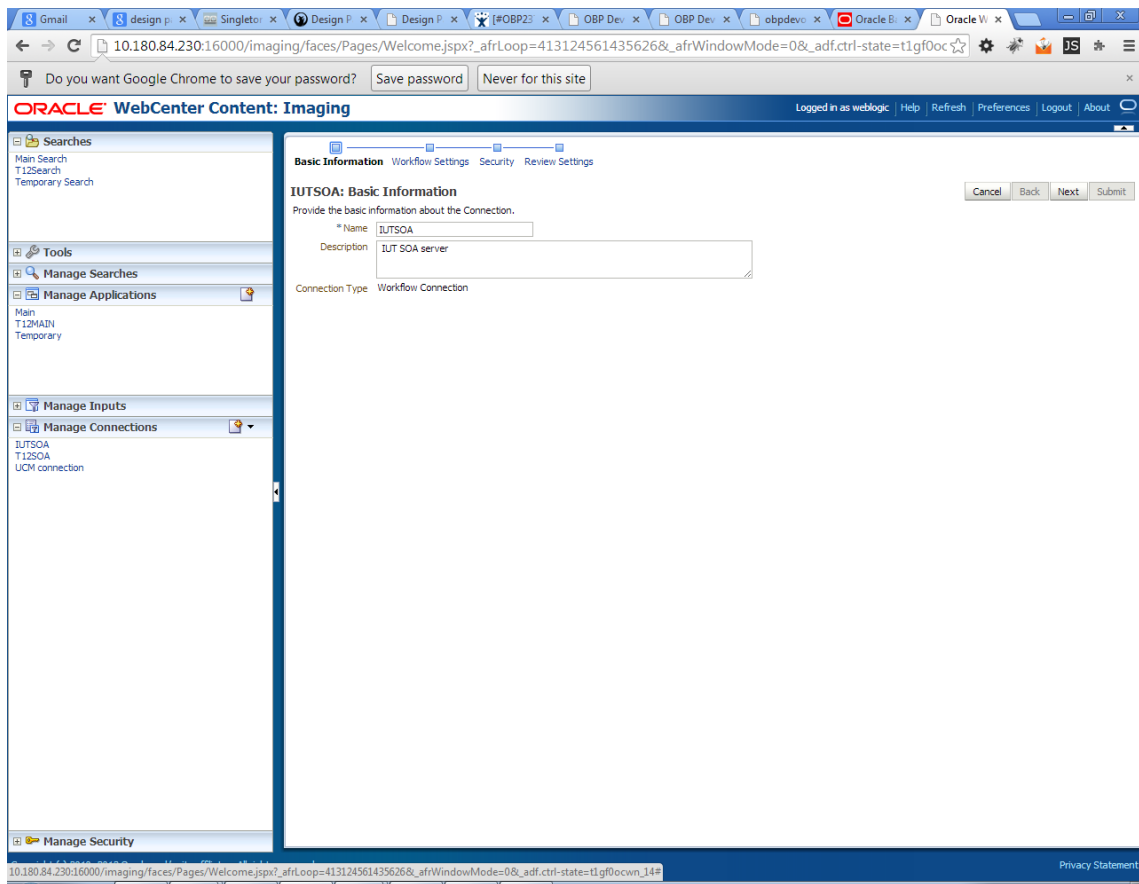
OBP_IPM_SOA_CONN_NAME

SOA_MANAGED_SERVER_LISTEN_ADDRESS

SOA_MANAGED_SERVER_LISTEN_PORT

4. In the **Name** field, enter the name for SOA Connection as IUTSOA.

Figure 10–44 IUTSOA: Basic Information



5. In the **HTTP Front End Address** field, enter the value for SOA server.

Figure 10–45 IUTSOA: Workflow Settings

ORACLE WebCenter Content: Imaging

Basic Information **Workflow Settings** Security Review Settings

IUTSOA: Connection Settings

Configure the workflow server specific settings.

* HTTP Front End Address

* Credential Alias

Provider

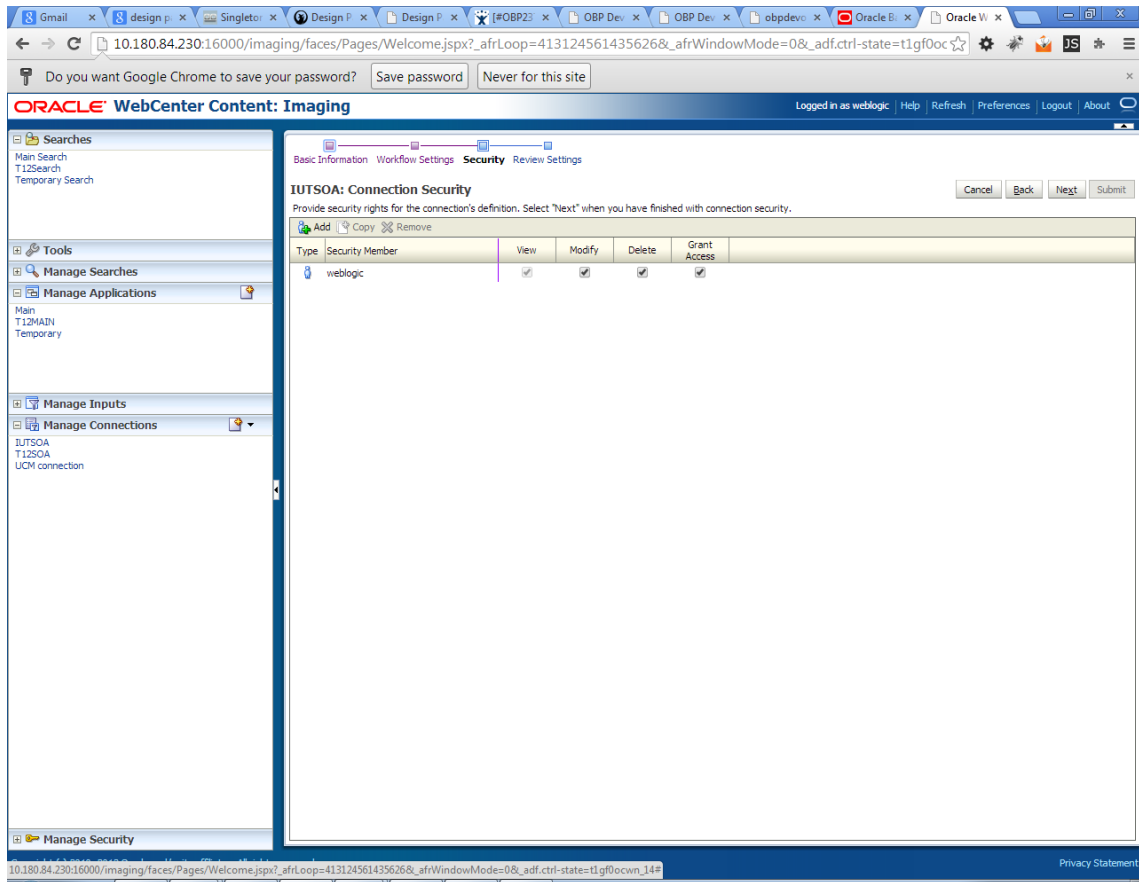
Cancel Back Next Submit

Test Connection

Composite Name	Revision
No composites found	

6. In the **Credential Alias** field, enter the value as **basic.credentials**.
7. Click **Next** to proceed. The Connection Security page appears.

Figure 10–46 IUTSOA: Connection Security



8. Provide the requisite security rights to the connection's definition.
9. Click **Submit**.
10. Click **Next**. The Review Settings page appears.

Figure 10–47 IUTSOA: Review Settings

The screenshot shows the Oracle WebCenter Content: Imaging interface. The main content area displays the 'IUTSOA: Connection Summary' page. The page is organized into several sections:

- Basic Information:** Name: IUTSOA, Description: IUT SOA server, Connection Type: Workflow Connection.
- Connection Settings:** HTTP Front End Address: https://10.180.84.92:8002, Credential Alias: basic.credentials, Provider.
- Security:** A table showing security members and their permissions.
- Audit History:** A table showing the history of actions performed on the connection.

Type	Security Member	View	Modify	Delete	Grant Access
	weblogic	✓	✓	✓	✓

Date	Type	User Name
1/7/2014	Definition Create	weblogic
3/21/2014	Definition Modify	weblogic

10.2.5 Manage Workflow Configuration

To manage workflow configuration:

1. Log in to Image Processing Management (IPM).
2. Navigate to **Manage Applications** section.

Figure 10–48 Main: Application Summary

The screenshot displays the 'Main: Application Summary' page in the Oracle WebCenter Content: Imaging interface. The page is divided into several sections:

- General Properties:** Application Id 2, Application Name Main, Description Main Content Store, Repository UCM connection, Full-Text Option None.
- Field Definitions:** A table listing fields with their types, names, lengths, scales, required status, indexed status, default values, and picklist options.
- Application Security:** A table showing security members and their permissions for View, Modify, Delete, and Grant Access.
- Document Security:** A table showing security members and their permissions for View, Write, Delete, Grant Access, Lock Admin, Annotate Standard, Annotate Restricted, and Annotate Hidden.

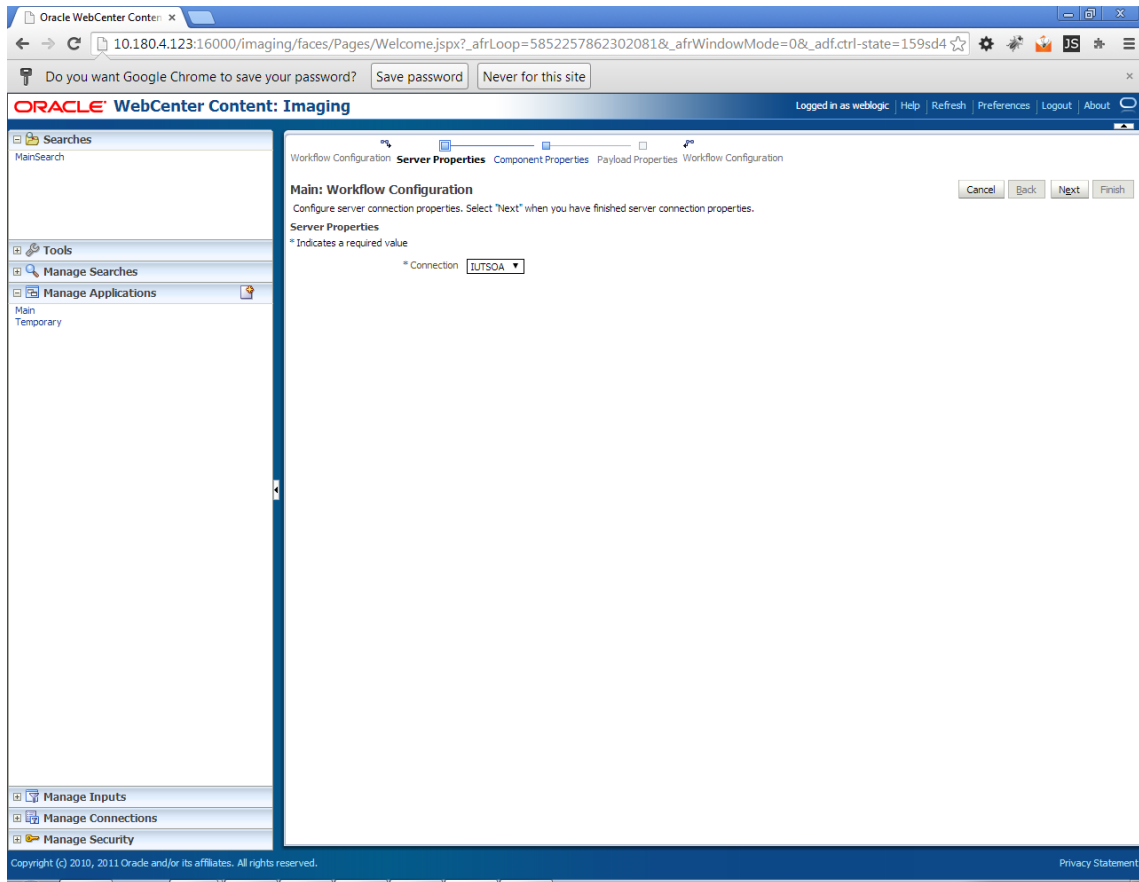
Type	Name	Length	Scale	Required	Indexed	Default Value	Picklist
Abc	Document Type	80			✓		
Abc	Customer Id	80			✓		
Abc	Document ID	80			✓		
Abc	Document Descri...	80			✓		
Abc	SUBMISSION	80			✓		
Abc	APPLICATION	80			✓		
Abc	COLLATERAL	80			✓		
Abc	PARTY	80			✓		
Abc	FACILITY	80			✓		
Abc	PRODUCT_GROUP...	80			✓		
Abc	COLLATERALVALU...	80			✓		
Abc	COLLATERALTITL...	80			✓		
Abc	ID	80			✓		
Abc	CUSTOMER_CONT...	80			✓		
Abc	COLLATERAL ID	80			✓		
Abc	COLLATERALVALU...	80			✓		
Abc	INSTRUMENTTYPE	80			✓		
Abc	ACCOUNT_ID	80			✓		
Abc	COLLATERALTITL...	80			✓		
Abc	CHARGE CODE	80			✓		

Type	Security Member	View	Modify	Delete	Grant Access
	weblogic	✓	✓	✓	✓

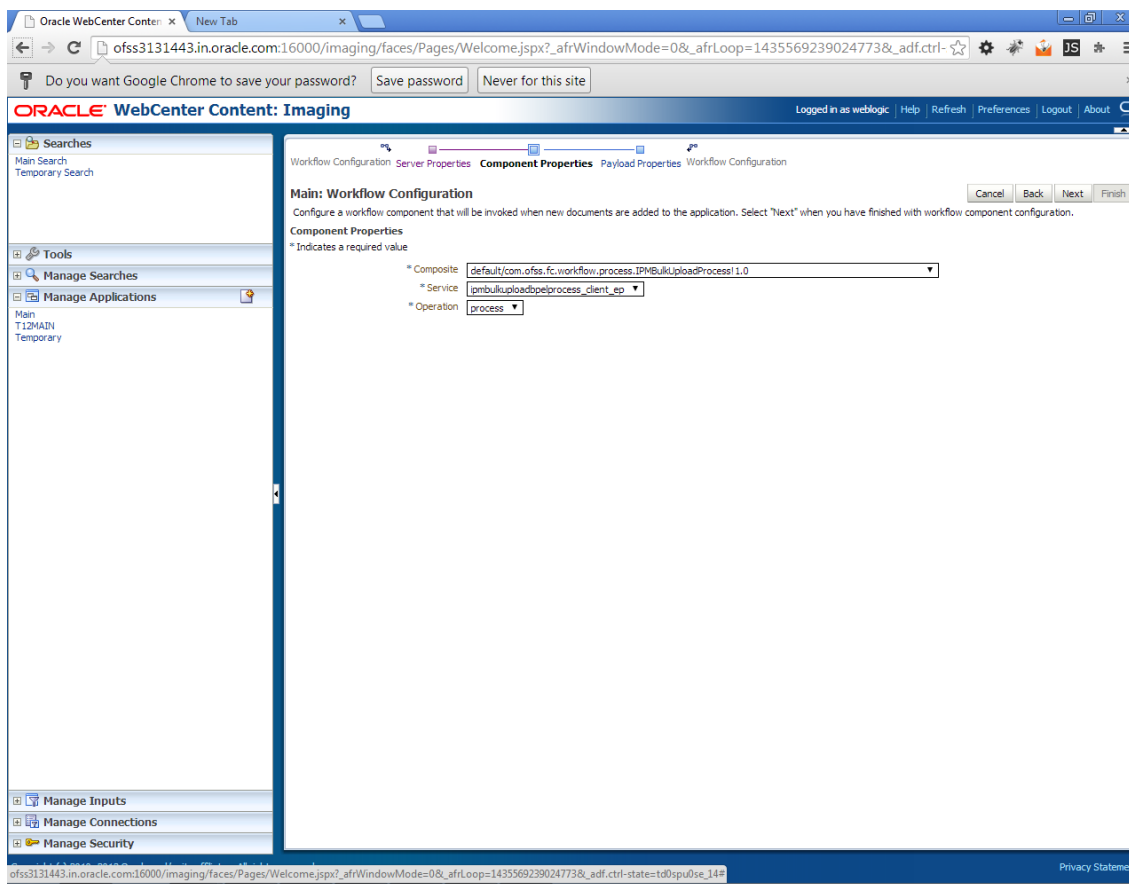
Type	Security Member	View	Write	Delete	Grant Access	Lock Admin	Annotate Standard	Annotate Restricted	Annotate Hidden
	Administrators	✓	✓	✓	✓		✓	✓	✓
	Operators	✓							

3. Select the application for which workflow configuration has to be done as shown in Figure 10–48.
4. Click **Modify**.
5. Navigate to the Workflow Configuration section.
6. Click the **Add/Modify** button.
7. In the Server Properties section, select the connection (IUTSOA) which was created in **Manage Connections** section from the **Connection** list.

Figure 10–49 Manage Applications - Server Properties



8. Click **Next**.
9. In the Component Properties section, select the Composite, Service and Operation values.
10. From the Composite list, select default/com.ofss.fc.workflow.process.IPMBulkUploadProcess!1.0 from the list of process.
11. From the Service list, select ipmbulkuploadbpelprocess_client_ep.
12. From the **Operation** list, select **process**.

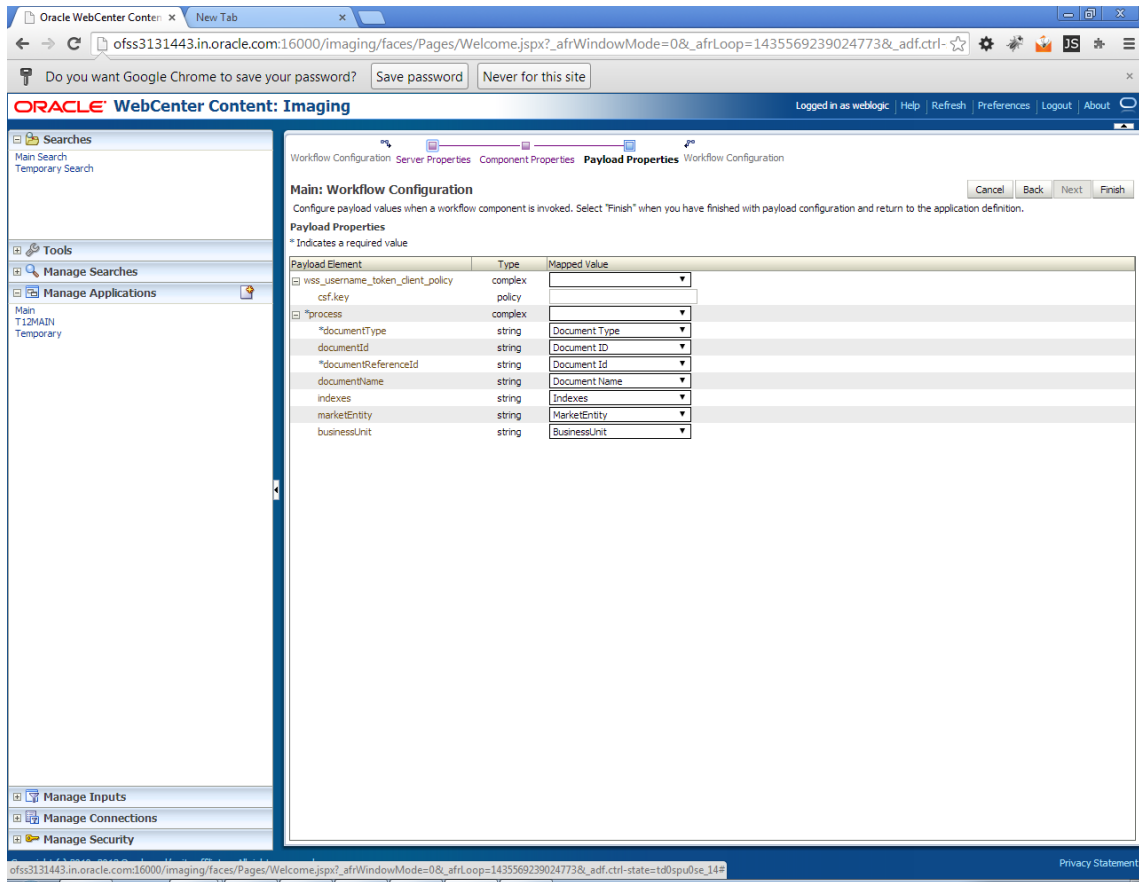
Figure 10–50 Manage Applications - Component Properties

13. Click **Next**.
14. In the Payload Properties section, map the payload elements with mapped value as shown in following figure.
15. Map the process fields with application field definitions.

Note

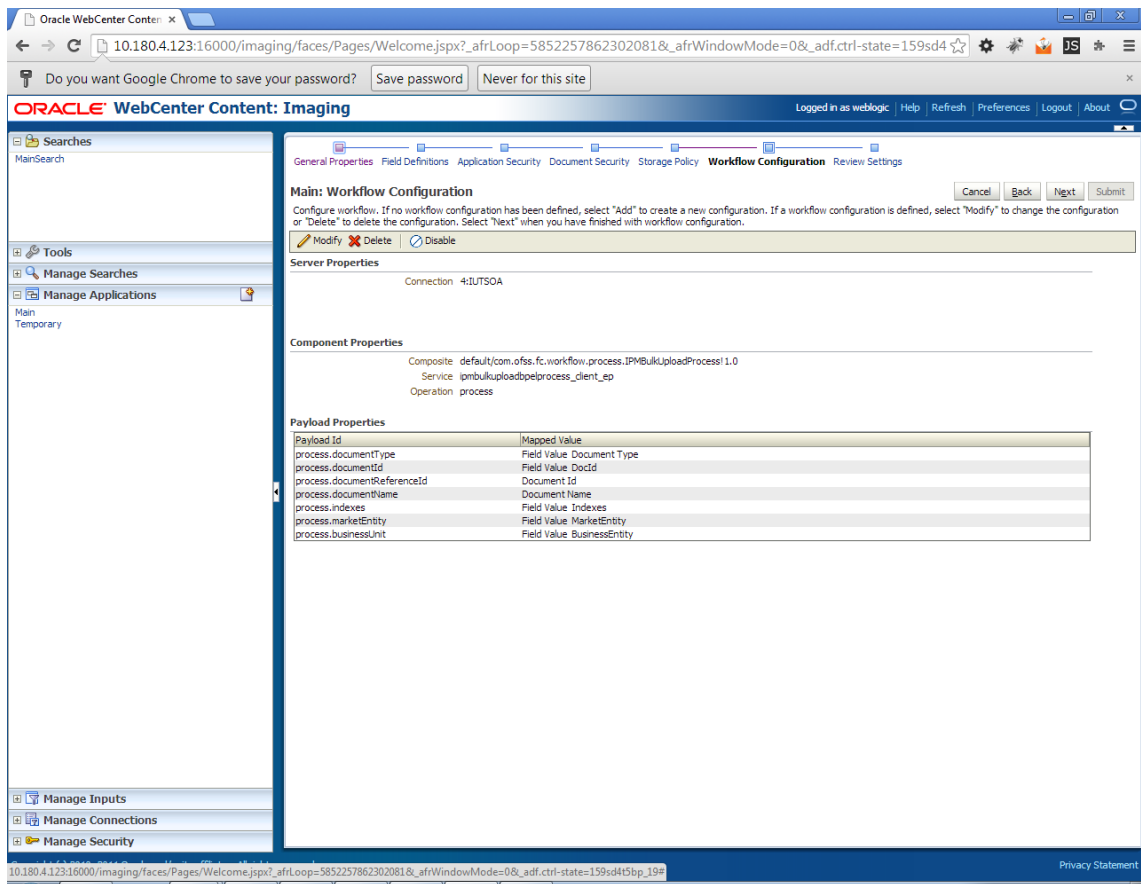
The document Referenceld is mapped to Document Id (IPM internal field), whereas documentId is mapped to doc Id which is application field.

Figure 10–51 Manage Applications - Payload Properties



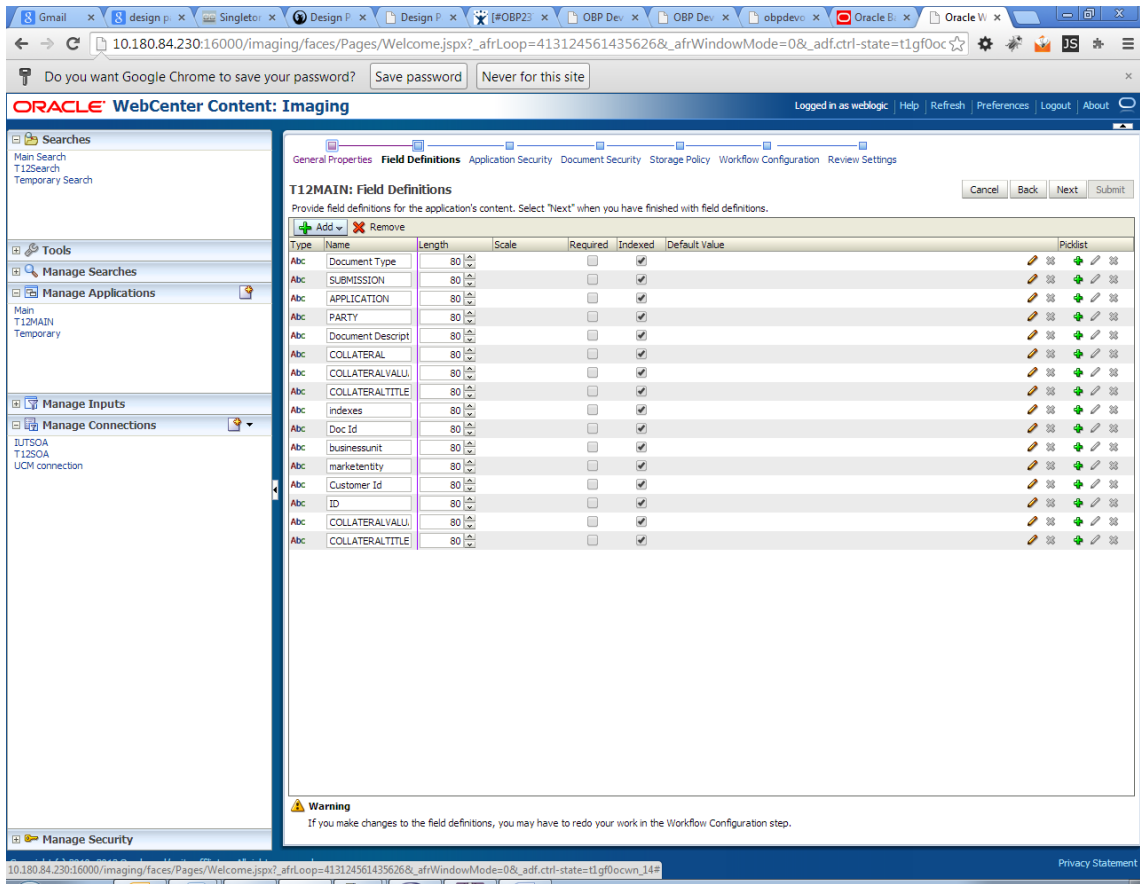
16. Click **Next**.
17. Complete the Workflow Configuration. Click **Next**.

Figure 10–52 Manage Applications - Workflow Configuration



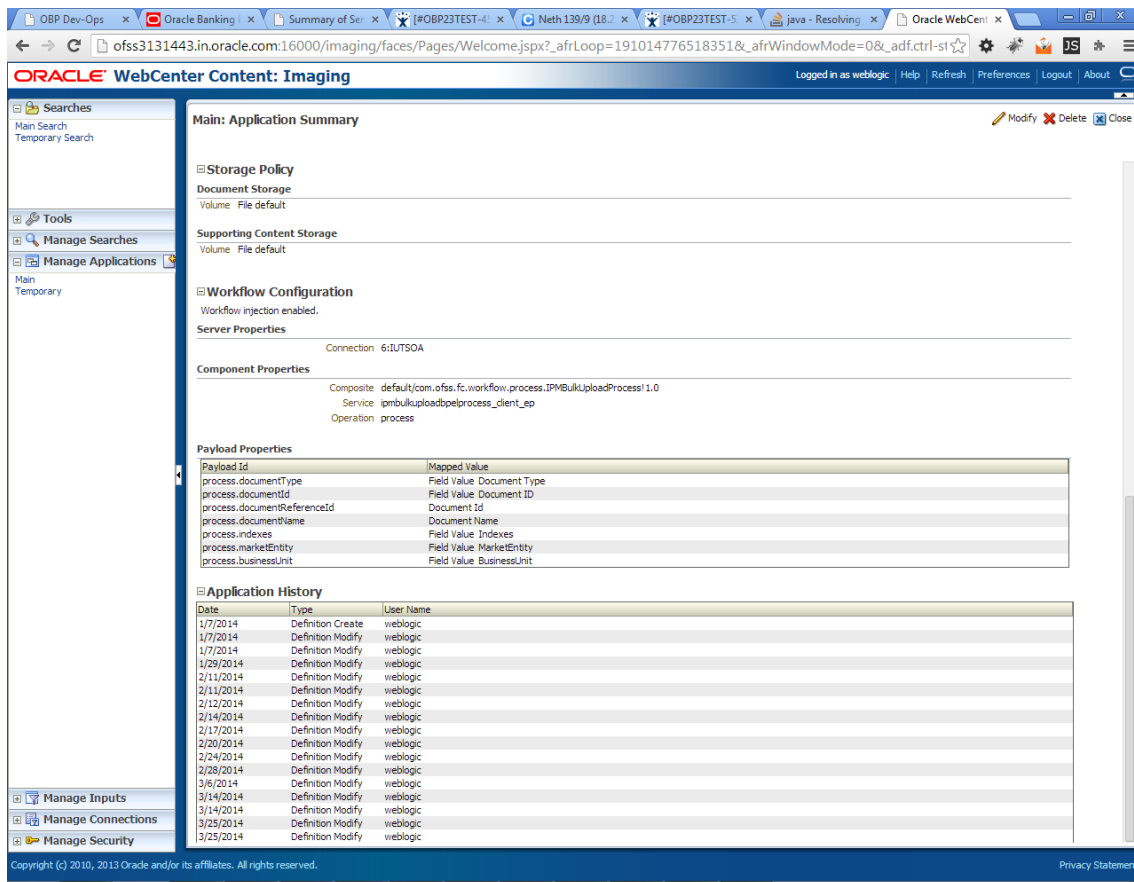
18. Add all those fields which are not present in the application as shown below.

Figure 10–53 Field Definitions



The Main Application Summary appears as shown Figure 10–54.

Figure 10–54 Main: Application Summary



10.2.6 Manage Inputs for Input Agents

To manage workflow configuration:

1. Log in to Image Processing Management (IPM).
2. Navigate to **Manage Inputs** section.

Figure 10–55 Input Agent: Basic Information

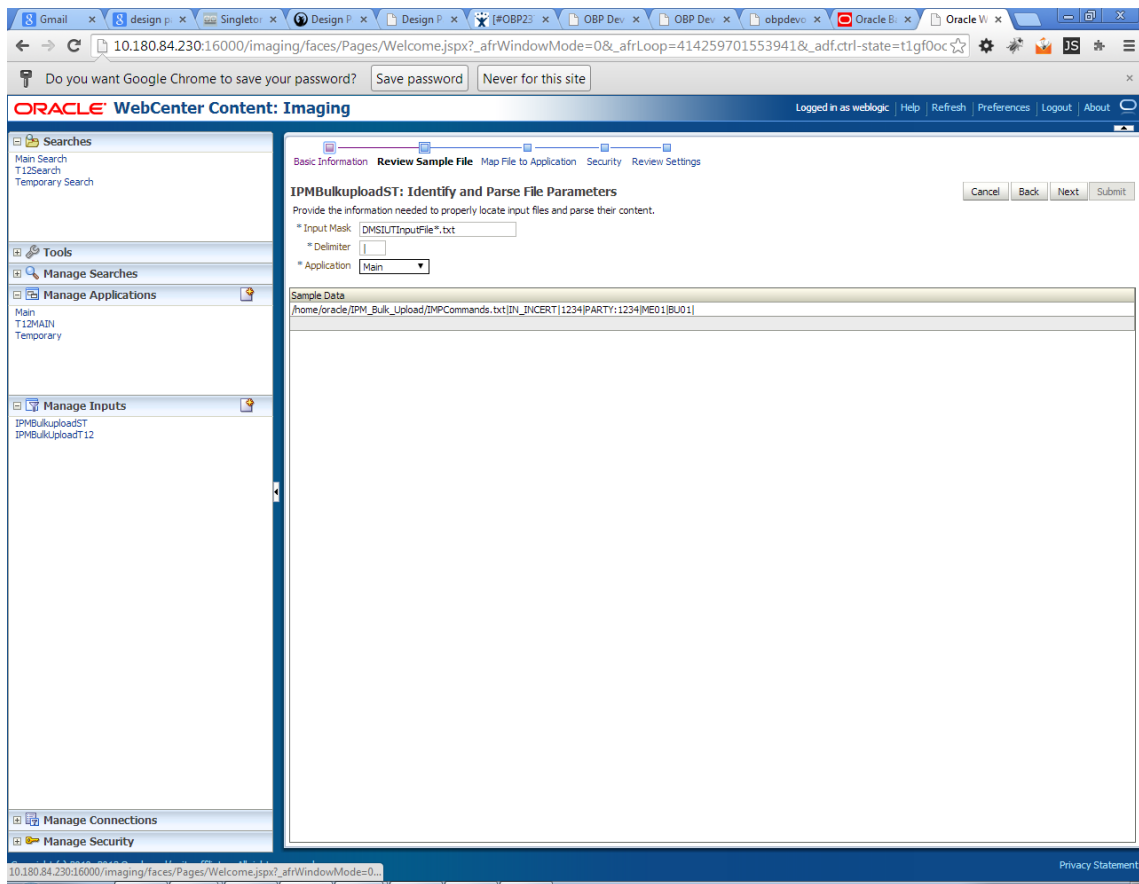
The screenshot displays the Oracle WebCenter Content: Imaging web application. The browser address bar shows the URL: 10.180.84.230:16000/imaging/faces/Pages/Welcome.jspx?_afWindowMode=0&_afLoop=414259701553941&_adf.ctrl-state=t1gf0oc. The page title is 'ORACLE WebCenter Content: Imaging'. The user is logged in as 'weblogic'. The main content area is titled 'Basic Information' and contains the following fields and options:

- Name:** IPMBulkuploadST
- Description:** (Empty text area)
- Online:**
- Auto-detect input file character set:**
- Sample File:** DMSInputFile.txt, with 'Upload' and 'Browse' buttons.

Navigation buttons at the top right include 'Cancel', 'Back', 'Next', and 'Submit'. The left sidebar contains a tree view with categories: Searches, Tools, Manage Searches, Manage Applications, Manage Inputs (containing IPMBulkuploadST and IPMBulkuploadT12), Manage Connections, and Manage Security. A 'Create Input' button is visible next to the 'Manage Inputs' section.

3. Define an input agent by entering a **Name**. For example, **bulkUploadInput**.
4. Define Input Mask as **DMSInputSampleFile.txt**.

Figure 10–56 Input Agent: Input Mask



5. Upload the attached sample file.

For example, name the sample file as DMSInputSampleFile.txt and add the following content to the sample file.

```
/home/oracle/IPM_Bulk_Upload/IMPCommands.txt|IN_
INCERT|1234|PARTY:1234|ME01|BU01|
```

6. In the **Input Mask** field enter the value which should be the same as the name given in table flx_fw_config_all_b.

```
select prop_value from flx_fw_config_all_b where category_id = 'reports' and prop_id = 'BULK_
UPLOAD_FILE_NAME_PREFIX';
```

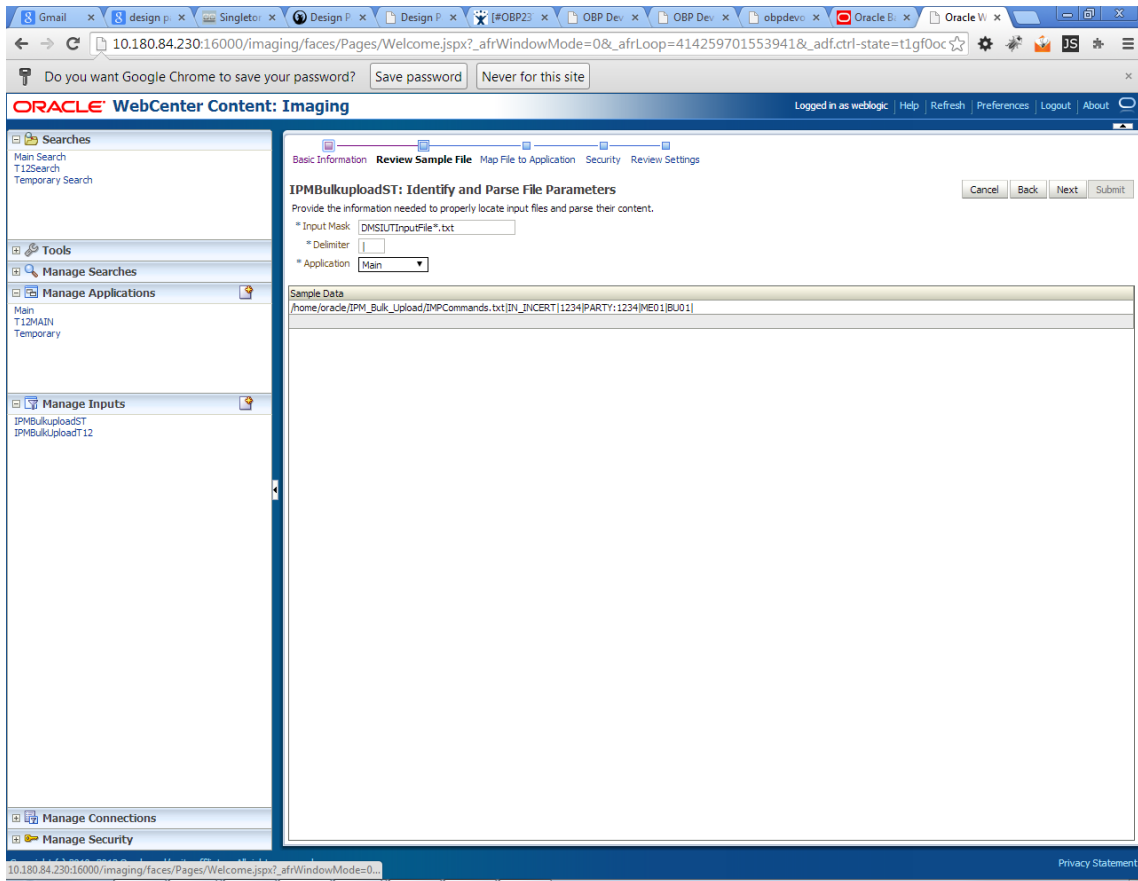
Note

Input Mask name should have a * (asterisk character) to enable the process to read all the files whose prefix is same as the input mask value.

7. In the **Delimiter** field, enter the delimiter value as | (vertical bar character).

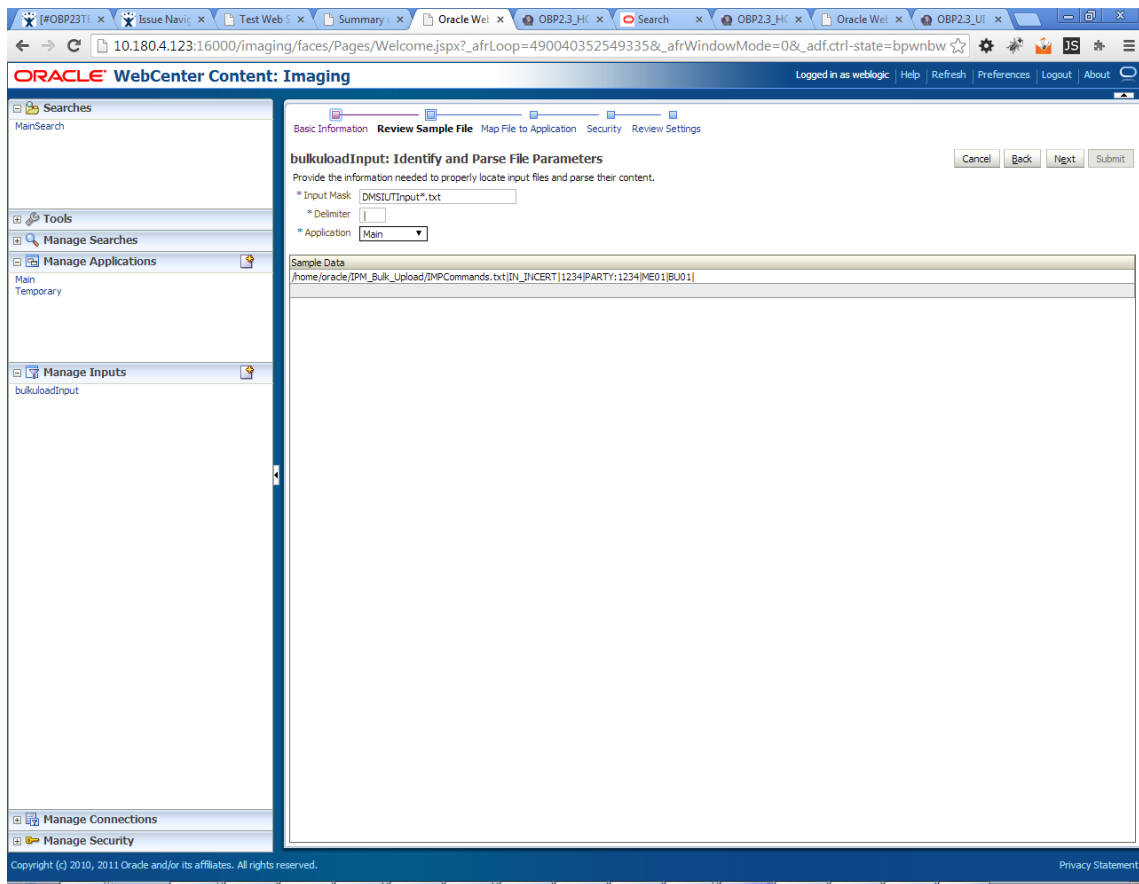
8. From the **Application** field, select the application to which the input agent will be applied.

Figure 10–57 Input Agent: File Parameters



9. In the Field Mapping section, map the **Application Fields**.

Figure 10–58 Input Agent: Fields Mapping



10. After completion of the procedure, the Input Summary appears. The Input agent should have the settings similar to those shown in Figure 10–59.

Figure 10–59 Input Agent: Summary

Note

Do not forget to toggle online, else the input agent will not pick up any file for processing.

10.2.7 Additional Steps

1. Update user and bankcode as follows:

```
update flx_fw_config_all_b set prop_value='48' where prop_value='335' and category_id like 'contentmanager%';
update flx_fw_config_all_b set prop_value='ofssuser' where prop_id='userId' and category_id like 'contentmanager%';
```

2. In the flx_fw_config_all_b table, the values for **PROP_ID** should be the same as mentioned for the path in IPM server.

Table 10–1 PROP ID Values

PROP_ID	PROP_VALUE
FTPSEVER.DMSFILEPATH=/scratch/ofssobp/testinputagent/inputdir1/	Path in IPM config
FTPSEVER.REPORTPATH=/scratch/reports/	Path where files will be FTP
FTPSEVER.HOST	IPM IP
BULK_UPLOAD_FILE_NAME_PREFIX	Input Mask name given in 1.5 Manage Inputs for Input Agents section.

Figure 10–60 flx_fw_config_all_b table

The screenshot shows the Oracle SQL Developer interface with a query executed in the Worksheet. The query is: `select * from flx_fw_config_all_b where category_id = 'reports';` The Query Result pane displays the following data:

PROP_ID	CATEGORY_ID	PROP_VALUE	FACTORY_SHIPPE
1 BULK_UPLOAD_FILE_NAME_PREFIX	reports	DMSIUTInputFile	Y
2 FILE_TRANSFER_PROTOCOL	reports	1	Y
3 FLG_ABORT_ON_FAILED_REPORT	reports	true	Y
4 FTPSEVER.DMSFILEPATH	reports	/scratch/ofssobp/testinputagent/inputdir1/	Y
5 FTPSEVER.HOST	reports	{ipm.server.name}	Y
6 FTPSEVER.REPORTPATH	reports	/scratch/ofssobp/testinputagent/	Y
7 HOST_REPORT_OCF	reports	jms/ORAOCF	Y
8 HOST_REPORT_REQ_Q	reports	jms/ReportRequestQ	Y
9 REPORT_CATEGORY_FOR_HEATH_CHECK	reports	E	Y
10 REPORT	reports	{fc.io.dir}/.../{default.legal.entity}/runarea/rjsout/	Y
11 REP_DEFAULT_DOCUMENT_IYPE	reports	BatchReport	Y
12 REP_DEFAULT_EVENT_ID	reports	DEFAULT_REPORT_EVENT	Y
13 UPLOAD_FILE_LOCATION	reports	{fc.io.dir}/.../{default.legal.entity}/runarea/rjsout/DMSInputFiles/	Y
14 reportTempPartPath	reports	\\deployables\product	Y

- FTP service on IPM server should be running and FTP user should be created on host user connectors.

10.2.8 SSL Handshake Resolution

For resolving the SSLHandshake between IPM and SOA server:

1. Save the SOA server Certificate. SOA certificate needs to be saved in Base64 (.cer) format for import to IPM server.
2. Import the SOA server certificate on IPM server with following command.

Copy certificate at following path on IPM server.

