

Oracle® Banking Enterprise Default Management

US Localization Installation Guide - Silent Installation

Release 2.10.0.0.0

F29509-01

April 2020

Oracle Banking Enterprise Default Management US Localization Installation Guide - Silent Installation, Release 2.10.0.0.0

F29509-01

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Preface

The Oracle Banking Enterprise Default Management US Localization Installation Guide - Silent Installation contains information on silent installation and configuration of Oracle Banking Enterprise Default Management 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 Enterprise Default Management US localization 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

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Organization of the Guide

This document contains:

[Chapter 1 Getting Started](#)

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

[Chapter 2 Pre-Installation Configuration](#)

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

[Chapter 3 OBEDM US Localization SOA Media Pack Installation](#)

This chapter explains the steps involved in the installation, and post installation and configuration of Oracle Banking Enterprise Default Management US Localization SOA (Integration Server) Media pack.

Chapter 4 OBEDM US Localization Host Media Pack Installation

This chapter explains the steps involved in the installation, and post installation and configuration of Oracle Banking Enterprise Default Management US Localization Host Media Pack.

Chapter 5 OBEDM US Localization Presentation Media Pack Installation

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

Chapter 6 Standalone Database Setup

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

Chapter 7 OBEDM and IPM Integration

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

Chapter 8 ODI Configuration

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

Chapter 9 Monitoring Servers Using Oracle Enterprise Manager

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

Chapter 10 Post Installation Verification

This chapter explains the steps required to verify the installation of Oracle Banking Enterprise Default Management.

Chapter 11 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 Enterprise Default Management.

Chapter 12 Uninstalling the Application

This chapter explains the process of uninstalling the Oracle Banking Enterprise Default Management.

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 Enterprise Default Management 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 Enterprise Default Management Security Guide.
- For the complete list of licensed products and the third-party licenses included with the license, see the Oracle Banking Enterprise Default Management Licensing Guide.
- For information related to setting up a bank or a branch, and other operational and administrative functions, see the Oracle Banking Enterprise Default Management Administrator Guide.

- For information related to customization and extension, see the Oracle Banking Enterprise Default Management Extensibility Guides for HOST and UI.
- For information on the functionality and features, see the respective Oracle Banking Enterprise Default Management Functional Overview document.
- For recommendations of secure usage of extensible components, see the Oracle Banking Enterprise Default Management Secure Development Guide.

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
DB or db	Oracle Database
HOST	Middleware Host Tier
IPM	Imaging and Process Management
OBEDM	Oracle Banking Enterprise Default Management
ODI	Oracle Data Integrator
OEL	Oracle Enterprise Linux
OEM	Oracle Enterprise Manager
OID	Oracle Internet Directory
OIM	Oracle Identity Manager
RCU	Repository Creation Utility
sh	Unix Shell file
SOA	Service Oriented Architecture Tier
SVN	Source Code Version Repository
UI	User Interface, that is Presentation Tier
WLS	WebLogic Server

1 Getting Started

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

1.1 About Oracle Banking Enterprise Default Management

Oracle Banking Enterprise Default Management (OBEDM) is a web-based innovative solution designed to assist financial institutions with managing the repayment of their consumer lending portfolios. The solution enables financial institutions in identification of delinquent accounts, accurate tracking and monitoring of delinquent accounts as well as charged-off accounts with high standards of efficiency. OBEDM consists of two modules - Collections and Recovery. The Collections solution covers the delinquent life cycle of consumer loans and overdraft accounts, starting from the identification of the symptoms of delinquency to actually tracking delinquency and impairment. It creates strategies in a befitting manner to achieve time and cost efficiency in collection activities. The Recovery solution covers the life cycle of a charged-off account and manages the account for tracking interest levied, expenses incurred, and payments received throughout the life cycle of charged-off account. This inherits all the capabilities of Collections solution.

1.2 About This Document

This document guides you through the installation of the Oracle Banking Enterprise Default Management along with US localization. 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 Enterprise Default Management 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.

1.3 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 2.1.2 Software Environment](#).

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

- The OBEDM 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 OBEDM 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 OBEDM localization installation.

1.4 Limitations

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

1.5 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.

2 Pre-Installation Configuration

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

2.1 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 Enterprise Default Management solution depends and runs on (for example, Database or WebLogic) or interfaces with (for example, OID or IPM).

2.1.1 Hardware Environment

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

Table 2–1 Hardware and OS

Sr. No.	CPU (2+GHz)	RAM (GB)	Disk (GB)	OS Version	Purpose
1	4	16	200	OEL 7.5 64 bit	OBEDM Oracle Database
2	4	32	200	OEL 7.5 64 bit	OBEDM ADF UI Presentation Server
3	4	32	200	OEL 7.5 64 bit	OBEDM 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	4	32	200	As per SOA certification matrix.	Oracle SOA Server

2.1.2 Software Environment

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

2.1.2.1 Certification Details

The following software are mandatory:

Table 2–2 List of Software

Sr. No.	Components	Zone	Software
1	OBEDM UI Presentation	Banking App	Oracle Fusion Middleware Infrastructure 12c (12.2.1.3.0) Java Version jdk1.8.0_xx (jdk1.8.0_172) Oracle Linux 7.5 64-bit
2	SOA	Banking App	Oracle SOA Suite 12c (12.2.1.3.0) Java Version jdk1.8.0_xx (jdk1.8.0_172) Oracle Linux 7.5 64-bit
3	OBEDM HOST	Banking App	Oracle Fusion Middleware Infrastructure 12c (12.2.1.3.0) Oracle Database 12c Enterprise Edition Release 12.2.0.1.0 Java Version jdk1.8.0_xx (jdk1.8.0_172) Oracle Linux 7.5 64-bit
4	OID	Security	Oracle Internet Directory 12.2.1.3.0 Oracle Fusion Middleware Infrastructure 12c (12.2.1.3.0) Java Version jdk1.8.0_xx (jdk1.8.0_172) Oracle Linux 7.5 64-bit
5	IPM	Document	Oracle WebCenter - Content 12.2.1.3.0 Oracle Fusion Middleware Infrastructure 12c (12.2.1.3.0) Java Version jdk1.8.0_xx (jdk1.8.0_172) Oracle Linux 7.5 64-bit
6	ODI	Integration	Oracle Data Integrator 12c (12.2.1.3.0) Java Version jdk1.8.0_xx (jdk1.8.0_172) Oracle Linux 7.5 64-bit
7	OIM	Security	Oracle Identity Manager 12.2.1.3.0 Oracle Fusion Middleware Infrastructure 12c (12.2.1.3.0) Java Version jdk1.8.0_xx (jdk1.8.0_172) Oracle Linux 7.5 64-bit
8	OAM	Security	Oracle Access Manager 12.2.1.3.0 Oracle Fusion Middleware Infrastructure 12c (12.2.1.3.0) Java Version jdk1.8.0_xx (jdk1.8.0_172) Oracle Linux 7.5 64-bit
9	OEM	Management	Oracle Enterprise Manager 13.2.0.0.0 As per certification matrix of Oracle Enterprise Manager 13.2.0.0.0
10	EM Agent Installation	Management	Push from OEM Console
11	OBEDM Database	Database	Oracle Database 12c Enterprise Edition Release 12.2.0.1.0 Oracle Linux 7.5 64-bit
12	HTTP Server	Web Server	Oracle HTTP Server 12.2.1.3.0

The following are some notes related to the software.