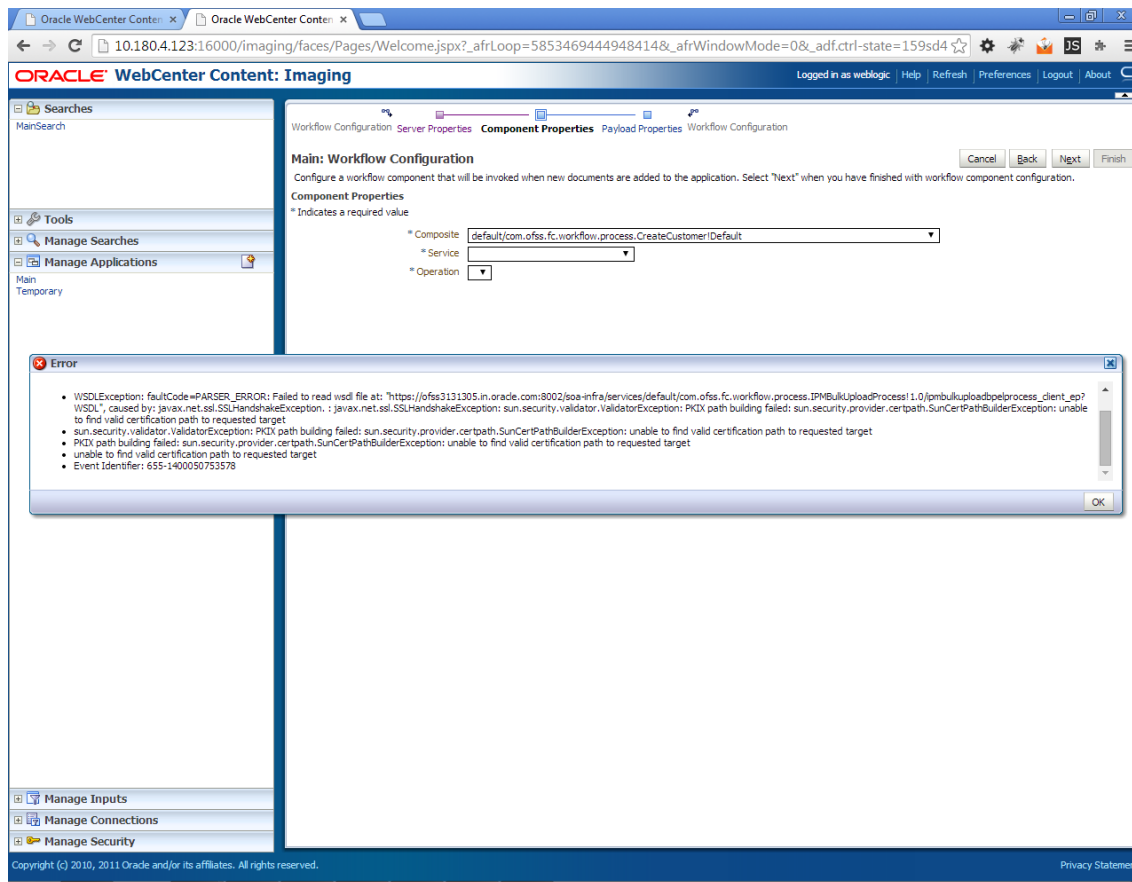
```
keytool -import -noprompt -trustcacerts -alias UI_SSL_trustself -file SOACert.cer -keystore cacerts -storepass changeit
```

3. Security policy for IPMbulkuploadProcess can be removed (if required).

Security for called method

com.ofss.fc.app.content.service.DocumentContentApplicationService.documentUpload (SessionContext, DocumentDTO) needs to be removed (for Development environment).

Figure 10–61 SSL Handshake Resolution



10.3 IPM Report Upload Setup

This section describes the configuration on IPM server, which is required for bulk report upload on IPM.

10.3.1 Prerequisites

Following are the prerequisites before proceeding with bulk upload process setup:

1. Application on IPM server on which bulk upload process needs to be configured must be created. For more information to understand the application creation process, see Image Processing and Management Admin Guide.
2. `com.ofss.fc.workflow.process.ReportIPMRefStoreProcess` must be deployed on SOA server.

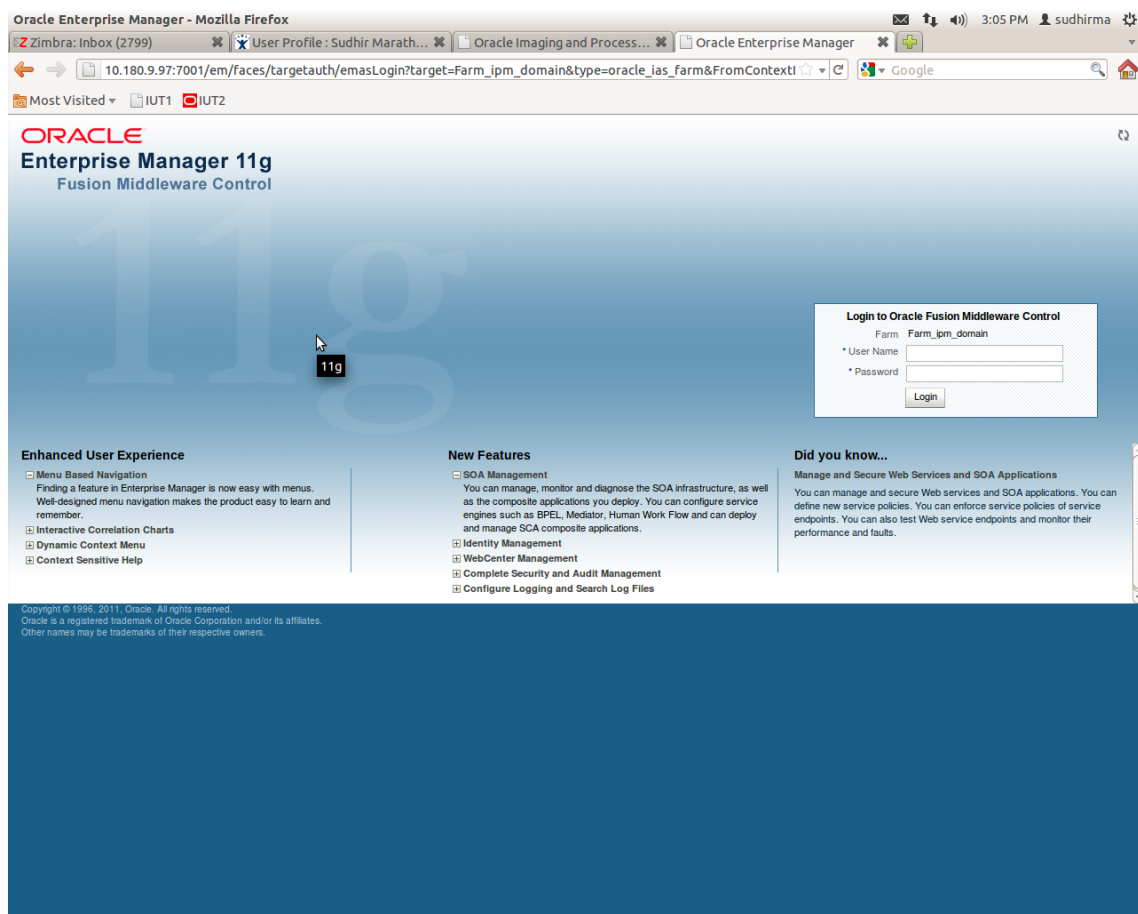
10.3.2 Setting up the Connection Name

To set up a bulk process we need to start by setting up the connection name, which is used as JNDI for IPM to BPEL connection.

To set up a bulk process:

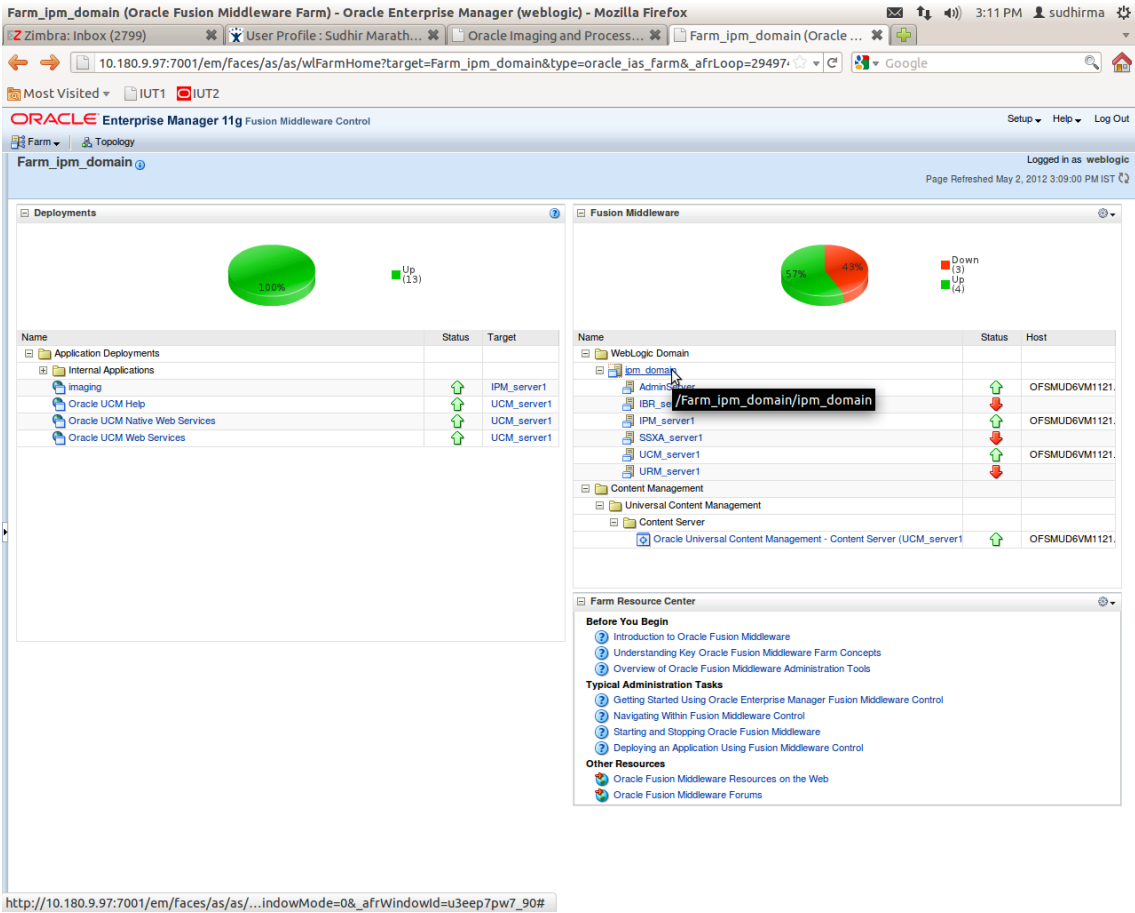
1. Log in to Enterprise Manager (EM) console.

Figure 10–62 Log in to Enterprise Manager (EM) console



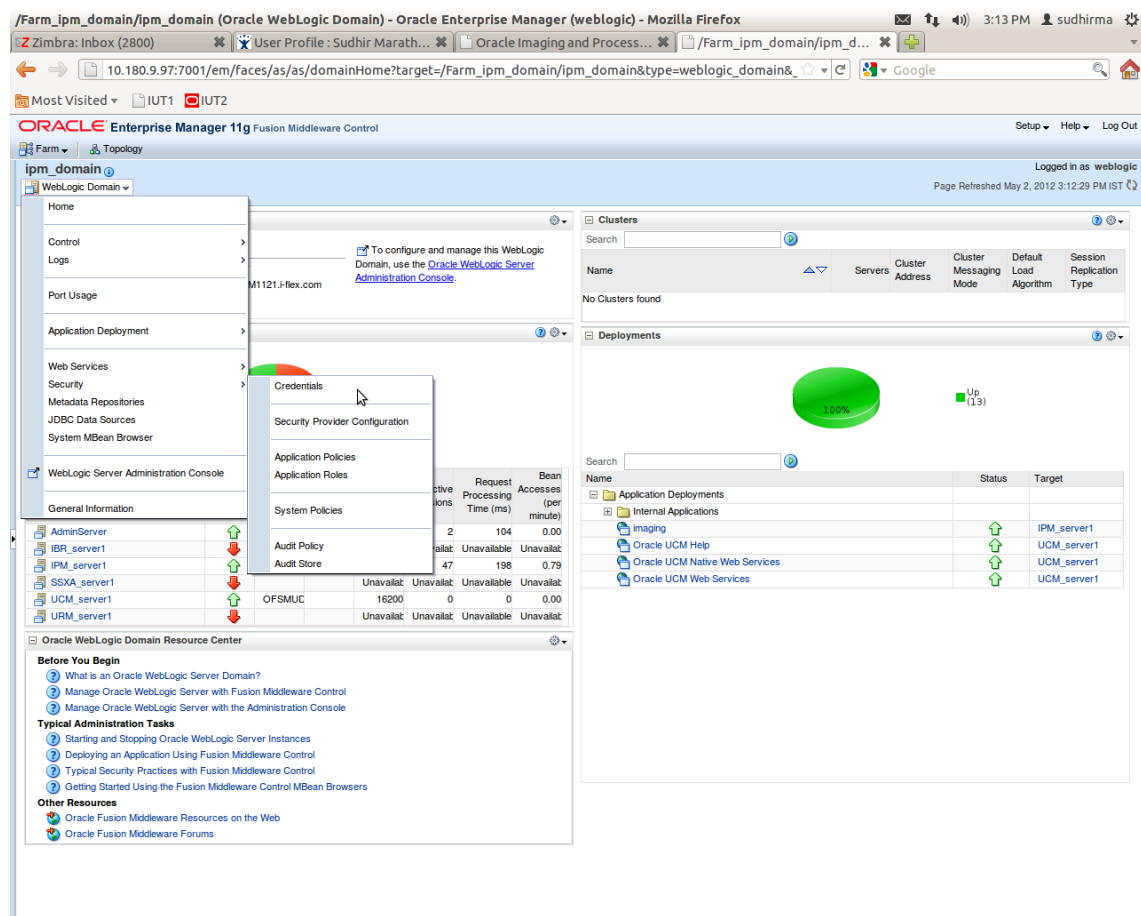
2. In the Fusion Middleware section, under Weblogic domain, click **ipm domain** (or base domain where ipm server is installed).

Figure 10–63 Click Weblogic Domain: ipm domain



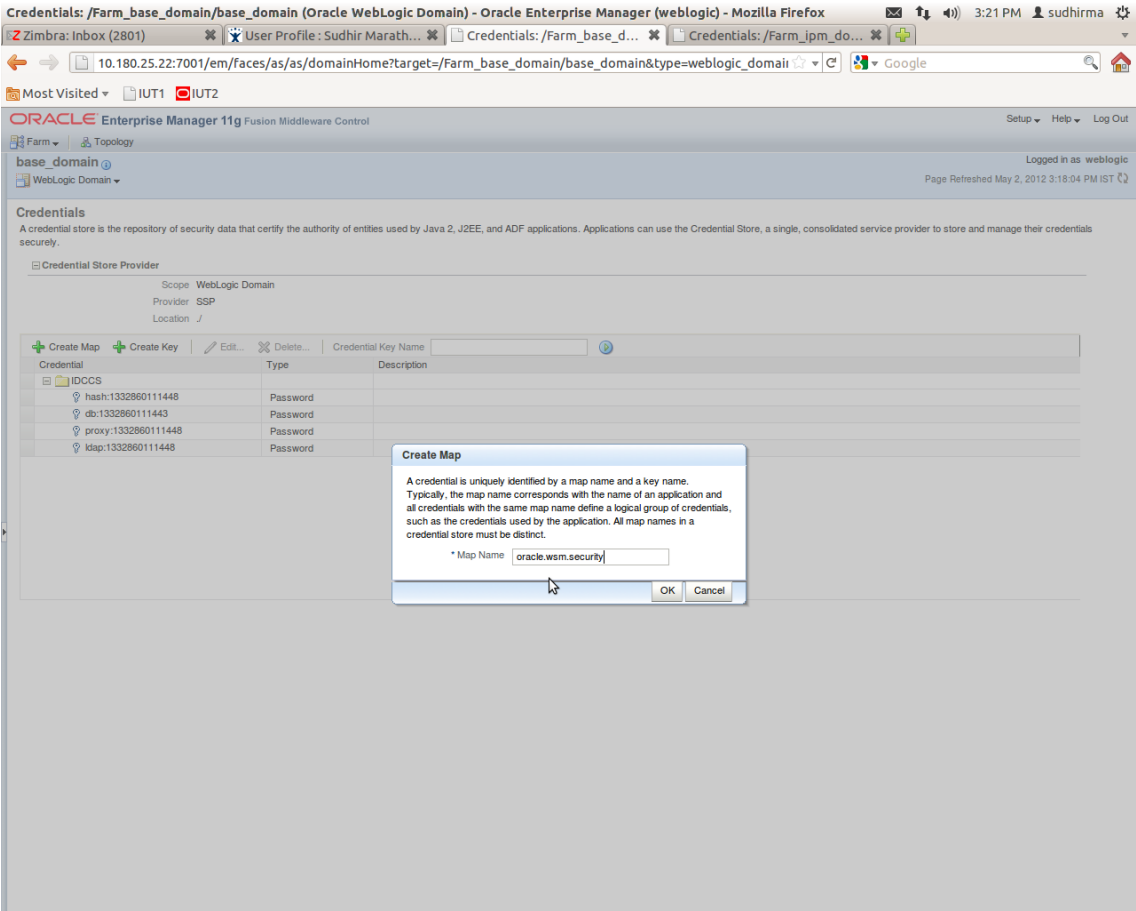
- 3. In the top menu, click **Weblogic Domain**. The corresponding menu appears.
- 4. Navigate to **Security > Credentials**. The Credentials page appears.

Figure 10–64 Navigate to Weblogic Domain --> Security --> Credentials

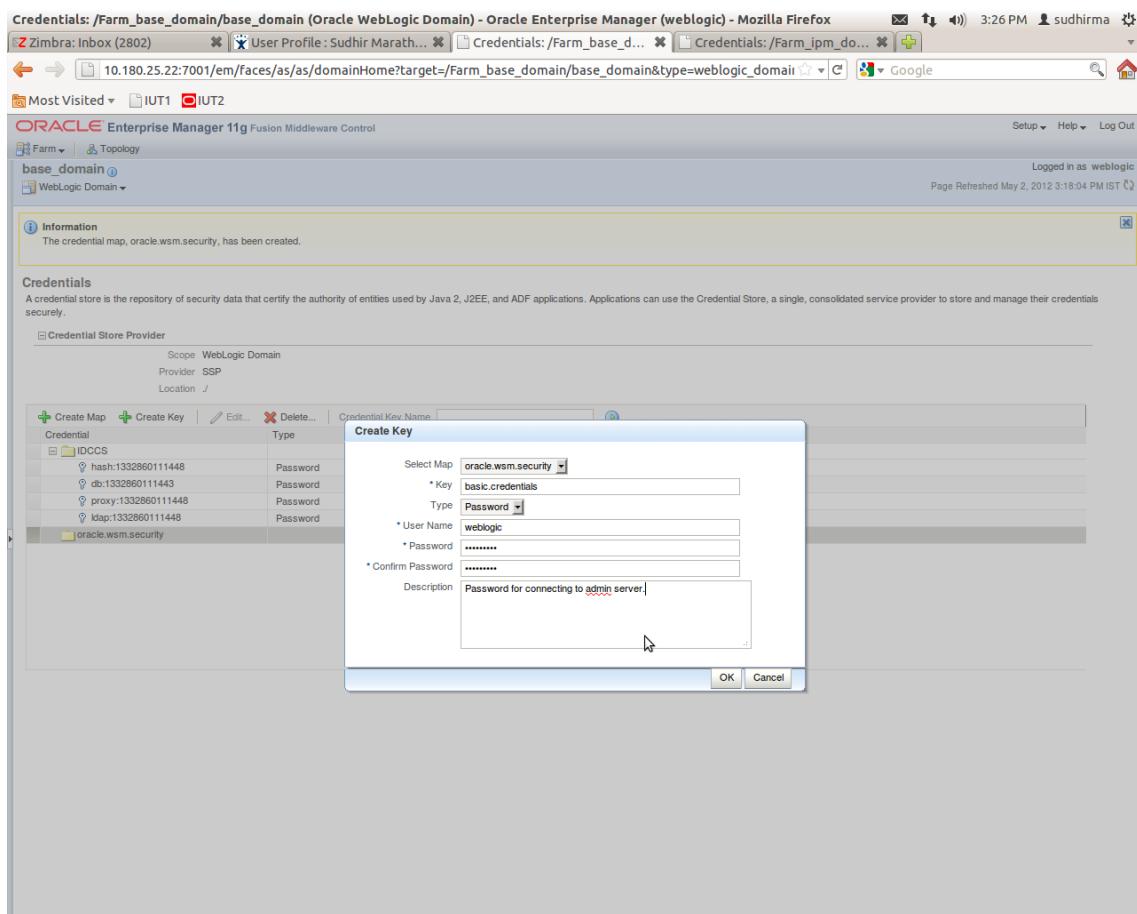


5. Click **Create Map** to create a map with the **Map Name** as **oracle.wsm.security**.

Figure 10–65 Create Map oracle.wsm.security

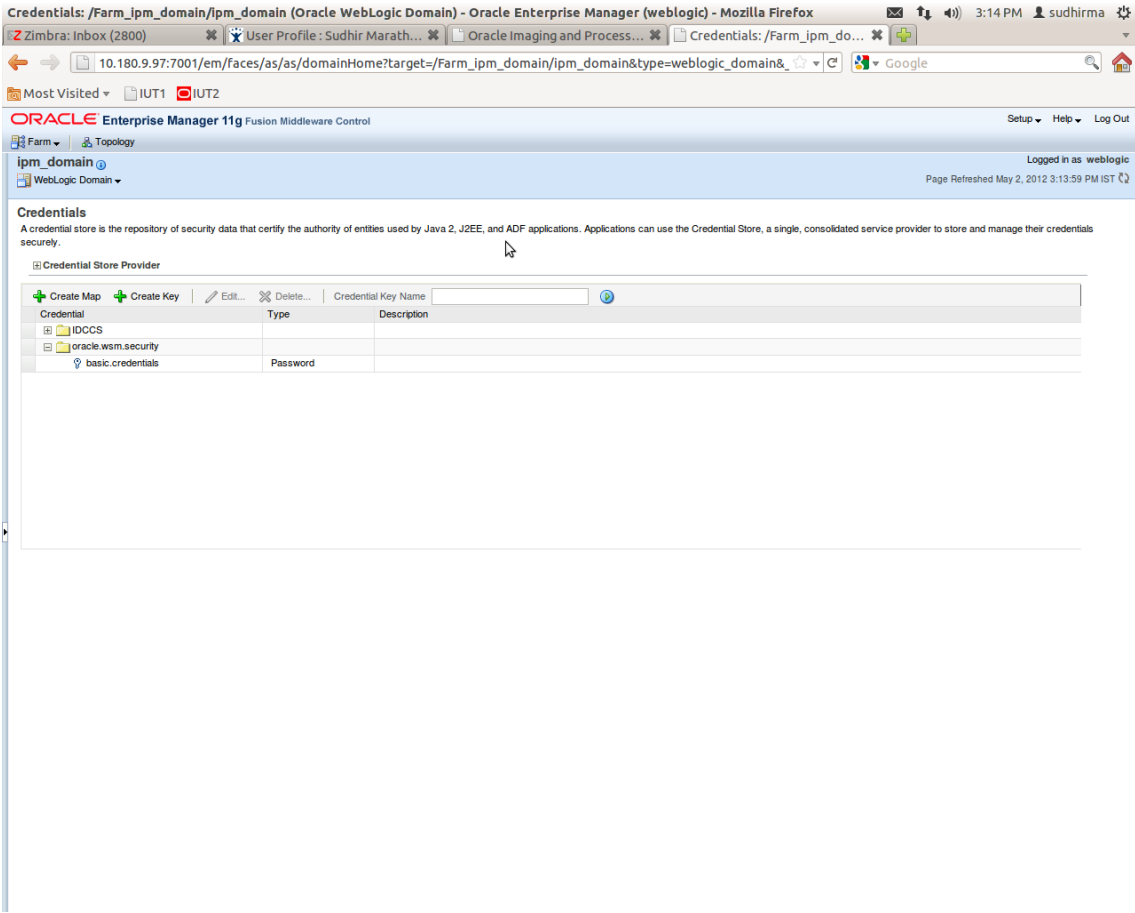


6. Click **Create Key** to create a key under the map `oracle.wsm.security`.

Figure 10–66 Create Key: basic.credentials

7. In the **Key** field, enter the key name as basic.credentials.
8. In the **Type** field, select the value as Password.
9. Enter the other required details.
10. Click **Ok**. The key is saved.

Figure 10–67 ipm_domain: Credentials Created



10.3.3 Setting up Input Agent Path

To set up input agent path:

1. Log in to Enterprise Manager (EM) console.
2. In the Fusion Middleware section, under Weblogic domain, click **ipm domain**.
3. In the top menu, click Weblogic Domain. The corresponding menu appears.
4. Navigate to the domain System MBean Browser. The System MBean Browser page appears.

Figure 10–68 Navigate to Weblogic Domain --> System MBean Browser

The screenshot shows the Oracle Enterprise Manager 11g Fusion Middleware Control interface. The left-hand navigation pane is expanded to show the path: **Application Deployment** > **Web Services** > **System MBean Browser**. The main content area displays a table of MBeans and their status.

Host	Cluster	Listen Port	Active Sessions	Request Processing Time (ms)	Bean Accesses (per minute)
	OFSMUC	7001	3	374	0.00
		Unavailable	Unavailable	Unavailable	Unavailable
	OFSMUC	16000	50	96	1.18
		Unavailable	Unavailable	Unavailable	Unavailable
	OFSMUC	16200	0	0	0.00
		Unavailable	Unavailable	Unavailable	Unavailable

Below the table, there is a section titled "Oracle WebLogic Domain Resource Center" with links for "Before You Begin", "Typical Administration Tasks", and "Other Resources".

5. In the left hand pane, navigate to **Application Defined MBeans > oracle.imaging > Server: IPM_server1 > config**.
6. For the attribute InputDirectories, in the **Value** column enter the value to set the path for input agents.
7. Change the highlighted path value to /scratch/ofssobp/testinputagent/inputdir1.

Figure 10–69 InputDirectories: Enter Input Agent Path

The screenshot shows the Oracle Enterprise Manager 11g System MBean Browser interface. The left pane displays a tree view of MBeans, with 'oracle.imaging:Location=IPM_server1,type=config' selected. The main pane shows the configuration for the 'InputDirectories' attribute, which is highlighted in red. The value is 'home/oracle/testinputagent/inputdir1'.

Name	Description	Access	Value
2	CacheLocation	RW	
3	CheckInterval	RW	15
4	CleanupExpireDays	RW	0
5	CleanupFileExclusionList	RW	
6	DefaultColorSet	RW	
7	DefaultSecurityGroup	RW	
8	DocumentFileTimeout	RW	2000000
9	GDFontPath	RW	/usr/share/X11/fonts/TTF
10	InputAgentRetryCount	RW	3
11	InputDirectories	RW	home/oracle/testinputagent/inputdir1
12	IPMVersion	R	11.1.1.5.0 (110426.1700.11020)
13	JpegImageQuality	RW	100
14	LogDetailedTimes	RW	false
15	MaxSearchResults	RW	100
16	RequireBasicAuthSSL	RW	false
17	SampleDirectory	RW	IPM/InputAgent/Input/Samples
18	TiffCompressionType	RW	LZW
19	Uptime	R	262:39:59
20	UseAdvancedAsDefaultViewerMode	RW	false

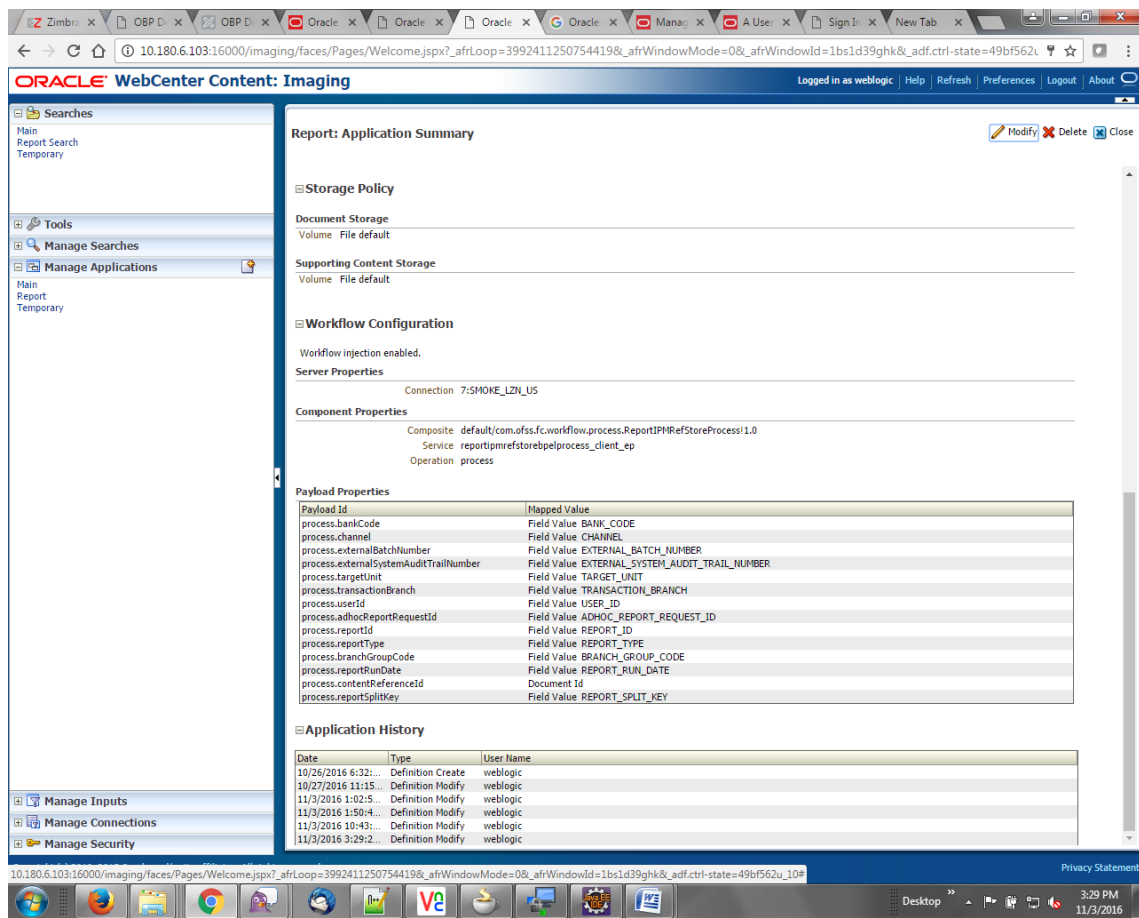
- Restart IPM server.

10.3.4 Create SOA Connection

To create a SOA Connection:

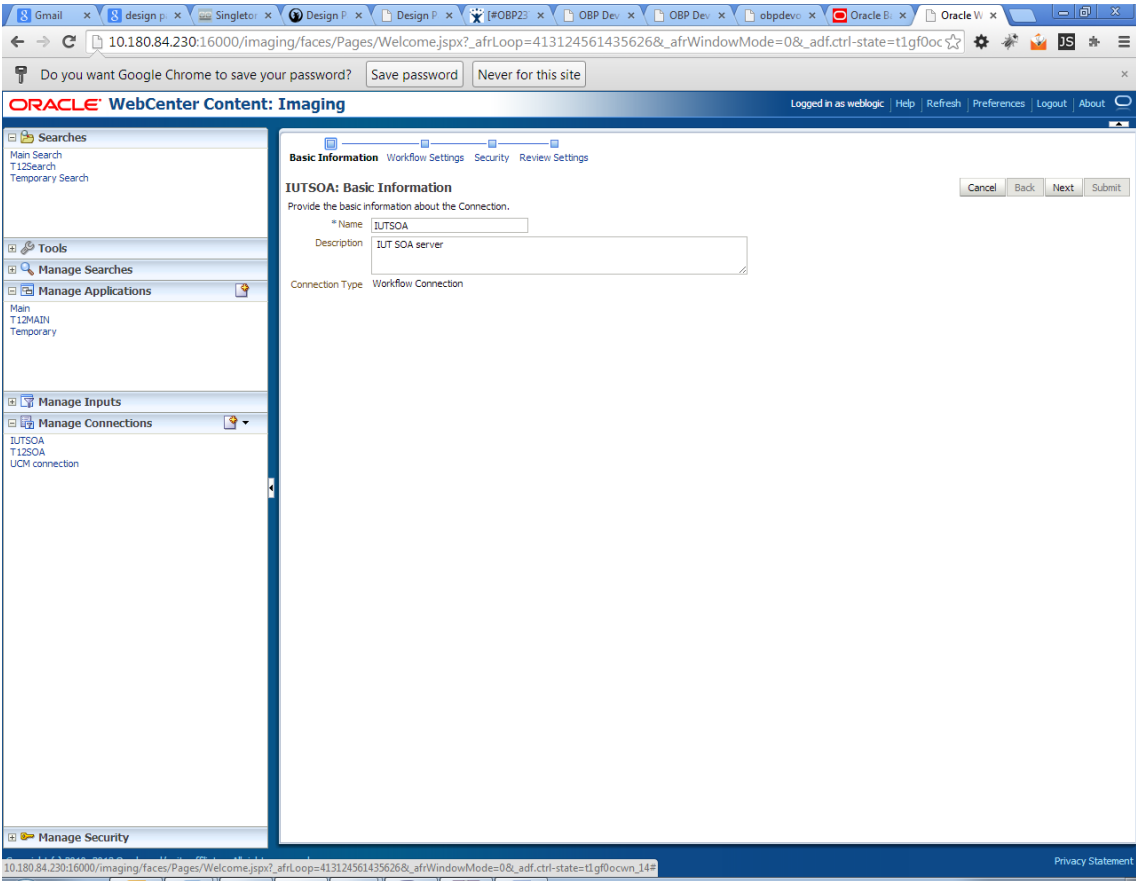
- Log in to Image Processing Management (IPM).
- Navigate to the Manage Connections section.

Figure 10–70 Manage Connections: Create Workflow Connection



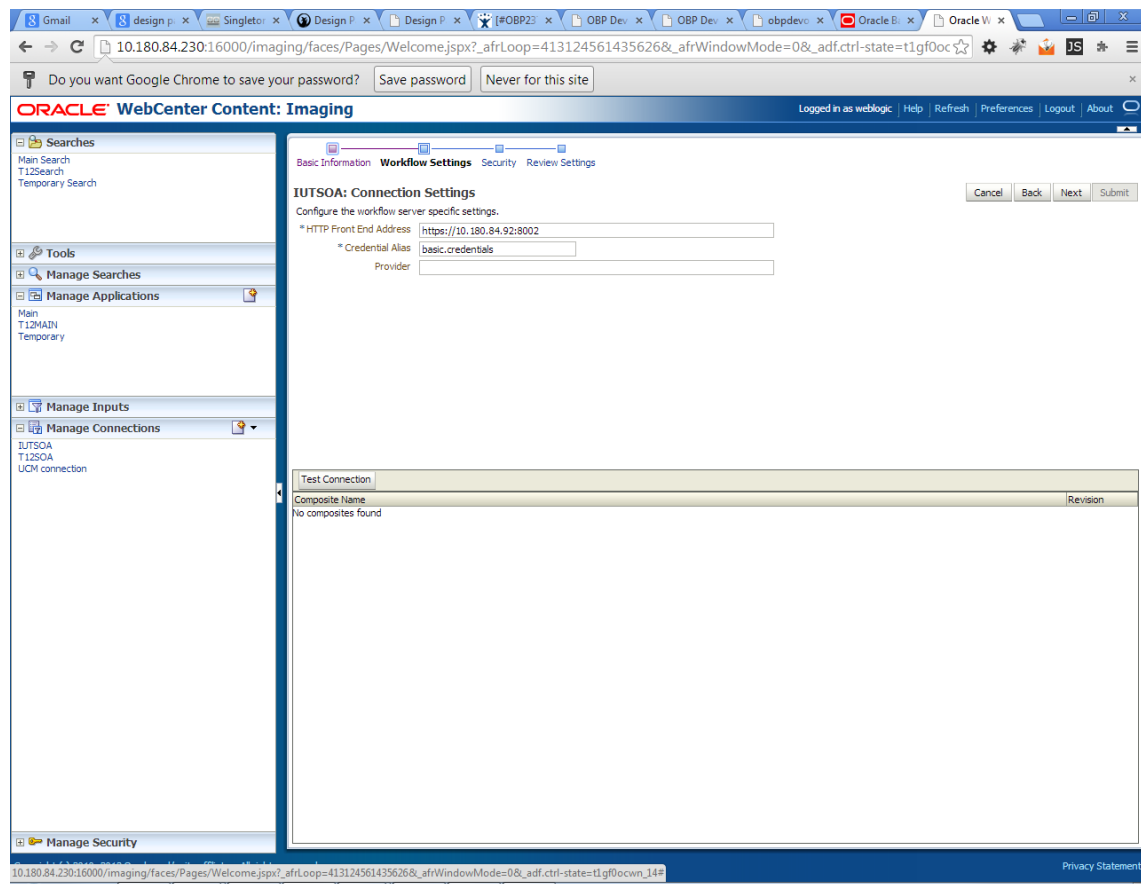
3. Click **Create Workflow Connection**.
4. In the **Name** field, enter the name for SOA Connection as IUTSOA.

Figure 10–71 IUTSOA: Basic Information



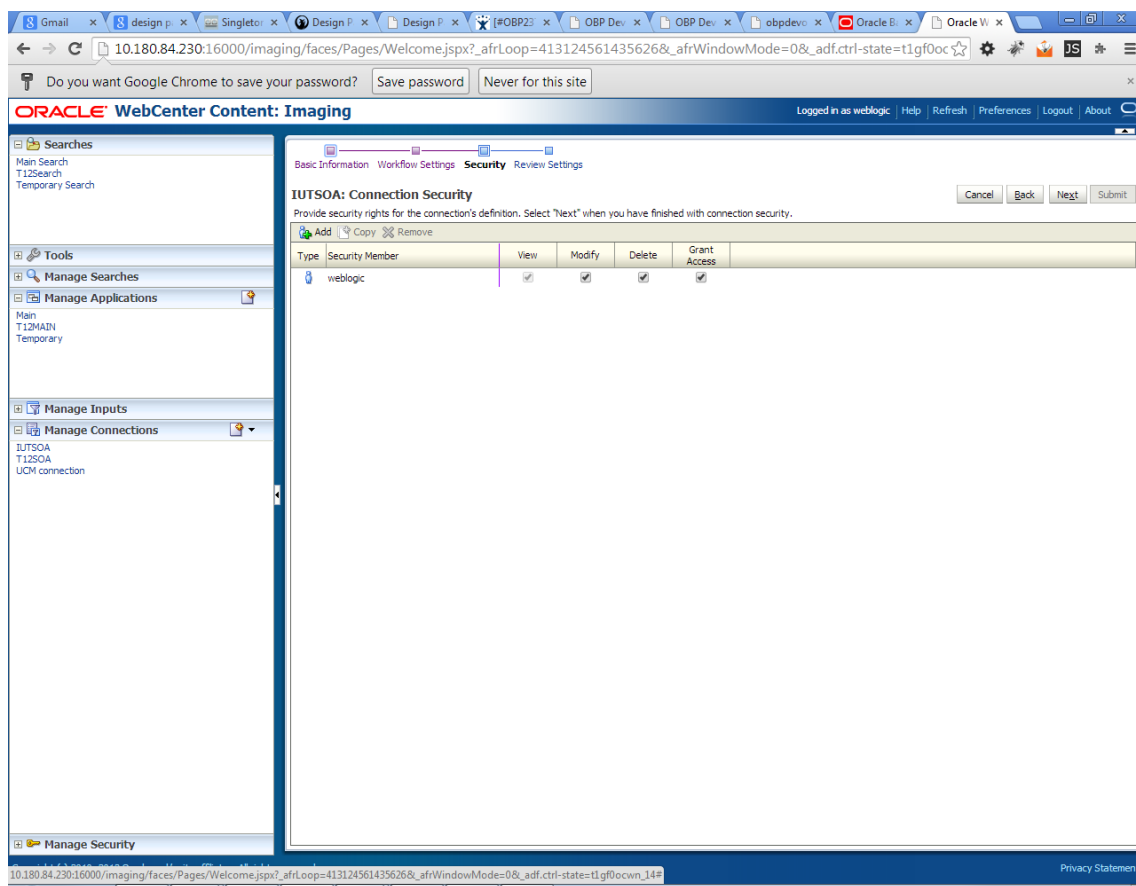
- 5. In the **HTTP Front End Address** field, enter the value for SOA server.

Figure 10–72 IUTSOA: Workflow Settings



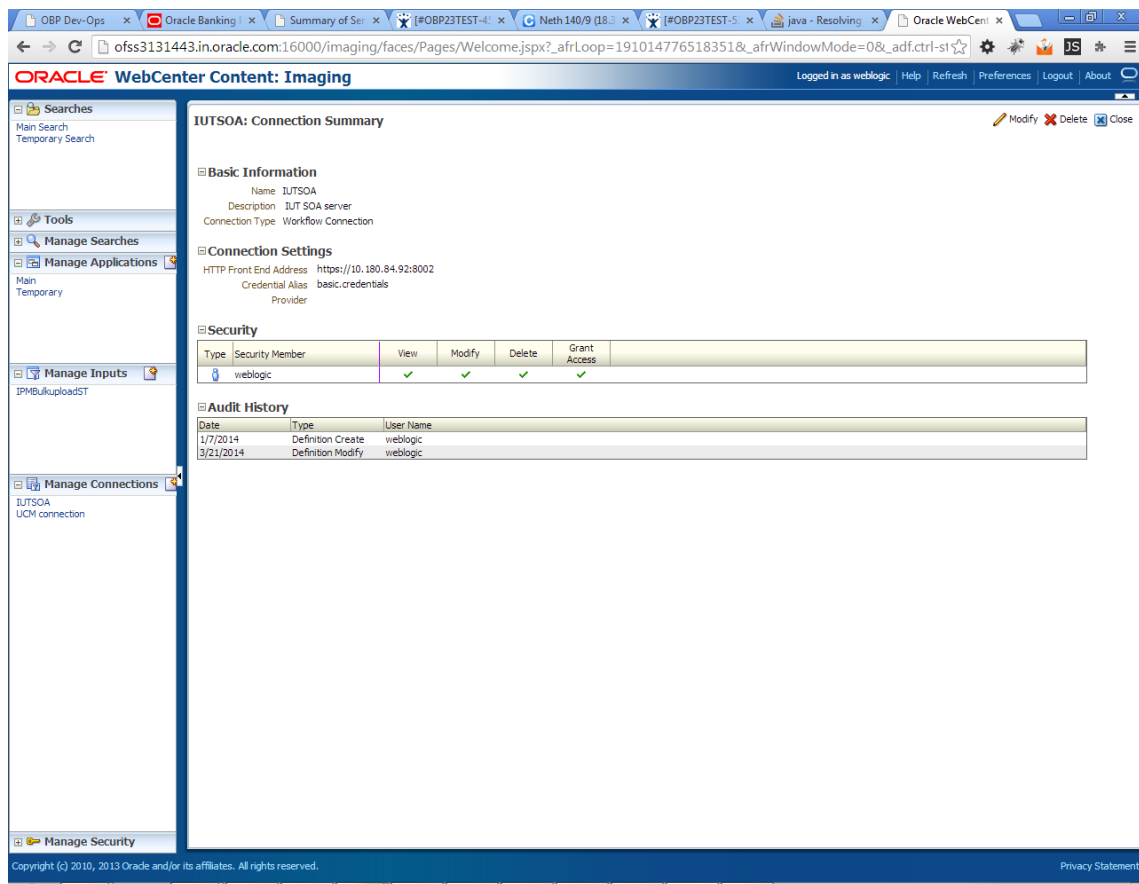
6. In the **Credential Alias** field, enter the value as basic.credentials.
7. Click **Next** to proceed. The Connection Security page appears.

Figure 10–73 IUTSOA: Connection Security



8. Provide the requisite security rights to the connection's definition.
9. Click **Submit**.
10. Click **Next**. The Review Settings page appears.

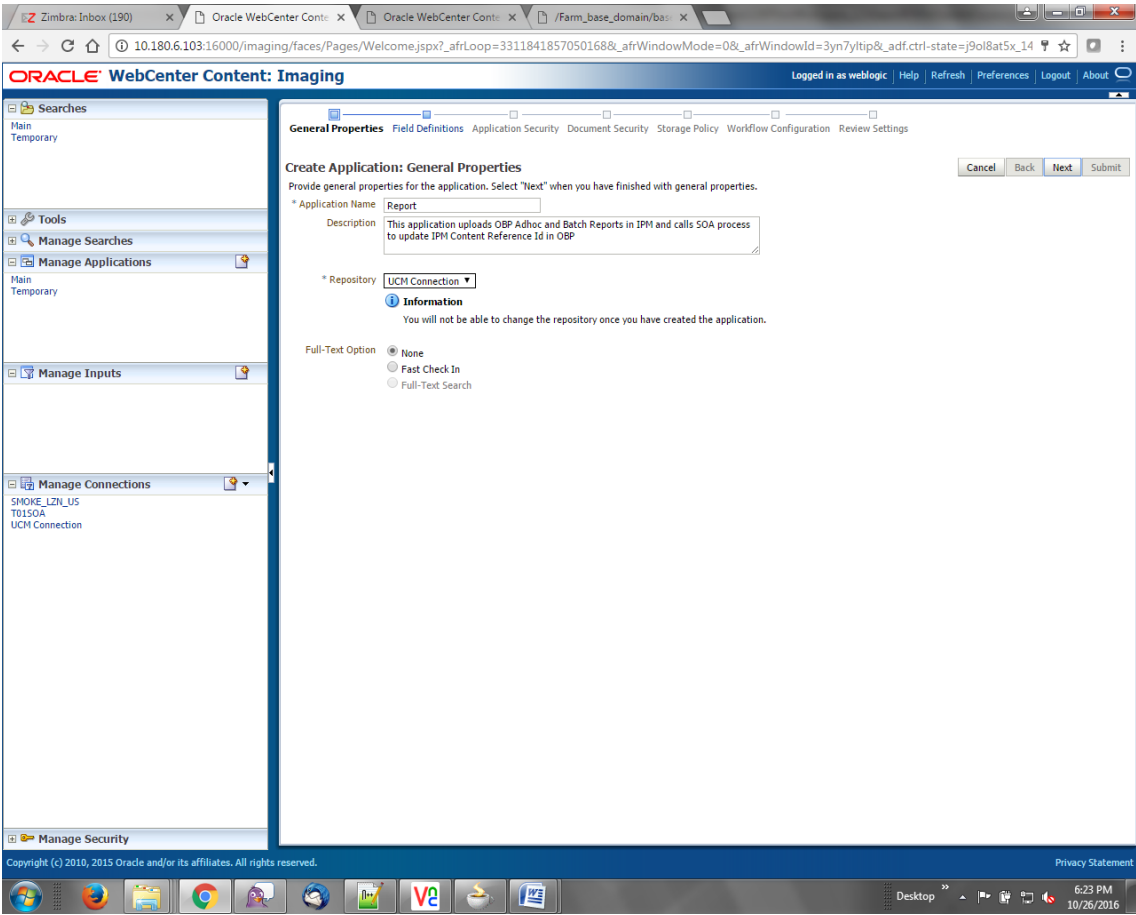
Figure 10–74 IUTSOA: Review Settings



10.3.5 Manage Application Configuration

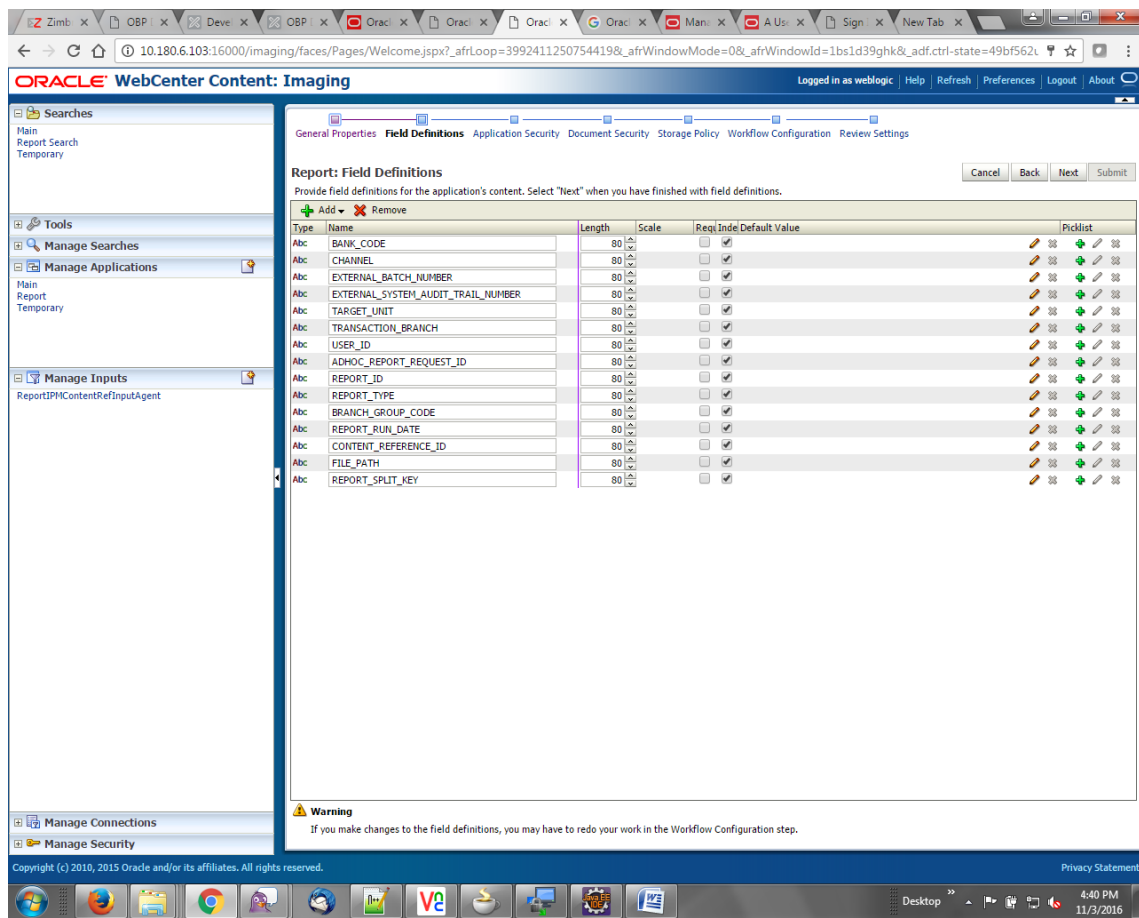
1. Navigate to the Manage Applications section.
2. Select Create New Application option. The Create Application: General Properties page appears.

Figure 10–75 Create Application: General Properties



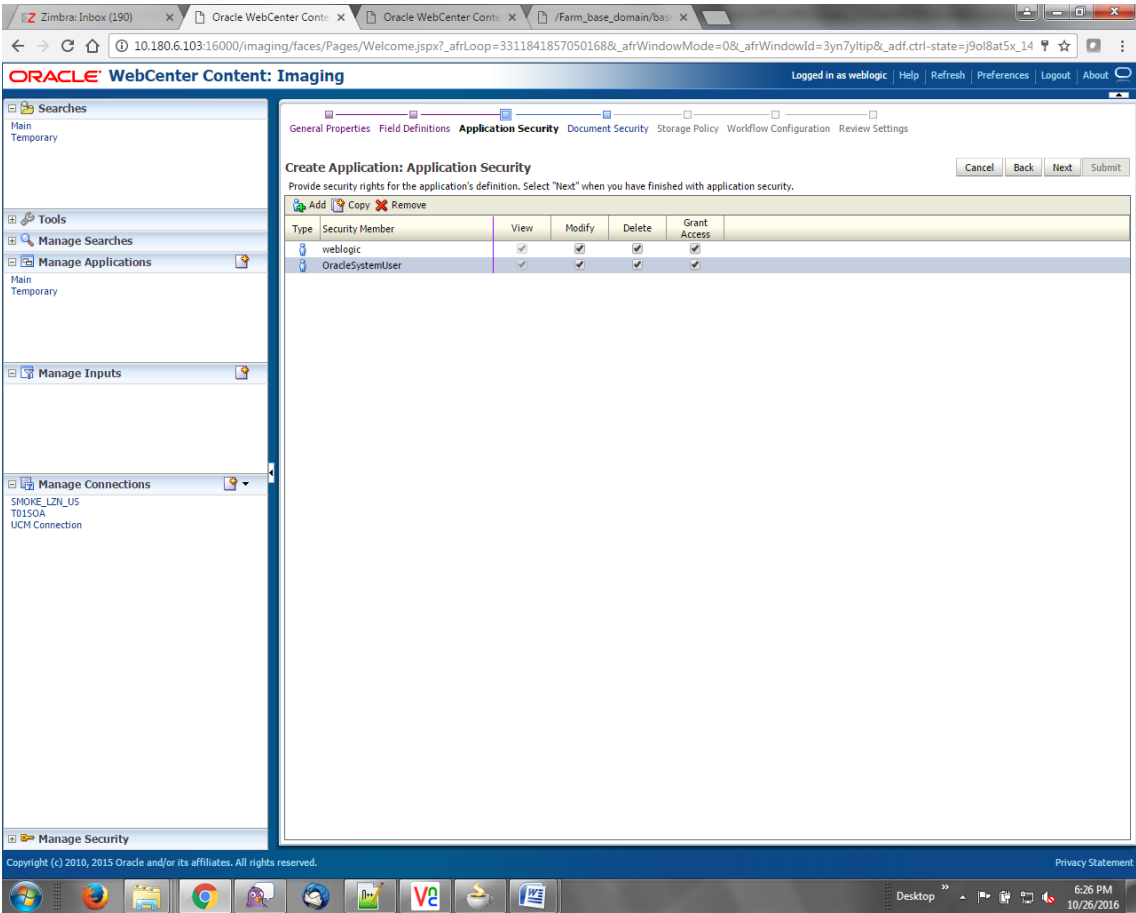
- 3. Enter the general properties for the application and click **Next**. The Report: Field Definitions page appears.

Figure 10–76 Report: Field Definitions



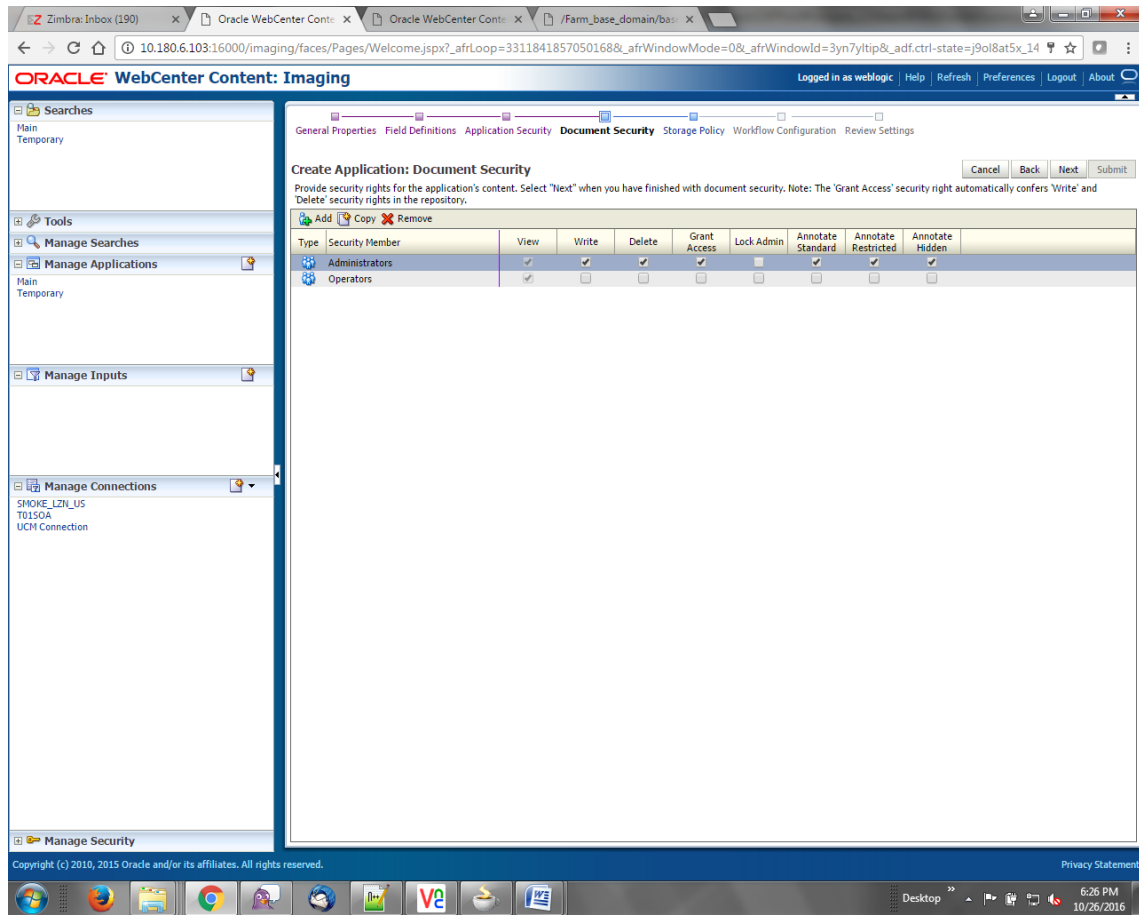
4. Enter the field definition details and click **Next**. The Create Application: Applications Security page appears.

Figure 10–77 Create Application: Applications Security



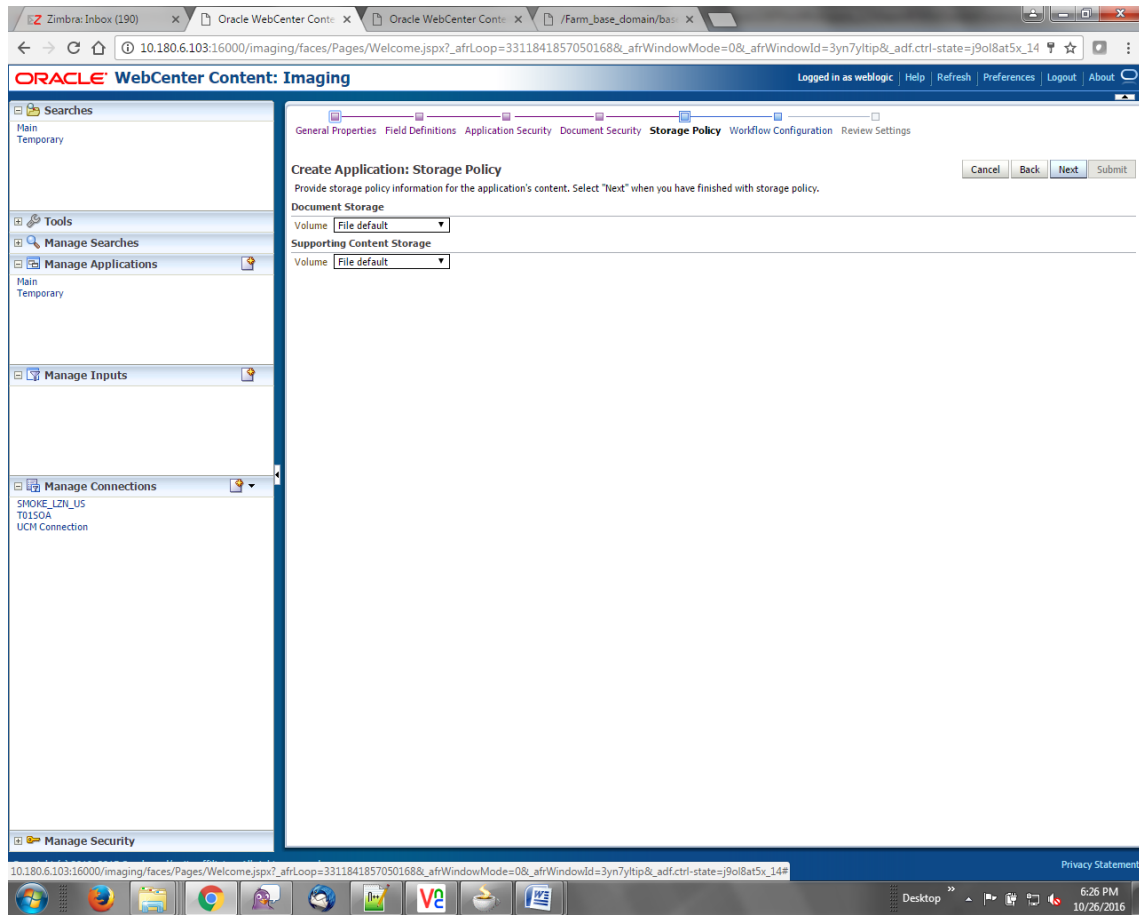
- 5. In the Application Security section, select the access rights for users and click **Next**. The Create Application: Document Security page appears.

Figure 10–78 Create Application: Document Security



- In the Document Security section, select the access rights for users and click **Next**. The Create Application: Storage Policy page appears.

Figure 10–79 Create Application: Storage Policy



7. In Storage Policy section, select the **File Default** option in the Document Storage and Supporting Content Storage fields.
8. Click **Next**. The Report: Workflow Configuration page appears.
9. Enter the Workflow Configuration details in the Server Properties, Component Properties and Payload Properties sections as shown.

Figure 10–80 Report: Workflow Configuration - Server Properties

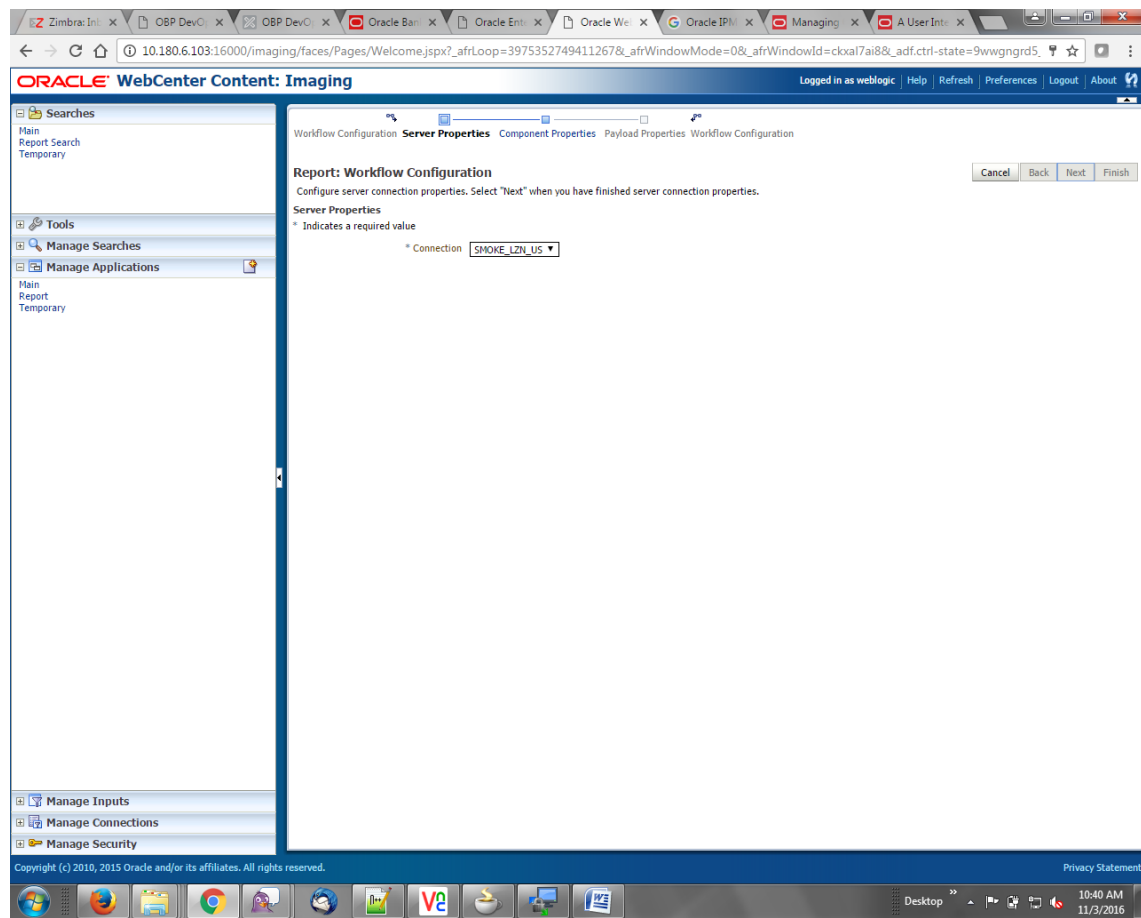


Figure 10–81 Report: Workflow Configuration - Component Properties

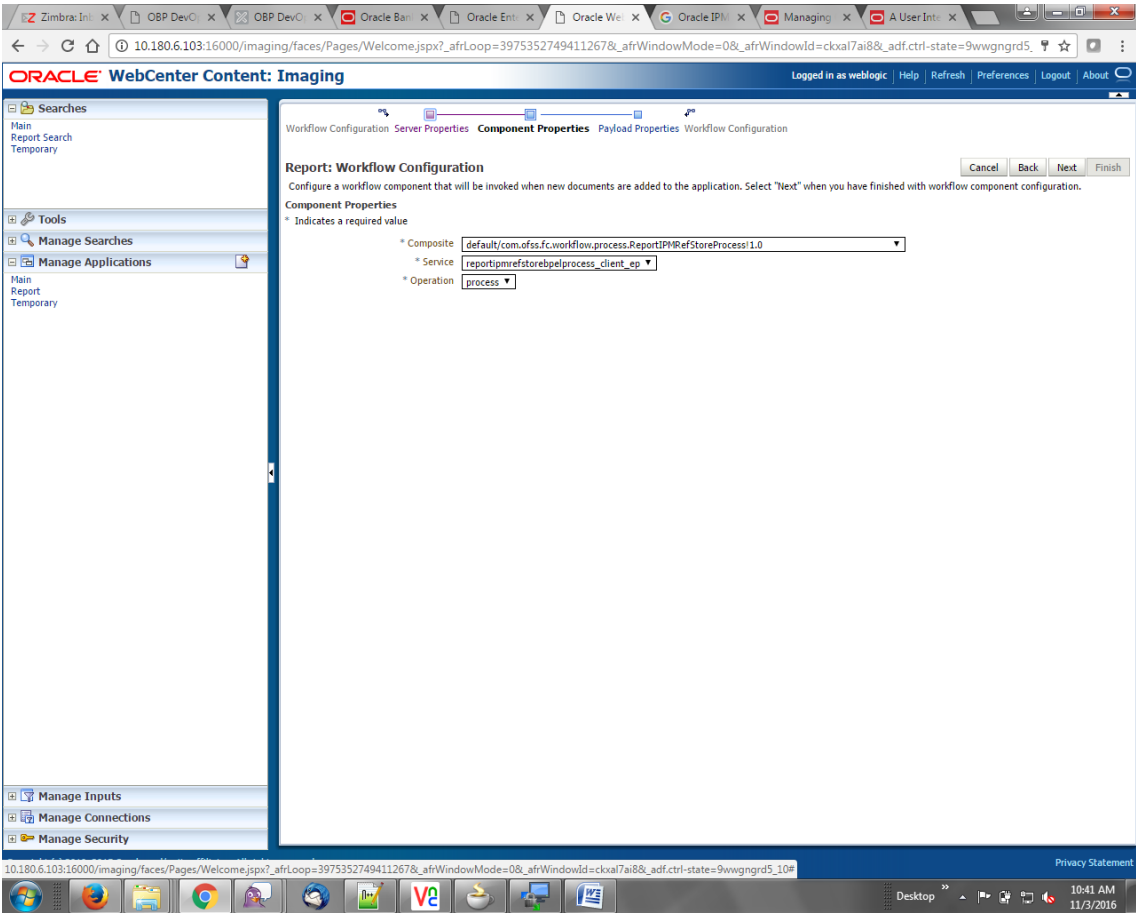
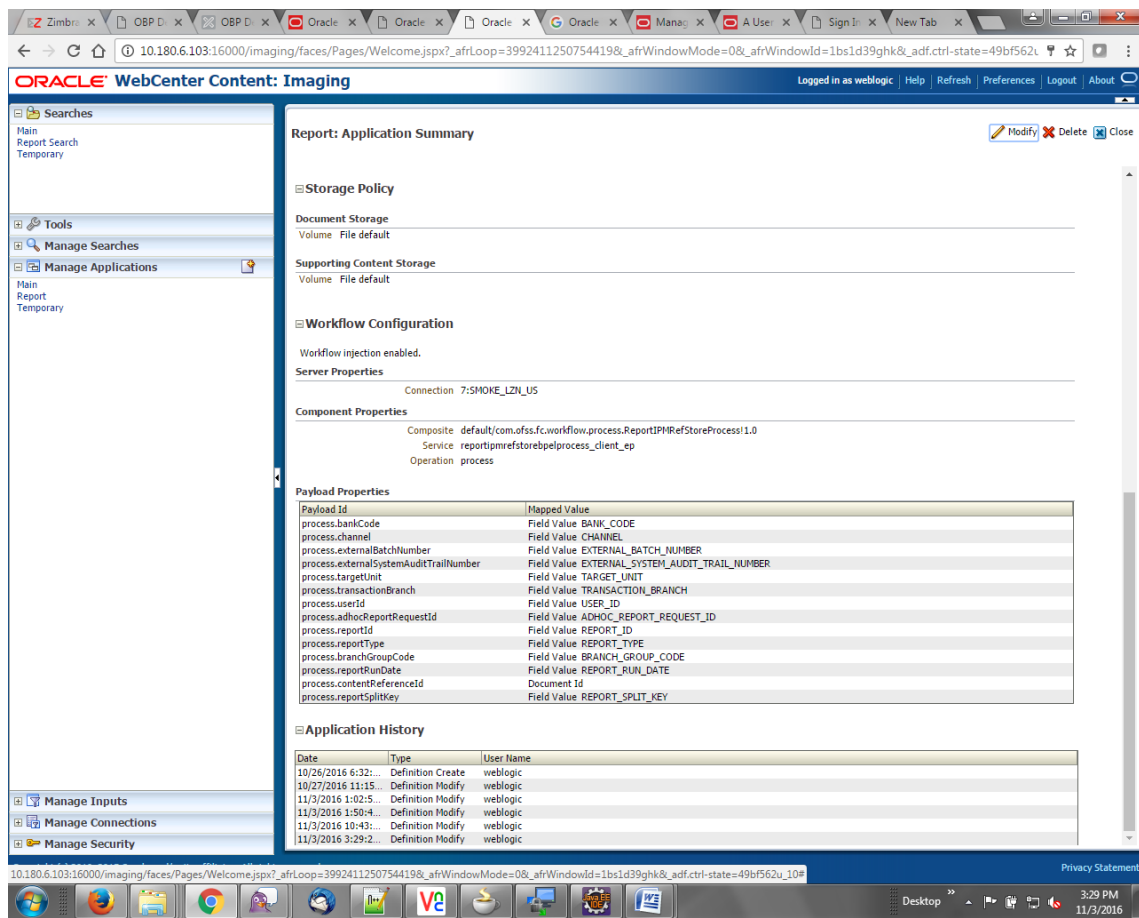
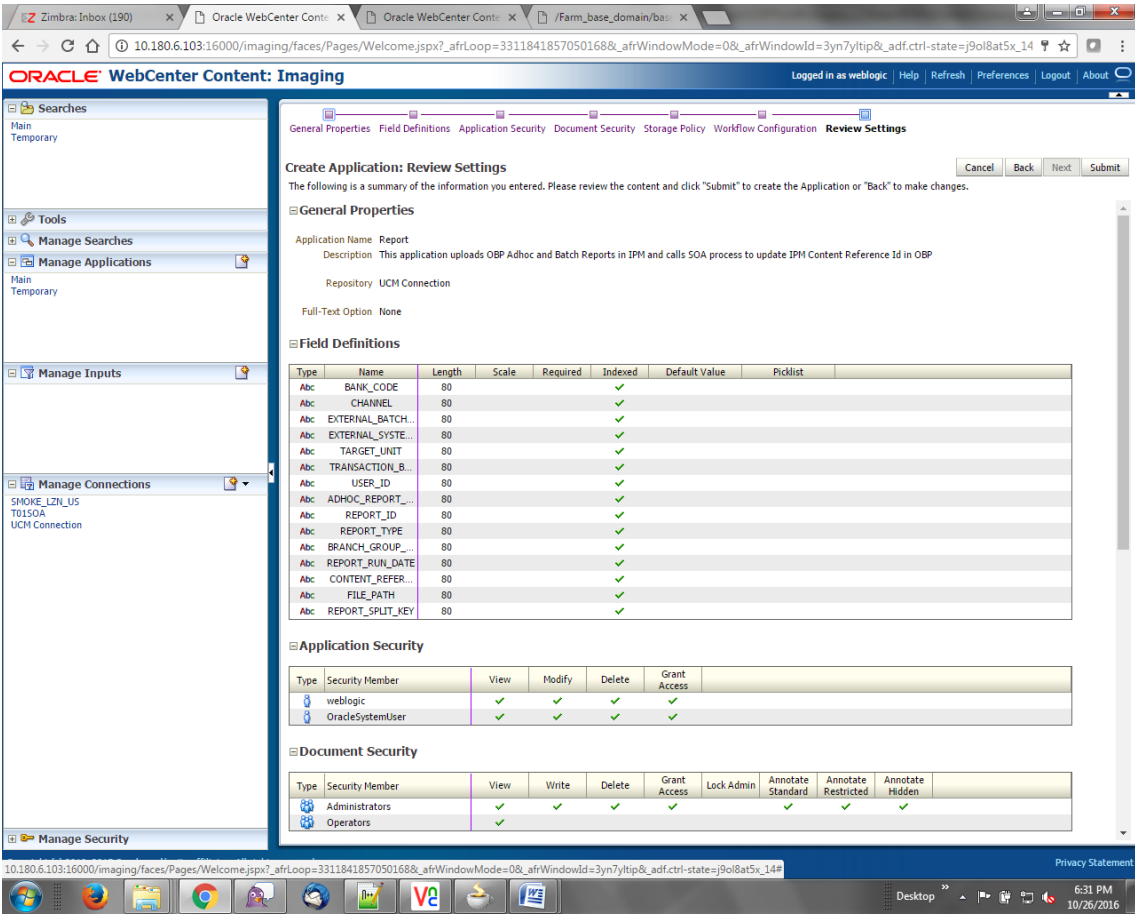


Figure 10–82 Report: Application Summary



10. Review the summary and click **Submit**.

Figure 10–83 Create Application: Review Settings

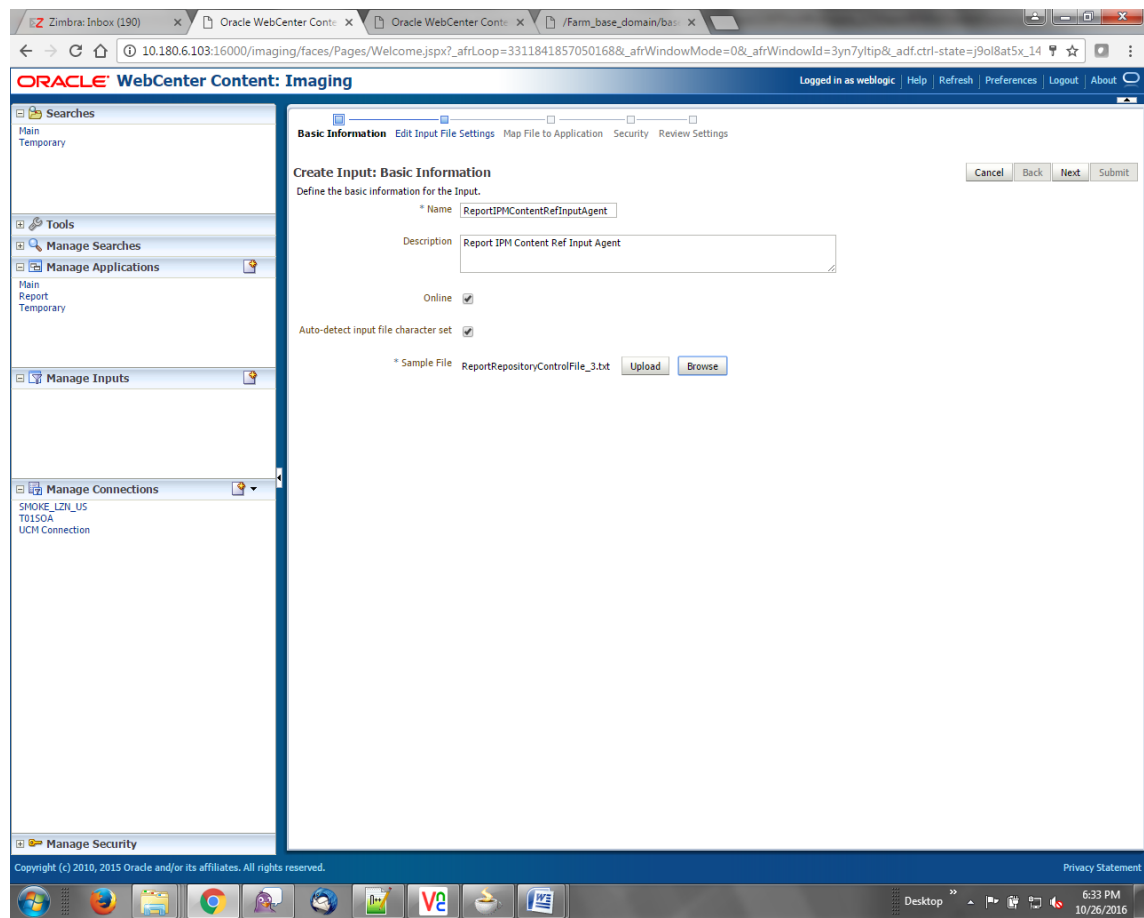


10.3.6 Manage Inputs for Input Agents

To manage workflow configuration:

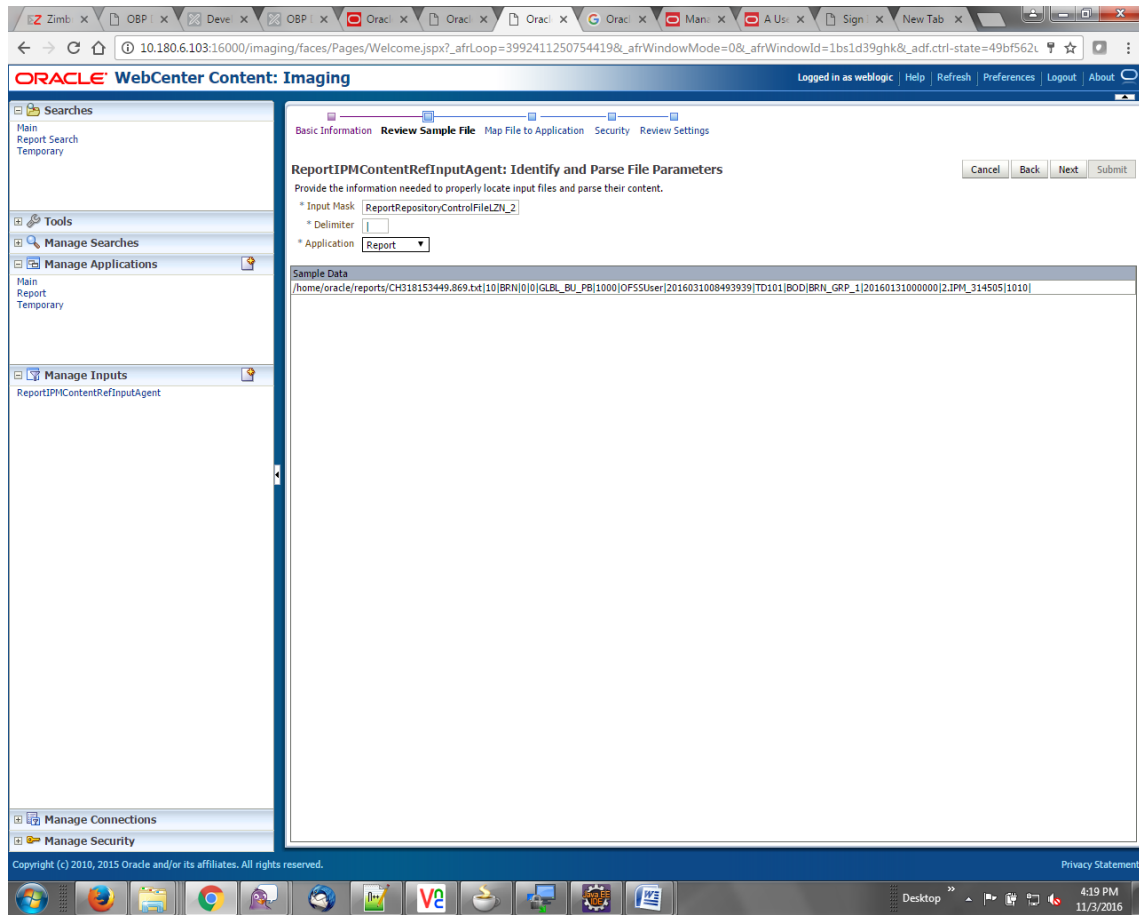
- 1. Log in to Image Processing Management (IPM).
- 2. Navigate to Manage Inputs section.

Figure 10–84 Manage Inputs



3. Define an input agent by entering a Name. For example, bulkUploadInput.
4. Define Input Mask as ReportRepositoryControlFileLZN*.txt.

Figure 10–85 Input Agent Details: Input Mask



5. Upload the sample file.

For example, name the sample file as `ReportRepositoryControlFile.txt` and add the following content to the sample file.

```
/home/oracle/reports/CH318153449.869.txt|10|BRN|0|0|GLBL_BU_
PB|1000|OFSSUser|2016031008493939|TD101|BOD|BRN_GRP_
1|20160131000000|2.IPM_314505|1010|
```

6. In the **Input Mask** field, enter the value which should be the same as the name given in table.

```
flx_fw_config_all_b
```

```
select prop_value from flx_fw_config_all_b where category_id = reports and prop_id=REPORT_
UPLOAD_FILE_NAME_PREFIX;
```

appended with name given in table `flx_fw_config_var_b`

```
select prop_value from flx_fw_config_var_b where prop_id = env.name;
```

Note

Input Mask name should have a * (asterisk character) to enable the process to read all the files whose prefix is same as the input mask value.

7. In the **Delimiter** field, enter the delimiter value as | (vertical bar character).
8. From the **Application** field, select the application to which the input agent will be applied.

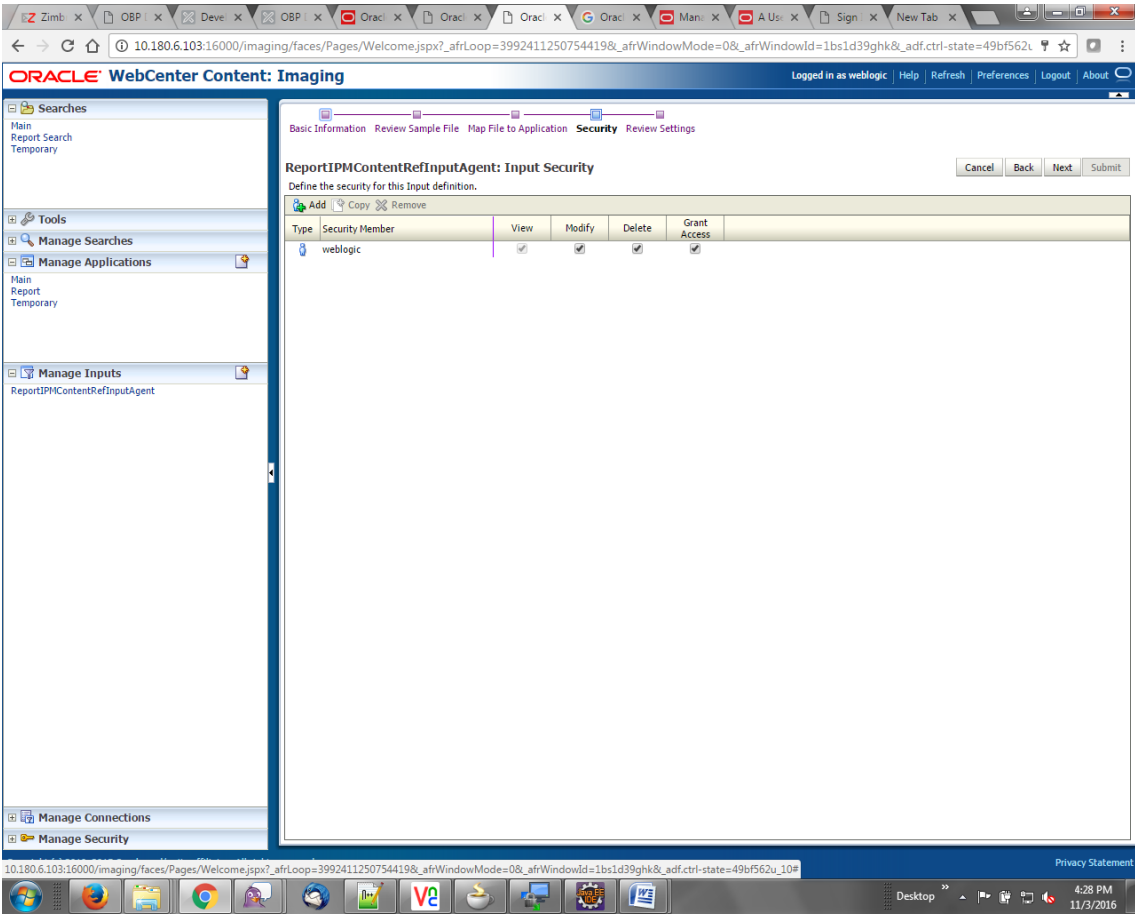
Figure 10–86 Input Agent Details: Field Mapping

The screenshot shows the 'Map File to Application' dialog in Oracle WebCenter Content: Imaging. The dialog is titled 'ReportIPMContentRefInputAgent: Field Mapping' and includes a sub-section 'Input Mapping'. A table maps application fields to input columns and sample data. The 'Use Application Default' and 'Date Format' columns are empty for all rows.

Application Fields	Input Column	Sample Data	Use Application Default	Date Format
File Path	Column 1	/home/oracle/reports/CH318153449.8...		
BANK_CODE	Column 2	10		
CHANNEL	Column 3	BRN		
EXTERNAL_BATCH_NUMBER	Column 4	0		
EXTERNAL_SYSTEM_AUDIT_...	Column 5	0		
TARGET_UNIT	Column 6	GLBL_BJ_PB		
TRANSACTION_BRANCH	Column 7	1000		
USER_ID	Column 8	OFSSUser		
ADHOC_REPORT_REQUEST_...	Column 9	2016031000493939		
REPORT_ID	Column 10	TD101		
REPORT_TYPE	Column 11	BOD		
BRANCH_GROUP_CODE	Column 12	BRN_GRP_1		
REPORT_RUN_DATE	Column 13	20160310000000		
CONTENT_REFERENCE_ID	Column 14	2.IPM_314505		
FILE_PATH	Column 1	/home/oracle/reports/CH318153449.8...		
REPORT_SPLIT_KEY	Column 15	1010		

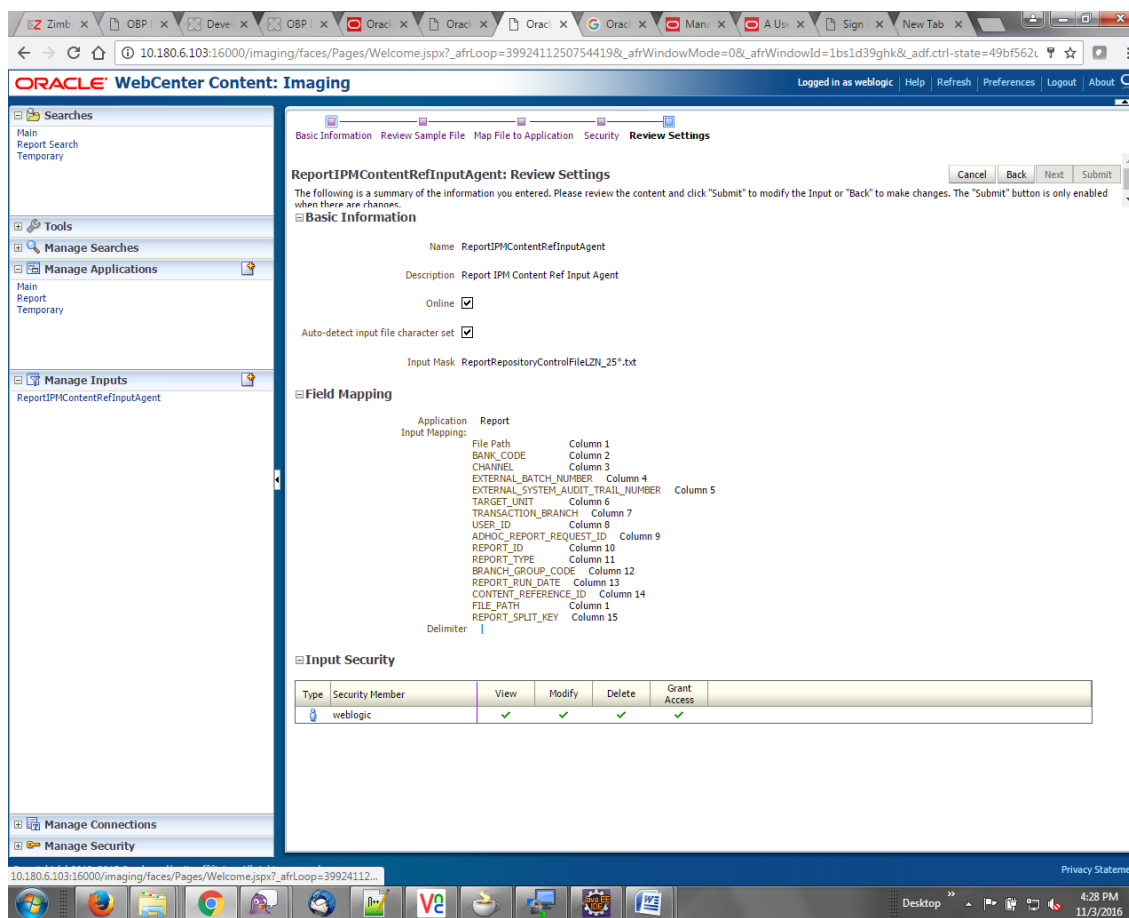
9. Select the access rights for user in the Security section and click **Next**.

Figure 10–87 Input Agent Details: Security



The Input Summary appears. The Input agent must have the settings similar to those shown in the following figure.

Figure 10–88 Input Agent Details: Review Settings



Note

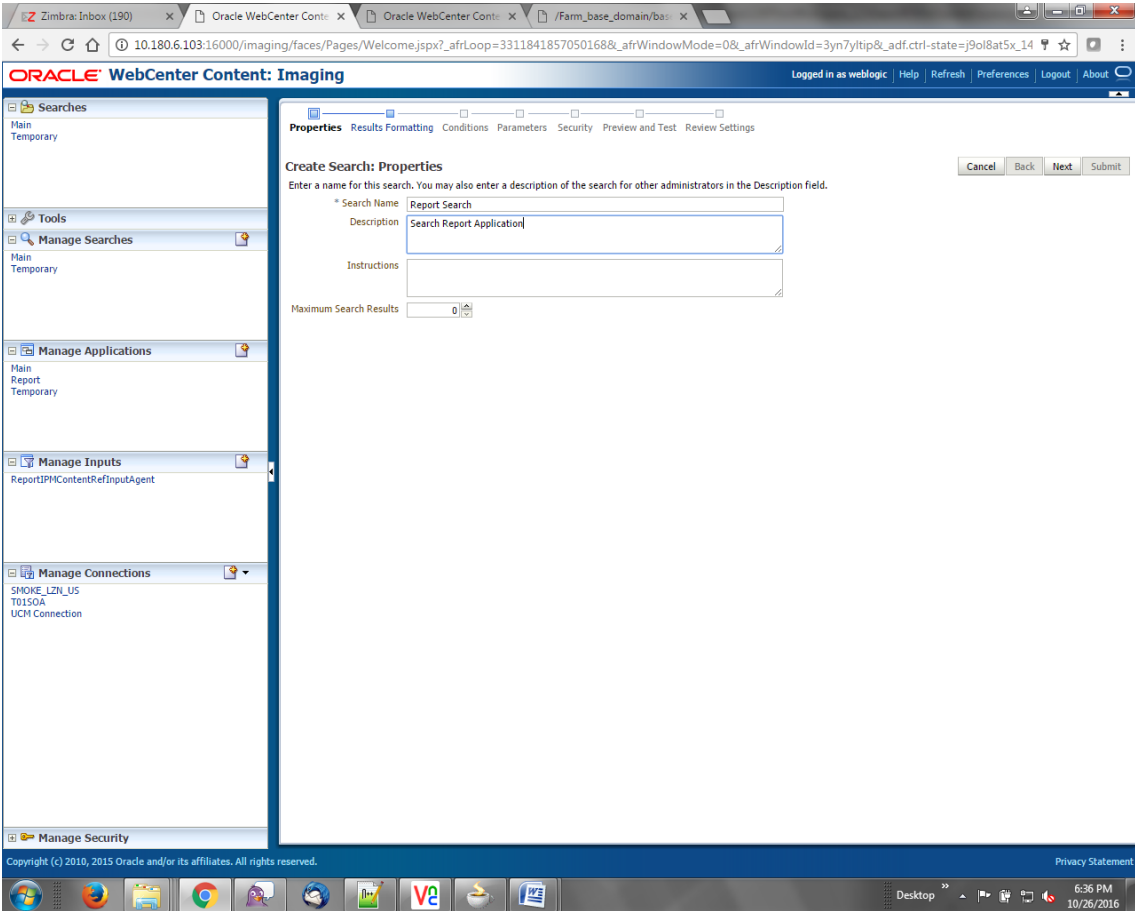
Do not forget to toggle online, else the input agent will not pick up any file for processing.

10.3.7 Manage Searches

To manage searches:

- 1. Click Manage Searches option and enter the search name with description.

Figure 10–89 Create Search: Properties



- 2. Select the source application along with its field details.