Table 2–3 Notes

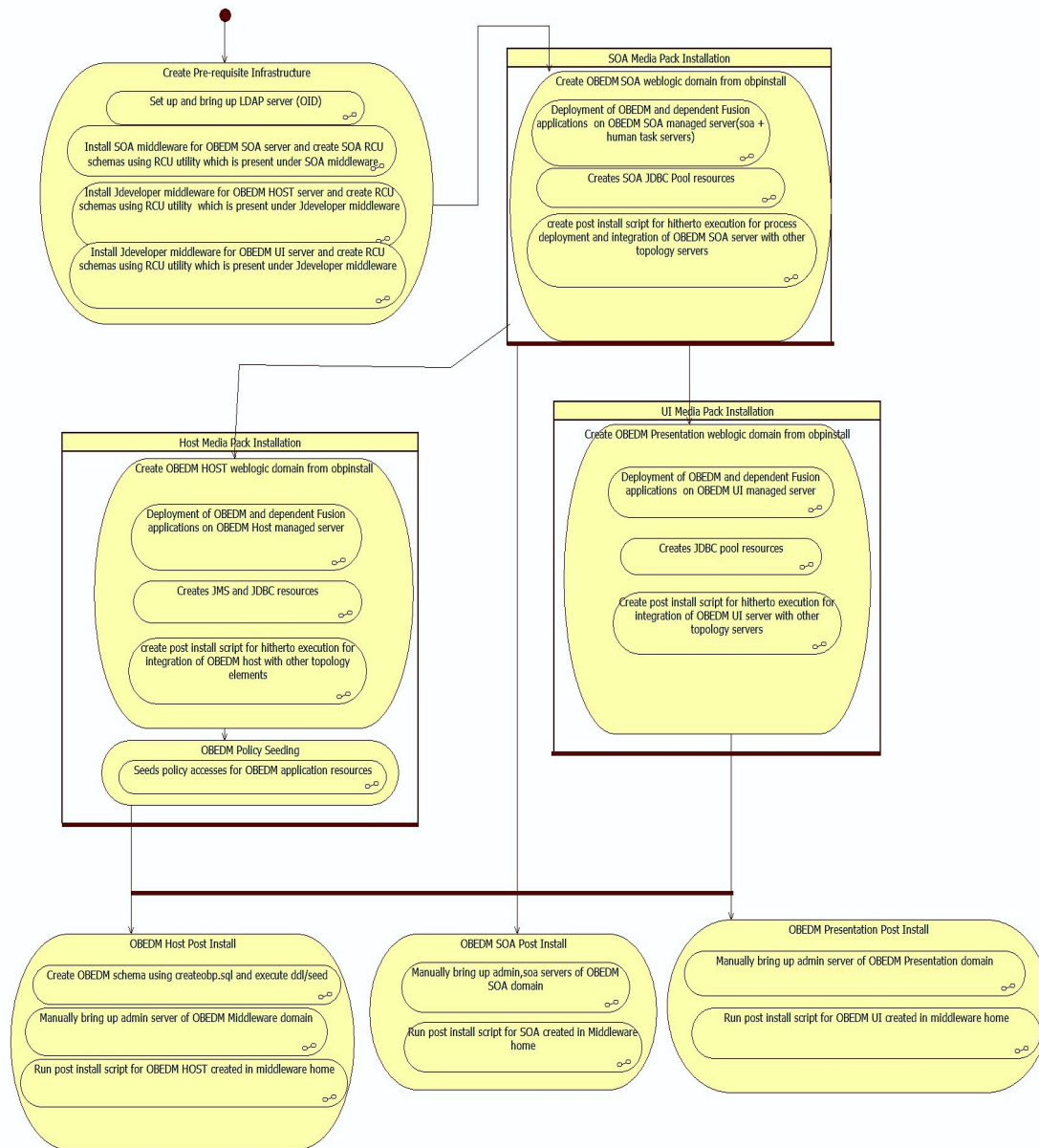
Serial Number	Description
1	OBEDM release has been certified with OEL version 7.5 during the release cycle. It is strongly recommended to use the versions on which the release is certified.
2	<p>ODI_OUTBOUND_USERNAME and ODI_OUTBOUND_PASSWORD</p> <p>The OBEDM installer will not abort the installation if this component is not present. It can be installed later.</p> <p>However, it is strongly recommended to use the actual property values instead of default property values during the installation.</p> <p>Else, the actual values for ODI_OUTBOUND_USERNAME and ODI_OUTBOUND_PASSWORD once available have to be manually updated in the 'ra/FCRJConnectorODI' jndi property of com.ofss.fc.app.connector.ear application inside middleware host server after the entire installation completes.</p>
3	<p>The OBEDM 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>
4	<p>OIM_OUTBOUND_USERNAME and OIM_OUTBOUND_PASSWORD</p> <p>The OBEDM 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>
5	Oracle Access Manager can be installed later.
6	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.
7	It is mandatory for machine nodes on which OBEDM 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.
8	<p>Download the jce_policy.zip from Oracle website for the current Java version being used. For jdk1.8.0_xx, download Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy Files 8 jce_policy-8.zip from the below link:</p> <p>https://www.oracle.com/technetwork/java/javase/downloads/jce-all-download-5170447.html</p> <p>Copy “local_policy.jar” and “US_export_policy.jar” from inside this zip file in the path mentioned below.</p> <p>JAVA_HOME/jre/lib/security/</p>
9	<p>It is mandatory that the team installing OBEDM reads and understands the system requirements and specifications for the fusion middleware specified in the following link:</p> <p>https://docs.oracle.com/html/E82037_01/toc.htm</p>

Serial Number	Description
	<p>The url details the system and platform-specific information for Oracle Fusion Middleware 12c Release 1 (12.2.1.3.0) products.</p> <p>Changes necessary at a system level for the fusion middleware should be made prior to executing OBEDM media packs.</p> <p>For example, the number of open files should be increased from the default value as specified in the following link:</p> <p>https://docs.oracle.com/html/E82037_01/toc.htm#GUID-95BCDEF2-F2FC-4E30-A8EF-B966F817B1D4</p>
10	<p>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.</p>
11	<p>Oracle SOA Suite 12.2.1.3.0 patch - p27651368_122130_Generic.zip has to be applied on SOA machine only. This can be downloaded from the following link:</p> <p>http://aru.us.oracle.com:8080/ARU/ViewPatchRequest/process_form?aru=22513715</p>

2.2 Installation Process Overview

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

Figure 2–1 Installation Overview



2.3 Installation Checklist

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

https://docs.oracle.com/html/E82037_01/toc.htm

The link details the system and platform-specific information for Oracle Fusion Middleware 12c Release 1 (12.2.1.3.0) products.