Figure 10–90 Create Search: Results Formatting

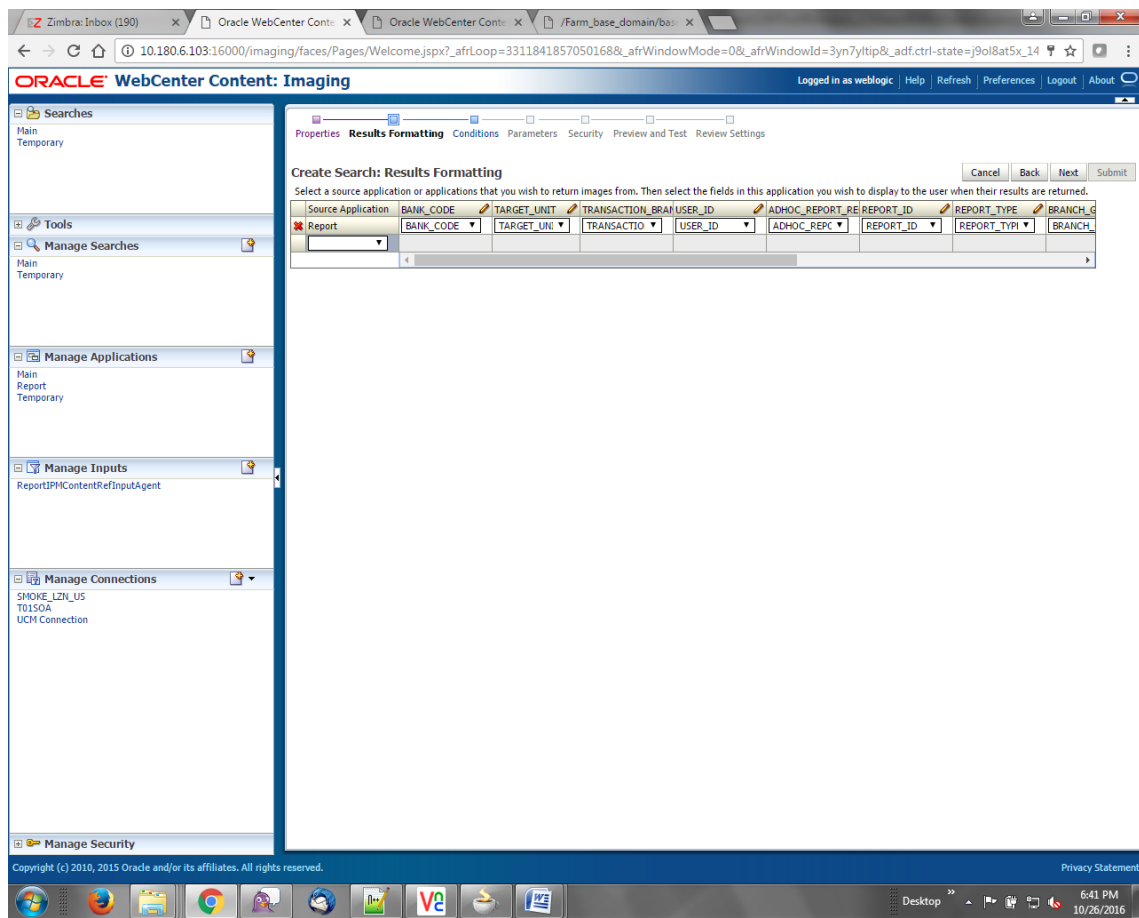


Figure 10-91 Create Search: Conditions

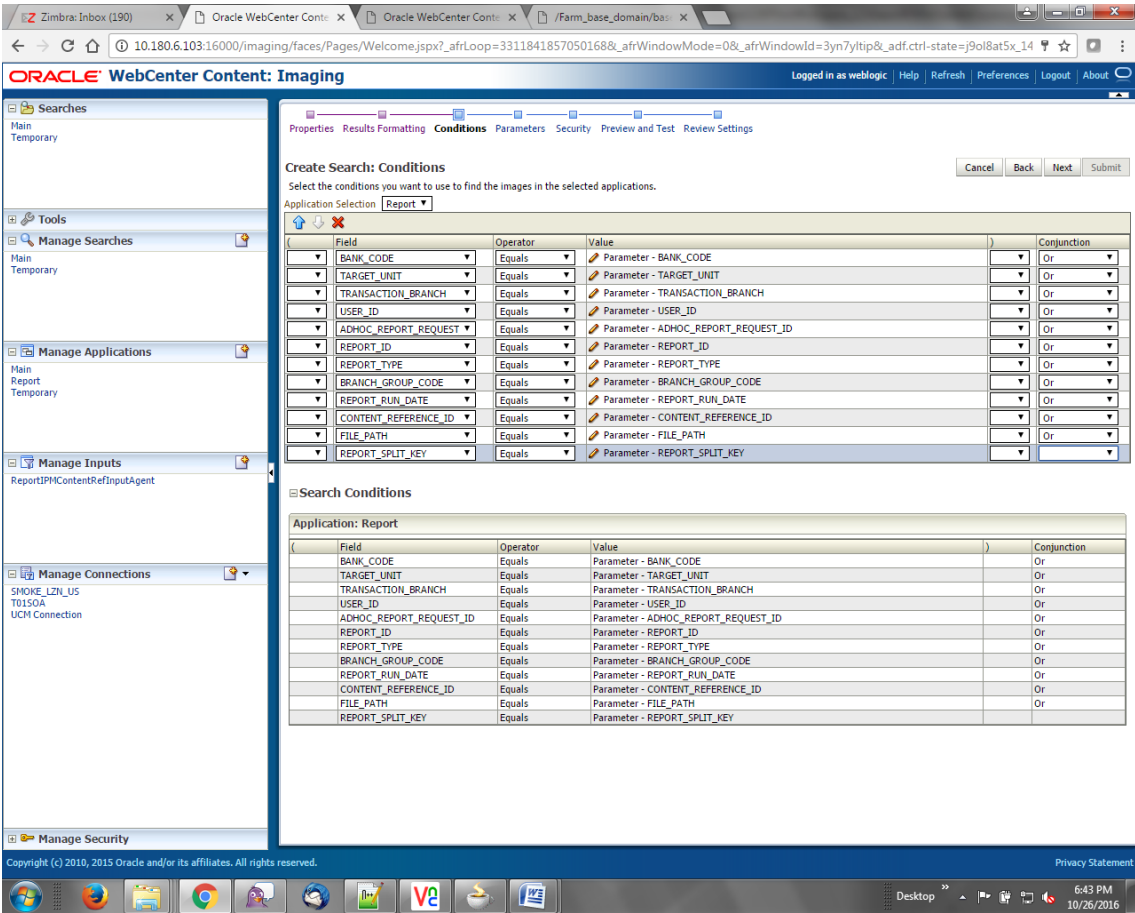
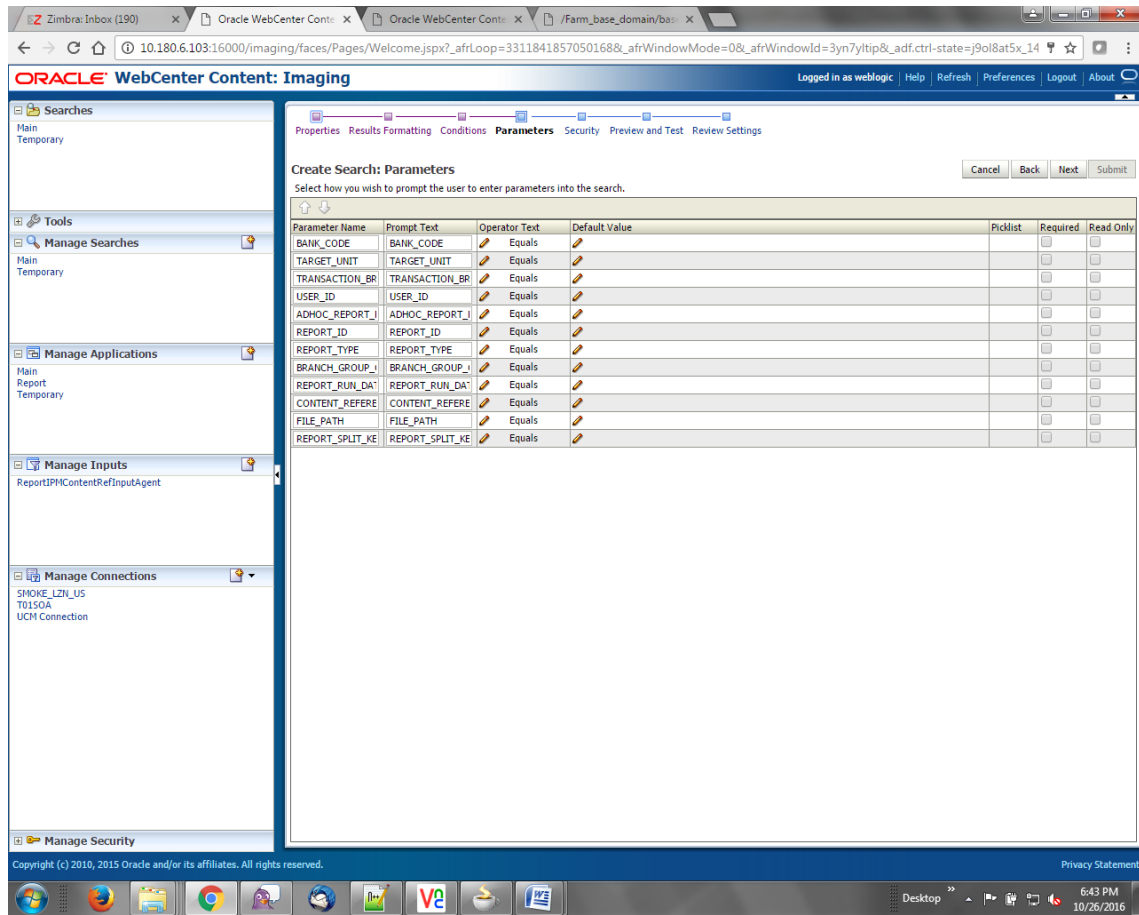
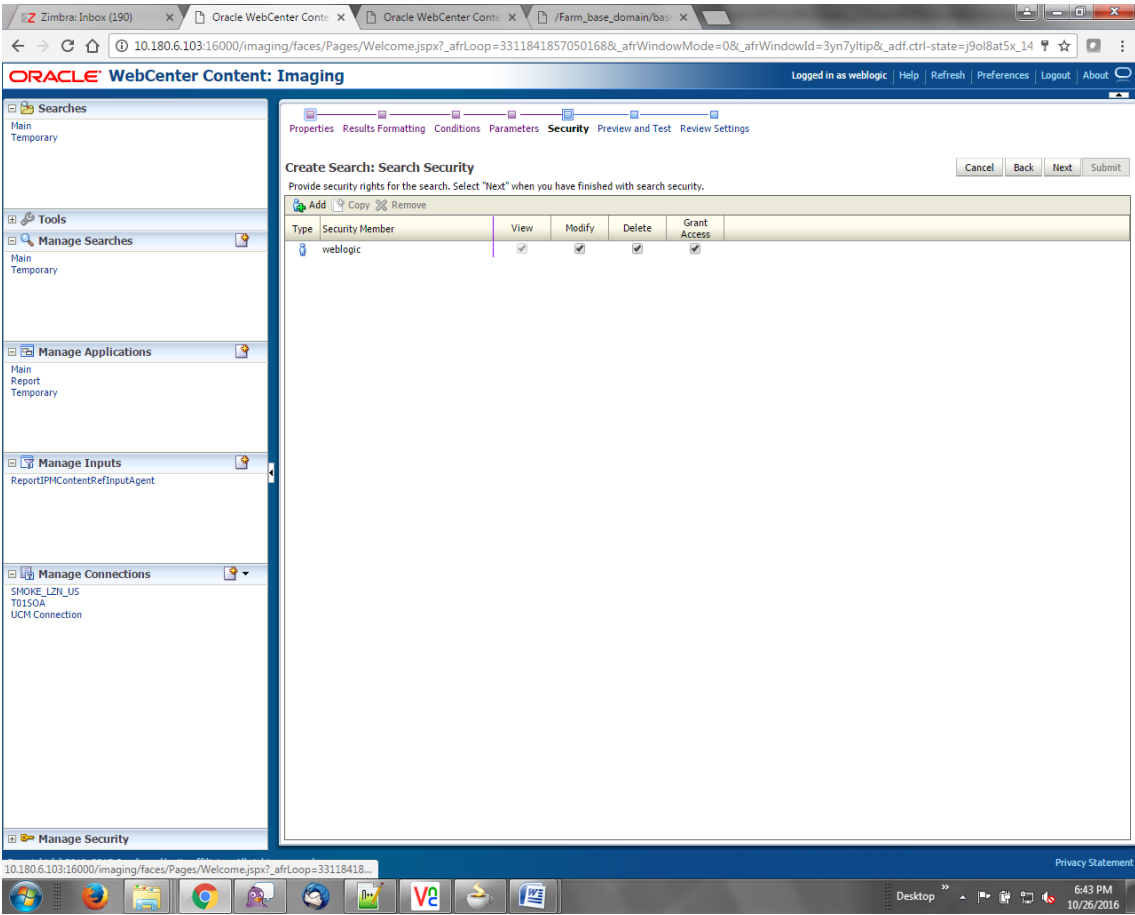


Figure 10–92 Create Search: Parameters



3. Select the access rights for users in security configuration.

Figure 10–93 Create Search: Security



- 4. Review the summary and click **Submit**.

Figure 10–94 Create Search: Preview and Test

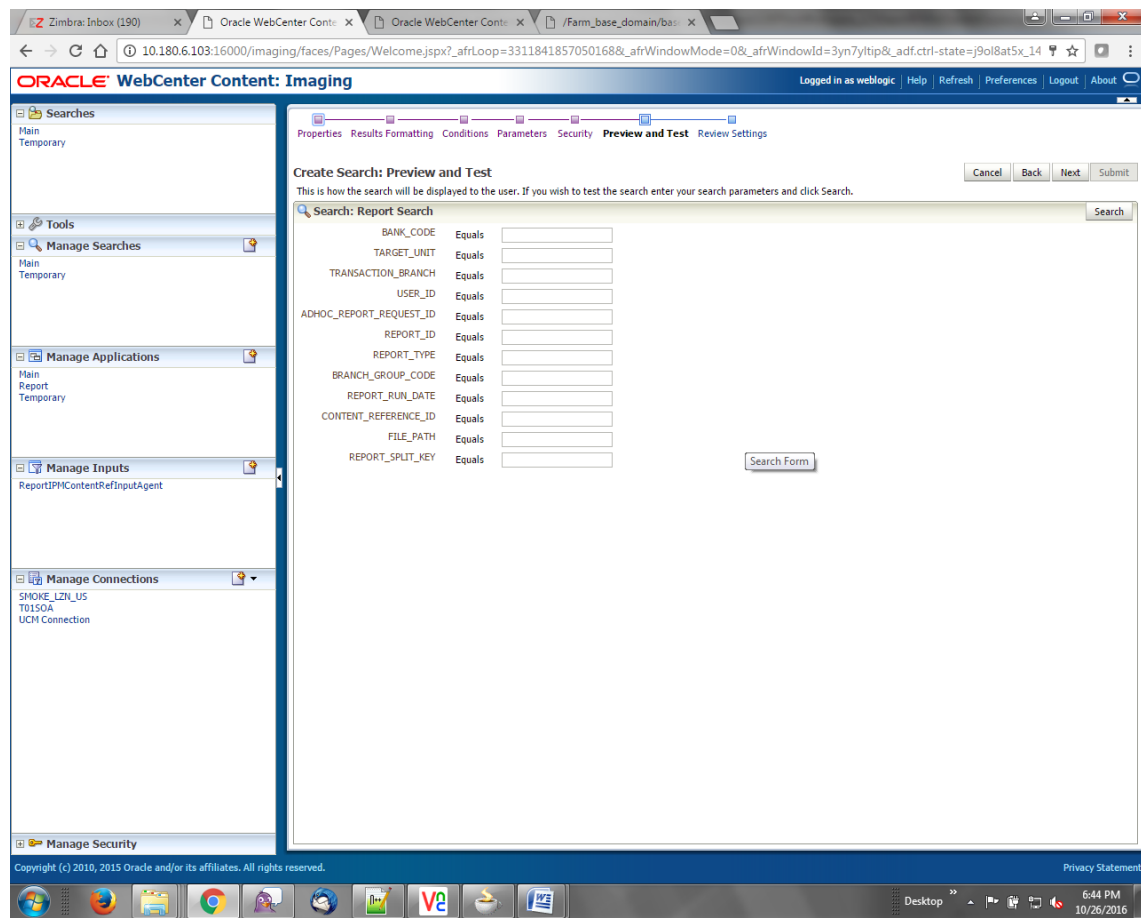
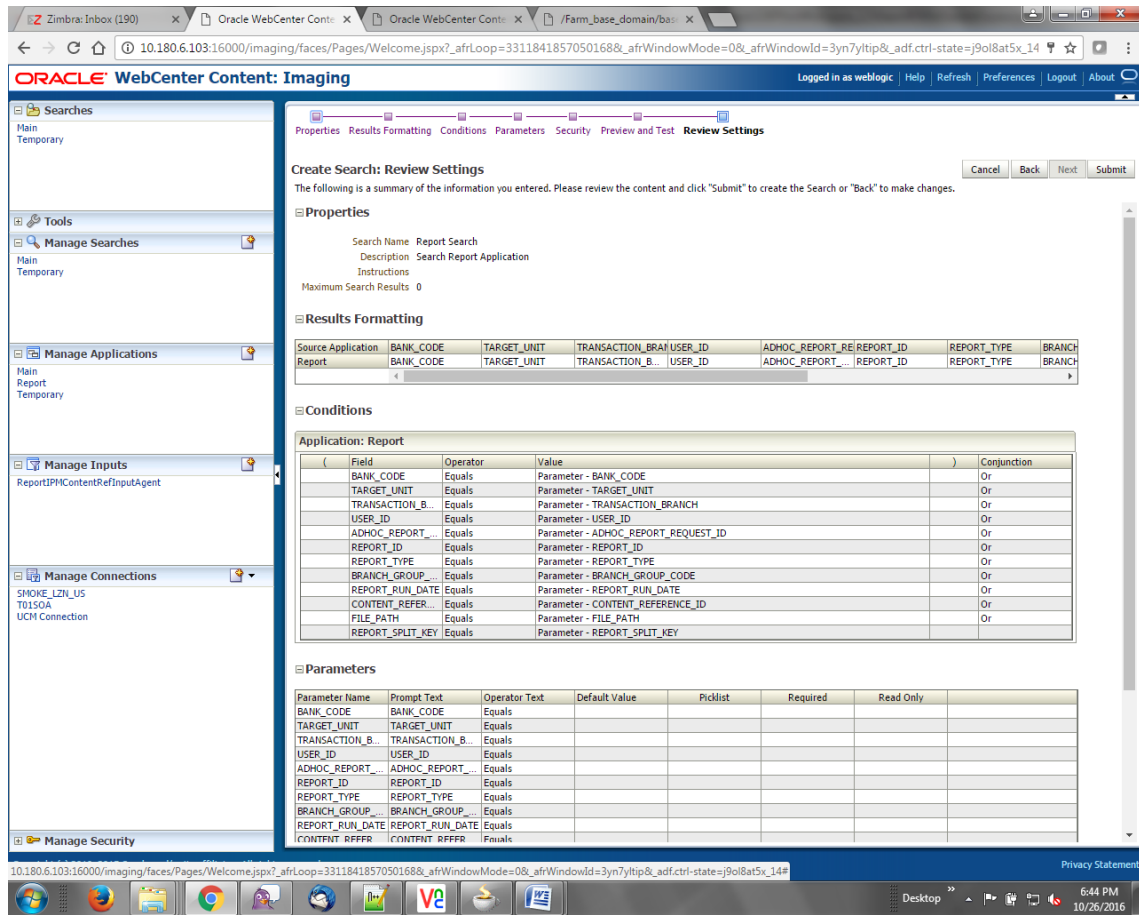


Figure 10–95 Create Search: Review Settings



10.3.8 Additional Steps

1. Update user and bankcode as follows:
 update flx_fw_config_all_b set prop_value= ofssuser where prop_id='userid' and category_id like contentmanager%;
2. In the flx_fw_config_all_b table, the values for PROP_ID should be the same as mentioned for path in IPM server.

Table 10–2 PROP ID Values

PROP_ID	PROP_VALUE
FTPSEVER.DMSFILEPATH=/scratch/ofssobp/testinputagent/inputdir/1/	Path in IPM config
FTPSEVER.REPORTPATH=/scratch/reports/	Path where files will be FTP
FTPSEVER.HOST	IPM IP
BULK_UPLOAD_FILE_NAME_PREFIX	Input Mask name

PROP_ID	PROP_VALUE
	given in 1.5 Manage Inputs for Input Agents section.

3. FTP service on IPM server should be running and FTP user should be created on host user connectors.
4. For resolving the SSLHandshake between IPM and SOA server:

- a. Save the SOA Server Certificate. SOA certificate needs to be saved in Base64 (.cer) format for import to IPM server.

- b. Import the SOA server certificate on IPM server with following command.

Copy certificate at the following path on IPM server.

```
path:/scratch/app/product/oracle_jrockit_jdk1.6.0_37_R28.2.5_4.1.0/jre/lib/security
```

```
keytool -import -noprompt -trustcacerts -alias UI_SSL_trustself -file SOACert.cer -keystore cacerts -storepass changeit
```

- c. Security policy for ReportIPMRefStoreProcess can be removed (if required).

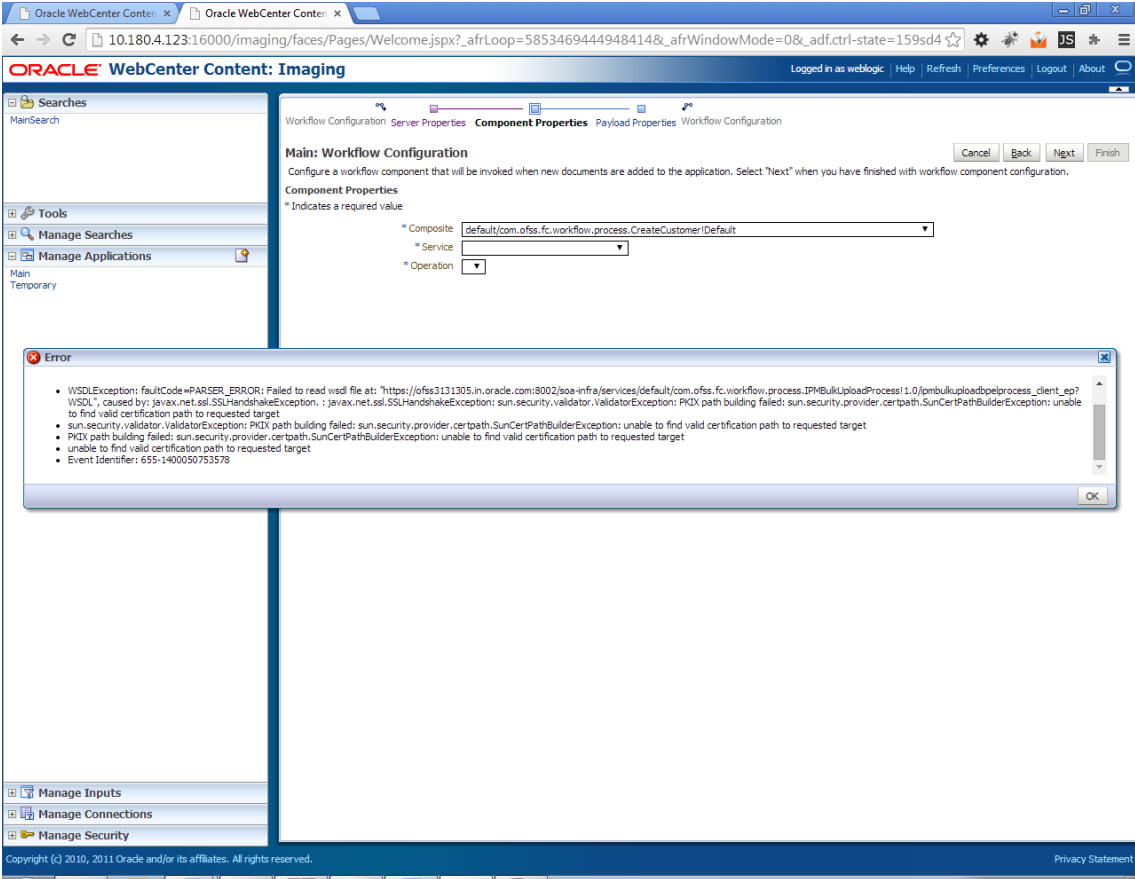
Security for called method

```
com.ofss.fc.app.report.ReportGenerationApplicationService.updateAdhocReportContentRefId (SessionContext, ReportRequestDTO) needs to be removed (for Development environment).
```

```
com.ofss.fc.app.report.ReportGenerationApplicationService.updateBatchReportContentRefId (SessionContext, BatchRequestDTO) needs to be removed (for Development environment).
```

```
com.ofss.fc.app.report.ReportGenerationApplicationService.updateSplitReportContentRefId (SessionContext, ReportSplitDetailDTO) needs to be removed (for Development environment).
```

Figure 10–96 Component Properties



11 OBP and OCH-OSC Integration

This chapter explains the steps required for integration of Oracle Banking Platform with OCH and OSC.

11.1 OCH Server Configuration in OBP

OBP integrates with Oracle Customer Hub as the customer master data management solution. Configuration information relevant from an OBP point of view is provided below.

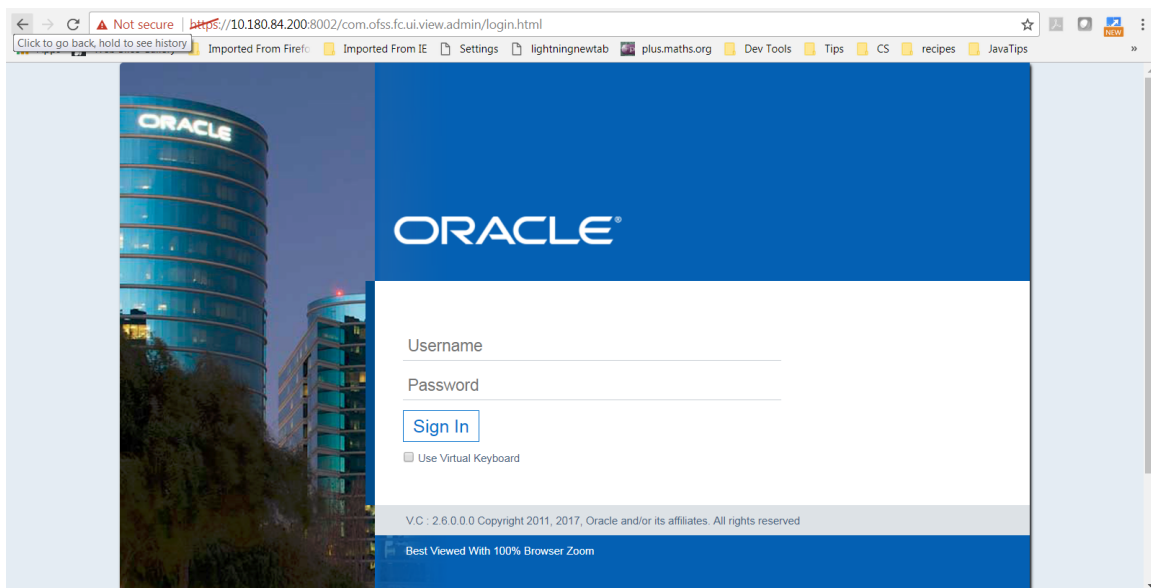
OBP integrates with OCH using the synchronous integration pattern using the OCH services. These service WSDLs are present as part of seed data. For the integration to work, IP address and port of OCH server need to be configured in OBP.

Following are the steps to configure OCH so that it can integrate with OBP:

1. Log on to the admin URL of OBP using the username and password set in OID.

`https://<hostserver>:<port>/com.ofss.fc.ui.view.admin/login.html`

Figure 11–1 OBP Admin Login



2. Navigate to Configurations -> Configuration Variables Information (Fast Path: CFG01).

Figure 11–2 Navigate to Configurations

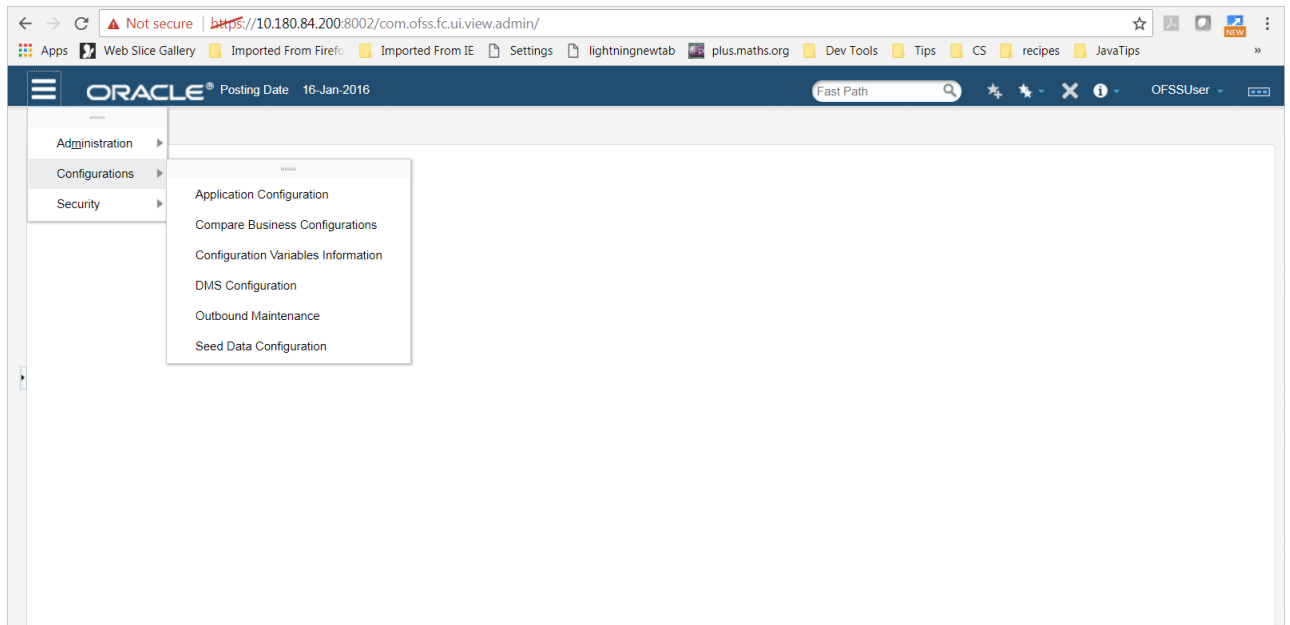
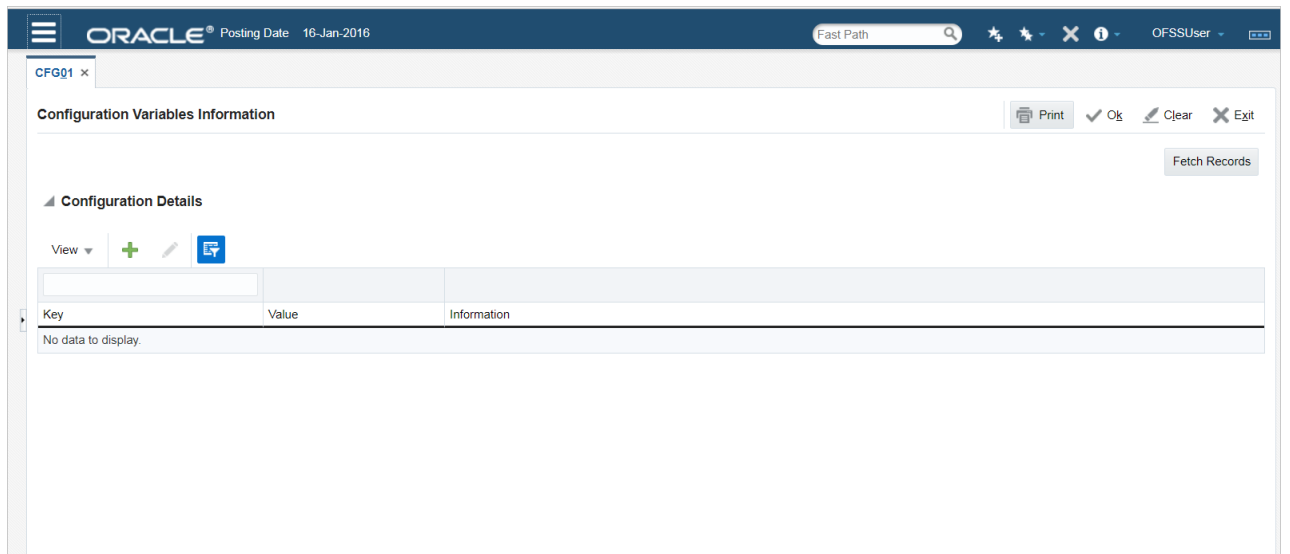
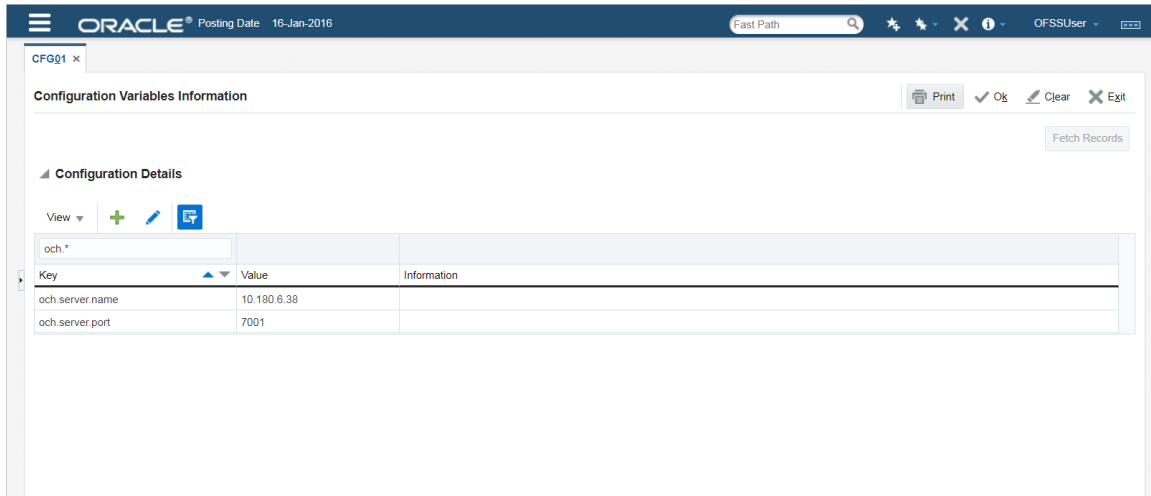


Figure 11–3 Configuration Variables Information (Fast Path: CFG01)



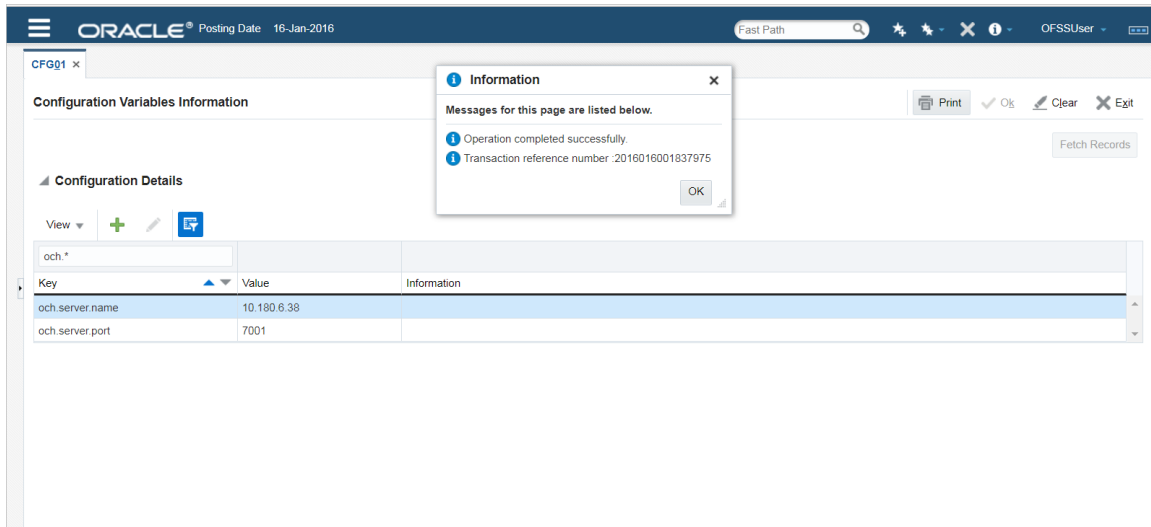
3. Click **Fetch Records**.
4. Search the text: och.*

Figure 11–4 Search och.*



5. Update the server IP and port values. Click **Ok**.

Figure 11–5 Update Server IP and Port Values



11.2 OCH Customizations for OBP Integration

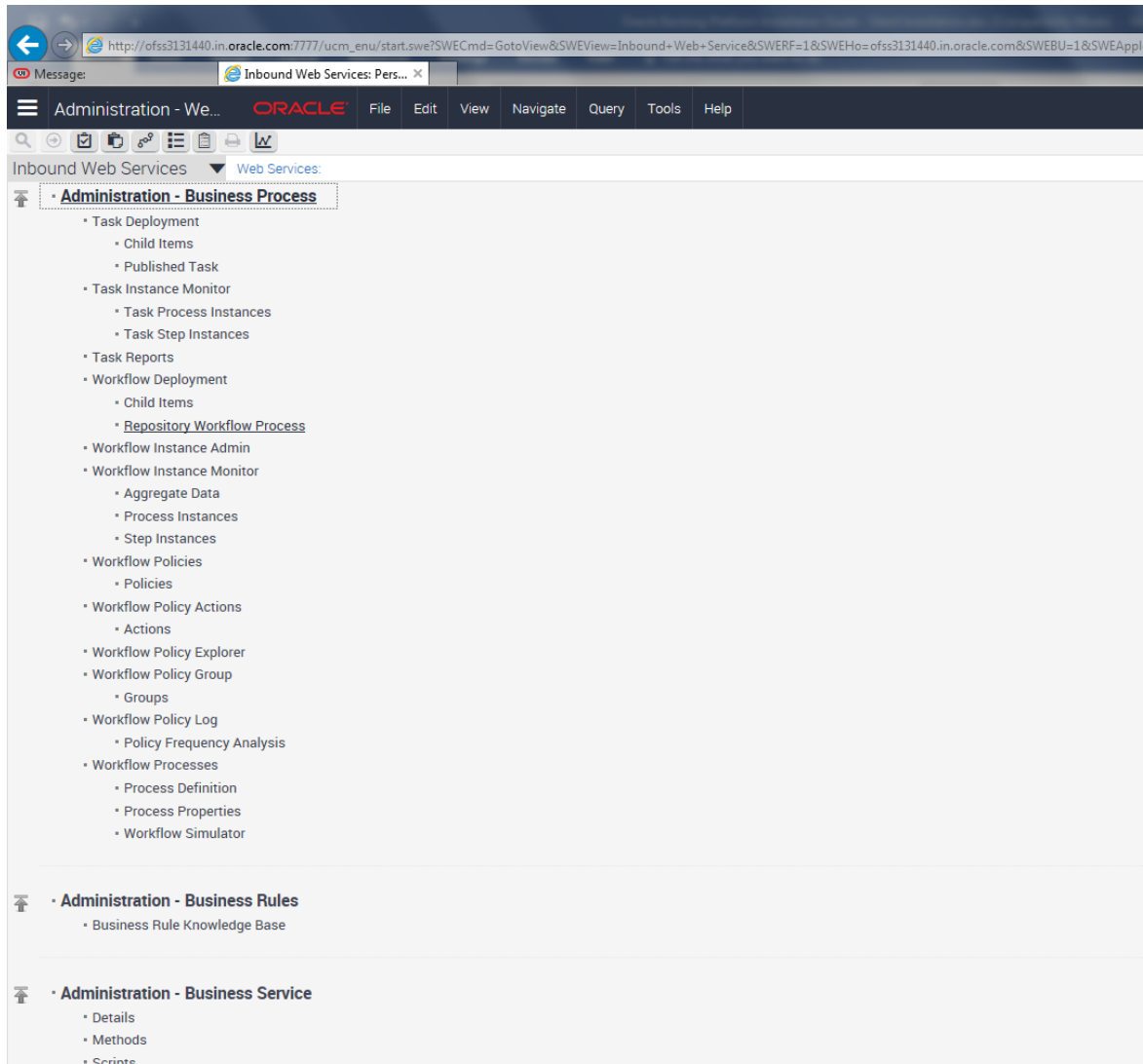
Certain customizations are required in Oracle Customer Hub for integration with OBP. The Post Installation steps for configuring them are explained the sections below.

11.2.1 Webservices

The following steps activate the workflows, following which authentication is set for all the Inbound Web Services:

1. Navigate to Application > Site Map.
2. Navigate to Administration - Business Process page.

Figure 11–6 Administration - Business Process



3. Navigate to Workflow Deployment View > Repository Workflow Process.
4. Query (Alt+Q) for the following workflows:
 - UCM Financial Asset Customer Profile Integration SOAP Process
 - UCM Financial Asset Customer Profile Integration SOAP Query Process
 - UCM Organization Customer Profile Integration SOAP Process
 - UCM Organization Customer Profile Integration SOAP Query Process
 - UCM Person Customer Profile Integration SOAP Process

- UCM Person Customer Profile Integration SOAP Query Process
 - UCM Privacy Process
5. Click **Activate** to activate all the workflows (queried in the earlier step) by selecting the record.

Figure 11–7 Repository Workflow Process

The screenshot displays the Oracle Administration Web Services interface. The main section is titled 'Repository Workflow Processes' and contains a table with the following data:

Business Object	Status	Group	Version	Mode
UCM Financial Asset Customer Profile Integration SOAP Process	Completed	Universal Cust...		0Service Flow

Below this table is a section for 'Active Workflow Processes' with a detailed table of workflow records:

Name	Version	Repository Version	Business Object	Group	Deployment Stat	Activation Date/Time	Expiration Date/Time	Replication	Monitoring Level	Analytics Level
UCM Financial Asset Customer Profile Integration SOAP Proc...	0	0		Universal Customer Master	Active	12/31/2001 11:59:59 PM		None	0 - None	None
UCM Financial Asset Customer Profile Integration SOAP Quer...	0	0		Universal Customer Master	Active	12/31/2001 11:59:59 PM		None	0 - None	None
UCM Organization Customer Profile Integration SOAP Process	0	0		Universal Customer Master	Active	12/31/2001 11:59:59 PM		None	0 - None	None

6. Navigate to Administration Web Services > Inbound Web Services.

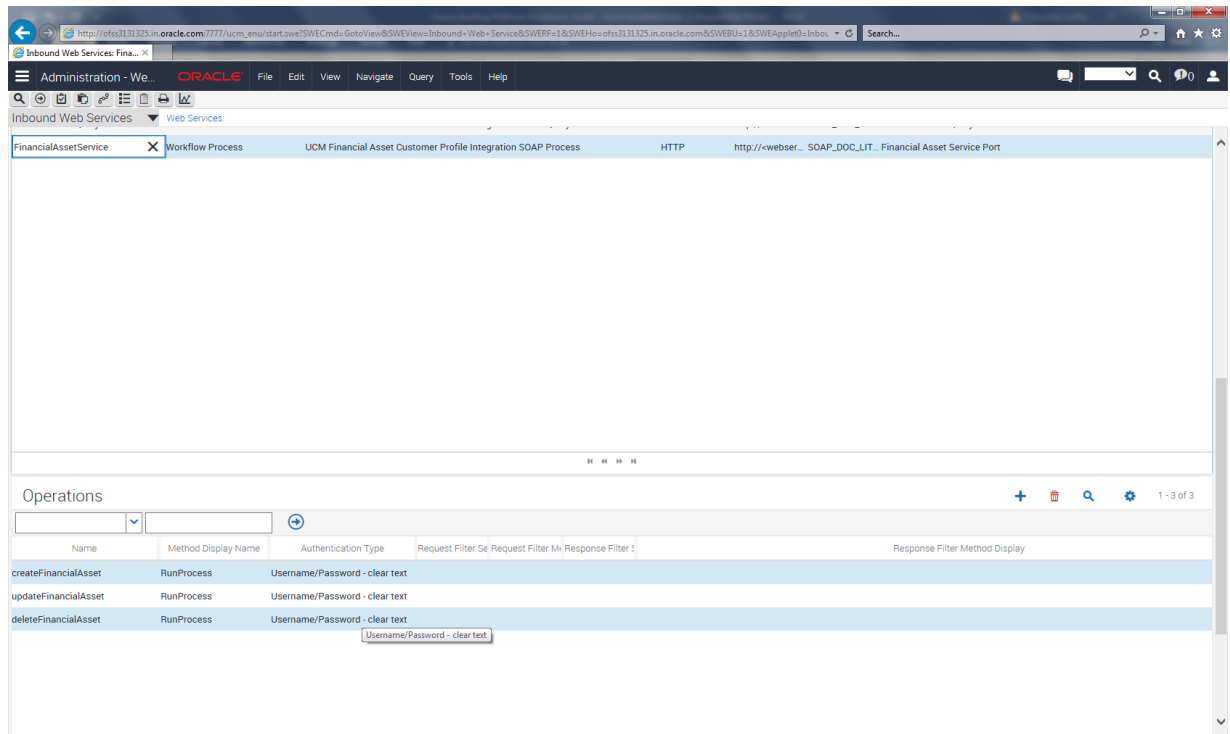
Figure 11–8 Inbound Web Services

Namespace	Name	Status	Comment
http://xmlns.oracle.com/apps/mdm/custo...	FinancialAssetCrossReferenceService	Active	UCM Financial Asset Cross Reference Web Service
http://xmlns.oracle.com/apps/mdm/custo...	FinancialAssetService	Active	UCM Financial Asset Composite Web Service

Name	Type	Business Service/Business Process Name	Transport	Address	Binding	Comment
FinancialAssetQueryService	Workflow Process	UCM Financial Asset Customer Profile Integration SOAP Query Process	HTTP	http://<webser... SOAP_DOC_LIT...	Financial Asset Query Service Port	
FinancialAssetService	Workflow Process	UCM Financial Asset Customer Profile Integration SOAP Process	HTTP	http://<webser... SOAP_DOC_LIT...	Financial Asset Service Port	

7. Set the Authentication for all the Services listed in step 9.
8. Query for the following:
 - PersonService
 - PersonCrossReferenceService
 - PersonMatchService
 - OrganizationService
 - OrganizationMatchService
 - OrganizationCrossReferenceService
 - FinancialAssetService
 - FinancialAssetCrossReferenceService
9. For each Inbound Web Service queried in the earlier step, in the Operations section and set the authentication to **Username/Password - clear text**.

Figure 11–9 Operations - Set Authentication



10. Click **Clear Cache**.

11.2.2 System Registration

To register a new system:

1. Navigate to the Administration - Universal Customer Master > System Registrations view.
2. In the System Registrations view, click **New**.
3. Enter the appropriate information in the available fields to define the system.

Figure 11–10 System Registration

1. Navigate to the Administration - Universal Customer Master screen, then the System Registrations view.

2. In the System Registrations view, click New.

3. Enter the appropriate information in the available fields to define the system.
Use [Table 25](#) for information on each of the fields.