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

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

https://docs.oracle.com/html/E82037_01/toc.htm#GUID-95BCDEF2-F2FC-4E30-A8EF-B966F817B1D4

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.

2.3.1 Updating `installobp***.properties`

The following checklist provides values for updating `installobp***.properties`.

Table 2–4 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	N	
4	OID_FARM_AND_POLICY_SEEDING_FLAG	Flag for policy seeding	Y	
5	BIP_REPORTS_UPLOADING_FLAG	Flag for BIP reports uploading	N	
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 utility executing on a remote Linux server.	10.180.84.110	
9	LOCAL_DISPLAY_VALUE	Value of DISPLAY variable to be	0	

Sr.No	Name	Description	Example Value	Value
		exported to generate installation wizard in local machine		
10	DOMAIN_NAME	Weblogic Domain name	host_domain or ui_domain or base_domain	
11	XD_COMPONENT_NAME	XD Component value	batchhost	This will be always batchhost
12	LOCALIZATION_TYPE	Type of localization	US	Depends on localization type
13	DOMAIN_DIRECTORY_LOCATION	Location where DOMAIN_NAME folder will be created	/scratch/app/product/fmw/user_projects/domains	
14	WEBLOGIC_USERNAME	Username for weblogic domain	weblogic	
15	WEBLOGIC_PASSWORD	Password for weblogic domain	weblogic1	
16	ADMIN_SERVER_LISTEN_ADDRESS	Admin server listen address	10.180.84.110 (Do not use localhost)	
17	ADMIN_SERVER_LISTEN_PORT	Admin server listen port	7001	
18	ADMIN_SERVER_SSL_LISTEN_PORT	Admin server SSL listen port	7002	
19	MANAGED_SERVER_LISTEN_ADDRESS	Managed server listen address	10.180.84.110	
20	MANAGED_SERVER_LISTEN_PORT	Managed server listen port	8001	
21	MANAGED_SERVER_SSL_LISTEN_PORT	SSL listen port for managed server	8002	
22	LDAP_PROVIDER	Refers to LDAP Provider .Value will be OID or OVD.	OID	
23	OID_IP	I/P address of the OID server.	10.180.84.113	
24	OID_PORT	Port of the OID process instance.	3060	

2.3 Installation Checklist

Sr.No	Name	Description	Example Value	Value
25	OID_ADMIN_USER	Admin user id which can be used to login of the OID as administrator.	cn= orcladmin	
26	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
27	OID_GROUP_DSN	The DSN used for object class Groups in the OID ldap.	cn=Groups,dc=in,dc=oracle,dc=com	
28	OID_USER_DSN	The DSN used for object class Users in the OID ldap.	cn=Users,dc=in,dc=oracle,dc=com	
29	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	
30	HOST_CLUSTER_NAME	Refers to HOST cluster name	obphost_cluster1	
31	HOST_SERVER_NAME	Refers to HOST server name	obphost_server1	
32	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	
33	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	/scratch/app/product/jdk1.8.0_101	

Sr.No	Name	Description	Example Value	Value
		patching.		
34	CENTRAL_INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oralInventory	
35	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)	
36	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	
37	HOST_MW_HOME	Refers to the middleware home of the weblogic installation on the Host server.	/scratch/app/product/fmw	
38	UI_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of UI Admin server	10.180.84.111	
39	UI_ADMIN_SERVER_LISTEN_PORT	Listen port of UI Admin server	7001	
40	UI_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of UI managed server	10.180.84.111	
41	UI_MANAGED_SERVER_LISTEN_PORT	Listen port of UI managed server	8001	
42	UI_MANAGED_SERVER_SSL_LISTEN_PORT	Listen ssl port of UI managed server	8002	
43	SOA_ORACLE_HOME	Name of Oracle SOA which is present in fusion middleware.	soa	
44	SOA_IP	i/p address of SOA machine	10.180.84.112	

2.3 Installation Checklist

Sr.No	Name	Description	Example Value	Value
45	SOA_UNIX_USER	Unix username of SOA machine	ofssobp	
46	SOA_MW_HOME	Refers to the middleware home of the weblogic installation on the SOA server.	/scratch/app/product/fmw	
47	SOA_DOMAIN_NAME	Refers to the middleware home of the weblogic installation on the SOA server.	base_domain	
48	SOA_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of SOA server	10.180.84.112	
49	SOA_ADMIN_SERVER_LISTEN_PORT	Listen port of SOA Admin server	7001	
50	SOA_MANAGED_SERVER_LISTEN_PORT	Listen port of SOA server	8001	
51	SOA_WEBLOGIC_USERNAME	Username of the server of SOA domain	weblogic	
52	SOA_WEBLOGIC_PASSWORD	Password of the server of SOA domain	weblogic1	
53	UI_IP	I/P address of the server on which the OBP presentation or UI layer should be installed.	10.180.84.111	
54	UI_UNIX_USER	Linux login user id used to install the OBP UI solution.	ofssobp	
55	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	
56	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
57	BIP_SERVER_IP	I/P of the BIP server to host OBP	10.180.84.115	

Sr.No	Name	Description	Example Value	Value
		reports		
58	BIP_SERVER_PORT	Port of the BIP server that hosts OBP reports	9502	
59	BIP_UNIX_USER	Linux login user id for BIP server	ofssobp	
60	BIP_HOME	Oracle BIP Home directory on BIP server	/scratch/app/product/fmw/bi	
61	BIP_INSTANCE_PATH	Oracle BIP Instance directory on BIP server	/scratch/app/product/fmw/user_projects/domains/bi_domain/bidata/	
62	BIP_SERVER_USER	Oracle BIP server user id	weblogic	
63	BIP_SERVER_PSWD	Oracle BIP server user password	weblogic1	
64	BIP_REPORT_BASE_PATH	Logical Base Path on Oracle BIP server under which OBP reports would be hosted	OBEDM27/R27INSTALLER	
65	BIP_DATASOURCE_NAME	OBP Host database user used by OBP report to fetch data for reports	OBEDM27	
66	IPM_UNIX_USER	Linux login user id for IPM server	ofssobp	
67	IPM_SERVER_IP	IP of Oracle Image and Processing Server for OBP Content Management	10.180.84.114	
68	IPM_SERVER_PORT	Port of Oracle Image and Processing Server for OBP Content Management	16000	
69	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
70	OAAM_SERVER_IP	OAAM server IP for 2FA.	oaam-ofss.com	

2.3 Installation Checklist

Sr.No	Name	Description	Example Value	Value
		OAAM_SERVER_IP refers to the ip address of OAAM Server (i.e. the IP of default server name as oaam_server_server1)		
71	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	
72	OIM_SERVER_IP	Oracle Identity Manager IP	oim-ofss.com	
73	OIM_SERVER_PORT	Oracle Identity Manager Port	16000	
74	OFSA_SERVER_IP	OFSA Server IP	ofsaa-ofss.com	
75	OFSA_SERVER_PORT	OFSA Server Port	17000	
76	DOCUKAKER_SERVER_IP	i/p address of Documaker server	documaker-ofss.com	
77	DOCUKAKER_SERVER_PORT	Listen port of Documaker server	15000	
78	BAM_SERVER_NAME	Bam sever listen address	bam-ofss.com	
79	BAM_SERVER_PORT	BAM managed server port	9003	
80	ODI_SERVER_NAME	ODI server listen address	odi-ofss.com	
81	ODI_SERVER_PORT	ODI server listen port	8001	
82	OBP_HOST_DB_USER	OBP Host database user	OBEDM27	
83	OBP_HOST_DB_PASSWORD	OBP Host database password	welcome1	
84	OBP_HOST_DB_IP	OBP Host database i/p address	10.180.84.113	

Sr.No	Name	Description	Example Value	Value
85	OBP_HOST_DB_PORT	OBP Host database port	1521	
86	OBP_HOST_DB_SERVICE_NAME	OBP Host database service name	P84113A	
87	ONS_NODE	i/p address of ONS service	10.180.84.113	
88	ONS_PORT	Listen port of ONS service	6250	
89	OPSS_HOST_SCHEMA_USER	OPSS Host schema user	PRDHOST_OPSS	
90	OPSS_HOST_SCHEMA_PASSWORD	OPSS Host schema password	welcome1	
91	OPSS_HOST_DB_IP	OPSS Host DB IP	10.180.84.113	
92	OPSS_HOST_DB_PORT	OPSS Host DB Port	1521	
93	OPSS_HOST_DB_SERVICE_NAME	OPSS Host database service name	P84113A	
94	LOCAL_DATASOURCE	STB datasource schema name	PRDHOST_STB	
95	MDS_HOST_DB_USER	MDS schema user to be used by UI and Host domain	UI27_MDS	
96	MDS_HOST_DB_PASSWORD	MDS schema Password of MDS schema user to be used by UI and Host domain	welcome1	
97	MDS_HOST_DB_IP	MDS DB IP address of MDS schema user to be used by UI and Host domain	10.180.84.113	
98	MDS_HOST_DB_PORT	MDS db port of MDS schema user to be used by UI and Host domain	1521	
99	MDS_HOST_DB_SERVICE_NAME	MDS db service name of MDS schema user to be used by UI and Host domain	P84113A	

2.3 Installation Checklist

Sr.No	Name	Description	Example Value	Value
100	OPSS_SOA_SCHEMA_USER	SOA OPSS schema name	SOA27_OPSS	
101	OPSS_SOA_AUDIT_DBDS	SOA OPSS Audit schema name	SOA27_IAU_APPEND	
102	OPSS_SOA_AUDIT_VIEWDS	SOA OPSS Audit View schema name	SOA27_IAU_VIEWER	
103	OPSS_SOA_SCHEMA_PASSWORD	Password of SOA OPSS schema name	welcome1	
104	OPSS_SOA_DB_IP	IP address of SOA OPSS DB machine	10.180.84.113	
105	OPSS_SOA_DB_PORT	Port of SOA OPSS DB	1521	
106	OPSS_SOA_DB_SERVICE_NAME	Service name of SOA OPSS DB	P84113A	
107	HOST_ADMIN_JVM_PARAMS	Host domain admin JVM startup parameters	-Xms1024m -Xmx4096m	
108	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	
109	KEYSTORE_PASSWORD	Password for generating certificate	welcome1	
110	IPM_OUTBOUND_USERNAME	IPM Username created in connector	weblogic	
111	IPM_OUTBOUND_PASSWORD	Password for the IPM user in connector	weblogic1	
112	BIP_OUTBOUND_USERNAME	BIP Username created in connector	weblogic	
113	BIP_OUTBOUND_PASSWORD	Password for the BIP user in connector	weblogic1	
114	ODI_OUTBOUND_USERNAME	ODI Username created in	weblogic	

Sr.No	Name	Description	Example Value	Value
		connector		
115	ODI_OUTBOUND_PASSWORD	Password for the ODI user in connector	weblogic1	
116	OIM_OUTBOUND_USERNAME	OIM Username created in connector	weblogic	
117	OIM_OUTBOUND_PASSWORD	Password for the OIM user in connector	weblogic1	
118	WCM_OUTBOUND_USERNAME	WCM Username created in connector	weblogic	
119	WCM_OUTBOUND_PASSWORD	Password for the WCM user in connector	weblogic1	
120	OFFLINE_CHANNEL_OUTBOUND_USERNAME	Offline Username created in connector	offlineuser	
121	OFFLINE_CHANNEL_OUTBOUND_PASSWORD	Password for the Offline user in connector	welcome1	
122	SAML_ISSUER_OUTBOUND_USERNAME	SAML ISSUER Username created in connector	weblogic	
123	SAML_ISSUER_OUTBOUND_PASSWORD	Password for the SAML ISSUER user in connector	weblogic1	
124	BPEL_ENCRYPTION_OUTBOUND_USERNAME	BPEL_ENCRYPTION Username created in connector	weblogic	
125	BPEL_ENCRYPTION_OUTBOUND_PASSWORD	Password for the BPEL_ENCRYPTION user in connector	weblogic1	
126	FTP_IPM_OUTBOUND_USERNAME	FTP IPM Username created in connector	weblogic	
127	FTP_IPM_OUTBOUND_PASSWORD	Password for the FTP IPM user in connector	weblogic1	

Sr.No	Name	Description	Example Value	Value
128	FTP_BIP_OUTBOUND_USERNAME	FTP BIP Username created in connector	weblogic	
129	FTP_BIP_OUTBOUND_PASSWORD	Password for the FTP BIP user in connector	weblogic1	
130	BIP_USR_OUTBOUND_USERNAME	BIP Username created in connector	weblogic	
131	BIP_USR_OUTBOUND_PASSWORD	Password for the BIP user in connector	weblogic1	
132	SOA_PURGING_OUTBOUND_USERNAME	SOA Username created in connector	weblogic	
133	SOA_PURGING_OUTBOUND_PASSWORD	Password for the SOA user in connector	weblogic1	
134	SOA_OUTBOUND_USERNAME	SOA Username created in connector	weblogic	
135	SOA_OUTBOUND_PASSWORD	Password for the SOA user in connector	weblogic1	
136	ATMUSER_OUTBOUND_USERNAME	ATM Username created in connector	ATMUser	
137	ATMUSER_OUTBOUND_PASSWORD	Password for the ATM user in connector	welcome1	
138	POSUSER_OUTBOUND_USERNAME	POS Username created in connector	POSUser	
139	POSUSER_OUTBOUND_PASSWORD	Password for the POS user in connector	welcome1	
140	DMSHOST_OUTBOUND_USERNAME	DMS HOST Username created in connector	weblogic	
141	DMSHOST_OUTBOUND_PASSWORD	Password for the DMS HOST user in connector	weblogic1	
142	DMSUI_OUTBOUND_USERNAME	DMS UI Username created in	weblogic	