Table 25. System Fields

Field	Description
System ID	The System ID represents an identifier for a system that accesses Oracle Master Data Management Applications. This number can be an IP address or some other means to identify a system.
System Name	The System Name is the name of the system that accesses Oracle Master Data Management Applications.
Protocol Type	The protocol that a system uses to access Oracle Master Data Management Applications. Currently, this value is HTTP, MQSeries, or JMS.
Queue Manager Name	The name of the queue manager that receives and sends messages from Oracle Master Data Management Applications. It is applicable only when the protocol type selected is MQSeries.
Queue Receiver Channel	The name of the queue configured on the Queue Manager to receive requests and send responses. It is applicable only when the protocol type selected is MQSeries.
URL	URL destination for posting responses to messages. Only applicable when protocol type is HTTP.
Connection Factory	The name of the connection factory; that is, the connection to the JMS provider. It is applicable only when the protocol type selected is JMS.
Send Queue	Specifies the JMS queue to which messages are sent. Send Queue is applicable only when the protocol type selected is JMS.
Description	The description of the system accessing Oracle Master Data Management Applications.
Comment	Comments regarding the system accessing Oracle Master Data Management Applications.

Use the following task to delete a system from Oracle Customer Hub (UCM).

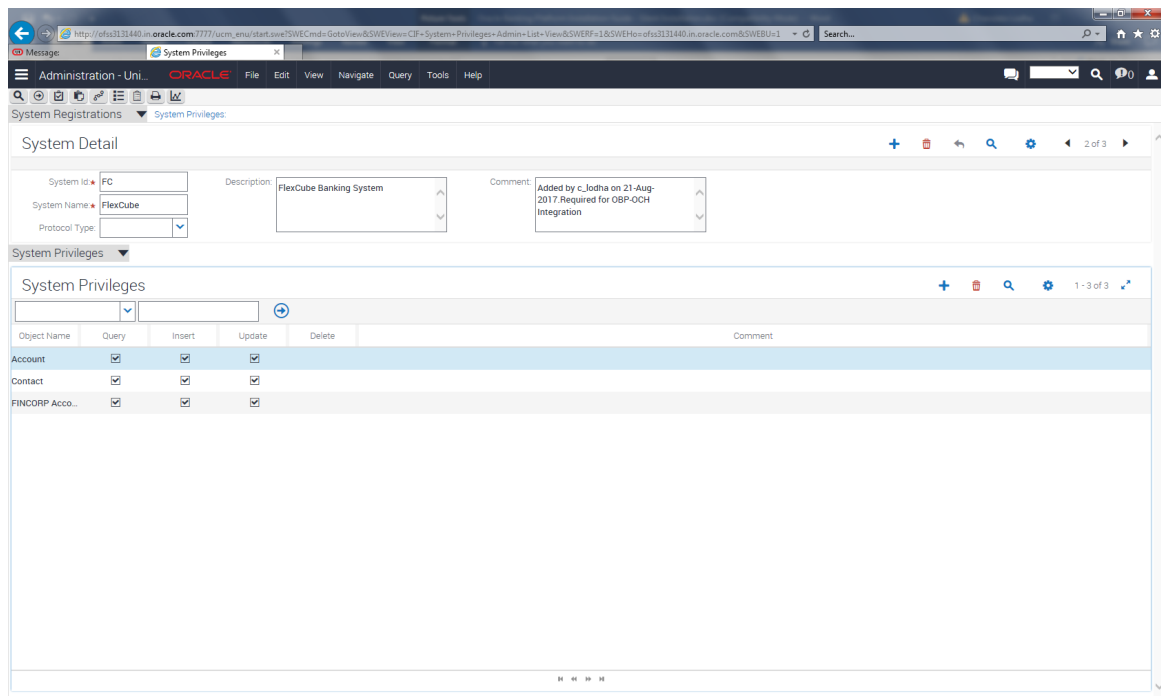
To delete a system

- Navigate to the Administration - Universal Customer Master screen, then the System Registrations view.
- From the link bar, select System Registrations.
- In the System Registrations list, select the system of interest.
The System Registrations form for this system, which appears under the list, provides detailed information on this system.
- In the System Registrations form, click Delete.
A confirmation dialog appears.
NOTE: Deleting registered systems can create foreign key integrity violations because external systems might still contain references to deleted foreign keys in operations, such as cross-referencing, survivorship definitions, source data, history records, and so on.
- Click OK to delete the system.

11.2.3 Set System Privileges

To set a system's privileges:

- Navigate to the Administration - Universal Customer Master > System Registrations view.
- From the Systems Registrations list, select the system of interest, and click the link in the **System ID** field.
- From the System Detail view, click the System Privileges tab.
- In the System Privileges view, click **New**.

Figure 11–11 System Detail

11.2.4 Seed LOV Addition

This section explains the procedure to add seed data to LOV.

1. Navigate to Administrative - Data > List of Values.
2. Query for the LOV Type.
3. Create a new record.
 - OBP's Code maps to -> Language-Independent Code (LIC) of OCH
 - OBP's Display Value maps to -> Display Value of OCH
4. Add the following:

Type (eg. CONTACT_TYPE)

Display Value (eg: Individual)

Language Independent Code (eg: IND)

Language Name : ¿ English-American¿

Order (put a numeric value*)

Active (It¿s a checkbox. So, mark it as active)

*Order is an Optional field. But some picklist may have search spec on Order.

Eg : [Order By]<3

It is recommended to put the value of order as the next number in the sequence or refer the picklist

definition for the valid range of order for that LOV Type in Picklist Definition in Siebel Tools.

5. After all the values get added, click **Clear Cache**.

11.3 OBP related Customizations Required in OCH

This section provides details about OBP related customizations required in OCH.

11.3.1 Account Type field addition in LS Product Form Applet More Info Applet

Following are the steps to set the field Account Type of FINCORP Account through UI:

1. Launch the Siebel Tool.
2. In the Object Explorer, select the object Applet.
3. Query for the applet LS Product Form Applet More Info. Note that this is same applet where the customer is suggested to set the field Category for their usage.
4. Select the applet record, right-click and select **Lock Object**.
5. Expand the Applet tree in the object explorer and select **Applet Web Template**.
6. Select the record with name Edit in the list of displayed records at second level.
7. Right-click and select **Edit Web Layout**. The applet's form layout is displayed.
8. From the Controls/Columns pane, identify the controls with the name FINS Product Type. There should be two records with names as FINS Product Type, and FINS Product Type Label. One refers to control and the other refers to Caption.
9. Drag the two controls on to the applet at any desired space of customer's choice. Note that the controls should not overlap each other.
10. Close the web layout by clicking the X mark on the window. The system prompts to save the changes.
11. Select **Yes**. The web layout closes and displays the applet details again.
12. Re-query the applet and compile the changes on to the SRF.
13. Bring down the services in the server, and replace the SRF.
14. Restart the services and test.

11.4 Changing the LOV from COUNTRY to COUNTRY_CODE for UCM Country of Incorporation

This section provides information on changing the picklist for UCM Country of Incorporation field in Account BC.

- Account BC
- Pick List Country NXG

To change the picklist:

1. Launch Siebel Tools.
2. In the Object Explorer, select the object Project.

3. Right-click the record pane and select **New Record** to create new project if NXG is not present already.
4. Provide the name as NXG and set the property Locked to True.
5. Save the record by stepping off the record or Ctrl + S.
6. In Object Explorer, click the object pick list. It should display some list of available record.
7. Right-click the record pane and select **New Record**. An empty record is created in the record pane.
8. Enter the new record details as follows:

Table 11–1 New Record Details

Entity	Value	Comments
Name	PickList Country NXG	Any name of customer's choice
Project	NXG	Any project of customer's choice. Preferably, the same project name, which is used for custom repository can be provided.
Bounded	TRUE	Should be checked
Static	TRUE	Should be checked
Business Component	List Of Values	Should be mentioned as is
No Delete, No Insert, No Merge, No Update	TRUE	Should be checked
Type Field	Type	Should be mentioned as is
Type Value	COUNTRY_CODE	Should be mentioned as is

9. Save the record by stepping off the record or Ctrl + S.
10. Query the business component in which the customer wants this picklist to be used. The BC name is **Account**.
11. Expand this BC in the object explorer and click its field entity.
12. Query for the field UCM Country of Incorporation.
13. Select UCM Country of Incorporation field and perform the following changes in it.

Table 11–2 Picklist Country NXG

Property Name	Value	Comments
Picklist	PickList Country NXG	The new picklist which is created.

11.5 Setting Hierarchical Picklist for Country and State

The Hierarchical Picklist changes are as follows:

- Personal Address BC
- CUT Address BC

- Pick List Country Code NXG
- Picklist State NXG

The detailed steps of configuring Hierarchical Picklists are as follows:

1. Launch Siebel Tools.
2. In the Object Explorer, select the object Project.
3. Right-click the record pane and select **New Record** to create new project if NXG is not present already.
4. Provide the name as NXG and set the property Locked to True.
5. Save the record by stepping off the record or Ctrl + S.
6. In Object Explorer, click the object pick list. It should display a list of available records.
7. Right-click the record pane and select **New Record**. An empty record is created in the record pane.
8. Provide the new record details as follows:

Table 11–3 New Record Details

	Value	Comments
Name	PickList Country NXG	Any name of customer choice
Project	NXG	Any project of customer's choice. Preferably, the same project name, which is used for custom repository can be provided.
Bounded	TRUE	Should be checked
Business Component	PickList Hierarchical	Should be mentioned as is
No Delete, No Insert, No Merge, No Update	TRUE	Should be checked
Type Field	Type	Should be mentioned as is
Type Value	COUNTRY_CODE	Should be mentioned as is

9. Save the record by stepping off the record or Ctrl + S.
10. Right-click the record pane and select **New Record** again. An empty record is created in the record pane.
11. Provide the new record details as follows:

Table 11–4 New Record Details

	Value	Comments
Name	PickList Country NXG	Any name of customer choice
Project	NXG	Any project of customer's choice. Preferably, the same project name, which is used for custom repository can be provided.

	Value	Comments
Bounded	TRUE	Should be checked
Business Component	PickList Hierarchical	Should be mentioned as is
No Delete, No Insert, No Merge, No Update	TRUE	Should be checked
Type Field	Type	Should be mentioned as is
Type Value	STATE_ABBREV	Should be mentioned as is

12. Save the record by stepping off the record or Ctrl + S.
13. In Object Explorer Click on the object Business Component. It should display some list of available records.
14. Query the business component in which the customer want this Picklist to be used.
15. The BC names are Personal Address and CUT Address. Do the steps from 16 to 21 for both the BCs: Personal Address and CUT Address.
16. Expand this BC in the object explorer and click its field entity.
17. Query for the field Country.
18. Select Country field and do the following changes in it.

Table 11–5 Picklist County NXG

Property Name	Value	Comments
Picklist	PickList Country NXG	The new picklist which is created in point 8 above.
Immediate Post Changes	TRUE	Set this property to true

19. Expand this entity Field and select Pick Map. Create new records as mentioned below.

Table 11–6 Picklist County NXG

Name	Constrain	Picklist Field
Country	NULL	Value
State	NULL	NULL

20. Query for the field State.
21. Select State field and do the following changes in it.

Table 11–7 Picklist Country NXG

Property Name	Value	Comments
Picklist	PickList Country NXG	The new picklist which is created in Point 11 above.
Immediate Post Changes	TRUE	Set this property to true

22. Expand this entity field and select Pick Map. Create new records as mentioned below.

Table 11–8 New Record Details

Name	Constrain	Picklist Field
Country	TRUE	Parent
State	NULL	Value

23. Create the LOV Types if the LOV Types are not present in their OCH.

Seed Data:

With the above mentioned repository changes it is assumed that the customer has two LOV types with names COUNTRY_CODE, and STATE_ABBREV in their custom repository.

If these LOV types are non-existent and if you want to create these new LOV types then follow the below steps:

Creating New LOV Types:

The steps to create new List of Values are as follows:

- a. Launch Siebel UCM Application with Proper Credentials.
- b. Navigate to Site Map ->Administration Data->List of Values.
- c. In the displayed list applet create two new records with the details below.

Table 11–9 New record details

Type	Replication Level
COUNTRY_CODE	All
STATE_ABBREV	All

In case, if the customer wants to use Siebel Provided LOV types then you can ignore the above section. However, they have to mention the correct LOV type, which they want to use in the Type Value field in the Siebel Repository section in Points 8 and 11.

24. Add states for Australia to LOV:

Creating New LOV Types:

The steps to create new List of Values are as follows:

- a. Launch Siebel UCM Application with Proper Credentials.
- b. Navigate to Site Map ->Administration Data->List of Values.
- c. If Australia is not present in COUNTRY_CODE, then in the displayed list applet create new records (new LOV values) for COUNTRY as below:

Table 11–10 New LOV Values

Type	Display Value	Language-Independent Code	Language Name	Parent LIC	Order
COUNTRY_CODE	AU	Australia	English-American	NULL	13

25. Similarly, create new records (new LOV values) for STATES as below:

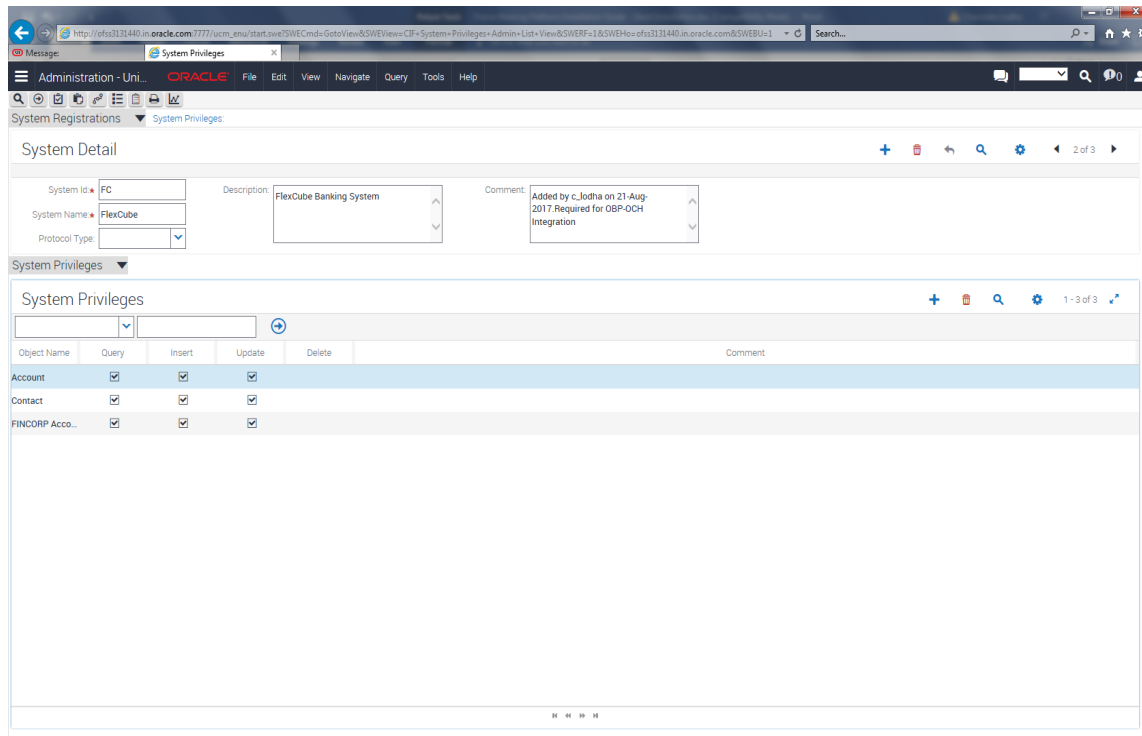
Table 11–11 New record details

Type	Display Value	Language-Independent Code	Language Name	Parent LIC	Order
STATE_ABBREV	NSW	NSW	English-American	Australia	1
STATE_ABBREV	NSW	NSW	English-American	Australia	2
STATE_ABBREV	TAS	TAS	English-American	Australia	3
STATE_ABBREV	NT	NT	English-American	Australia	4
STATE_ABBREV	WA	WA	English-American	Australia	5
STATE_ABBREV	SA	SA	English-American	Australia	6
STATE_ABBREV	ACT	ACT	English-American	Australia	7
STATE_ABBREV	VIC	VIC	English-American	Australia	8

Note that the above list is not final. The customer has to add the records as per their requirement. Only key point here is that the Parent LIC value should be mentioned correctly.

Select the Parent LIC whose Type property is COUNTRY_CODE and Parent Display Value is AU (first record as shown in the screenshot below).

Figure 11–12 Pick Parent



11.6 Change of Picklist for Relationship

The New Picklist details are :

- Asset Account Relation PickList NXG
- Asset Contact Relation PickList NXG

The steps are as follows:

1. Launch Siebel Tools.
2. In the Object Explorer, select the object Project.
3. Right-click the record pane and select **New Record** to create new project if NXG is not present already.
4. Provide the name as NXG. Set the property Locked to True.
5. Save the record by stepping off the record or Ctrl + S.
6. In Object Explorer, click the object Pick List. It should display a list of available records.
7. Right-click the record pane and select **New Record**. An empty record is created in the record pane.
8. Give the new record details as below:

Table 11–12 New Record Details

	Value	Comments
Name	Asset Account Relation PickList NXG	Any name of customer's choice.
Project	NXG	Any project of customer's choice. Preferably, the same project name, which is used for custom repository can be provided.
Bounded	TRUE	Should be checked
Static	TRUE	Should be checked
Business Component	PickList Generic	Should be mentioned as is
No Delete, No Insert, No Merge, No Update	TRUE	Should be checked
Type Field	Type	Should be mentioned as is
Type Value	AUTO_ASSET_ ACCNT_REL	Should be mentioned as is

9. Save the record by stepping off the record or Ctrl + S.
10. Save the record by stepping off the record or Ctrl + S.
11. Query the business component in which the customer want this Picklist to be used. The BC name is FINCORP Account.
12. Expand this BC in the object explorer and click its field entity.
13. Query for the field **Relationship**.
14. Select the **Relationship** field and do the following changes in it.

Table 11–13 Asset Account Relation PickList NXG

Property Name	Value	Comments
Picklist	Asset Account Relation PickList NXG	The new picklist which is created in Point 8 above

15. Expand this entity field and select Pick Map. Create new records as mentioned below.

Table 11–14 Asset Account Relation PickList NXG

Name	Constrain	Picklist Field
Relationship		Value

16. Right-click the record pane and select **New Record**. An empty record will be created in the record pane.
17. Provide the new record details as below:

Table 11–15 New Record Details

	Value	Comments
Name	Asset Account Relation PickList NXG	Any name of customer choice
Project	NXG	Any project of customer's choice. Preferably, the same project name, which is used for custom repository can be provided.
Bounded	TRUE	Should be checked
Static	TRUE	Should be checked
Business Component	PickList Generic	Should be mentioned as is
No Delete, No Insert, No Merge, No Update	TRUE	Should be checked
Type Field	Type	Should be mentioned as is
Type Value	AUTO_ASSET_CON_REL	Should be mentioned as is

18. Query the business component in which the customer want this Picklist to be used. The BC name is **FINCORP Account Contact**.
19. Expand this BC in the object explorer and click its field entity.
20. Query for the field Type.
21. Select Type field and do the following changes in it.

Table 11–16 Asset Contact Relation Picklist NXG

Property Name	Value	Comments
Picklist	Asset Contact Relation PickList NXG	The new picklist which is created in Point 17 above.

22. Expand this entity Field and select Pick Map. Create new records as mentioned below.

Table 11–17 Picklist County NXG

	Constrain	Picklist field
Type		Value

11.7 OSC Server Configuration in OBP

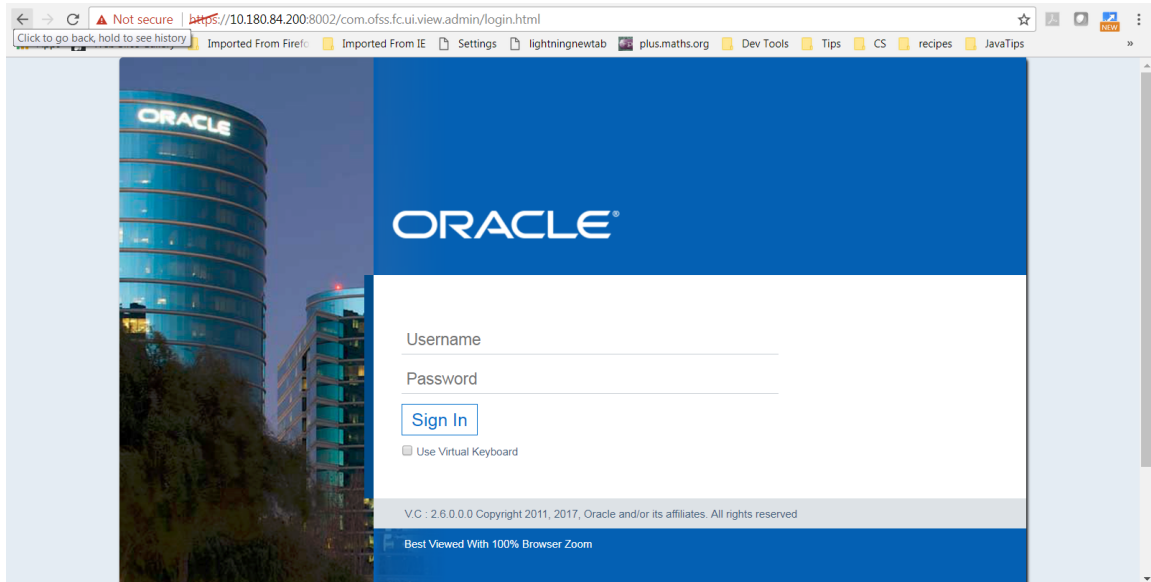
OBP integrates with Oracle Sales Cloud (OSC) using the ICS integration and UI Mashup. The OSC base URL is present as part of seed data. For the integration to work, IP address and port of OSC server need to be configured in OBP.

Following are the steps to configure OSC so that it can integrate with OBP:

1. Log on to the admin URL of OBP using the username and password set in OID.

`https://<hostserver>:<port>/com.ofss.fc.ui.view.admin/login.html`

Figure 11–13 OBP Admin Login



2. Navigate to Configurations -> Configuration Variables Information (Fast Path: CFG01).

Figure 11–14 Navigate to Configurations

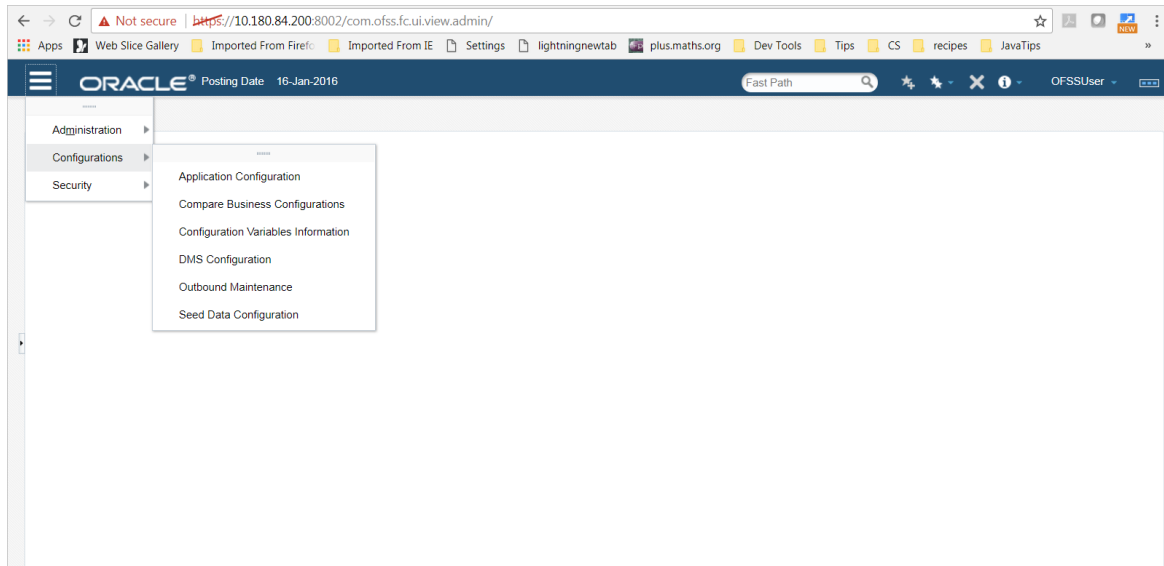
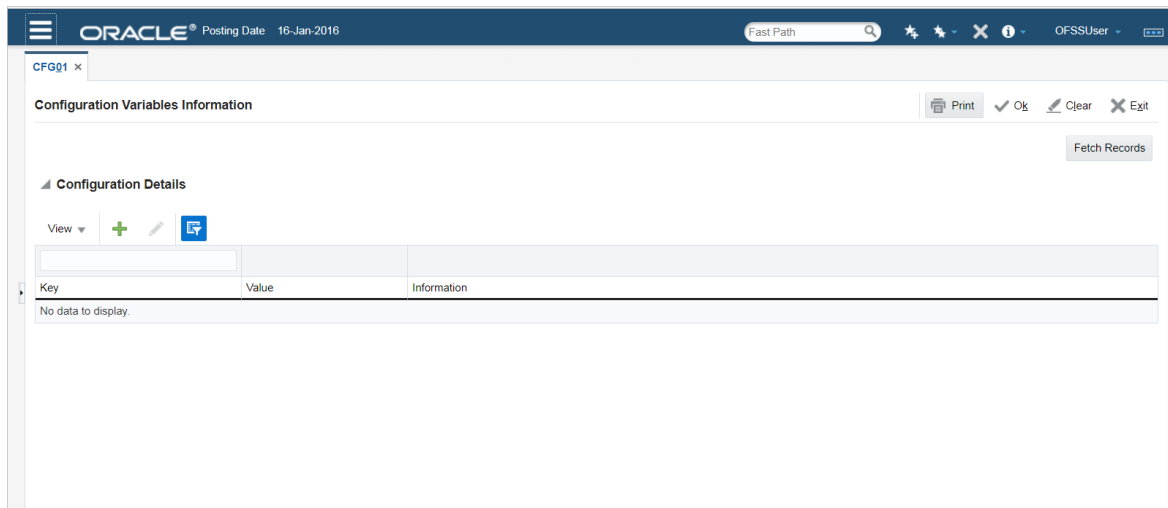
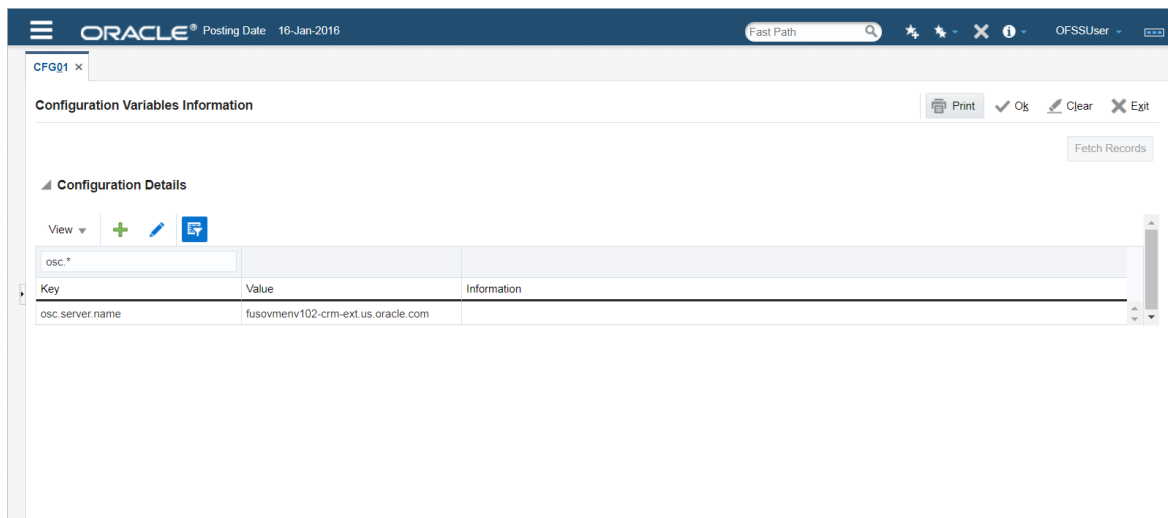


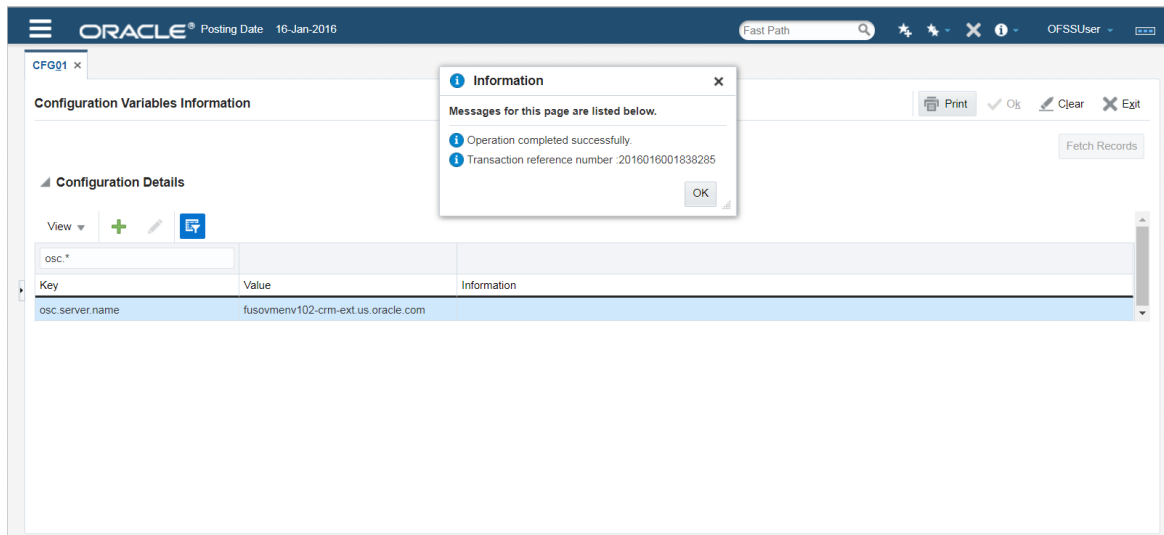
Figure 11–15 Configuration Variables Information (Fast Path: CFG01)

3. Click **Fetch Records**.
4. Search the text: osc.*

Figure 11–16 Search osc.*

5. Update the server name and click **Ok**.

Figure 11–17 Update Server Name



11.8 Registering OBP Cloud Adapter in ICS

For applications (OSC) using ICS integration pattern, OBP Cloud adapter needs to be registered in ICS Pod. The steps for registering are as follows:

1. Changes to be done in setDomainEnv are as follows:
 - a. Navigate to the directory \$INSTALL_DIR/ICSOP/data/user_projects/domains/expanded_domain/bin.
 - b. Search for POST_CLASSPATH.

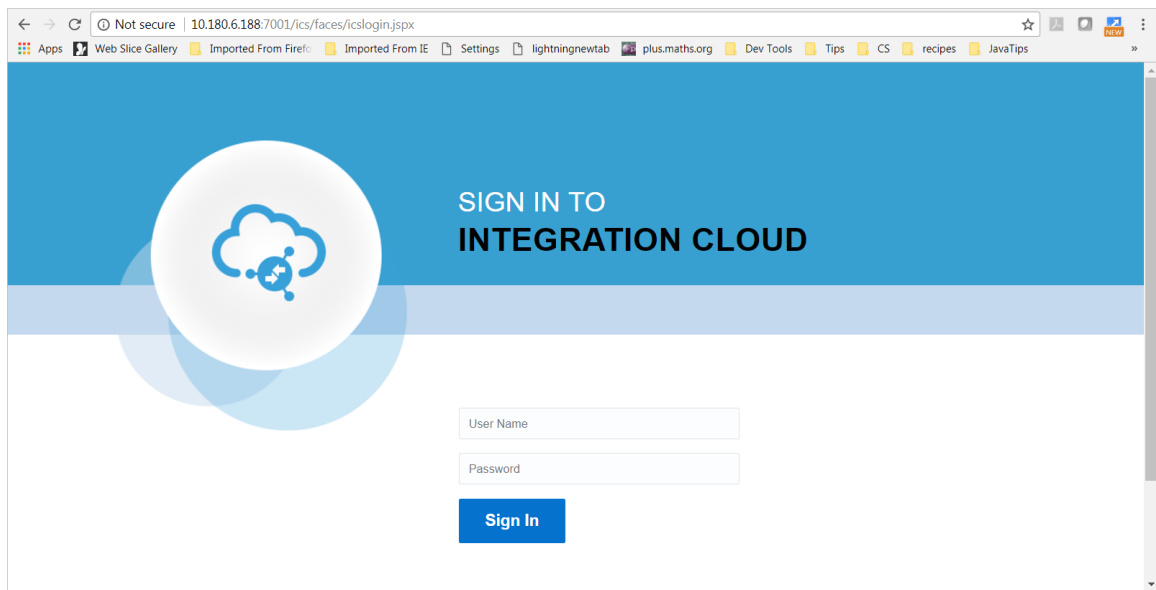
Add the following entry:

```
POST_
CLASSPATH="/scratch/app/product/ics/ICSOPInstall/ICSOP/app/Oracle/Middleware/Oracle_Home/soa/soa/modules/oracle.soa.common.adapters_
11.1.1/oracle.soa.common.adapters.jar${CLASSPATHSEP}/scratch/app/product/ics/ICSOPInstall/ICSOP/app/Oracle/Middleware/Oracle_Home/soa/soa/modules/oracle.cloud.adapter_
12.1.3/oracle.cloud.adapter.jar${CLASSPATHSEP}/scratch/app/product/ics/ICSOPInstall/ICSOP/app/Oracle/Middleware/Oracle_Home/soa/soa/modules/oracle.cloud.adapter_
12.1.3/obpcloudadapter.jar${CLASSPATHSEP}${POST_CLASSPATH}"
export POST_CLASSPATH
```

- c. Restart admin and ICS server.
2. Log in to ICS server using the following URL:

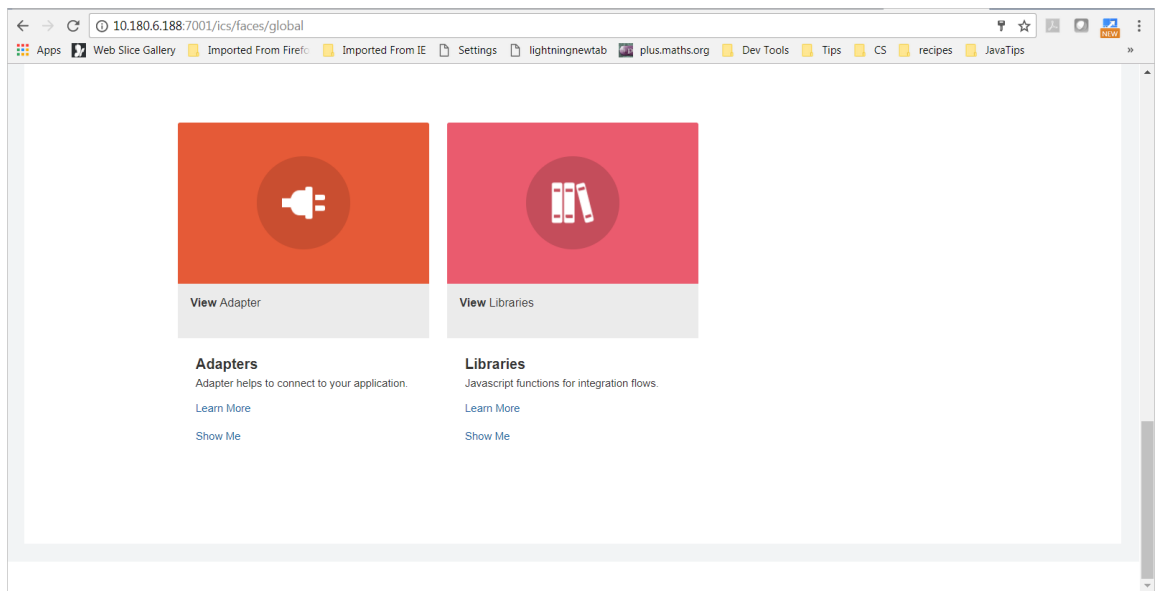

```
http://<icsserver>:<port>/ics/faces/icslogin.jspx
```

Figure 11–18 ICS Server Login



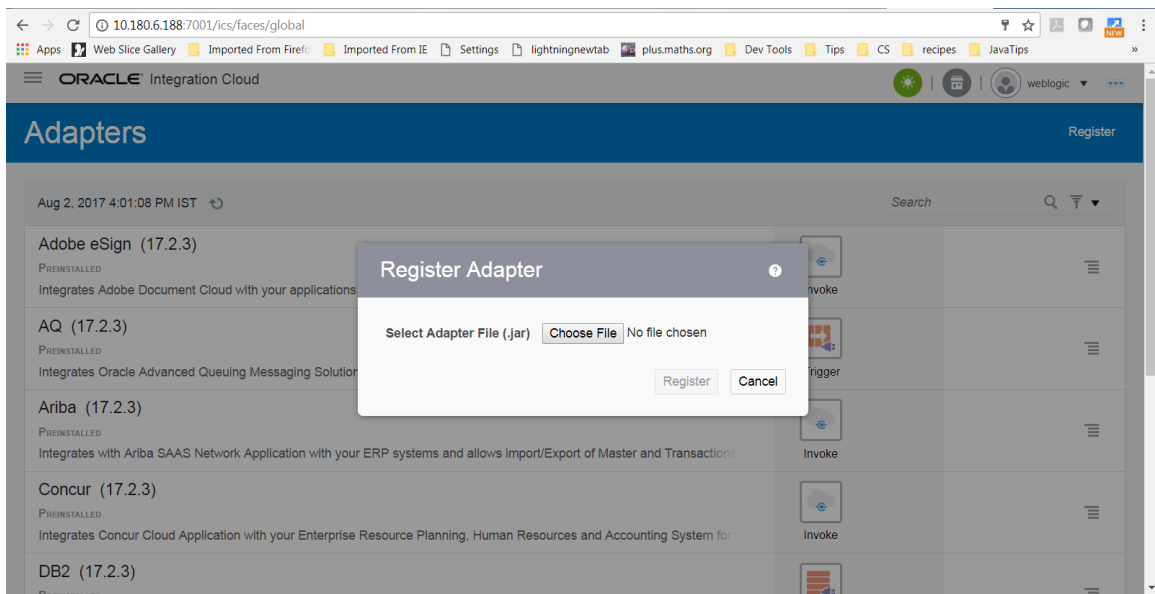
3. Navigate to the Adapter tab.

Figure 11–19 Navigate to Adapter tab



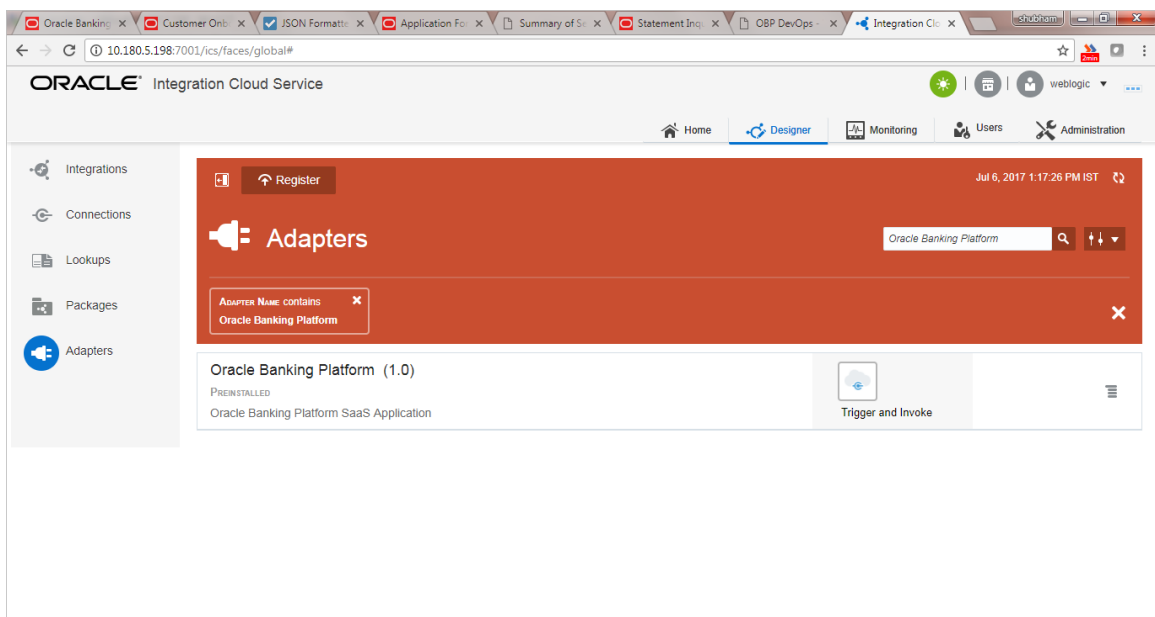
4. Click Register and upload the adapter jar available in media pack.

Figure 11–20 Register Adapter



After registration it should show the adapter as pre-installed when you search for the record.

Figure 11–21 Pre-installed Adapter



12 BIP Datasource Creation

This chapter explains the steps required for Oracle Banking Platform BIP (BI Publisher) datasource creation.

12.1 BIP Datasource Creation

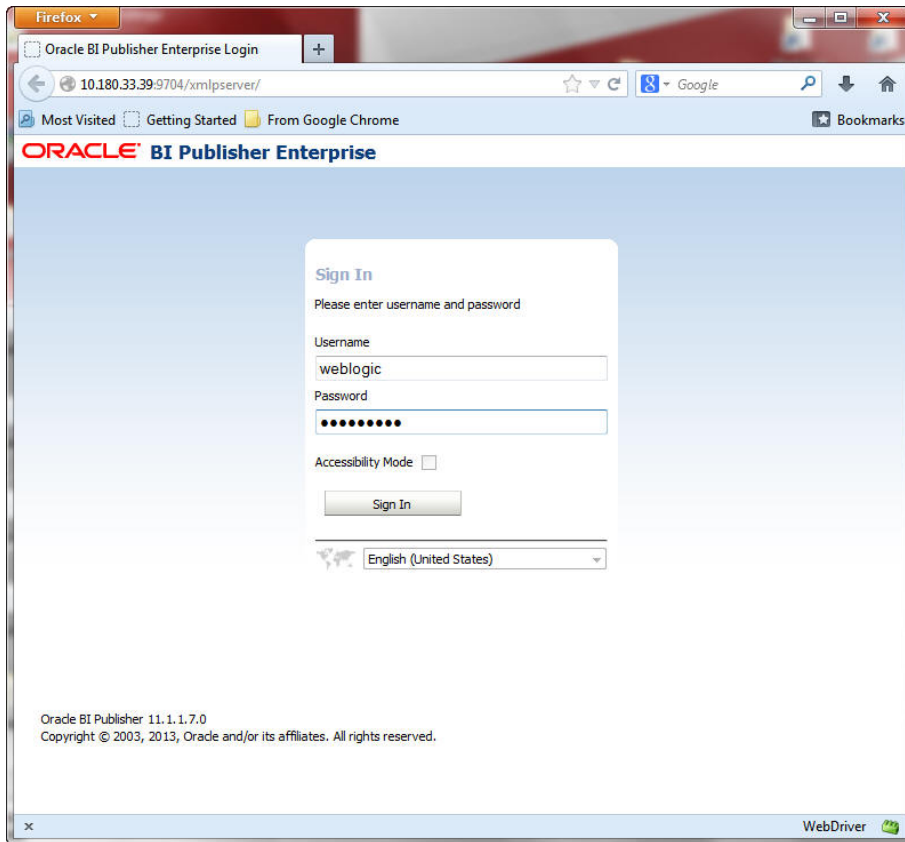
To use BIP, it is required to create datasource in BIP server. This can be done after Host pre-install. The data source must point to the same db schema as given in BIP_DATASOURCE_NAME in installobphost.properties.

Follow the below mentioned steps to create the datasource:

1. Open a browser and navigate to:
<BIP_SERVER_IP>:<BIP_SERVER_PORT>/xmlpserver
2. Log on using the following credentials:

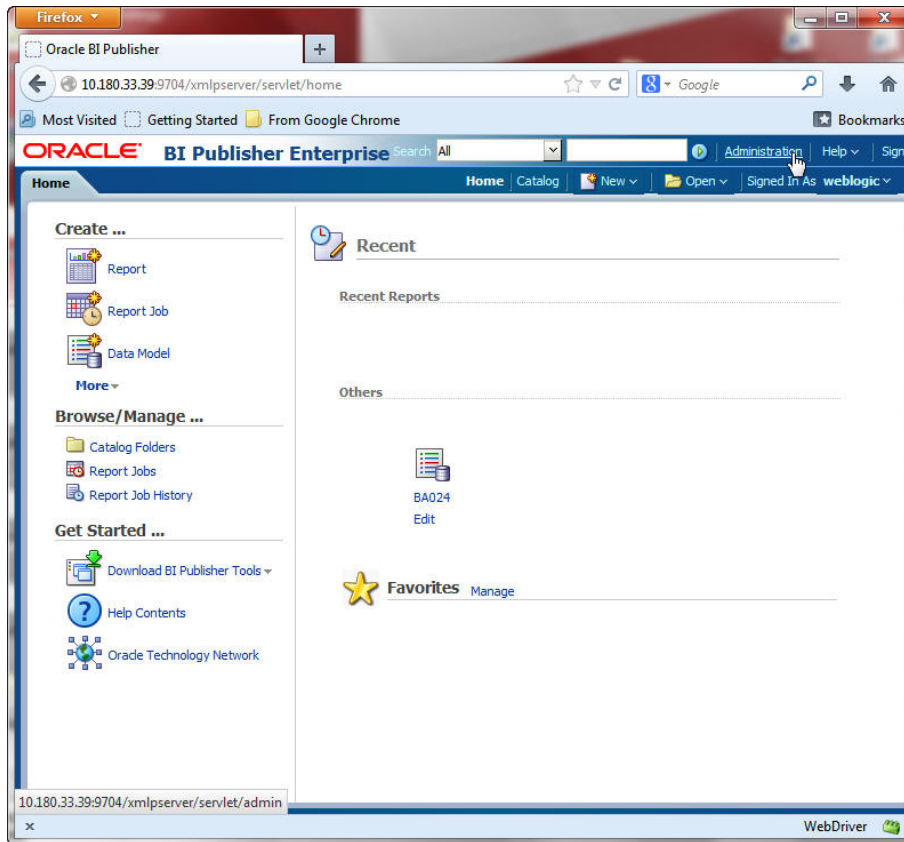
Username	<BIP_SERVER_USER>
Password	<BIP_SERVER_PSWD>

Figure 12–1 BIP Server Console Login



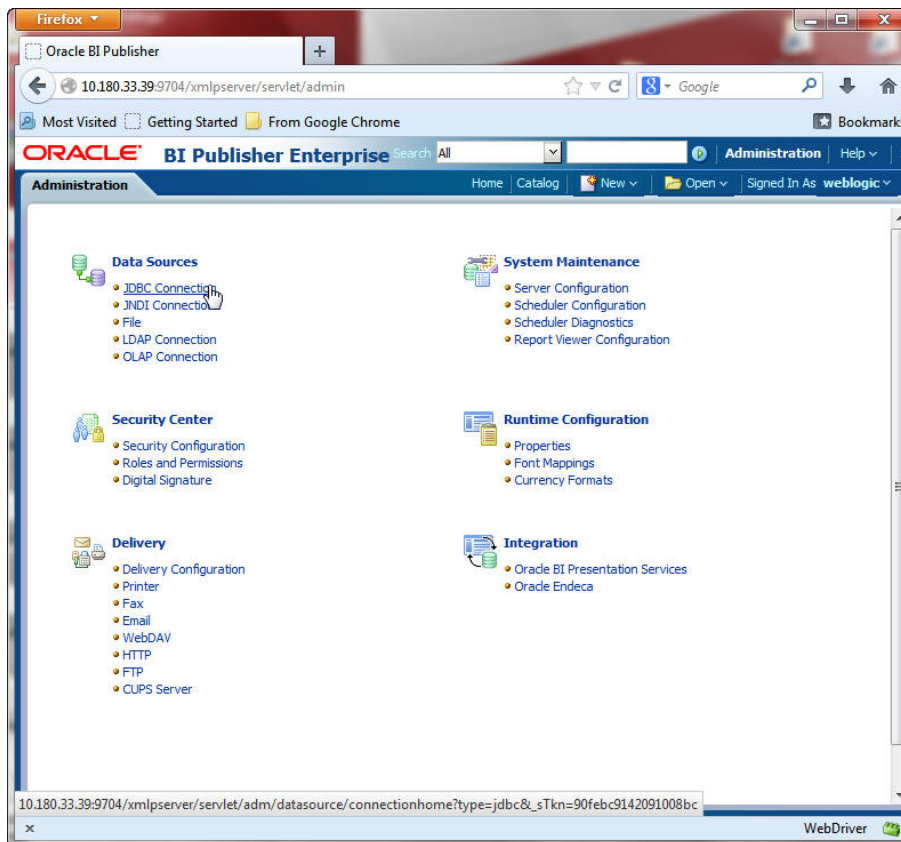
3. After logging in, click **Administration**.

Figure 12–2 BIP Administration



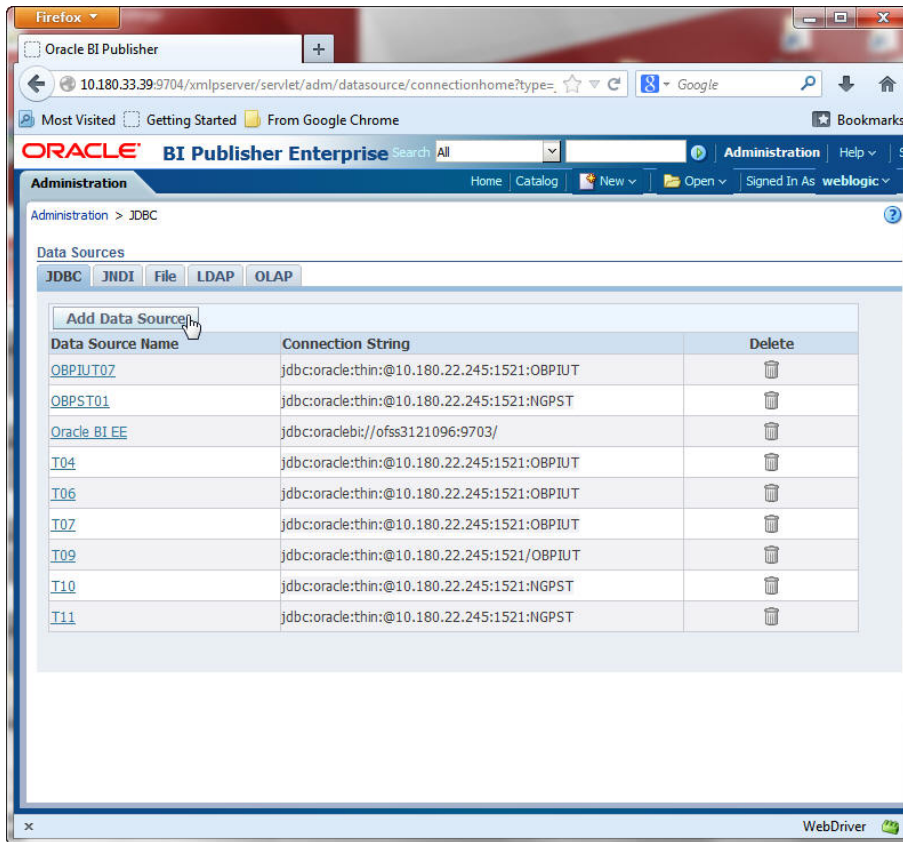
4. Click **JDBC Connection** under **Data Sources**.

Figure 12–3 BIP JDBC Connection



5. Click the **Add Data Source** button.

Figure 12–4 BIP - Add Data Source



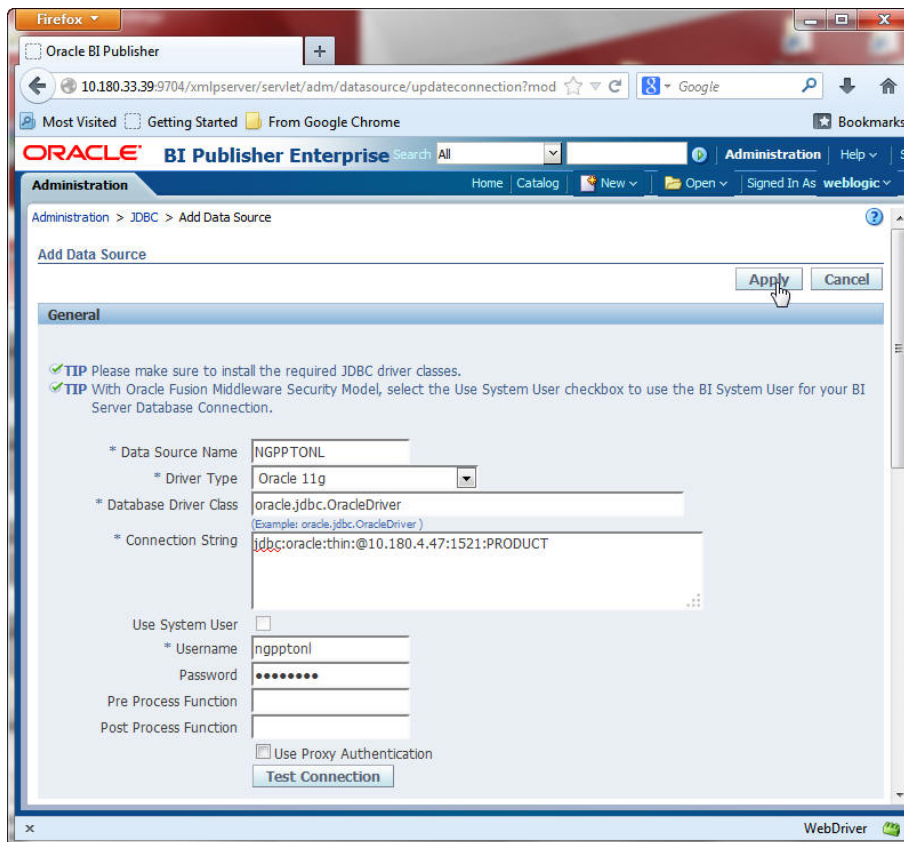
- Fill up the following fields:

Table 12–1 Data Source Details

Field Name	Description
Data Source Name	Any name can be given here
Driver Type	Oracle 11g
Database Driver Class	oracle.jdbc.OracleDriver
Connection String	jdbc:oracle:thin:@<OBP_HOST_DB_IP>:<OBP_HOST_DB_PORT>:<OBP_HOST_DB_SERVICE_NAME>
Username	<BIP_DATASOURCE_NAME>
Password	<OBP_HOST_DB_PASSWORD>

- Click **Ok**.

Figure 12–5 BIP Data Source Created



13 ODI Configuration

This chapter details steps involved in the configuration of ODI. Before configuring ODI, you need to install the required ODI version mentioned in [Section 3.1.2.1 Certification Details](#).

You can configure ODI using `odi.tar.gz`. ODI configuration zip is present inside the `ob-utils zip/Insights.zip`.

13.1 Configuration Procedure

Following are the steps required for ODI configuration using `ob-utils zip/Insights.zip`:

1. Create master and work repository using RCU. At the end of RCU run, master and work repository is created in one schema.
2. Create a staging area to copy all the scenarios from `ob-utils.zip\Insights.zip\odi.tar.gz\odi.tar`.
3. Follow ODI Level Configurations mentioned in [Section 16 Analytics Configuration](#).
4. Create data source for master and work repository with schema and DB details based on step 1.
 - `odiMasterRepository` for Master Repository having JNDI name: `jdbc/odiMasterRepository`.
 - `odiWorkRepository` for Work Repository having JNDI name: `jdbc/odiWorkRepository`.
5. Create three more data sources in the ODI domain.
 - `odiOCSA` for CSA DB having JNDI name: `jdbc/odiOracleCsa`
 - `odiUploadOBP` for OBP DB having JNDI name: `jdbc/odiUploadOBP`
 - `odiOBP` for source DB having JNDI name: `jdbc/odiOBP`
6. Deploy agent from staging area in ODI domain.
7. Create one data source to access reporting db (`jdbc/FCBDataSourceODI`) with the name `OBP_HOST_ODI_XA` in host domain where batch will run.
8. Make the entry for `WSDL_URL` in `odi.properties` file in host domain where batch will run.

Example: `WSDL_URL =`

`http://<ODIDOMAINSERVER>:8080/oracle12diagent/OdiInvoke?WSDL`

14 Swagger UI Deployment

This chapter explains the steps involved in the deployment of Swagger UI on the UI server.

Make the following changes in the scripts:

1. Unzip the files sequentially and locate the SwaggerUI folder.

ob-utils.zip\Add-ons-Utilities.zip\SwaggerUI.tar.gz\SwaggerUI.tar\SwaggerUI

Figure 12–6 Unzip files

```

ofssobp@mum00adi/scratch/install/swagger
Using username "ofssobp".
Last login: Fri May 11 18:27:29 2018 from dhcp-10-180-59-13.in.oracle.com
To make changes, please use the "Host & Devices" widget on the Uno (uno.oraclecorp.com) portal.
Additional hosts may be reserved via the "Request Computing Resources" widget on the same site.

User: atul.chavan
Expires: None

Reservation type: group
  This host is currently reserved for group use by the user above.

Use:

Host specific info (below) - you can modify contents of /etc/motd_hostinfo as needed to update data:

[ofssobp@mum00adi ~]$ cd /scratch/install/swagger
[ofssobp@mum00adi swagger]$ ls
ob-utils.zip
[ofssobp@mum00adi swagger]$ unzip ob-utils.zip
Archive:  ob-utils.zip
  extracting: Insights.zip
  extracting: Add-ons-Utilities.zip
[ofssobp@mum00adi swagger]$ ls
Add-ons-Utilities.zip  Insights.zip  ob-utils.zip
[ofssobp@mum00adi swagger]$ unzip Add-ons-Utilities.zip
Archive:  Add-ons-Utilities.zip
  inflating: PatchUtility.tar.gz
  inflating: em-monitor.tar.gz
  inflating: SwaggerUI.tar.gz
  inflating: MaskingEncryption.tar.gz
  extracting: upgrade-pack.zip
[ofssobp@mum00adi swagger]$ ls
Add-ons-Utilities.zip  em-monitor.tar.gz  Insights.zip  MaskingEncryption.tar.gz  ob-utils.zip  PatchUtility.tar.gz  SwaggerUI.tar.gz  upgrade-pack.zip
[ofssobp@mum00adi swagger]$ tar -xf SwaggerUI.tar.gz
[ofssobp@mum00adi swagger]$ ls
Add-ons-Utilities.zip  Insights.zip          ob-utils.zip          SwaggerUI              upgrade-pack.zip
em-monitor.tar.gz     MaskingEncryption.tar.gz  PatchUtility.tar.gz  SwaggerUI.tar.gz
[ofssobp@mum00adi swagger]$ cp -r SwaggerUI /scratch/app/product/fmw/obpininstall/obp/ob.ui.applications/
[ofssobp@mum00adi swagger]$
  
```

2. Copy SwaggerUI folder to following path:

/scratch/app/product/fmw/obpininstall/obp/ob.ui.applications

3. Unzip yaml.zip to yaml folder.

For example, unzip yaml.zip -d

/scratch/app/product/fmw/obpininstall/obp/ob.ui.applications/SwaggerUI/yaml

4. Deploy folder as application through weblogic console.

Figure 12–7 Deploy yaml folder

The screenshot shows the Oracle WebLogic Server Administration Console interface. The browser address bar displays the URL: 10.180.85.196:7001/console/console.portal?_nfpb=true&_pageLabel=HomePage1. The page title is "ORACLE WebLogic Server Administration Console 12c".

The main content area is titled "Home Page" and "Home > Summary of Deployments". It features several sections:

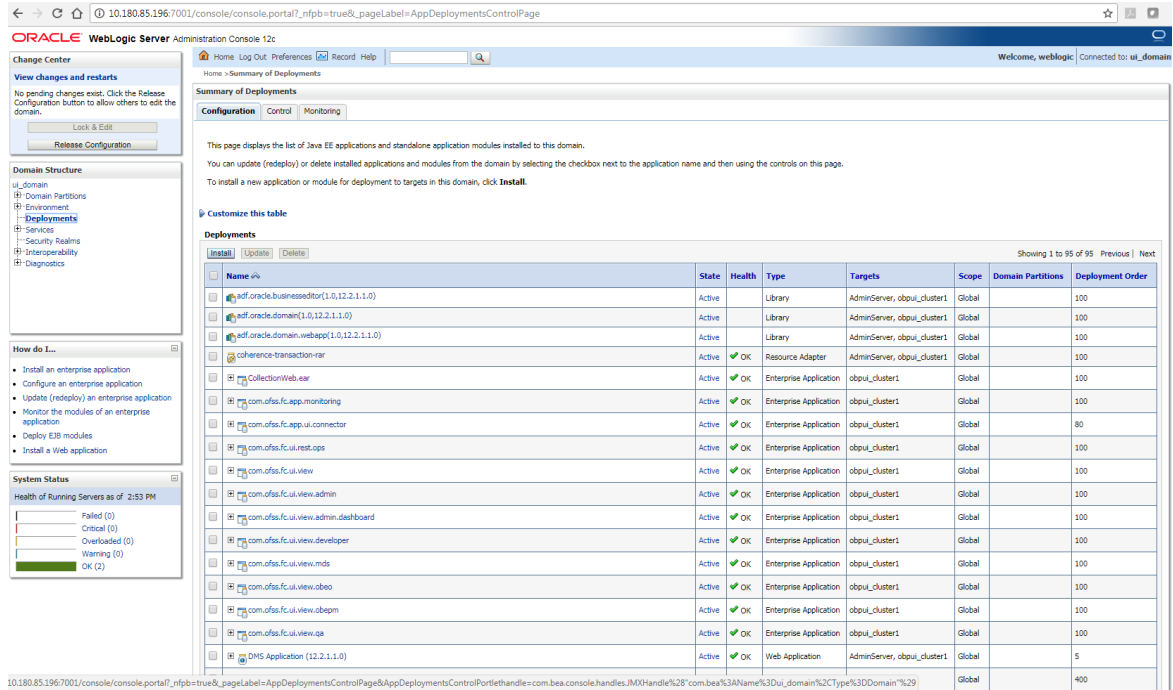
- Information and Resources:** Includes "Helpful Tools" (Configure applications, GridLink for RAC Data Source, Dynamic Cluster, Task Status, console preferences, Oracle Enterprise Manager) and "General Information" (Administration Task Descriptions, documentation, My Oracle Support).
- Domain Configurations:** A tree view showing:
 - Domain
 - Domain
 - Domain Partitions
 - Domain Partitions
 - Partition Work Managers
 - Environment
 - Servers
 - Clusters
 - Server Templates
 - Migratable Targets
 - Coherence Clusters
 - Machines
 - Virtual Hosts
 - Virtual Targets
 - Work Managers
 - Concurrent Templates
 - Resource Management
 - Startup And Shutdown Classes
 - Application's Security Settings
 - Security Realms
- Resource Group Templates:** Resource Group Templates
- Resource Groups:** Resource Groups
- Deployed Resources:** Deployments
- Services:**
 - Messaging
 - JMS Servers
 - Store-and-Forward Agents
 - JMS Modules
 - Path Services
 - Bridges
 - Data Sources
 - Persistent Stores
 - XML Registries
 - XML Entity Caches
 - Foreign JNDI Providers
 - Work Contexts
 - JCOM
 - Mail Sessions
 - FileT3
 - JTA
 - OSGI Frameworks
- Interoperability:** WTC Servers, Jolt Connection Pools
- Diagnostics:** Log Files, Diagnostic Modules, Built-in Diagnostic Modules, Diagnostic Images, Request Performance, Archives, Context, SNMP, Interceptors
- Charts and Graphs:** Monitoring Dashboard

On the left side, there are several utility panels:

- Change Center:** "View changes and restarts" section with "Lock & Edit" and "Release Configuration" buttons.
- Domain Structure:** A tree view showing the hierarchy: ul_domain > Domain Partitions > Environment > Deployments > Services > Security Realms > Interoperability > Diagnostics.
- How do I...:** Search and navigation tips.
- System Status:** "Health of Running Servers as of 2:52 PM" showing: Failed (0), Critical (0), Overloaded (0), Warning (0), OK (2).

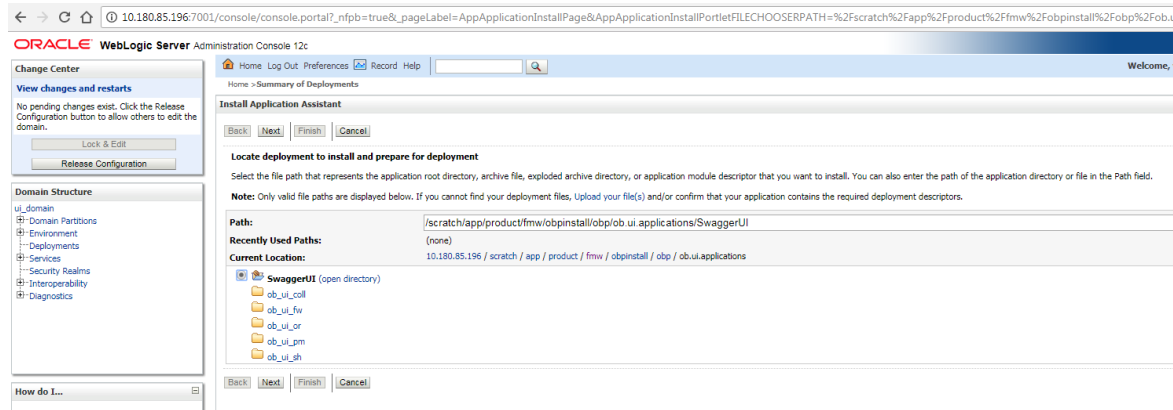
5. Click **Lock & Edit** and then click **Deployments**.

Figure 12–8 Click Deployments



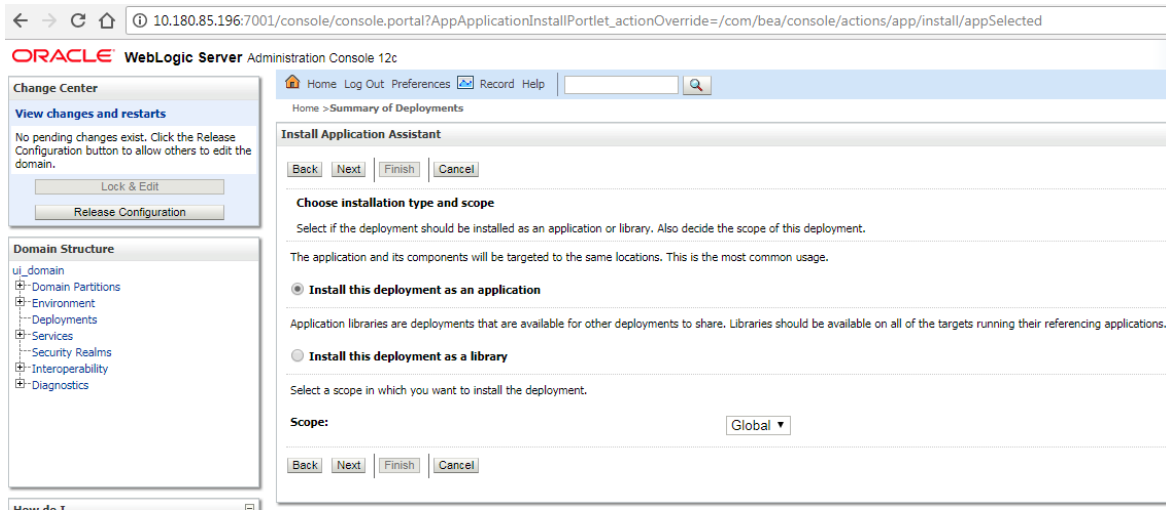
6. Click **Install**, browse the SwaggerUI, and click **Next**.

Figure 12–9 Click Install and Browse SwaggerUI



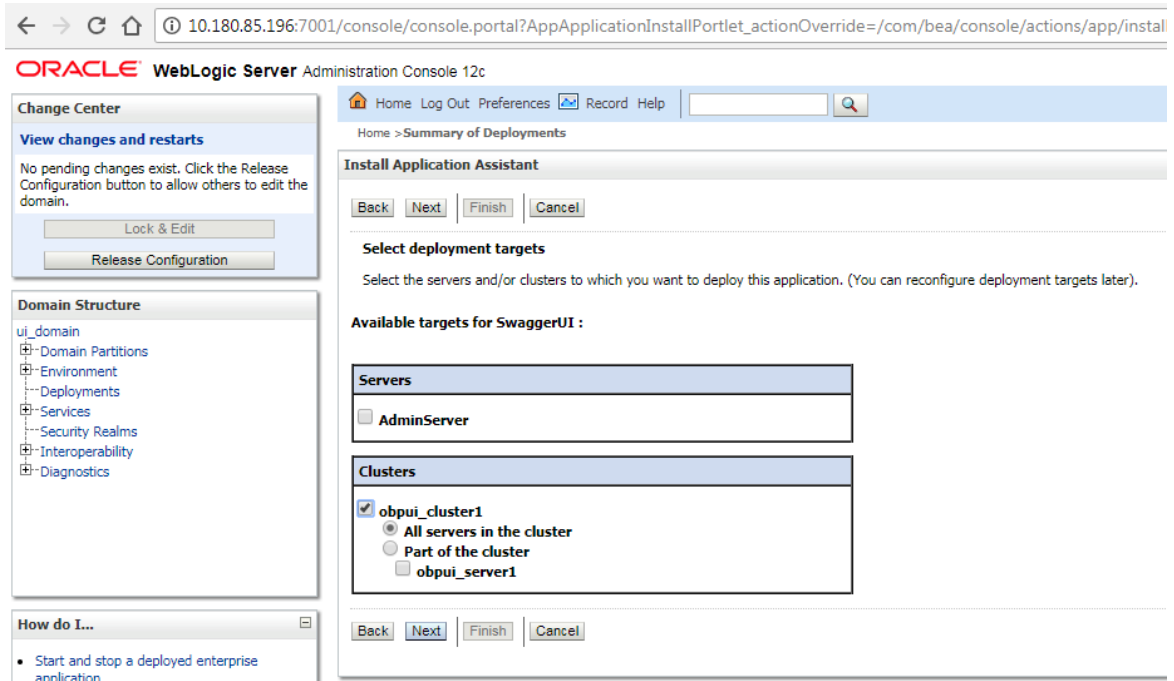
7. Deploy SwaggerUI as application.

Figure 12–10 Deploy as application



8. Select the deployment target server (obpui_cluster1).

Figure 12–11 Select target



9. Enter the deployment name as **SwaggerUI** and click **Finish**.

Figure 12–12 Enter deployment name

10.180.85.196:7001/console/console.portal?AppApplicationInstallPortlet_actionOverride=/com/bee/console/actions/app/install/applicationTargetsSelected

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Home > Summary of Deployments

Install Application Assistant

Back Next Finish Cancel

Optional Settings

You can modify these settings or accept the defaults.
* Indicates required fields

— General —

What do you want to name this deployment?

* Name:

— Security —

What security model do you want to use with this application?

DD Only: Use only roles and policies that are defined in the deployment descriptors.

Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.

Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.

Advanced: Use a custom model that you have configured on the realm's configuration page.

— Source Accessibility —

How should the source files be made accessible?

Use the defaults defined by the deployment's targets

Recommended selection.

Copy this application onto every target for me

During deployment, the files will be copied automatically to the Managed Servers to which the application is targeted.

I will make the deployment accessible from the following location

Location:

Provide the location from where all targets will access this application's files. This is often a shared directory. You must ensure the application files exist in this location and that each target can reach the location.

— Plan Source Accessibility —

How should the plan source files be made accessible?

Use the same accessibility as the application

Recommended selection.

Copy this plan onto every target for me

Change Center

View changes and restarts

No pending changes exist. Click the Release Configuration button to allow others to edit the domain.

Lock & Edit

Release Configuration

Domain Structure

- ui_domain
 - Domain Partitions
 - Environment
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

How do I...

- Start and stop a deployed enterprise application
- Configure an enterprise application
- Create a deployment plan
- Target an enterprise application to a server instance
- Test the modules in an enterprise application

System Status

Health of Running Servers as of 2:57 PM

Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)

10. After clicking **Finish**, SwaggerUI deployment status is seen as **Prepared**.

Figure 12–13 Deployment status

The screenshot shows the Oracle WebLogic Server Administration Console interface. The main content area displays the 'Settings for SwaggerUI' page. The 'Overview' tab is selected, showing the following configuration details:

- Name:** SwaggerUI
- Scope:** Global
- Context Root:** /SwaggerUI
- Path:** /scratch/app/product/fmw/obinstal/obj/ob_ui_applications/SwaggerUI
- Deployment Plan:** (no plan specified)
- Staging Mode:** (not specified)
- Plan Staging Mode:** (not specified)
- Security Model:** DDOnly
- Deployment Order:** 100
- Deployment Principal Name:** (empty)

At the bottom, the 'Modules and Components' table lists the following components:

Name	Type
SwaggerUI	Web Application
REST Services	None to display
Web Services	None to display

11. Start it from the **Control** tab.
12. After SwaggerUI deployment, validate the deployment. SwaggerUI must be in **Active** state. If it is in **Prepared** state, start it from the Control tab.

Figure 12–14 Active status in Control tab

The screenshot shows the Oracle WebLogic Server Administration Console interface. The main content area displays the 'Summary of Deployments' page. The 'Control' tab is selected, showing a table of deployments with the following columns: Name, State, Health, Type, Targets, Scope, and Domain Partitions.

Name	State	Health	Type	Targets	Scope	Domain Partitions
com.ofas.fc.ui.view.obeo	Active	OK	Enterprise Application	obpu_cluster1	Global	
com.ofas.fc.ui.view.obepm	Active	OK	Enterprise Application	obpu_cluster1	Global	
com.ofas.fc.ui.view.oa	Active	OK	Enterprise Application	obpu_cluster1	Global	
DMS Application (12.2.1.1.0)	Active	OK	Web Application	AdminServer, obpu_cluster1	Global	
em	Active	OK	Enterprise Application	AdminServer	Global	
ohelp.aar	Active	OK	Enterprise Application	obpu_cluster1	Global	
opss-rest	Active	OK	Web Application	AdminServer	Global	
state-management-provider-memory-rar	Active	OK	Resource Adapter	AdminServer, obpu_cluster1	Global	
SwaggerUI	Active	OK	Web Application	obpu_cluster1	Global	
wspn-pm	Active	OK	Enterprise Application	AdminServer, obpu_cluster1	Global	

15 Monitoring Servers Using Oracle Enterprise Manager

This chapter lists the steps required to monitor servers using Oracle Enterprise Manager (EM).

The OBP servers can be monitored using Oracle Enterprise Manager (EM). 'em_monitor.zip' is available inside 'ob-utils' for this purpose. The procedure is as follows:

1. Extract the 'ob-utils' to get 'em_monitor.zip'.
2. Extract 'em_monitor.zip'. It contains 'obp_em_view_script' folder.

For monitoring the OBP Servers, follow the procedures given in Oracle Banking Platform Management Pack Setup Guide.

16 Analytics Configuration

This chapter explains the configuration required to set up analytics. Oracle Business Intelligence Enterprise Edition (OBIEE) (which is a separately licensed product) is used for performing analytics using the following dashboards:

- Origination Analytics dashboard (OBIEE 11.1.1.9.0)
- Credit Monitor (LCM) dashboard (OBIEE 12.2.1.2.0)

16.1 ODI Import Master Repository

This section explains the process of importing ODI Master Repository.

16.1.1 Create Schema of ODI Master Repository

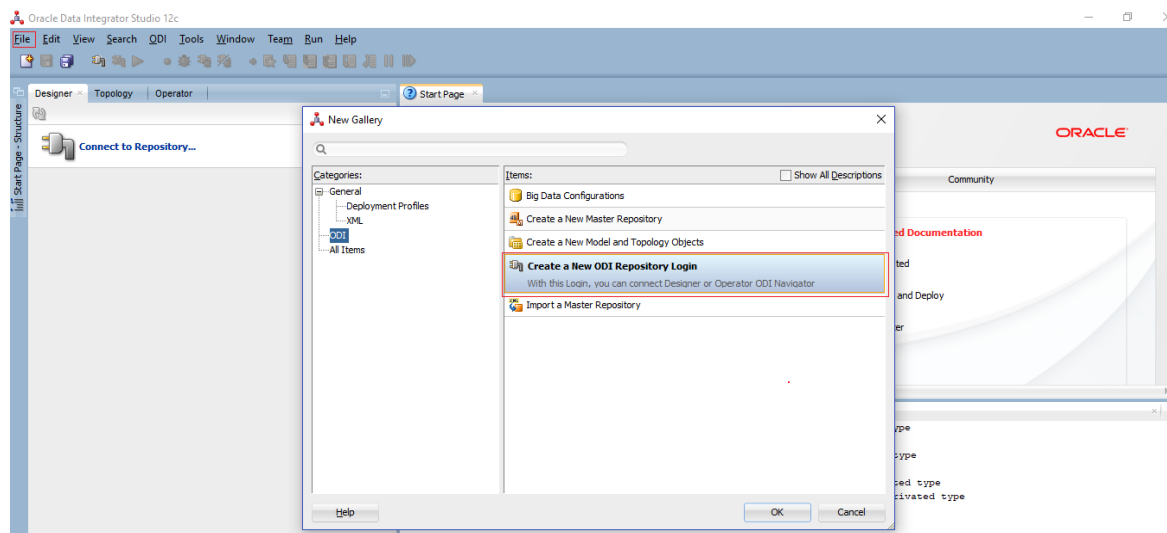
Create new database schema for ODI master repository with the help of DBA. Schema for master repository can be create using ODI studio also.

16.1.2 Create New ODI Repository Login

To create a new ODI repository login:

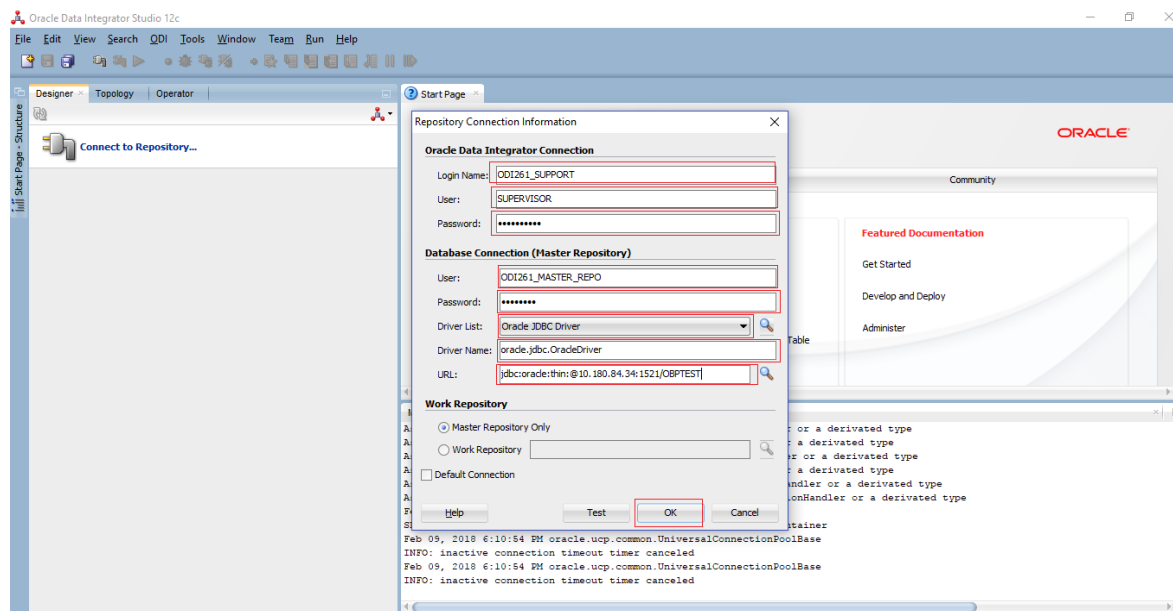
1. Click **File > New**.

Figure 14–1 Create new repository



2. Provide the required details and click **OK**.

Figure 14–2 Enter repository details

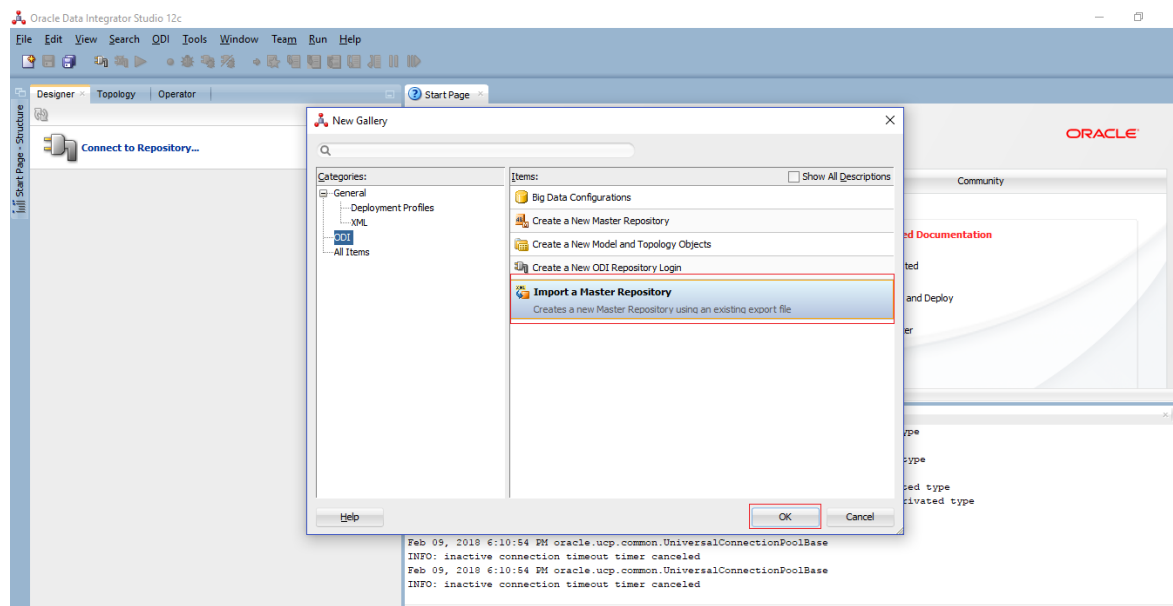


16.1.3 Import Master Repository

To import ODI master repository:

1. Click **File > New**.

Figure 14–3 Import master repository



2. Provide the required details.
3. Select the master repository zip file (/host/analytics.tar/analytics/historical/odi/Repositories) from file

system and click **OK**.

Figure 14–4 Select master repository zip file

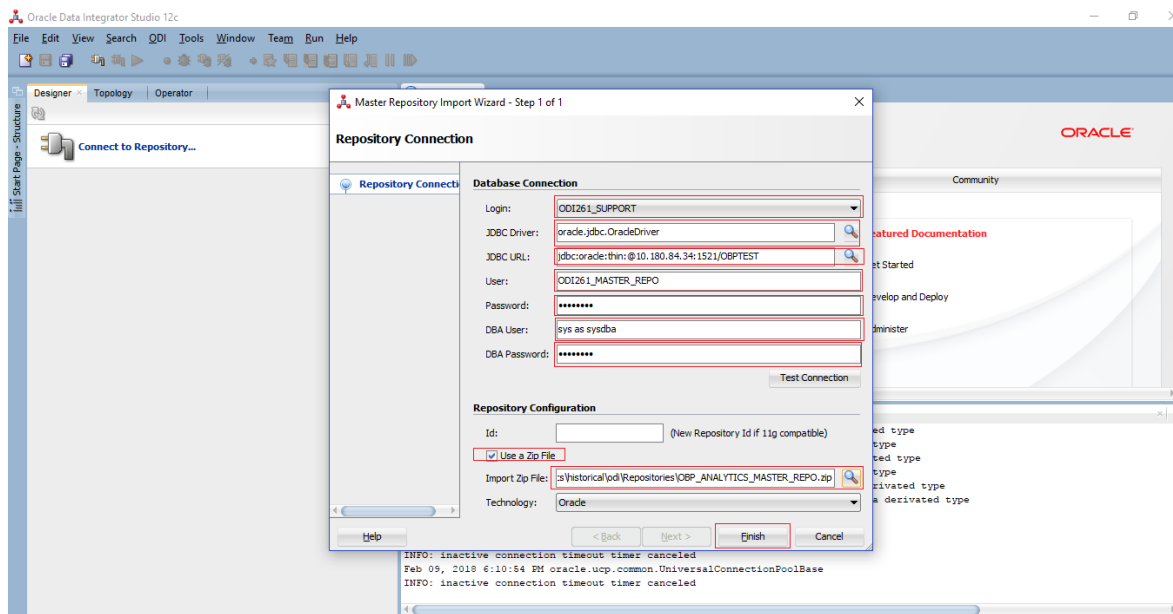
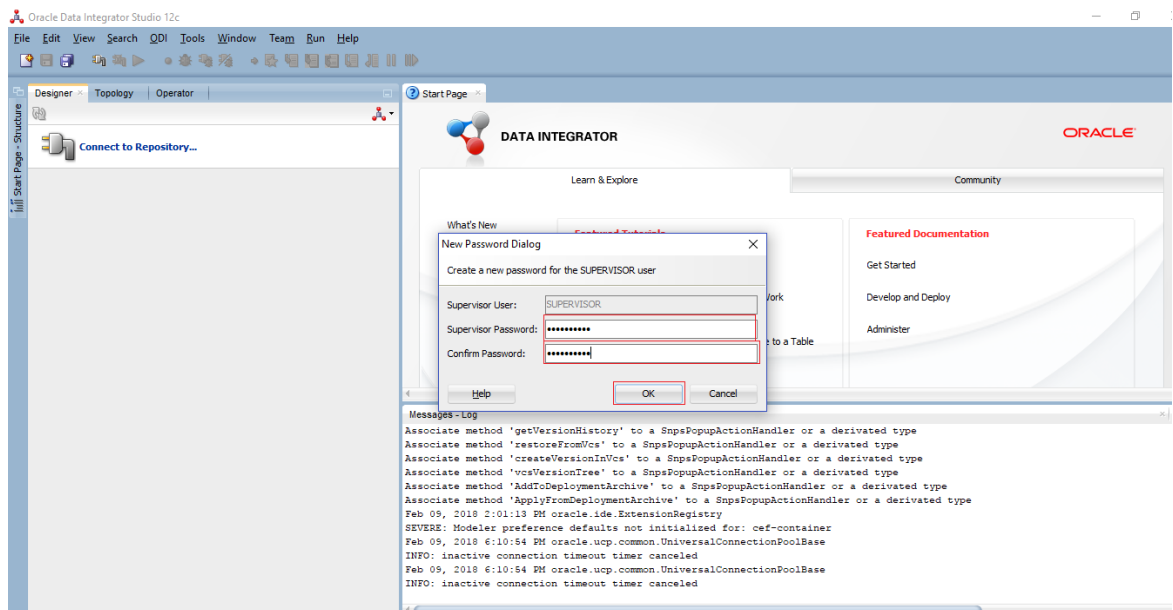


Figure 14–5 Set password



16.2 ODI Import Work Repository

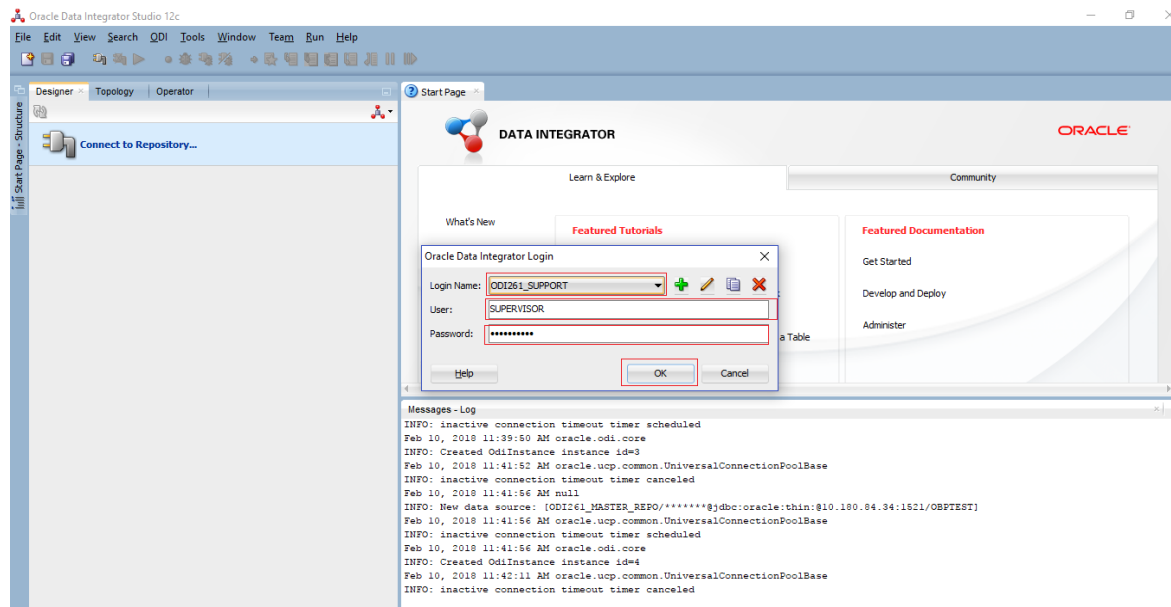
This section explains the process of importing ODI Work Repository.

16.2.1 Create New ODI Work Repository

To create a new ODI repository:

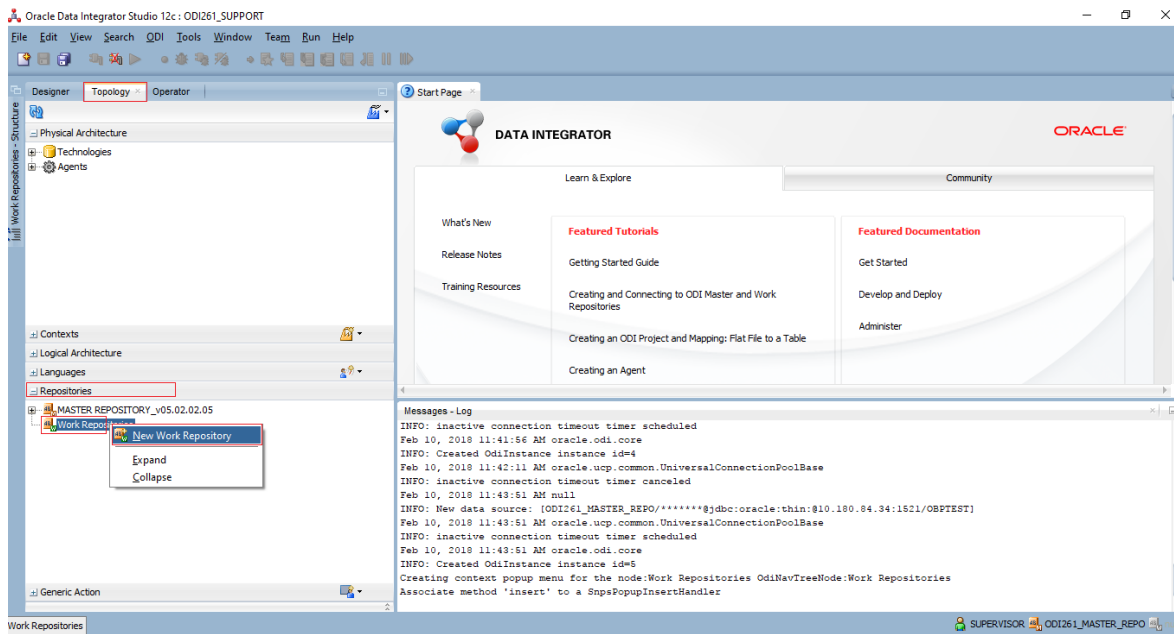
1. Log in to newly create master repository.

Figure 14–6 Log in to master repository



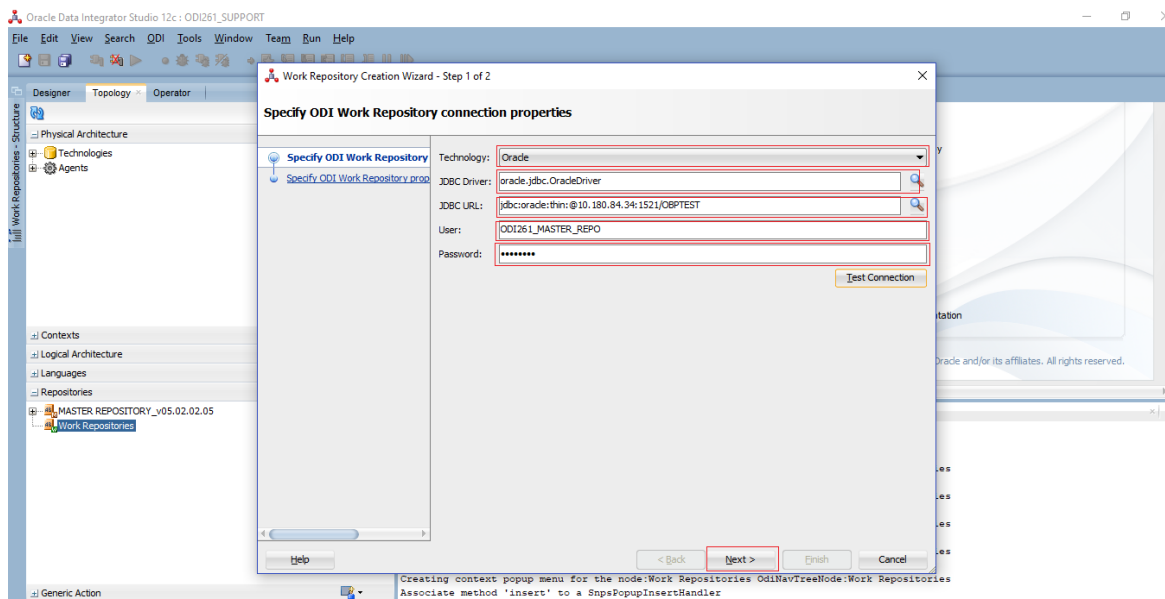
2. Click **Topology > Repositories > Work Repositories**.
3. Click **New Work Repository**.