Sr.No	Name	Description	Example Value	Value
	USERNAME	connector		
143	DMSUI_OUTBOUND_PASSWORD	Password for the DMS UI user in connector	weblogic1	
144	OCH_OUTBOUND_USERNAME	OCH Username created in connector	weblogic	
145	OCH_OUTBOUND_PASSWORD	Password for the OCH user in connector	weblogic1	
146	WS_MFT_OUTBOUND_USERNAME	WS_MFT Username created in connector	weblogic	
147	WS_MFT_OUTBOUND_PASSWORD	Password for the WS_MFT user in connector	weblogic1	
148	OP_OUTBOUND_USERNAME	OP Username created in connector	weblogic	
149	OP_OUTBOUND_PASSWORD	Password for the OP user in connector	weblogic1	
150	ICS_OUTBOUND_USERNAME	Username for ICS connector	weblogic	
151	ICS_OUTBOUND_PASSWORD	Password for ICS connector	Weblogic1	
152	OBDX_OUTBOUND_USERNAME	Username for OBDX connector	1518675030085dean.white@test.com	
153	OBDX_OUTBOUND_PASSWORD	Password for OBDX connector	Welcome@1	
154	CARD_USERNAME	Username of Card connector	orakey	
155	CARD_PASSWORD	Password of Card connector	welcome1	
156	RULE_USERNAME	Username of Rule connector	orakey	
157	RULE_PASSWORD	Password of Rule connector	welcome1	
158	BAM_USERNAME	Username of BAM connector	weblogic	
159	BAM_PASSWORD	Password of BAM connector	weblogic1	

Sr.No	Name	Description	Example Value	Value
160	COMMON_OUTBOUND_USERNAME	Username for common connector	Weblogic1	
161	COMMON_OUTBOUND_PASSWORD	Password for common connector	Weblogic1	
162	PM_OUTBOUND_USERNAME	Username for PM connector	weblogic	
163	PM_OUTBOUND_PASSWORD	Password for PM connector	weblogic1	
164	LENDING_OUTBOUND_USERNAME	Username for lending connector	weblogic	
165	LENDING_OUTBOUND_PASSWORD	Password for lending connector	weblogic1	
166	DEPOSITS_OUTBOUND_USERNAME	Username for deposits connector	weblogic	
167	DEPOSITS_OUTBOUND_PASSWORD	Password for deposits connector	weblogic1	
168	FW_OUTBOUND_USERNAME	Username for FW connector	weblogic	
169	FW_OUTBOUND_PASSWORD	Password for fw connector	weblogic1	
170	COLLECTION_OUTBOUND_USERNAME	Username for collection connector	weblogic	
171	COLLECTION_OUTBOUND_PASSWORD	Password for collection Connector	weblogic1	
172	OR_OUTBOUND_USERNAME	Username for OR connector	weblogic	
173	OR_OUTBOUND_PASSWORD	Password for OR connector	weblogic1	
174	PARTY_OUTBOUND_USERNAME	Username for Party connector	weblogic	
175	PARTY_OUTBOUND_PASSWORD	Password for Party connector	weblogic1	
176	PRODPROC_	Username for	weblogic	

Sr.No	Name	Description	Example Value	Value
	OUTBOUND_USERNAME	PRODPROC connector		
177	PRODPROC_OUTBOUND_PASSWORD	Password for PRODPROC connector	weblogic1	
178	RECOVERY_OUTBOUND_USERNAME	Username for Recovery connector	weblogic	
179	RECOVERY_OUTBOUND_PASSWORD	Password for Recovery connector	weblogic1	
180	PRICING_OUTBOUND_USERNAME	Username for Pricing connector	weblogic	
181	PRICING_OUTBOUND_PASSWORD	Password for Pricing connector	weblogic1	
182	LCM_OUTBOUND_USERNAME	Username for LCM connector	weblogic	
183	LCM_OUTBOUND_PASSWORD	Password for LCM connector	weblogic1	
184	MDM_OUTBOUND_USERNAME	Username for MDM connector	weblogic	
185	MDM_OUTBOUND_PASSWORD	Password for MDM connector	weblogic1	
186	COMMUNICATIONS_OUTBOUND_USERNAME	Username for COMMUNICATIONS connector	weblogic	
187	COMMUNICATIONS_OUTBOUND_PASSWORD	Password for COMMUNICATIONS connector	weblogic1	
188	APPCAPTURE_OUTBOUND_USERNAME	Username for APPCAPTURE connector	weblogic	
189	APPCAPTURE_OUTBOUND_PASSWORD	Password for APPCAPTURE connector	weblogic1	
190	USER_TIMEZONE	Time zone entry	+5:30	
191	HOST_SSL_PASSWORD	Password for configuring SSL in HOST domain	welcome1	
192	SILENT_INSTALL	Flag for executing installer remotely	Y	

2.3 Installation Checklist

Sr.No	Name	Description	Example Value	Value
193	SECURITY_ENABLED	Flag for security enable	Y	
194	IPM_INSTALLED	Flag for if IPM is installed	Y	
195	BIP_INSTALLED	Flag for if BIP is installed	N	This value must be N.
196	LOCAL_IP	I/P address 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.	10.180.84.111	
197	LOCAL_DISPLAY_VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
198	DOMAIN_NAME	Weblogic Domain name	Host_domain or ui_domain or base_domain	
199	XD_COMPONENT_NAME	XD Component value	obpui	This will be always obpui
200	LOCALIZATION_TYPE	Type of localization	US	Depends on localization type
201	DOMAIN_DIRECTORY_LOCATION	Location where DOMAIN_NAME folder will be created	/scratch/app/product/fmw/user_projects/domains	
202	WEBLOGIC_USERNAME	Username for weblogic domain	weblogic	
203	WEBLOGIC_PASSWORD	Password for weblogic domain	weblogic1	
204	LOCAL_DATASOURCE	Username of LOCAL_DATASOURCE	PRDUI_STB	
205	OPSS_UI_SCHEMA	OPSS UI schema	PRDUI_OPSS	

Sr.No	Name	Description	Example Value	Value
	USER	name		
206	OPSS_UI_SCHEMA_PASSWORD	OPSS UI schema password	Welcome1	
207	OPSS_UI_DB_IP	OPSS UI DB IP	10.180.84.113	
208	OPSS_UI_DB_PORT	OPSS UI DB PORT	1521	
209	OPSS_UI_DB_SERVICE_NAME	OPSS UI DB SERVICE NAME	P84113A	
210	MDS_SCHEMA_USER	MDS schema name	PRDUI_MDS	
211	MDS_SCHEMA_PASSWORD	Password of MDS schema	welcome1	
212	MDS_DB_IP	MDS DB IP	10.180.84.113	
213	MDS_DB_PORT	MDS DB PORT	1521	
214	MDS_DB_SERVICE_NAME	MDS DB SERVICE NAME	P84113A	
215	OPSS_SOA_SCHEMA_USER	SOA OPSS Schema name	PRDSOA_OPSS	
216	OPSS_SOA_AUDIT_DBDS	SOA OPSS AUDIT schema name	PRDSOA_IAU_APPEND	
217	OPSS_SOA_AUDIT_VIEWDS	SOA OPSS AUDIT VIEWDB Schema name	PRDSOA_IAU_VIEWER	
218	OPSS_SOA_SCHEMA_PASSWORD	SOA OPSS password for above three OPSS schema	welcome1	
219	OPSS_SOA_DB_IP	Service name of UI OPSS DB	10.180.84.113	
220	OPSS_SOA_DB_PORT	SOA OPSS DB PORT	1521	
221	OPSS_SOA_DB_SERVICE_NAME	SOA OPSS DB SERVICE NAME	P84113A	
222	HOST_SCHEMA_USER	OBP Host Database username	OBEDM27	
223	HOST_SCHEMA_PASSWORD	OBP Host Database password	welcome1	
224	HOST_DB_IP	OBP Host	10.180.84.113	

2.3 Installation Checklist

Sr.No	Name	Description	Example Value	Value
		Database i/p address		
225	HOST_DB_PORT	OBP Host Database listen port	1521	
226	HOST_DB_SERVICE_NAME	OBP Host Database service name	P84113A	
227	ONS_NODE	i/p address of ONS service	10.180.84.113	
228	ONS_PORT	Listen port of ONS service	6250	
229	ADMIN_SERVER_LISTEN_ADDRESS	Admin server listen address	10.180.84.111	
230	ADMIN_SERVER_LISTEN_PORT	Admin server listen port	7001	
231	ADMIN_SERVER_SSL_LISTEN_PORT	Admin server SSL listen port	7002	
232	MANAGED_SERVER_LISTEN_ADDRESS	Managed server listen address	10.180.84.111	
233	MANAGED_SERVER_LISTEN_PORT	Managed server listen port	8001	
234	MANAGED_SERVER_SSL_LISTEN_PORT	Managed server SSL listen port	8002	
235	LDAP_PROVIDER	Refers to LDAP Provider . Value will be OID or OVD.	OID	
236	OID_IP	I/P address of the OID server	10.180.84.113	
237	OID_PORT	Port of the OID process instance.	3060	
238	OID_ADMIN_USER	Admin user id which can be used to login of the OID as administrator.	cn=orcladmin	
239	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
240	OID_GROUP_DSN	The DSN used for object class Groups	cn=Groups,dc=in,dc=oracle,dc=com	

Sr.No	Name	Description	Example Value	Value
		in the OID ldap.		
241	OID_USER_DSN	The DSN used for object class Users in the OID ldap.	cn=Users,dc=in,dc=oracle,dc=com	
242	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	
243	UI_IP	I/P address of the server on which the OBP presentation or UI layer should be installed.	10.180.84.111	
244	UI_CLUSTER_NAME	Name of UI Managed Cluster	obpui_cluster1	
245	UI_SERVER_NAME	Name of UI Managed Server	obpui_server1	
246	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	
247	UI_MW_HOME	Refers to the middleware home of the weblogic installation on the UI server.	/scratch/app/product/fmw	
248	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	/scratch/app/product/jdk1.8.0_101	

2.3 Installation Checklist

Sr.No	Name	Description	Example Value	Value
		the OBP security policies policy seeding utility at the end of the installation.		
249	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	
250	CENTRAL_INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oraInventory	
251	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
252	IPM_UNIX_USER	Linux login user id of IPM server	ofssobp	
253	IPM_SERVER_IP	i/p address of IPM server	10.180.84.114	
254	IPM_SERVER_PORT	Listen port of IPM server	16000	
255	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
256	BIP_SERVER_IP	i/p address of BIP server	10.180.84.115	
257	BIP_SERVER_PORT	Listen port of BIP server	9502	
258	BIP_UNIX_USER	Linux login user id of BIP server	ofssobp	
259	BIP_HOME	Oracle BIP Home directory on BIP server	/scratch/app/product/fmw/bi	
260	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	

Sr.No	Name	Description	Example Value	Value
261	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	
262	OIM_SERVER_IP	Oracle Identity Manager i/p address	oim-ofss.com	
263	OIM_SERVER_PORT	Oracle Identity Manager Listen Port	16000	
264	OFSA_SERVER_IP	OFSA Server i/p address	ofsaa-ofss.com	
265	OFSA_SERVER_PORT	OFSA Server listen port	17000	
266	UI_ADMIN_JVM_PARAMS	UI domain admin JVM startup parameters	-Xms2048m -Xmx4096m	
267	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	
268	HOST_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of HOST admin server	10.180.84.110	
269	HOST_ADMIN_SERVER_LISTEN_PORT	Listen port of HOST admin server	7001	
270	HOST_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of host managed server	10.180.84.110	

2.3 Installation Checklist

Sr.No	Name	Description	Example Value	Value
271	HOST_MANAGED_SERVER_LISTEN_PORT	Listen port of host managed server	8001	
272	SOA_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of SOA server	10.180.84.112	
273	SOA_MANAGED_SERVER_LISTEN_PORT	Listen port of SOA server	8001	
274	SOA_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of Admin SOA server	10.180.84.112	
275	SOA_ADMIN_SERVER_LISTEN_PORT	Listen port of Admin SOA server	7001	
276	KEYSTORE_PASSWORD	Password for generating certificate	welcome1	
277	UI_SSL_PASSWORD	Password for configuring SSL in UI domain	welcome1	
278	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 is recommended that we configure values for UCP_IP and UCM_PORT correctly from day 1</p>	true/false	

Sr.No	Name	Description	Example Value	Value
279	UCM_IP	UCM_IP the IP address of the UCM WebLogic managed server.	ofss.ucm.com	
280	UCM_PORT	Port of UCM.	4444	
281	OFFLINE_CHANNEL_OUTBOUND_USERNAME	Offline username created in connector	offlineuser	
282	OFFLINE_CHANNEL_OUTBOUND_PASSWORD	Password for the Offlineuser user in connector	welcome1	
283	CARD_USERNAME	Username of Card connector.	orakey	
284	CARD_PASSWORD	Password of Card connector.	welcome1	
285	RULE_USERNAME	Username of Rule connector	orakey	
286	RULE_PASSWORD	Password of Rule connector	welcome1	
287	USER_TIMEZONE	Time zone entry	+5:30	
288	REMOTE_EXECUTION	Flag for executing installer remotely	Y	
289	IPM_USERNAME	Username of IPM connector	weblogic	
290	IPM_PASSWORD	Password of IPM connector	weblogic1	
291	FTP_IPM_USERNAME	Username of FTP_IPM connector	ofssobp	
292	FTP_IPM_PASSWORD	Password of FTP_IPM connector	ofssobp123	
293	FTP_IPM_BATCH_USERNAME	Username of FTP_IPM_BATCH	ofssobp	
294	FTP_IPM_BATCH_PASSWORD	Password of FTP_IPM_BATCH	ofssobp123	
295	HOST_UNIX_USER	Linux login user id for HOST server	ofssobp	
296	HOST_MW_HOME	Refers to the middleware home of the weblogic installation on the	/scratch/app/product/fmw	