Figure 14–7 Select new work repository



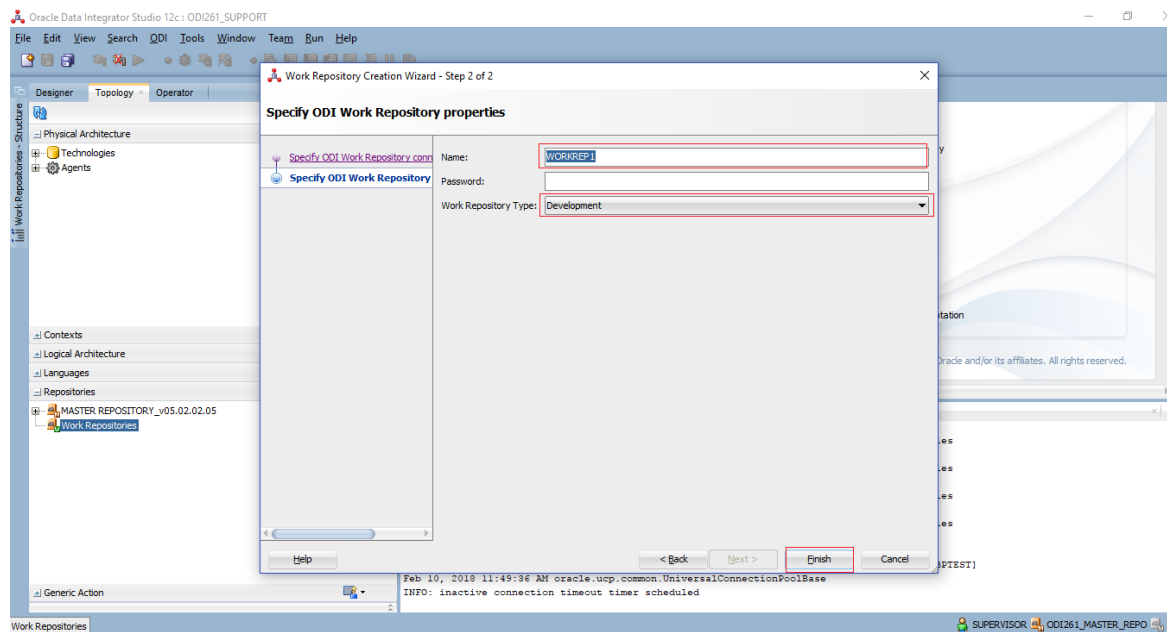
4. Check repository connection details and click **Next**.

Figure 14–8 Check repository details



5. Specify work repository name as **WORKREP1**. Password is optional. Then click **Finish**.

Figure 14–9 Specify repository name

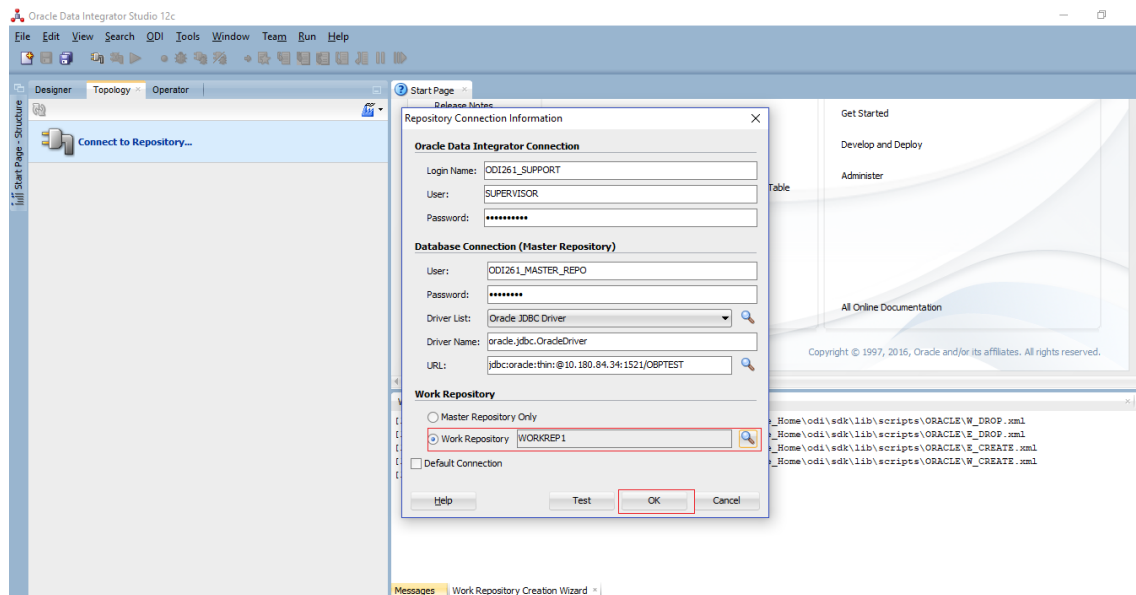


16.2.2 Import ODI Work Repository

To import ODI work repository:

1. Log in to ODI master repository after selecting newly created work repository.

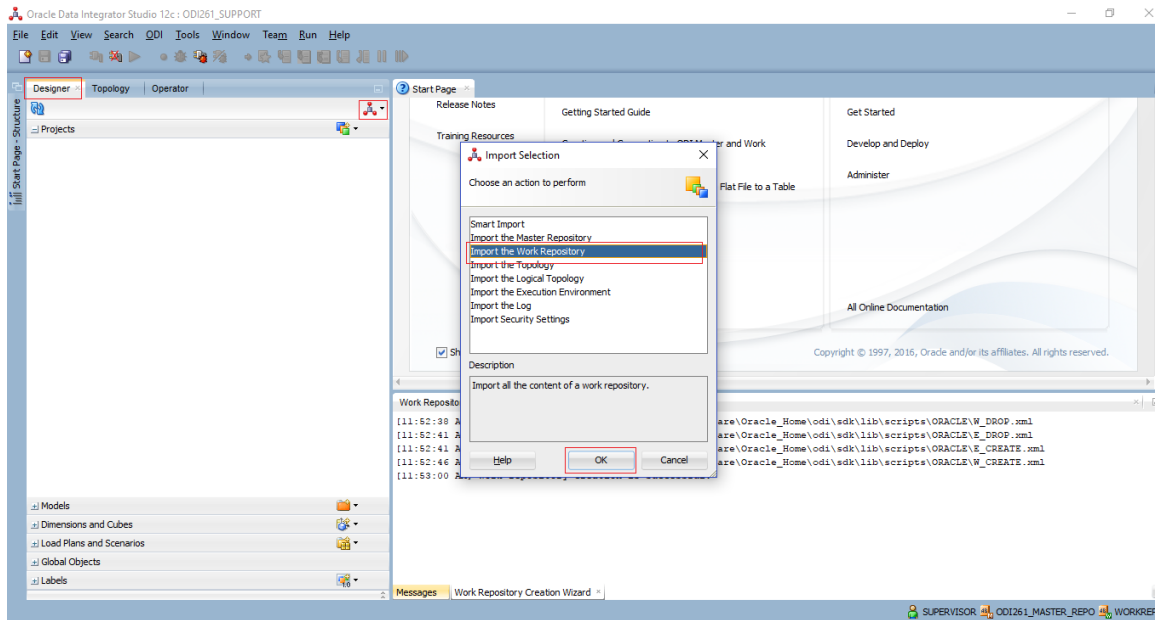
Figure 14–10 Log in to repository



2. Click **Designer > Designer Menu > Import**.

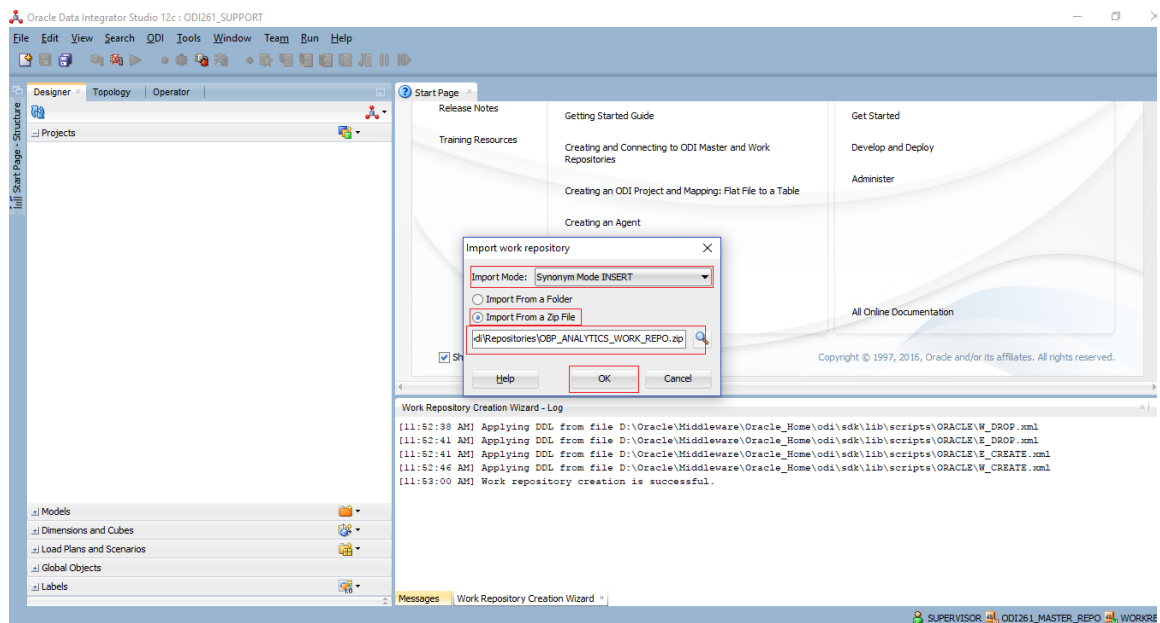
3. Select **Import Work Repository** and click **OK**.

Figure 14–11 Import work repository



4. Select import mode as **Synonym Mode INSERT**.
5. Select option as **Import as Zip File**.
6. Select work repository zip file from file system
(/host/analytics.tar/analytics/historical/odi/Repositories)

Figure 14–12 Select work repository zip



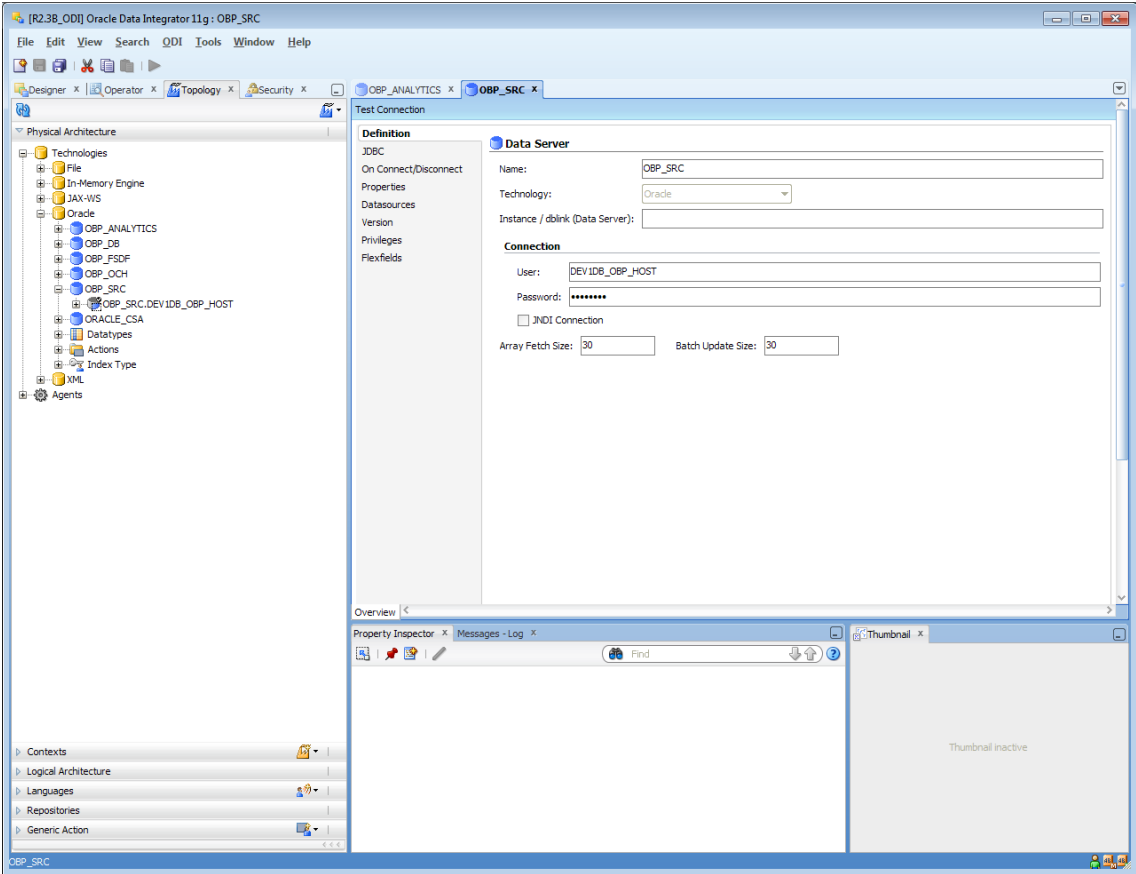
16.3 ODI Level Configuration

This section explains the configurations required at ODI level.

16.3.1 Setting Target Data Server in ODI Topology

Provide the db details for analytics database containing the stage, dimension and fact table in the OBP_ANALYTICS data server under Topology.

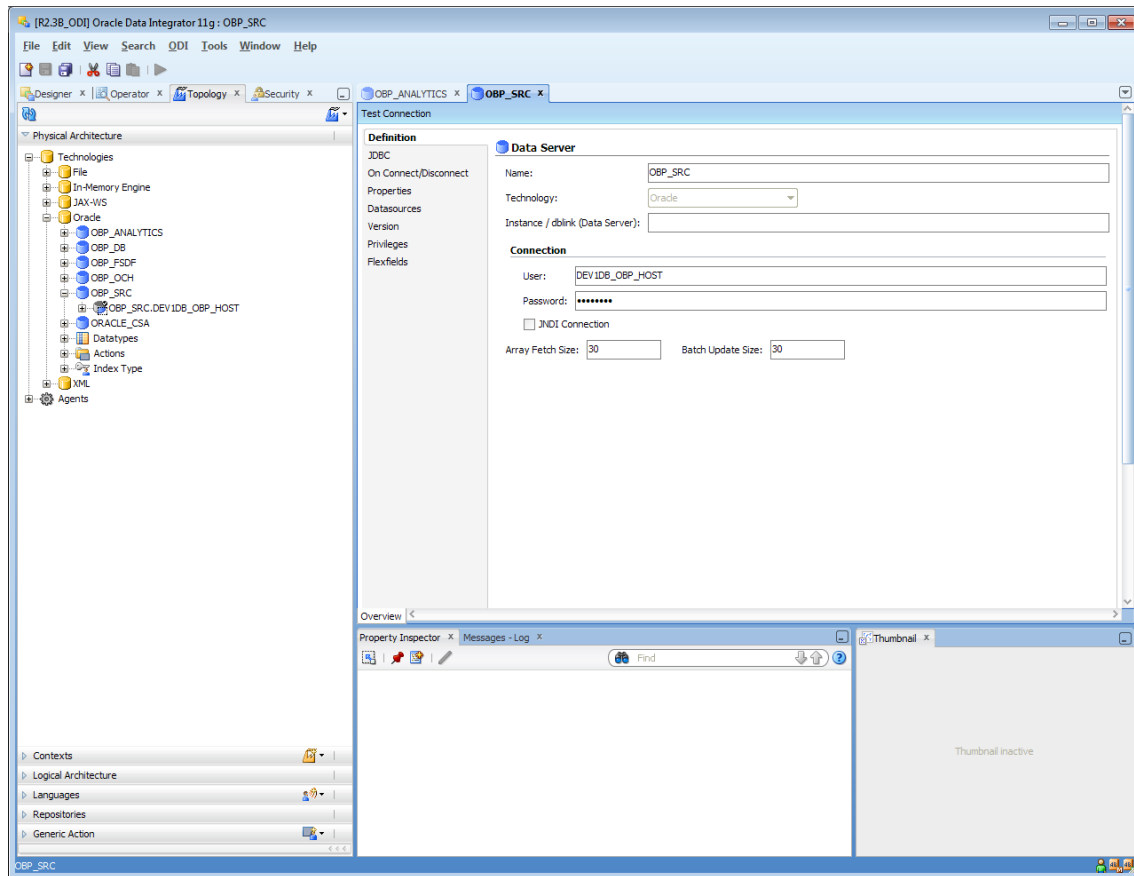
Figure 14–13 Set target data server



16.3.2 Setting Source Data Server in ODI Topology

Provide the db details for OBP source tables in the OBP_SRC data server tab under Topology.

Figure 14–14 Set source data server



16.4 ODI Agent Deployment Configuration

This section explains the configurations required for ODI agent deployment.

16.4.1 Update the Connection Details of Master Repository and Work Repository

To update the details:

1. Log in to WebLogic console.
2. Click **Services > Data Sources > odiMasterRepository**

Figure 14–15 Select odiMasterRepository

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains a 'Domain Structure' tree with 'Data Sources' selected. The main content area is titled 'Summary of JDBC Data Sources' and includes a table of data sources. The 'odiMasterRepository' entry is highlighted with a red box.

Name	Type	JDBC Name	Targets	Scope	Domain Partitions
LocalSvcTbdDataSource	Generic	jdbc/LocalSvcTbdDataSource	AdminServer	Global	
odiMasterRepository	Generic	jdbc/odiMasterRepository	odi_server1	Global	
odiWorkRepository	Generic	jdbc/odiWorkRepository	odi_server1	Global	
opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, odi_server1	Global	
opss-audit-viewOS	Generic	jdbc/AuditViewDataSource	AdminServer, odi_server1	Global	
opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, odi_server1	Global	

3. Click **Connection Pool** and update database connection details for the repository.

Figure 14–16 Update connection details

The screenshot shows the 'Connection Pool' configuration page for the 'odiMasterRepository' data source. The 'URL', 'Driver Class Name', 'Properties', and 'Password' fields are highlighted with red boxes.

URL: jdbc:oraclethin:@10.180.84.34:1521:OBPTST

Driver Class Name: oracle.jdbc.OracleDriver

Properties: user=ODI211_JOBSTER_JOB

Password: [REDACTED]

16.5 OBI Configuration

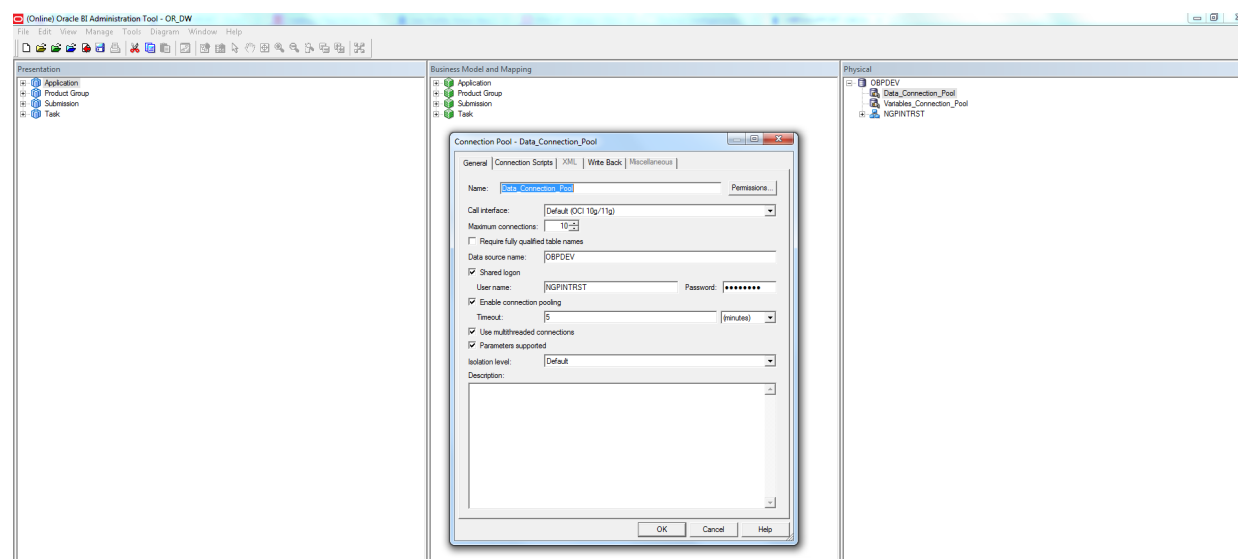
This section explains the driver configurations required for OBI.

16.5.1 Update the Analytics DB Details in the Repository

Analytics database details are updated in catalog file. Catalog file can be found in HOST installer zip in analytics.tar.gz. Inside analytics.tar.gz, catalog files can be found at analytics/historical/obi/catalog location and RPD files can be found at analytics/historical/obi/repository location. Catalog files are updated with the help of Oracle BI Administration Tool

Update the DB source name and the user credentials in the Connection Pool of the repository and set it to the Analytics DB.

Figure 14–17 Update Analytics DB details



16.5.2 Add the Analytics DB TNS Entry

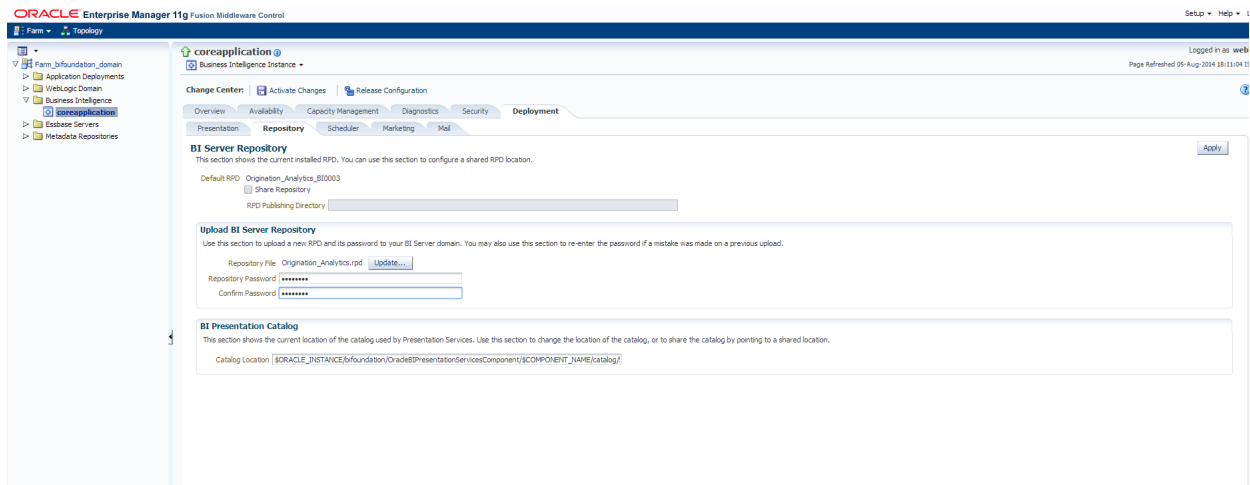
Add the TNS entry for the analytics DB in the tnsnames.ora file at location ORACLE_HOME/network/admin.

16.5.3 Upload the Repository to the OBI Server

Perform the following steps.

1. Log in to the OBI EM server console.
2. Navigate to **Business Intelligence > coreapplication > Deployment > Repository** tab.
3. Click **Release Configuration**.
4. Click **Upload** and select the repository to be uploaded.
5. Enter the repository password.
6. Click **Apply**.
7. Restart the OBI server components.

Figure 14–18 Upload repository

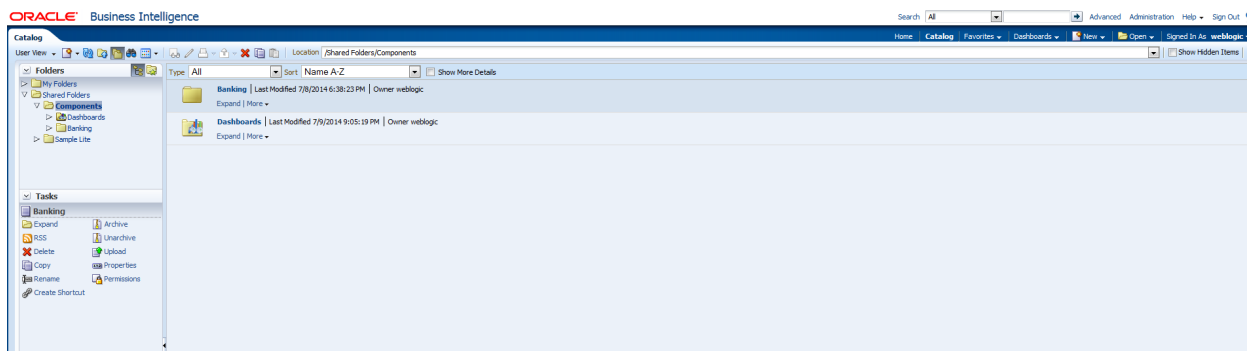


16.5.4 Upload the Catalogs to the OBI Server

Perform the following steps.

1. Navigate to the Oracle Business Intelligence Sign In page and sign in.
2. Click **Catalog** and navigate to **Shared Folders > Components**.
3. Click **Unarchive** in the Tasks Panel and select the Analyses catalog to upload the analyses to the OBI server.
4. Click **Unarchive** in the Tasks Panel and select the Dashboards catalog to upload the dashboards to the OBI server.

Figure 14–19 Upload catalogs



16.5.5 Create Schema Objects

Perform the following steps.

1. Run the SQL script from the following location on OBIEE schema. This creates the required dimension, fact and other related database objects.

`/host/analytics.tar/analytics/historical/db/run_script.sql`

2. Run the SQL script from the following location on CSA database. This populates the records from OBP database to common staging area.

`/host/analytics.tar/analytics/historical/db/run_script_CSASchema.sql`

16.6 Global Configuration

This configuration is required to set up all global parameters to execute ODI scenario. Following parameters need to be configured. All the seed files are available in `"/host/analytics.tar/analytics/historical/odi/seed"` folder.

- WSDL url of ODI agent
- CredentialStore type
- ODI repository username
- ODI repository password
- Flag for ODI source database

Run `flx_fw_config_all_b.sql` to configure above parameters.

ODI agent server and port need to be configured. Please run `flx_fw_config_var_b.sql`.

16.7 Batch Configuration for Analytics

This section explains the batch configurations required for analytics.

- **Analytics Batch Category:** Run `flx_batch_job_category_master.sql` to configure analytics batch category.
- **Analytics Batch Code Type:** Run `flx_batch_job_code_type.sql` to configure analytics batch code.
- **Analytics Batch Group Category:** Run `flx_batch_job_grp_category.sql` to configure analytics batch group category.
- **Analytics Category Batch Shell Dependencies:** Run `FLX_BATCH_JOB_SHELL_DEPEND.sql` to configure shell dependency.
- **Analytics Category Batch Shell:** Run `flx_batch_job_shell_master.sql` to configure analytics shell.
- **Analytics Batch Job Type:** Run `flx_batch_job_type.sql` to configure analytics batch job type.
- **Analytics Job Definition:** Run `flx_di_etl_job_definition.sql` to configure analytics job definition.

17 Post Installation Verification

This chapter lists the steps required to verify the Oracle Banking Platform solution installation.

17.1 UI Domain Verification

To verify the UI domain installation:

1. Start the UI domain Admin and Managed servers.
2. In the WebLogic console (<UI_IP>:<UI_ADMIN_PORT>/console), navigate to the **Summary of Deployments** page.
3. Verify that the **Status** of the following Oracle Banking Platform libraries and applications is *Active*.

Common (Applicable to all products)

- Shared Libraries
 - ob.app.client.coll
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.deposit
 - ob.app.client.fw
 - ob.app.client.lcm
 - ob.app.client.lending
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pm
 - ob.app.client.pricing
 - ob.app.client.sh
 - ob.ui.coll
 - ob.ui.communications
 - ob.ui.cz
 - ob.ui.deposit
 - ob.ui.fusion
 - ob.ui.lcm
 - ob.ui.lending
 - ob.ui.or
 - ob.ui.party

- ob.ui.pm
- ob.ui.pricing
- ob.ui.sh
- ob.ui.tp
- ob.ui.tp.cz
- Ears
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.app.ui.connector
 - com.ofss.fc.ui.rest.ops
 - com.ofss.fc.ui.view.admin
 - com.ofss.fc.ui.view.admin.dashboard
 - com.ofss.fc.ui.view.developer
 - com.ofss.fc.ui.view.qa

Oracle Banking Enterprise Product Manufacturing

- com.ofss.fc.ui.view.obepm

Oracle Banking Enterprise Collections

- com.ofss.fc.ui.view.obec

Oracle Banking Enterprise Originations

- com.ofss.fc.ui.view.obepm
- com.ofss.fc.ui.view.obeo

Oracle Banking Platform

- com.ofss.fc.ui.view
- com.ofss.fc.ui.view.obeo
- com.ofss.fc.ui.view.obepm

Figure 15–1 UI WebLogic Console







































	 ob.app.client.or(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.app.client.party(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.app.client.pm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.app.client.pricing(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.app.client.sh(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.coll(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.communications(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.cz(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.deposit(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.fusion(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.lcm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.lending(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.or(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.party(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.pm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.pricing(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.sh(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.tp(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	 ob.ui.tp.cz(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100

Figure 15–2 UI WebLogic Console

Showing 1 to 93 of 93 Previous | Next

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
adf.oracle.businesseditor(1.0.12.2.1.1.0)	Active		Library	AdminServer, obpui_cluster1	Global		100
adf.oracle.domain(1.0.12.2.1.1.0)	Active		Library	AdminServer, obpui_cluster1	Global		100
adf.oracle.domain.webapp(1.0.12.2.1.1.0)	Active		Library	AdminServer, obpui_cluster1	Global		100
coherence-transaction-rar	Active	OK	Resource Adapter	AdminServer, obpui_cluster1	Global		100
com.ofss.cloud.ui.view	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.app.monitoring	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.app.ui.connector	Active	OK	Enterprise Application	obpui_cluster1	Global		80
com.ofss.fc.ui.rest.ops	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.ui.view	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.ui.view.admin	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.ui.view.admin.dashboard	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.ui.view.developer	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.ui.view.obeo	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.ui.view.obepm	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.ui.view.qa	Active	OK	Enterprise Application	obpui_cluster1	Global		100

4. In EM console (<UI_IP>:<UI_ADMIN_PORT>/em), check the status of:

- Cluster
- Managed Servers
- Applications

Figure 15–3 UI EM Console Status Check

The screenshot shows the Oracle Enterprise Manager console for the 'ui_domain'. The left sidebar indicates the overall status: 2 Up servers, 1 Up cluster, and 12 Up deployments. The main content area shows the 'Administration Server' details and a table of servers.

Administration Server

- Name: AdminServer
- Host: mwm00adi.in.oracle.com
- Listen Port: 7001
- SSL Listen Port: 7002

Servers

Name	Status	Cluster	Machine	State	Health	Listen Port	CPU Usage (%)	Mem Usage (MB)
AdminServer(admin)	↑			Running	OK	7001	4.31	805.9
obpui_server1	↑	obpui_cluster1	ui_machine1	Running	OK	8001	0.98	2,870.1

- In (<UI_IP>:<UI_ADMIN_PORT>/wsm-pm/validator) and (<UI_IP>:<UI_MANAGED_PORT>/wsm-pm/validator) screens, all policies must appear.

Figure 15–4 UI Admin wsm-pm Validator

Policy Name	Priority	Description
oracle/wss_saml20_token_over_ssl_service_policy	1	This policy authenticates users using credentials provided in SAML V2.0 token in the WS-Security SOAP header. The credentials in the SAML V2.0 token are authenticated against a SAML V2.0 login module. The policy verifies that the transport protocol provides SSL message protection. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_username_token_with_message_protection_wssc_client_policy	1	This policy provides message-level protection and authentication for outbound SOAP requests in accordance with the WS-Security 1.1 standard. Messages are protected using WS-Security's Basic 128 suite of symmetric key technologies, specifically RSA key mechanisms for message confidentiality, SHA-1 hashing algorithm for message integrity, and AES-128 bit encryption. The keystore on the client side is configured either on a per-request basis or through the security configuration. Credentials are included in the WS-Security UsernameToken header of outbound SOAP request messages. Only plain text mechanism is supported. Credentials are provided either programmatically through the current Java Authentication and Authorization Service (JAAS) subject or by a reference in the policy to the configured credential store. This policy has secure conversation enabled. This policy can be attached to any SOAP-based client.
oracle/wss11_x509_token_with_message_protection_wssc_client_policy	1	This policy provides message-level protection and certificate-based authentication for outbound SOAP requests in accordance with the WS-Security 1.1 standard. Messages are protected using WS-Security's Basic 128 suite of symmetric key technologies, specifically RSA key mechanisms for message confidentiality, SHA-1 hashing algorithm for message integrity, and AES-128 bit encryption. The keystore on the client side is configured either on a per-request basis or through the security configuration. Credentials are included in the WS-Security binary security token of the SOAP message. These credentials are provided either programmatically or through the security configuration. This policy has secure conversation enabled.
oracle/wss_saml_token_over_ssl_service_policy	1	This policy authenticates users using credentials provided in SAML tokens in the WS-Security SOAP header. The credentials in the SAML token are authenticated against a SAML login module. The policy verifies that the transport protocol provides SSL message protection. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_saml_or_username_token_with_message_protection_service_policy	1	This policy authenticates users using credentials provided in SAML token or Username token or SAML token with confirmation method 'Bearer' in the WS-Security SOAP header or using credentials in the HTTP header against the configured identity store. Messages are protected either over transport layer using HTTPS or message level protection using WS-Security 1.1 standard. Message level protection (integrity, confidentiality) is done using WS-Security's Basic 128 suite of symmetric key technologies, specifically RSA key mechanisms for message confidentiality, SHA-1 hashing algorithm for message integrity, and AES-128 bit encryption. This policy can be attached to any SOAP based endpoint or any HTTP based endpoint.

Figure 15–5 UI managed wsm-pm validator

Name	Latest Version	Description
oracle/binding_authorization_permitall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy permits all users with any roles. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SOAP-based endpoint.
oracle/http_saml20_token_bearer_client_policy	1	This policy includes SAML Bearer v2.0 token in the HTTP header. The SAML Bearer v2.0 token is automatically created. The issuer name and subject name are provided either programmatically or declarative through policy. Audience restriction condition can be specified. This policy can be attached to any Http-based client.
oracle/wss_saml_token_bearer_service_policy	1	This policy authenticates users using credentials provided in SAML Bearer token in the WS-Security SOAP header. By default, SAML Bearer token is expected to be signed with an enveloped signature. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_sts_issued_saml_with_message_protection_client_policy	1	This policy inserts SAML Sender vouches assertion issued by a trusted STS (Security Token Service). Messages are protected using client's private key.
oracle/http_wls_security_service_policy	1	This policy verifies that WLS based Security has authenticated the user and has established an identity. This policy can be applied to any Http-based endpoint in disjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-mtom-20050125/ and http://www.w3.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
oracle/soap_request_processing_service_policy	1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
oracle/async_web_service_policy	1	This policy facilitates enabling and configuring JRF service-side async support.
oracle/no_atomic_transaction_policy	1	This policy facilitates the disabling of atomic transaction support. It also disables globally attached policy of the same policy category/subcategory.
oracle/wss11_sts_issued_saml_hok_with_message_protection_client_policy	1	This policy inserts SAML HOK assertion issued by a trusted STS (Security Token Service). Messages are protected using proof key material provided by STS.
oracle/no_messageprotection_client_policy	1	This policy facilitates the disabling of a globally attached message protection policy. This will include disabling that whole global policy containing any other assertions in addition to the messageprotection assertion

17.2 Host Domain Verification

To verify the Host domain installation:

1. Start the Host domain Admin and Managed servers.
2. Navigate to the **Summary of Deployments** page.
3. Verify that the **Status** of the following Oracle Banking Platform libraries and applications is *Active*.

Oracle Banking Enterprise Product Manufacturing

- Shared Libraries
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.fw
 - ob.app.client.lcm
 - ob.app.client.party
 - ob.app.client.pm

- ob.app.client.pricing
- ob.app.client.sh
- ob.app.host.communications
- ob.app.host.cz
- ob.app.host.fw
- ob.app.host.lcm
- ob.app.host.pm
- ob.app.host.sh
- ob.app.host.tp
- ob.app.host.tp.cz
- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging.pm
 - com.ofss.fc.middleware.pm
 - com.ofss.fc.module.rest.ops
 - com.ofss.fc.reports.communications
 - com.ofss.fc.webservices.pm

Oracle Banking Enterprise Collections

- Shared libraries
 - ob.app.client.coll
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.fw
 - ob.app.client.sh
 - ob.app.host.coll
 - ob.app.host.communications
 - ob.app.host.cz
 - ob.app.host.fw
 - ob.app.host.sh
 - ob.app.host.tp
 - ob.app.host.tp.cz

- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging.collection
 - com.ofss.fc.middleware.collection
 - com.ofss.fc.module.rest.ops
 - com.ofss.fc.reports.communications
 - com.ofss.fc.webservices.collection

Oracle Banking Enterprise Originations

- Shared Libraries
 - ob.app.client.coll
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.deposit
 - ob.app.client.fw
 - ob.app.client.lcm
 - ob.app.client.lending
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pm
 - ob.app.client.pricing
 - ob.app.client.sh
 - ob.app.host.communications
 - ob.app.host.cz
 - ob.app.host.fw
 - ob.app.host.lcm
 - ob.app.host.or
 - ob.app.host.party
 - ob.app.host.pm
 - ob.app.host.pricing
 - ob.app.host.sh
 - ob.app.host.tp
 - ob.app.host.tp.cz

- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging.or
 - com.ofss.fc.middleware.or
 - com.ofss.fc.module.rest.ops
 - com.ofss.fc.reports.communications
 - com.ofss.fc.webservices.or

Oracle Banking Platform

- Shared libraries
 - ob.app.client.coll
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.deposit
 - ob.app.client.fw
 - ob.app.client.lcm
 - ob.app.client.lending
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pm
 - ob.app.client.pricing
 - ob.app.client.sh
 - ob.app.host.coll
 - ob.app.host.communications
 - ob.app.host.cz
 - ob.app.host.deposit
 - ob.app.host.fw
 - ob.app.host.lcm
 - ob.app.host.lending
 - ob.app.host.or
 - ob.app.host.party
 - ob.app.host.pm
 - ob.app.host.pricing

- ob.app.host.sh
- ob.app.host.tp
- ob.app.host.tp.cz
- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging
 - com.ofss.fc.messaging.py
 - com.ofss.fc.middleware
 - com.ofss.fc.module.rest.ops
 - com.ofss.fc.reports.communications
 - com.ofss.fc.webservices

Figure 15–6 Host WebLogic Console
























 ob.app.client.coll(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.client.communications(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.client.cz(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.client.deposit(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.client.fw(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.client.lcm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.client.lending(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.client.or(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.client.party(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.client.pm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.client.pricing(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.client.sh(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.host.coll(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.host.communications(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.host.cz(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.host.deposit(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.host.fw(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.host.lcm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.host.lending(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.host.or(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.host.party(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.host.pm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
 ob.app.host.pricing(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100

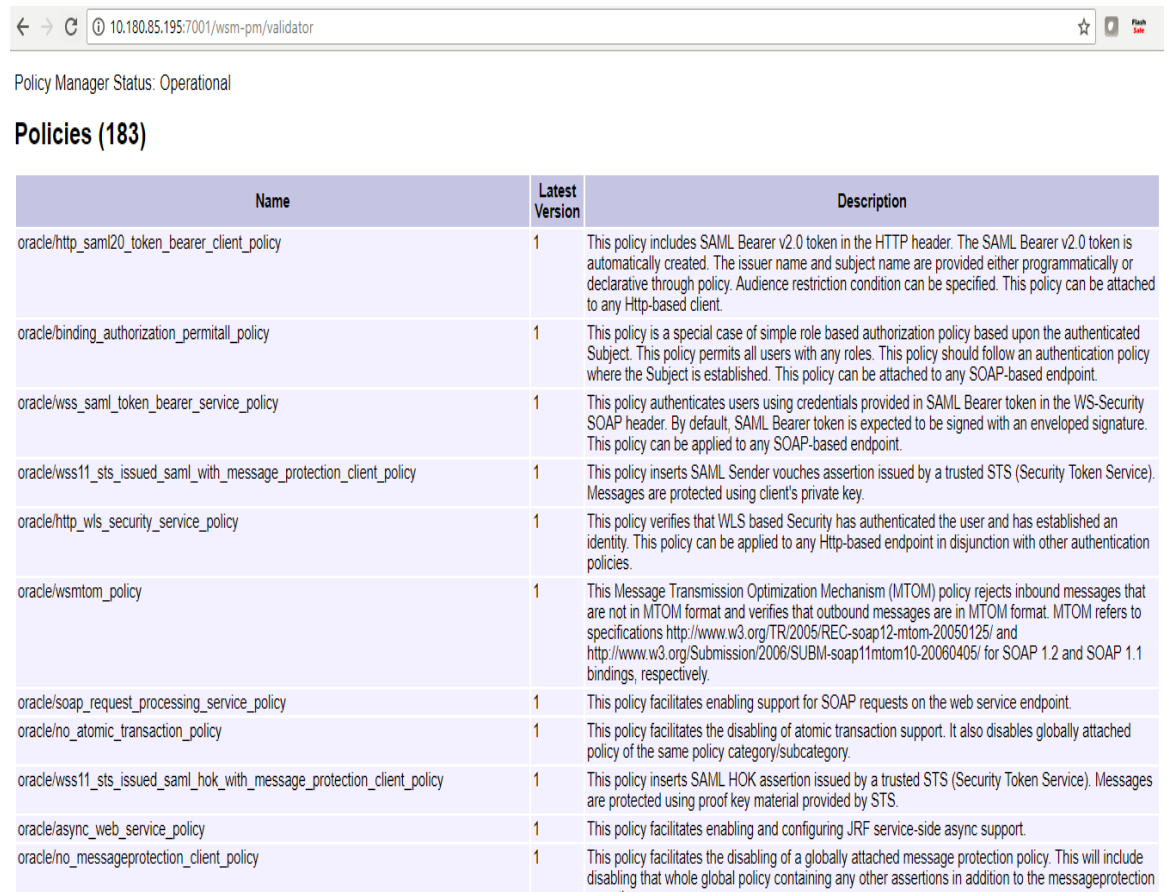
Figure 15–7 Host WebLogic Console

Deployments

Install Update Delete Showing 1 to 90 of 90 Previous | Next

<input type="checkbox"/>	Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
<input type="checkbox"/>	adf.oracle.businesseditor(1.0,12.2.1.1.0)	Active		Library	AdminServer, obphost_cluster1	Global		100
<input type="checkbox"/>	adf.oracle.domain(1.0,12.2.1.1.0)	Active		Library	AdminServer, obphost_cluster1	Global		100
<input type="checkbox"/>	adf.oracle.domain.webapp(1.0,12.2.1.1.0)	Active		Library	AdminServer, obphost_cluster1	Global		100
<input type="checkbox"/>	coherence-transaction-rar	Active		Resource Adapter	AdminServer, obphost_cluster1	Global		100
<input type="checkbox"/>	com.ofss.fc.app.connector	Active		Enterprise Application	obphost_cluster1	Global		80
<input type="checkbox"/>	com.ofss.fc.app.monitoring	Active		Web Application	obphost_cluster1	Global		100
<input type="checkbox"/>	com.ofss.fc.messaging	Active		Enterprise Application	obphost_cluster1	Global		100
<input type="checkbox"/>	com.ofss.fc.messaging.py	Active		Enterprise Application	obphost_cluster1	Global		100
<input type="checkbox"/>	com.ofss.fc.middleware	Active		Enterprise Application	obphost_cluster1	Global		100
<input type="checkbox"/>	com.ofss.fc.module.rest.ops	Active		Enterprise Application	obphost_cluster1	Global		100
<input type="checkbox"/>	com.ofss.fc.reports.communications	Active		Enterprise Application	obphost_cluster1	Global		100
<input type="checkbox"/>	com.ofss.fc.webservices	Active		Enterprise Application	obphost_cluster1	Global		100

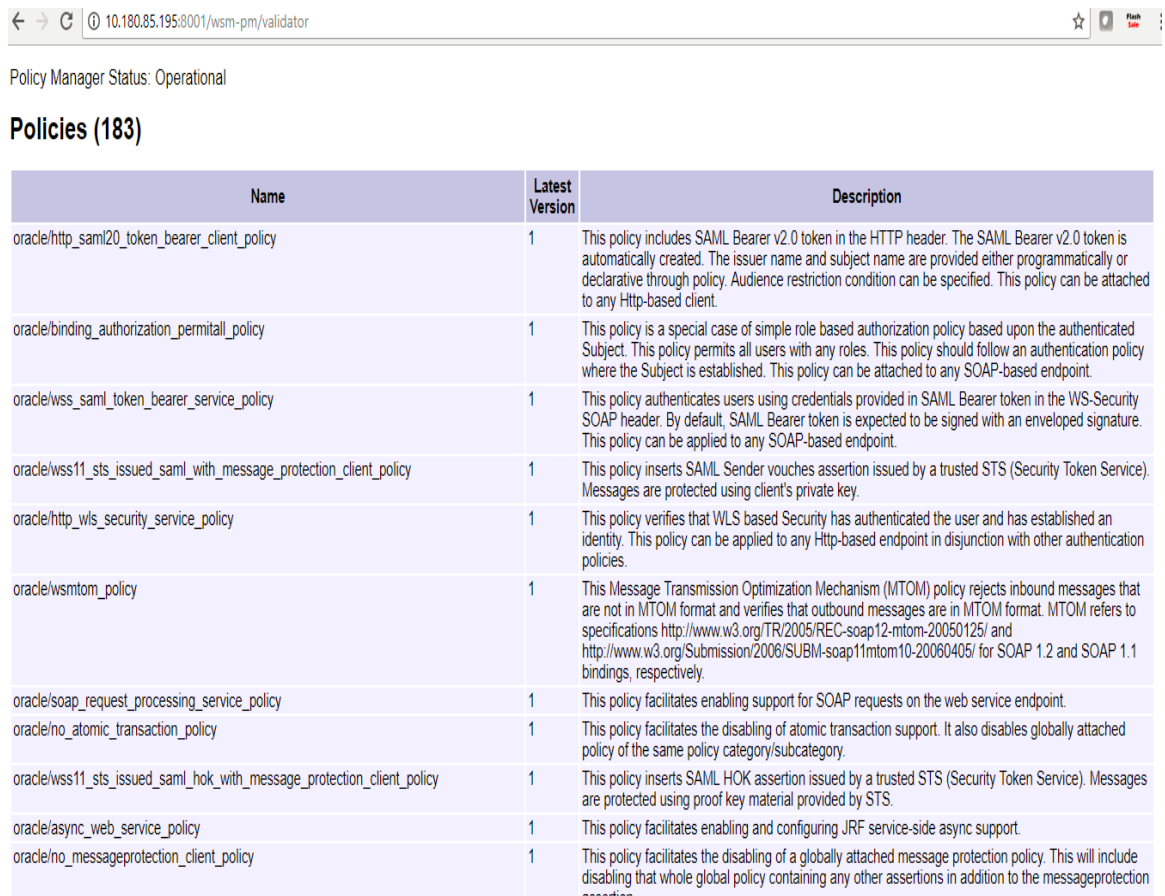
- In (<HOST_IP>:<HOST_ADMIN_PORT>/wsm-pm/validator) and (<HOST_IP>:<HOST_MANAGED_PORT>/wsm-pm/validator) screens, all policies must appear.