Sr.No	Name	Description	Example Value	Value
		Host server.		
297	SOA_MW_HOME	Refers to the middleware home of the weblogic installation on the SOA server.	/scratch/app/product/fmw	
298	SOA_DOMAIN_NAME	SOA Domain Name	base_domain	
299	SILENT_INSTALL	Flag for installing silent or interactive mode	y	
300	SECURITY_ENABLED	Flag for security enable	Y	
301	IPM_INSTALLED	Flag for if IPM is installed	Y	
302	BIP_INSTALLED	Flag for if BIP is installed	N	
303	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	
304	LOCAL_DISPLAY_VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
305	DOMAIN_NAME	Name of the weblogic domain to be created	Host_domain or ui_domain or base_domain	
306	XD_COMPONENT_NAME	XD Component value	obpsoa	This will be always obpsoa
307	LOCALIZATION_TYPE	Type of localization	US	Depends on localization type
308	DOMAIN_DIRECTORY	Location where DOMAIN_NAME	/scratch/app/product/fmw/user_projects/domains	

Sr.No	Name	Description	Example Value	Value
	LOCATION	folder will be created		
309	WEBLOGIC_USERNAME	Username for weblogic domain	weblogic	
310	WEBLOGIC_PASSWORD	Password for weblogic domain	weblogic1	
311	MDS_SCHEMA_USER	MDS schema user for SOA domain	SOA27_MDS	
312	SOA_INFRASTRUCTURE_SCHEMA_USER	SOA infrastructure schema user for SOA domain	SOA27_SOAINFRA	
313	LOCAL_DATASOURCE	Local schema user for SOA domain	SOA27_STB	
314	UMS_DATASOURCE	UMS schema user for SOA domain	SOA27_UMS	
315	DB_SCHEMA_PASSWORD	Password for MDS schema user	welcome1	
316	DB_IP	i/p address of MDS db machine	10.180.84.113	
317	DB_PORT	Port of MDS db port	1521	
318	DB_SERVICE_NAME	Service Name of MDS user	P84113A	
319	HOST_SCHEMA_USER	OBP Host Database username	OBEDM27	
320	HOST_SCHEMA_PASSWORD	OBP Host Database password	welcome1	
321	HOST_DB_IP	OBP Host Database i/p address	10.180.84.113	
322	HOST_DB_PORT	OBP Host Database port	1521	
323	HOST_DB_SERVICE_NAME	OBP Host Database service name	P84113A	
324	ONS_NODE	i/p address of ONS service	10.180.84.113	
325	ONS_PORT	Port of ONS service	6250	
326	OPSS_SOA_	SOA OPSS	SOA27_OPSS	

2.3 Installation Checklist

Sr.No	Name	Description	Example Value	Value
	SCHEMA_USER	Schema Name		
327	OPSS_SOA_AUDIT_DBDS	SOA OPSS AUDIT Schema name	SOA27_IAU_APPEND	
328	OPSS_SOA_AUDIT_VIEWDS	SOA OPSS AUDIT VIEWDS Schema name	SOA27_IAU_VIEWER	
329	OPSS_SOA_SCHEMA_PASSWORD	Password of OPSS_SOA_SCHEMA_USER	welcome1	
330	OPSS_SOA_DB_IP	i/p address of SOA OPSS DB.	10.180.84.113	
331	OPSS_SOA_DB_PORT	Port of SOA OPSS DB.	1521	
332	OPSS_SOA_DB_SERVICE_NAME	Service name of SOA OPSS DB.	P84113A	
333	ADMIN_SERVER_LISTEN_ADDRESS	Admin server listen address	10.180.84.112	
334	ADMIN_SERVER_LISTEN_PORT	Admin server listen port	7001	
335	ADMIN_SERVER_SSL_LISTEN_PORT	Admin server SSL listen address	7002	
336	SOA_SERVER_LISTEN_ADDRESS	Listen address of SOA server	10.180.84.112	
337	SOA_SERVER_LISTEN_PORT	Listen port of SOA server	8001	
338	SOA_SERVER_SSL_LISTEN_PORT	SSL Listen port of SOA server	8002	
339	HUMANTASK_SERVER_LISTEN_ADDRESS	Listen address of humantask server	10.180.84.112	
340	HUMANTASK_SERVER_LISTEN_PORT	Listen port of humantask server	9001	
341	HUMANTASK_SERVER_SSL_LISTEN_PORT	SSL listen port of humantask server	9002	
342	BAM_SERVER_LISTEN_ADDRESS	Listen address of BAM server	10.180.84.112	
343	BAM_SERVER_LISTEN_PORT	Listen port of BAM server	9003	
344	BAM_SERVER_SSL_LISTEN_PORT	SSL Listen port of	9004	

Sr.No	Name	Description	Example Value	Value
	LISTEN_PORT	BAM server		
345	HOST_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of HOST admin server	10.180.84.110	
346	HOST_ADMIN_SERVER_LISTEN_PORT	Listen port of HOST admin server	7001	
347	HOST_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of host managed server	10.180.84.110	
348	HOST_MANAGED_SERVER_LISTEN_PORT	Listen port of host managed server	8001	
349	LDAP_PROVIDER	Refers to LDAP Provider .Value will be OID or OVD.	OID	
350	OID_IP	I/P address of the OID server.	10.180.84.113	
351	OID_PORT	Port of the OID process instance.	389	
352	OID_ADMIN_USER	Admin user id which can be used to login of the OID as administrator.	cn	
353	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
354	OID_GROUP_DSN	The DSN used for object class Groups in the OID Idap.	cn=Groups,dc=in,dc=oracle,dc=com	
355	OID_USER_DSN	The DSN used for object class Users in the OID Idap.	cn=Users,dc=in,dc=oracle,dc=com	
356	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	

2.3 Installation Checklist

Sr.No	Name	Description	Example Value	Value
357	SOA_IP	i/p address of SOA server	10.180.84.112	
358	SOA_CLUSTER_NAME	Cluster name of SOA server	obpsoa_cluster1	
359	SOA_SERVER_NAME	Server name of SOA server	soa_server1	
360	HUMAN_TASK_CLUSTER_NAME	Cluster name of Humantask server	obphumantask_cluster1	
361	HUMAN_TASK_SERVER_NAME	Server name of Humantask server	obphumantask_server1	
362	SOA_TARGET	Target folder of SOA machine where files will be copied temporarily during installation	/scratch/install/target	
363	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 policies policy seeding utility at the end of the installation.	/scratch/app/product/jdk1.8.0_101	
364	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	
365	CENTRAL_INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oralInventory/	
366	SOA_MW_HOME	Refers to the middleware home of the weblogic installation on the SOA server.	/scratch/app/product/fmw	
367	UI_IP	i/p address of UI server	10.180.84.111	
368	UI_UNIX_USER	Linux login user id	ofssobp	