Figure 15–8 HOST admin wsm-pm validator


Policy Manager Status: Operational

Policies (183)

Name	Latest Version	Description
oracle/http_saml20_token_bearer_client_policy	1	This policy includes SAML Bearer v2.0 token in the HTTP header. The SAML Bearer v2.0 token is automatically created. The issuer name and subject name are provided either programmatically or declarative through policy. Audience restriction condition can be specified. This policy can be attached to any Http-based client.
oracle/binding_authorization_permitall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy permits all users with any roles. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SOAP-based endpoint.
oracle/wss_saml_token_bearer_service_policy	1	This policy authenticates users using credentials provided in SAML Bearer token in the WS-Security SOAP header. By default, SAML Bearer token is expected to be signed with an enveloped signature. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_sts_issued_saml_with_message_protection_client_policy	1	This policy inserts SAML Sender vouches assertion issued by a trusted STS (Security Token Service). Messages are protected using client's private key.
oracle/http_wls_security_service_policy	1	This policy verifies that WLS based Security has authenticated the user and has established an identity. This policy can be applied to any Http-based endpoint in disjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-mtom-20050125/ and http://www.w3.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
oracle/soap_request_processing_service_policy	1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
oracle/no_atomic_transaction_policy	1	This policy facilitates the disabling of atomic transaction support. It also disables globally attached policy of the same policy category/subcategory.
oracle/wss11_sts_issued_saml_hok_with_message_protection_client_policy	1	This policy inserts SAML HOK assertion issued by a trusted STS (Security Token Service). Messages are protected using proof key material provided by STS.
oracle/async_web_service_policy	1	This policy facilitates enabling and configuring JRF service-side async support.
oracle/no_messageprotection_client_policy	1	This policy facilitates the disabling of a globally attached message protection policy. This will include disabling that whole global policy containing any other assertions in addition to the messageprotection

Figure 15–9 HOST managed wsm-pm validator


Name	Latest Version	Description
oracle/http_saml20_token_bearer_client_policy	1	This policy includes SAML Bearer v2.0 token in the HTTP header. The SAML Bearer v2.0 token is automatically created. The issuer name and subject name are provided either programmatically or declarative through policy. Audience restriction condition can be specified. This policy can be attached to any Http-based client.
oracle/binding_authorization_permitall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy permits all users with any roles. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SOAP-based endpoint.
oracle/wss_saml_token_bearer_service_policy	1	This policy authenticates users using credentials provided in SAML Bearer token in the WS-Security SOAP header. By default, SAML Bearer token is expected to be signed with an enveloped signature. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_sts_issued_saml_with_message_protection_client_policy	1	This policy inserts SAML Sender vouches assertion issued by a trusted STS (Security Token Service). Messages are protected using client's private key.
oracle/http_wls_security_service_policy	1	This policy verifies that WLS based Security has authenticated the user and has established an identity. This policy can be applied to any Http-based endpoint in disjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-mtom-20050125/ and http://www.w3.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
oracle/soap_request_processing_service_policy	1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
oracle/no_atomic_transaction_policy	1	This policy facilitates the disabling of atomic transaction support. It also disables globally attached policy of the same policy category/subcategory.
oracle/wss11_sts_issued_saml_hok_with_message_protection_client_policy	1	This policy inserts SAML HOK assertion issued by a trusted STS (Security Token Service). Messages are protected using proof key material provided by STS.
oracle/async_web_service_policy	1	This policy facilitates enabling and configuring JRF service-side async support.
oracle/no_messageprotection_client_policy	1	This policy facilitates the disabling of a globally attached message protection policy. This will include disabling that whole global policy containing any other assertions in addition to the messageprotection assertion.

Additionally, the installer can verify the following:

- **JMS Resources and Security Credentials**

- Verify the creation of JMS resources Using admin console.
- Verify security credential mappings for resource adapter under obphost.

- **OID Integration**

- Verify that the users and groups are created under **Security --> Myrealms --> Users And Groups**. This is one of the indicators of successful OID integration.

- **SMS Policy Seeding**

- Verify from logs under `$(HOST_FWM)/obpoidinstall/PolicyStoreSetup/logs` to ensure policy seeding was complete.
- EM and OWSM should also be verified in host as in UI.

17.3 SOA Domain Verification

To verify the SOA domain installation:

1. Start the SOA domain Admin and Managed servers (SOA and human task).
2. Navigate to the **Summary of Deployments** page.
3. Verify that the **Status** of the following Oracle Banking Platform libraries and human task files with .ear extension is *Active*.

Common (Applicable to all products)

- Shared Libraries
 - ob.app.client.coll
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.deposit
 - ob.app.client.fw
 - ob.app.client.lcm
 - ob.app.client.lending
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pm
 - ob.app.client.pricing
 - ob.app.client.sh
 - ob.ui.coll
 - ob.ui.communications
 - ob.ui.cz
 - ob.ui.deposit
 - ob.ui.fusion
 - ob.ui.lcm
 - ob.ui.lending
 - ob.ui.or
 - ob.ui.party
 - ob.ui.pm
 - ob.ui.pricing
 - ob.ui.sh
 - ob.ui.tp
 - ob.ui.tp.cz
- Ears
 - com.ofss.fc.app.ui.connector

Oracle Banking Enterprise Product Manufacturing

- Ears
 - com.ofss.fc.workflow.ui.batchexceptionrecovery
 - com.ofss.fc.workflow.ui.brop
 - com.ofss.fc.workflow.ui.common.approval
 - com.ofss.fc.workflow.ui.hardshiprelief

Oracle Banking Enterprise Collections

- Ears
 - com.ofss.fc.workflow.ui.batchexceptionrecovery
 - com.ofss.fc.workflow.ui.brop
 - com.ofss.fc.workflow.ui.CollectionWorkflowApplicationUI
 - com.ofss.fc.workflow.ui.common.approval
 - com.ofss.fc.workflow.ui.hardshiprelief

Oracle Banking Enterprise Originations

- Ears
 - com.ofss.fc.workflow.ui.batchexceptionrecovery
 - com.ofss.fc.workflow.ui.brop
 - com.ofss.fc.workflow.ui.CapturePartyFinancialsHumanTask
 - com.ofss.fc.workflow.ui.common.approval
 - com.ofss.fc.workflow.ui.FeeNegotiationApprovalTask
 - com.ofss.fc.workflow.ui.hardshiprelief
 - com.ofss.fc.workflow.ui.lcm.PerformManualAllocationUITask
 - com.ofss.fc.workflow.ui.lcm.valuation
 - com.ofss.fc.workflow.ui.Origination
 - com.ofss.fc.workflow.ui.PartyMerge
 - com.ofss.fc.workflow.ui.ProcessLoanRolloverHumanTask

Oracle Banking Platform

- Ears
 - com.ofss.fc.app.ui.connector
 - com.ofss.fc.workflow.ui.batchexceptionrecovery
 - com.ofss.fc.workflow.ui.brop
 - com.ofss.fc.workflow.ui.CapturePartyFinancialsHumanTask
 - com.ofss.fc.workflow.ui.CollectionWorkflowApplicationUI
 - com.ofss.fc.workflow.ui.common.approval

- com.ofss.fc.workflow.ui.dda
- com.ofss.fc.workflow.ui.FeeNegotiationApprovalTask
- com.ofss.fc.workflow.ui.hardshiprelief
- com.ofss.fc.workflow.ui.lcm.PerformManualAllocationUITask
- com.ofss.fc.workflow.ui.lcm.valuation
- com.ofss.fc.workflow.ui.loans
- com.ofss.fc.workflow.ui.origination
- com.ofss.fc.workflow.ui.PartyMerge
- com.ofss.fc.workflow.ui.ProcessLoanRolloverHumanTask

4. Also verify that the standard SOA application soa-infra is in *Active* state.

Figure 15–10 SOA WebLogic Console




























	ob.app.client.col(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.app.client.communications(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.app.client.cz(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.app.client.deposit(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.app.client.fv(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.app.client.lcm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.app.client.lending(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.app.client.or(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.app.client.party(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.app.client.pm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.app.client.pricing(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.app.client.sh(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.col(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.communications(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.cz(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.deposit(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.fusion(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.lcm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.lending(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.or(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.party(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.pm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.pricing(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.sh(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.tp(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
	ob.ui.tp.cz(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100

Figure 15–11 SOA WebLogic Console

	 com.ofss.fc.workflow.ui.batchexceptionrecovery	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.brop	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.CapturePartyFinancialsHumanTask	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.CollectionWorkflowApplicationUI	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.common.approval	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.dda	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.FeeNegotiationApprovalTask	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.hardshiprelief	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.lcm.PerformManualAllocationUITask	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.lcm.valuation	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.loans	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.origination	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.PartyMerge	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100
	 com.ofss.fc.workflow.ui.ProcessLoanRolloverHumanTask	Active	 OK	Enterprise Application	obphumantask_cluster1	Global	100

17.4 BAM Installation Verification

To verify the BAM installation:

1. Bring up the Admin and Managed servers (bam_server1).
2. Go to the BAM Login Page Link: http://<BAM_IP>:9003/bam/composer/faces/designer

Figure 15–12 BAM Composer

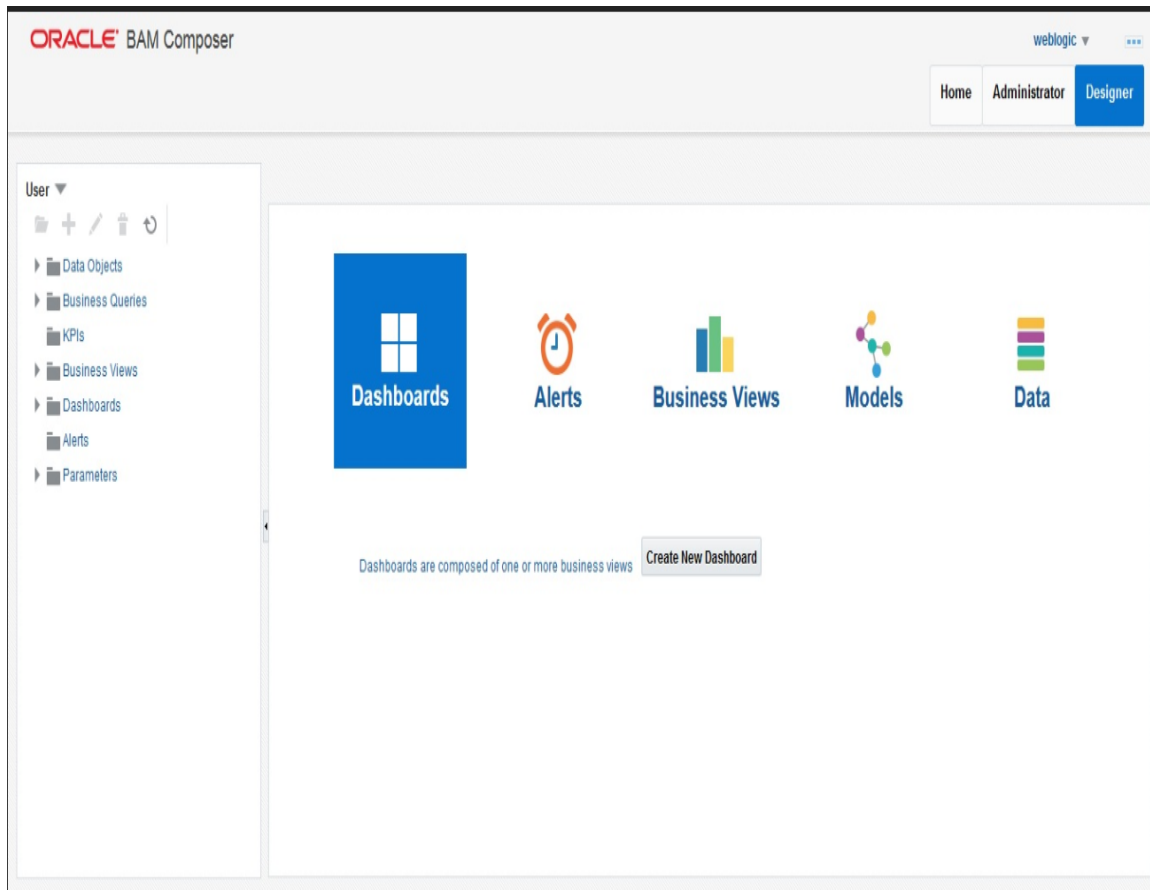
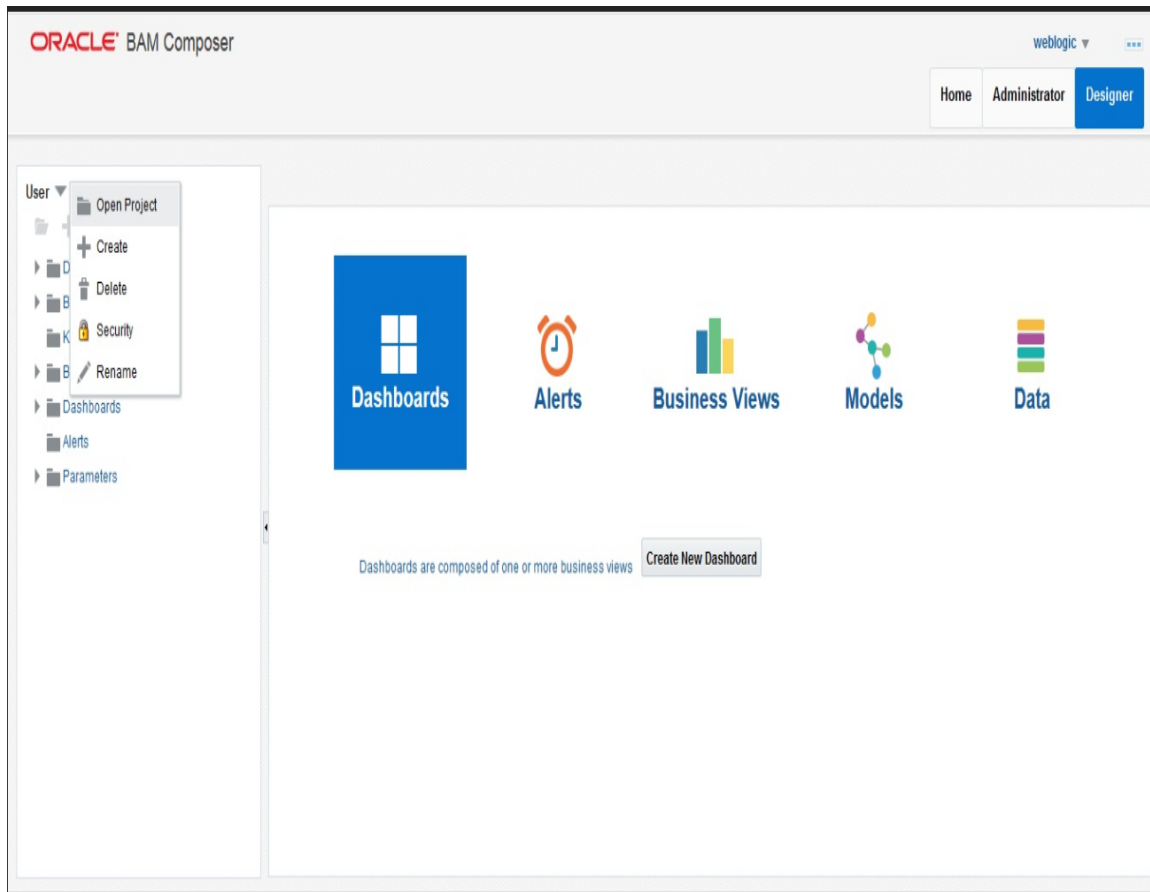
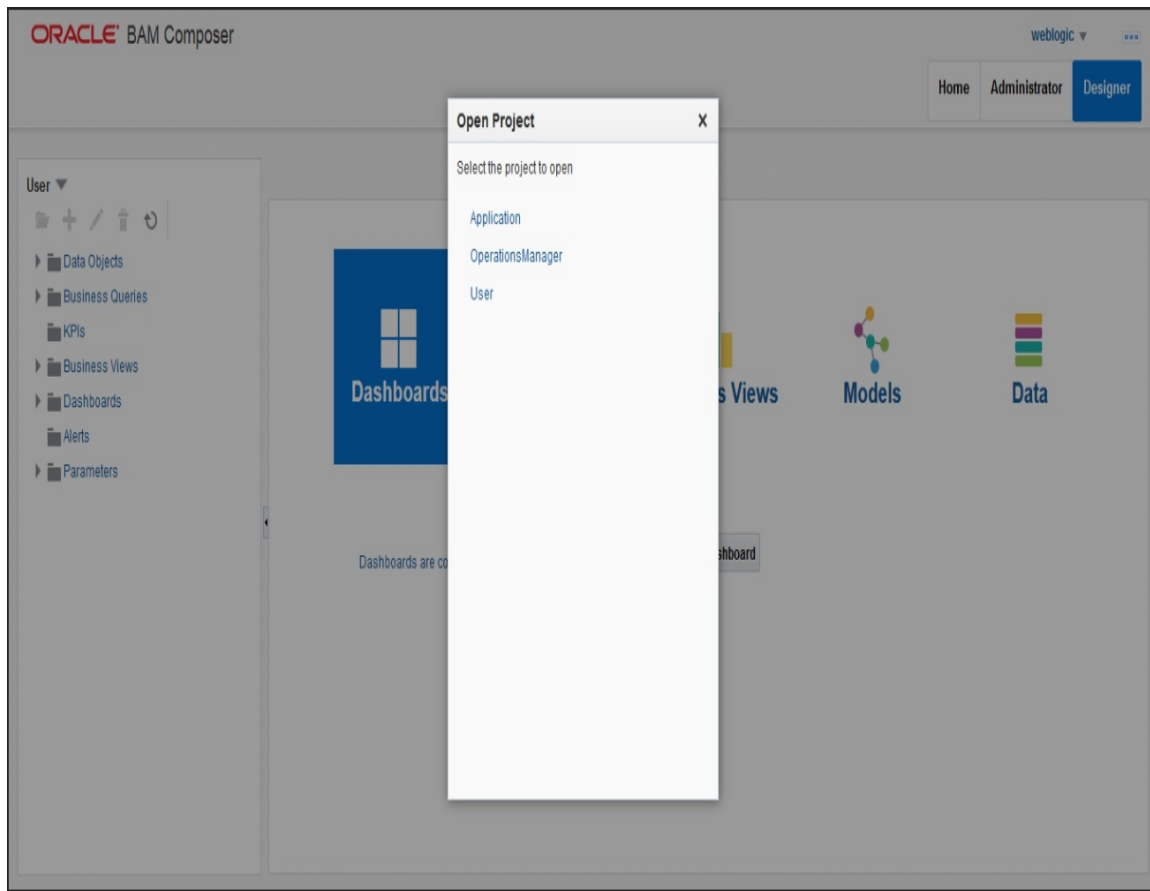


Figure 15–13 BAM Composer

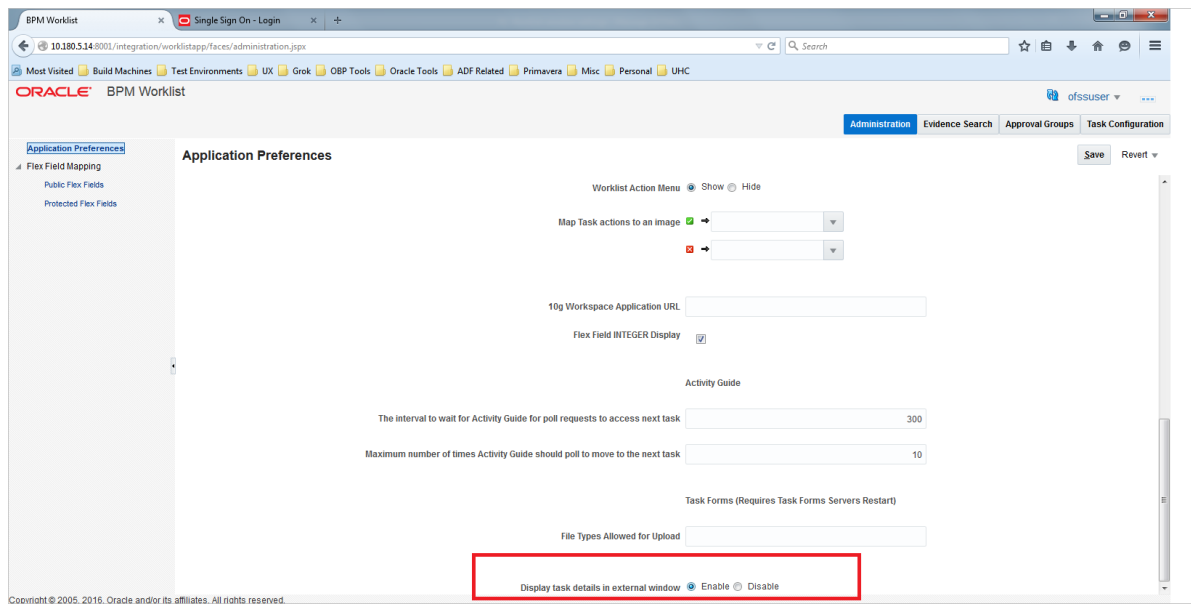


*Figure 15–14 BAM Composer**Figure 15–15 BAM Composer*

17.5 BPM Worklist Window Setting

For BPM Worklist window setting, the option **Display task details in external window** must be set to enable mode. This option is present in administration mode of BPM Worklist as shown in [Figure 15–16](#).

Figure 15–16 BPM Worklist Window Settings



18 Errors and Remedies

This chapter provides information on troubleshooting to help diagnose and remedy some of the problems encountered during installation of the Oracle Banking Platform.

18.1 Oracle Banking Platform Domain Installation

In general, any environmental condition such as a network error that may lead to a halt in the installation is evident to you on the console itself. You can additionally inspect WLST logs created in logs directory under middleware for any anomalies.

While creating OBP SOA domain, ignore the following error:

Error: No domain or domain template has been read.

Error: No domain or domain template has been read.

Figure 16–1 OBP SOA Domain Error

```
Welcome to WebLogic Server Administration Scripting Shell
Type help() for help on available commands

Domain creation started...
Error: No domain or domain template has been read.
Error: No domain or domain template has been read.
Read domain /scratch/app/product/fmw/user_projects/domains/base_domain to applyJRF
Target JRF components to "obpsoa_cluster1"
Copying JRF configuration files from /scratch/app/product/fmw/oracle_common/modules to /scratch/app/product/fmw/user_projects/domains/base_domain/config/fmwconfig/servers/soa_server1
Update JRF changes to domain /scratch/app/product/fmw/user_projects/domains/base_domain in offline mode
Target JRF components to "obphumantask_cluster1"
Copying JRF configuration files from /scratch/app/product/fmw/oracle_common/modules to /scratch/app/product/fmw/user_projects/domains/base_domain/config/fmwconfig/servers/obphuman
task_server1
Update JRF changes to domain /scratch/app/product/fmw/user_projects/domains/base_domain in offline mode
Domain created successfully
Domain /scratch/app/product/fmw/user_projects/domains/base_domain created successfully
```

The domain is created successfully. Also note that for recreation of SOA, Host, and UI domain, a new set of RCU is required, otherwise the pre-installation of respective component fails.

18.2 Oracle Banking Platform Security Policy Seeding

For monitoring Oracle Banking Platform application security policy seeding, you can check the logs generated in \$HOST_FMWOBPoidinstall/PolicyStoreSetup/logs.

18.3 Oracle Banking Platform Domain Post Installation

This section lists various log files that assist in troubleshooting domain post installation as follows:

obp-* logs

During post installation in order to monitor errors, if any, you can check the obp-* logs created in the Oracle Banking Platform WebLogic domain. These logs contain adequate tracing information required to understand the current execution point of the script. This facilitates to determine the various configurations that were executed and those that need due action.

WebLogic Admin Server Logs and stderr file

The script does domain level configurations that require several automated reboots of admin server, which can be monitored by checking the WebLogic admin server logs and stderr file created under obp-domain-dir/servers/AdminServer/stderr.log.

For instance, consider a scenario of Oracle Banking Platform Host installation in which once the post install script for Oracle Banking Platform host has secured itself against a LDAP (OID/OVD) it proceeds to restart the Oracle Banking Platform Host domain admin server to produce these changes. During this if due to a momentary network failure the host machine is unable to make a connection to LDAP then the admin server would fail to start. This will result in the post install script to abruptly abort throwing a subsequent script error (again which might not be conclusive enough to point out the root cause). The 'obp-*' logs created in the Oracle Banking Platform Host domain would indicate an incomplete attempt by post install script to start the admin server.

You can check the admin server logs (to find why the admin server could not start) which will ultimately yield out the actual reasons (in this case the reason being host machine was unable to connect to LDAP).

stderr log, WebLogic Domain Managed Server logs, OFSS logs

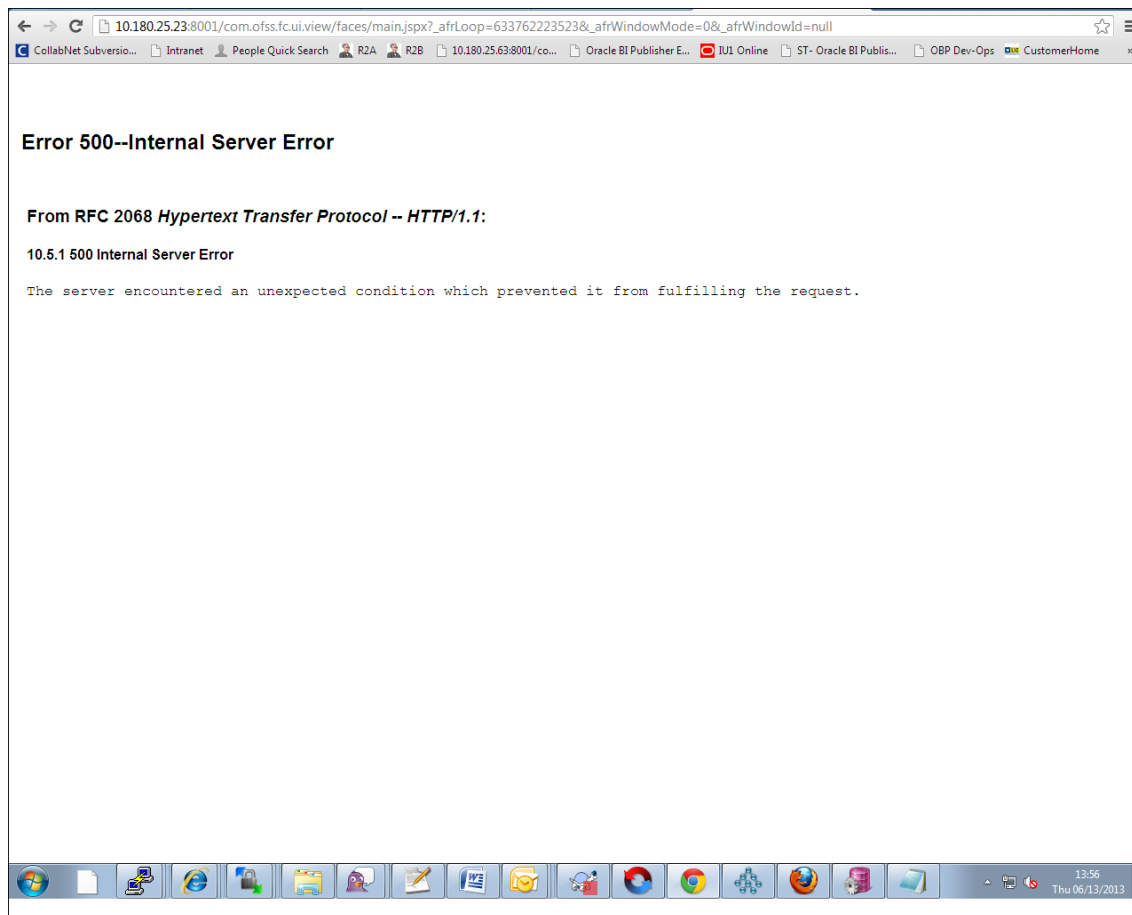
Once the post install script is completed successfully, you can start the domain servers and enter a dummy transaction to check the system correctness. If you face an error you can inspect the stderr log, the WebLogic domain managed server logs as well as the ofss logs under domain directory.

When you start the managed servers post installation, there may occur a lot of error printing in startup logs that you can ignore. However, ensure that the status of the applications deployed on the components is active and the server is in running mode. Even if there are errors during startup of the managed server, you can login to the application successfully.

18.4 Error on First Log in

In the first log in after installation, the following page may appear or blank page may appear:

Figure 16–2 Error on First Log In



In this case, remove the part of the url after '/main.jspx', and then hit the rest of the url (Example: <https://10.180.25.23:8001/com.ofss.fc.ui.view/faces/main.jspx>) again.

18.5 Log in Issues

If there is a problem during logging in the main page, you can check whether the home branch and business unit of the user in OID are the same with the Host DB table. Use the following query to verify it in database:

```
select * from flx_cs_branches_b;
select * from flx_me_business_unit_b;
```

If there is mismatch between the database and OID, make change in OID to match with the database.

18.6 SOA Setup in Cluster

This section explains the error that can be encountered in SOA setup in Cluster, and its resolution.

18.6.1 "COMPONENTTYPE": invalid identifier error

Due to one of the one-off patches for SOA applied during the OBP installation, in SOA cluster environment, the following error might be seen in SOA server logs.

```
Internal Exception: java.sql.SQLException: ORA-00904:
```

```
"COMPONENTTYPE": invalid identifier
```

Though this is not a fatal kind of exception, it can be resolved by adding one more column **componenttype** of size **10** with **char** type in **soainfra** schema for table **cluster_master**.

For example on Oracle database user needs to run the following command on soainfra schema:

```
alter table cluster_master add (componenttype varchar2(10));
```

18.7 BIP Report Data Model Linkage Problem after Host Post Installation Step


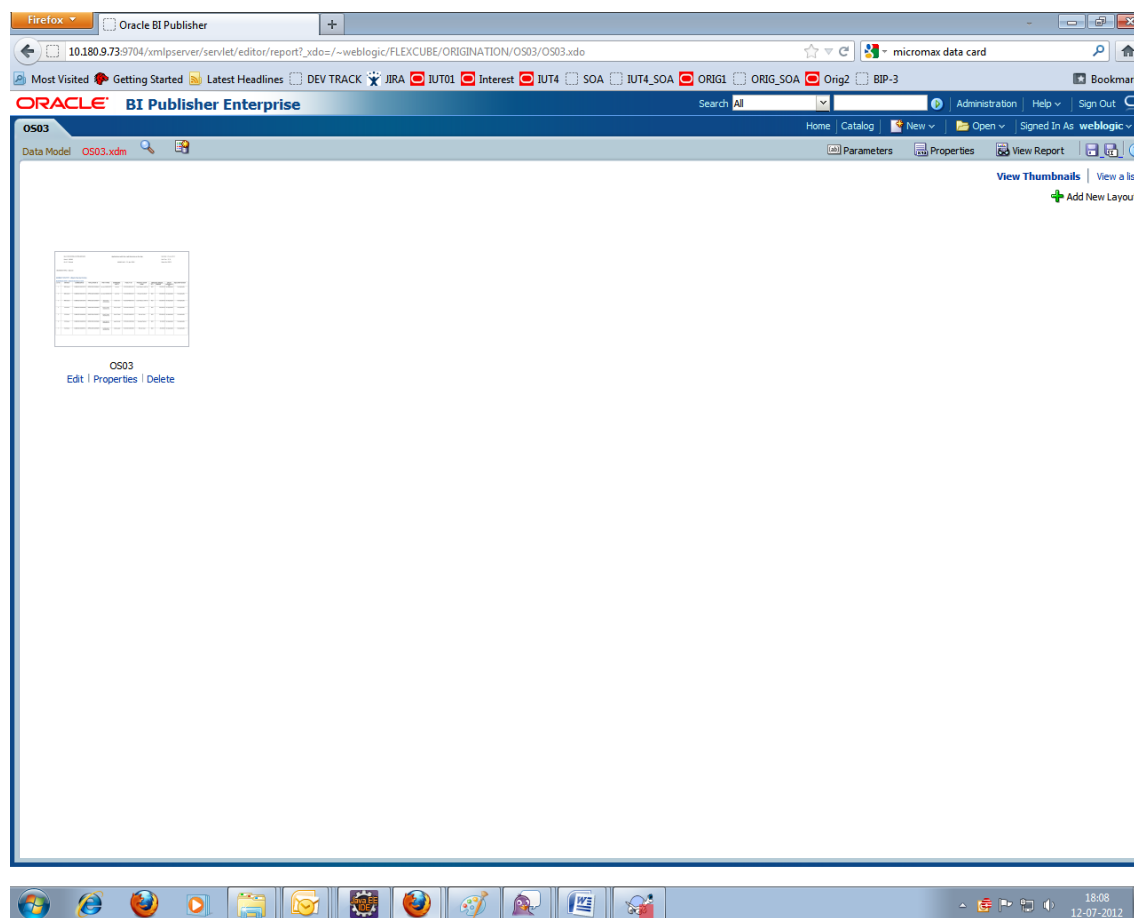
After editing a report, click the magnifying glass icon  to select the data model associated with this report. (Here **OS03.xdm** in red indicates that the data model is not properly connected with the report or that the report is not able to find the model at the location that it is referring)

Figure 16–3 Selecting the Data model



Note

The above step is to be carried out in case the data model of a report has not correctly linked with a report, after reports are deployed in BIP server in Host Post Installation step.

18.8 Oracle BAM Command Utility Issue

This is not an issue. This occurs if Oracle BAM is installed for the second time on the same machine.

The following message appears:

Oracle BAM Command Utility [Build 19427, BAM Repository Version 2025] Copyright © 2002, 2015.

Oracle and/or its affiliates. All rights reserved.

java.lang.SecurityException: User: weblogic, failed to be authenticated.

[ErrorSource="javax.security.auth.login.LoginException: java.lang.SecurityException: User: weblogic, failed to be authenticated."]

The solution or pre-requisite before a second installation is to alter the following file:

<MIDDLEWARE_HOME>/soa/bam/config/BAMCommandConfig.xml

In this file, remove the following tags:

```
<ICommand_Default_User_Name>weblogic</ICommand_Default_User_Name>
<ICommand_Default_
Password>HkFBFDf0t65Kuw9/I70cnwXPYIXKz/OE1h10ID+qjdw=</ICommand_
Default_Password>
```

18.9 BPM Worklist Task Issue

If the BPM Task [Humantask] is not working after installation and you get a backend error indicating access denied, then:

1. Add the following parameters in setStartupEnv.sh for obphumantask_server1.

-

```
Djavax.xml.parsers.DocumentBuilderFactory=com.sun.org.apache.xerces.internal.jaxp.DocumentB
uilderFactoryImpl
```

| -

```
Djavax.xml.transform.TransformerFactory=com.sun.org.apache.xalan.internal.xsltc.trax.Transformer
FactoryImpl
```

-

```
Djavax.xml.parsers.SAXParserFactory=com.sun.org.apache.xerces.internal.jaxp.SAXParserFactory
Impl
```

And jps-config.xml

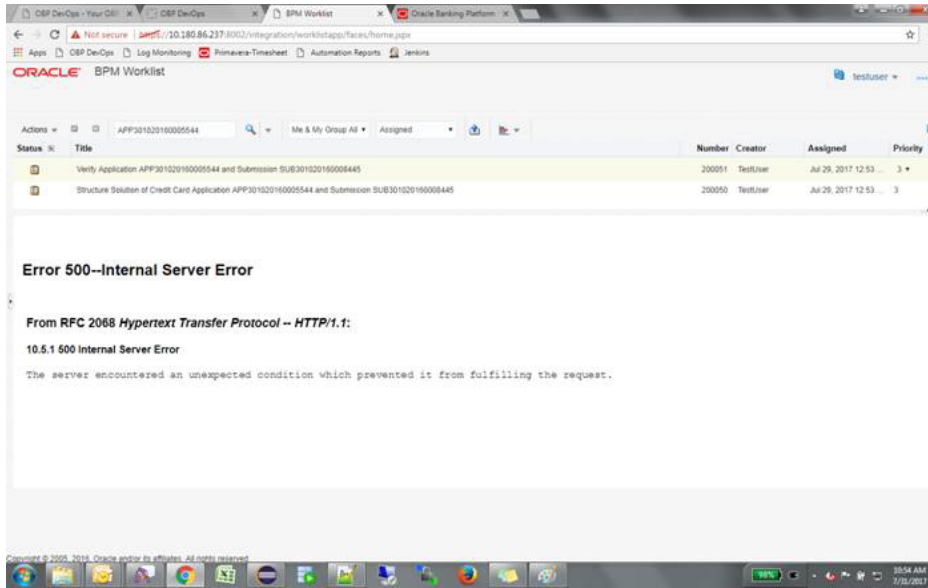
```
<property name="trust.keystoreType" value="KSS"/>
```

```
<property name="trust.keyStoreName" value="kss://opss/trustservice_ks"/>
```

```
<property name="trust.trustStoreName" value="kss://opss/trustservice_ts"/>
```

2. Restart it.

Figure 16–4 BPM Worklist Task issue



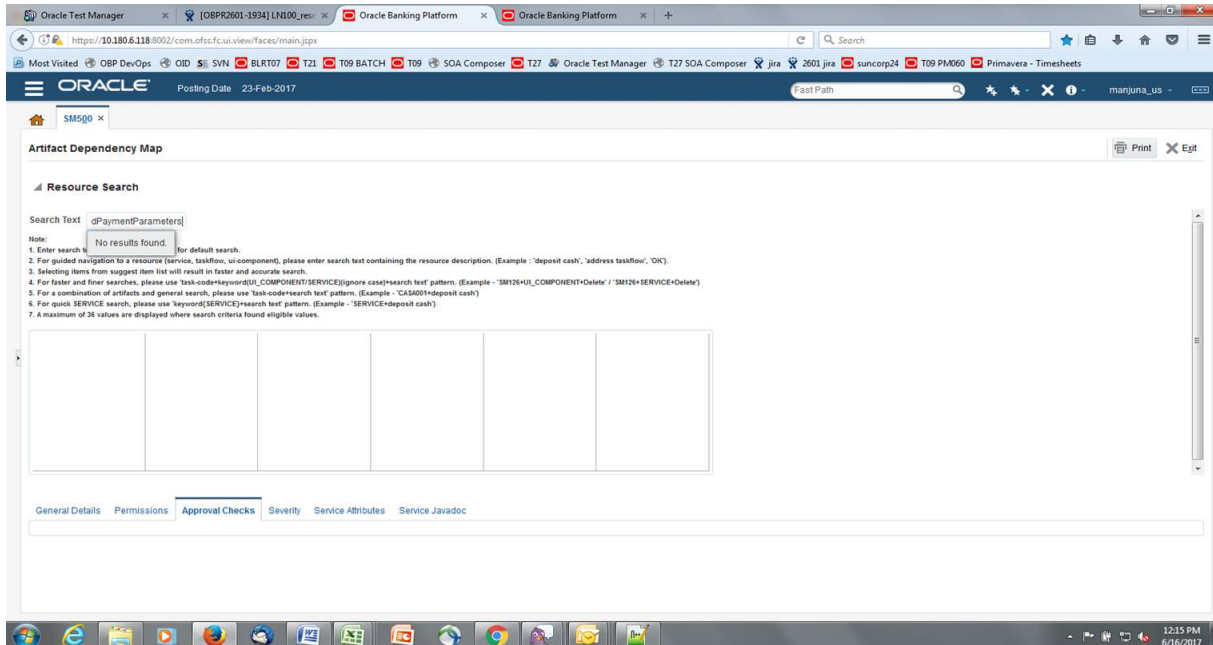
18.10 Artifacts Issue for SM500 page

If artifacts are not available for SM500, execute the load-artifacts.sh script present at the host installable path.

For example,

```
sh /scratch/install/ load-artifacts.sh
```

Figure 16–5 Artifacts Issue for SM500 page



18.11 ra/FCRJConnectorSOA connector issue

If below mentioned error is faced on Humantask server, configuration shown in the below figure has to be done to resolve issue.

Caused By: `javax.resource.spi.ApplicationServerInternalException: Unable to get a connection for pool = "ra/FCRJConnectorSOA", weblogic.common.resourcepool.ResourceUnavailableException: No resources currently available in pool ra/FCRJConnectorSOA to allocate to applications. Either specify a time period to wait for resources to become available, or increase the size of the pool and retry.`

at `weblogic.connector.outbound.ConnectionManagerImpl.getConnectionInfo`
(`ConnectionManagerImpl.java:458`)

Set the Max Capacity size to 50 and Highest Num Waiters to 15 as shown in the below figure and redeploy the connector on Humantask server.

Figure 16–6 Settings for `javax.resource.cci.ConnectionFactory` page

The screenshot shows the Oracle WebLogic Server Administration Console interface. The main content area displays the 'Settings for javax.resource.cci.ConnectionFactory' page, specifically the 'Connection Pool' tab. The page contains a table of configuration parameters for the connection pool. Two parameters are highlighted with red boxes: 'Max Capacity' is set to 50, and 'Highest Num Waiters' is set to 15. Other parameters include Initial Capacity (1), Capacity Increment (1), Shrinking Enabled (true), Shrink Frequency Seconds (900), Highest Num Unavailable (0), Connection Creation Retry Frequency Seconds (0), Connection Reserve Timeout Seconds (-1), and Test Frequency Seconds (0).

Parameter	Value	Description
Initial Capacity	1	The initial number of connections in the pool. More Info...
Max Capacity	50	The maximum number of connections in the pool. More Info...
Capacity Increment	1	The number of connections created when new connections are added to the connection pool. More Info...
Shrinking Enabled	true	Should unused connections be removed from the pool? More Info...
Shrink Frequency Seconds	900	The number of seconds to wait before shrinking a connection pool that has incrementally increased to meet demand. (You must also enable connection pool shrinking.) More Info...
Highest Num Unavailable	0	The Highest Num Unavailable of this outbound connection. More Info...
Highest Num Waiters	15	The Highest Num Waiters of this outbound connection. More Info...
Connection Creation Retry Frequency Seconds	0	The number of seconds between attempts to establish connections to the database. More Info...
Connection Reserve Timeout Seconds	-1	The Connection Reserve Timeout Seconds of this outbound connection. More Info...
Test Frequency Seconds	0	The frequency, in seconds, to test connections in this outbound connection pool. More Info...

18.12 Humantask Startup Issue

If Humantask server is not coming up in running mode after installation and if you face below mentioned error, `<Nov 21, 2017, 7:40:52.638 PM GMT+05:30> <Error> <Socket> <BEA-000403> <IOException occurred on socket: Socket[addr=/10.180.35.5,port=57761,localport=7001]`

`weblogic.socket.MaxMessageSizeExceededException: Incoming message of size: '10000080' bytes exceeds the configured maximum of: '10000000' bytes for protocol: 't3'.`

`weblogic.socket.MaxMessageSizeExceededException: Incoming message of size: '10000080' bytes exceeds the configured maximum of: '10000000' bytes for protocol: 't3'`

at `weblogic.socket.BaseAbstractMuxableSocket.incrementBufferOffset`
(`BaseAbstractMuxableSocket.java:212`)

at `weblogic.socket.BaseAbstractMuxableSocket.incrementBufferOffset`
(`BaseAbstractMuxableSocket.java:188`)

at `weblogic.rjvm.t3.MuxableSocketT3.incrementBufferOffset`(`MuxableSocketT3.java:675`)

at `weblogic.socket.SocketMuxer.readFromSocket`(`SocketMuxer.java:1004`)

at weblogic.socket.NIOSocketMuxer.readFromSocket(NIOSocketMuxer.java:771)

Truncated. see log file for complete stacktrace

>

Update the setDomainEnv.sh configuration file by setting MaxMessageSize for server as,

```
EXTRA_JAVA_PROPERTIES="{EXTRA_JAVA_PROPERTIES} -
Dweblogic.MaxMessageSize=50000000"
export EXTRA_JAVA_PROPERTIES
```

18.13 Collection Mocking

By default collection is enabled in enterprise application. For mocking collection, perform the following steps:

1. Execute the following SQL queries in application database:

```
update flx_fw_config_all_b set prop_value='false' where prop_
id='collection.bootstrap' and category_id='root';

update flx_fw_config_all_b set prop_value='false' where prop_
id='collection.webservice.bootstrap' and category_id='root';
```

2. Update the setDomainEnv.sh configuration file on HOST server with the following parameters:

```
EXTRA_JAVA_PROPERTIES="{EXTRA_JAVA_PROPERTIES} -
DAdapterFactories:INS_COLLECTION_ADAPTER MOCKED=true -
DAdapterFactories:PARTY_COLLECTION_ADAPTER MOCKED=true -
DAdapterFactories:LN_COLLECTION_ADAPTER MOCKED=true -
DAdapterFactories:LCM_COLLECTION_ADAPTER MOCKED=true -
DAdapterFactories:ACCOUNT_COLLECTION_ADAPTER MOCKED=true -
DAdapterFactories:DDA_COLLECTION_ADAPTER MOCKED=true -
DAdapterFactories:AC_COLLECTION_ADAPTER MOCKED=true -
DAdapterFactories:CS_COLLECTION_ADAPTER MOCKED=true"
export EXTRA_JAVA_PROPERTIES
```

3. Restart the HOST managed server.

18.14 DDA, Party and LOAN Mocking for OBEO installer

For DDA, Party and LOAN Mocking, perform the following steps:

1. Update the setDomainEnv.sh configuration file on HOST server with the following parameters:

```
EXTRA_JAVA_PROPERTIES="{EXTRA_JAVA_PROPERTIES} -
DAdapterFactories:ACCOUNT_DDA MOCKED=true -
DAdapterFactories:ACCOUNT_LOAN MOCKED=true -
DAdapterFactories:PARTY_ENTITLEMENT_ADPT MOCKED=true "
```

```
export EXTRA_JAVA_PROPERTIES
```

2. Restart the HOST managed server.

19 Uninstalling the Application

This chapter explains the process of uninstalling the Oracle Banking Platform.

19.1 Manual Uninstall

Currently an installed Oracle Banking Platform WebLogic domain can be uninstalled manually by removing following directories:

- Manually delete WebLogic domain (Middleware_Home/user_projects/domains) created from obpinstall template.
- Clean up middleware directory for any files or folders containing obp in their names (simply run `rm -rf *obp*` under middleware directory).
- For uninstalling any of the Oracle Banking Platform related database schemas run the RCU utility and choose the **Drop** option.