Sr.No	Name	Description	Example Value	Value
		for UI server		
369	UI_DOMAIN_HOME	Full path of UI domain	/scratch/app/ product/fmw/ user_projects/ domains /ui_domain	
370	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
371	SOA_ADMIN_JVM_PARAMS	SOA domain admin JVM startup parameters	-Xms1024m -Xmx2048m	
372	SOA_HUMANTASKSERVER_JVM_PARAMS	SOA domain human task server's JVM startup parameters	-Djbo.ampool. doampooling=false -Xms 12g -Xmx12g -XX:NewSize=512m -XX:MaxNewSize=2048m -XX: +UseParNewGC -XX:+ CMSParallel RemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Dobp.http. maxRetryCount=1 -Dobp.http. .socketBufferSize=81	
373	SOA_MANAGED_JVM_PARAMS	SOA domain managed soa server's JVM startup parameters	-XX:NewSize=2048m -XX:MaxNewSize=4096m -XX:+UseParNewGC -XX: +CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Xms11g -Xmx11g	
374	KEYSTORE_PASSWORD	Password for generating certificate	welcome1	
375	UI_MANAGED_SERVER_LISTEN_	i/p address of UI Managed server	10.180.84.111	

2.3 Installation Checklist

Sr.No	Name	Description	Example Value	Value
	ADDRESS			
376	UI_MANAGED_SERVER_LISTEN_PORT	Listen port of UI Managed server	8001	
377	UI_ADMIN_SERVER_LISTEN_ADDRESS	i/p address of UI Admin server	10.180.84.111	
378	UI_ADMIN_SERVER_LISTEN_PORT	Listen port of UI Admin server	7001	
379	DEFAULT_BANK_CODE	Default bank code will be set while configuring SOA domain	8	
380	DEFAULT_TRANSACTION_BRANCH_CODE	Default branch code will be set while configuring SOA domain	89999	
381	DEFAULT_TARGET_UNIT	Default target unit will be set while configuring SOA domain	OBP_BU	
382	CARD_USERNAME	Username of Card connector.	orakey	
383	CARD_PASSWORD	Password of Card connector	welcome1	
384	RULE_USERNAME	Username of Rule connector	orakey	
385	RULE_PASSWORD	Password of Rule connector	welcome1	
386	USER_TIMEZONE	Time zone entry	+5:30	
387	SOA_SSL_PASSWORD	Password for configuring SSL in SOA domain	welcome1	
388	REMOTE_EXECUTION	Flag for executing installer remotely	Y	
389	BAM_INSTALLATION	During SOA installation value should be 'N' During BAM installation value should be Y.	N	
390	IPM_USERNAME	Username of IPM connector	ofssobp	

Sr.No	Name	Description	Example Value	Value
391	IPM_PASSWORD	Password of IPM connector	welcome1	
392	OFFLINE_CHANNEL_OUTBOUND_USERNAME	Username of offline connector	offlineuser	
393	OFFLINE_CHANNEL_OUTBOUND_PASSWORD	Password of offline connector	welcome1	
394	FTP_IPM_USERNAME	Username of FTP_IPM connector	ofssobp	
395	FTP_IPM_PASSWORD	Password of FTP_IPM connector	ofssobp123	
396	FTP_IPM_BATCH_USERNAME	Username of FTP_IPM_BATCH connector	ofssobp	
397	FTP_IPM_BATCH_PASSWORD	Password of FTP_IPM_BATCH connector	ofssobp123	
398	SOA_OUTBOUND_USERNAME	Username of SOA connector	weblogic	
399	SOA_OUTBOUND_PASSWORD	Password of SOA connector	weblogic1	
400	IPM_SERVER_IP	i/p address of IPM server	10.180.84.114	
401	IPM_UNIX_USER	Linux login user id for IPM server	ofssobp	
402	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
403	BIP_SERVER_IP	I/P of the BIP server to host OBP reports	10.180.84.115	
404	BIP_SERVER_PORT	Port of the BIP server that hosts OBP reports	9502	
405	BIP_UNIX_USER	Linux login user id for BIP server	ofssobp	
406	BIP_HOME	Oracle BIP Home directory on BIP server	/scratch/app/product/fmw/bi	

2.3.2 Database and WebLogic Domain Configuration

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

Table 2–5 Oracle Banking Enterprise Default Management DB and WebLogic Domain Configuration

Sr. No.	Name	Description and Example	Value
UI and Host Linux user login details			
1.	UI / Presentation Linux server user id	This is same as INSTALL_AS 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 OBEDM Oracle DB server	10.180.90.30	
6.	Port of the OBEDM Oracle DB instance	1521	
7.	OBEDM DB Service Name	OBEDMDB	
8.	OBEDM DB sys password	*****	
9.	ONS NODE	10.180.90.30, Make sure ons service is started on DB.	
10.	ONS Port	6250	
Additional UI Install Checklist			
11.	Admin user id and password for the OBEDM 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 OBEDM 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	Decide on the password to be used and note it. This is required for the	

Sr. No.	Name	Description and Example	Value
	trust between the OBEDM UI and Host.	post installation tasks of UI domain.	
14.	Password for keystore generated to establish trust.	Decide on the password to be used 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 OBEDM 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 OBEDM 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 OBEDM 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.	

2.4 OID Schema Setup – Custom OBEDM Schema

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

2.4.1 Prerequisite – OID setup

It is assumed that OID 12.2.1.3.0 is installed with ODSM and configured. We can thereafter proceed to the next step of setting up the OBEDM policy store. OID works better when installed on OEL. See [Section 2.1.2 Software Environment](#) for version information of the software products.

2.4.2 Verify the OID installation

This section describes the procedure to verify the OID installation.

2.4.2.1 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

```
/scratch/app/product/fmw/user_projects/domains/oid_domain/bin
```

```
cd /scratch/app/product/fmw/user_projects/domains/oid_
domain/bin./startComponent.sh oid1
```

To start the OID, use startComponent script and pass the component name as a parameter. Before starting OID, make sure Admin Server and NodeManager are up and running.

2.4.2.2 OPSS/OID Performance Tuning

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

Parameters

Change the parameter values as provided below.

Table 2–6 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=oslddap,cn=subconfigsentry

changetype: modify

replace: orclgeneratechangelog

orclgeneratechangelog: 0

dn: cn=oid1,cn=oslddap,cn=subconfigsentry

changetype: modify

replace: orclldapconntimeout

orclldapconntimeout: 60

dn: cn=oid1,cn=oslddap,cn=subconfigsentry

changetype: modify

replace: orclmatchdenabled

orclmatchdenabled: 0

3. See the OID Tuning Guide available at:

<https://docs.oracle.com/en/middleware/lifecycle/12.2.1.3/asper/oracle-internet-directory-performance-tuning.html#GUID-254611A2-0B71-4FBE-90D1-4D13A41B5F47>

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 2–7 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;

Sr. No.	DB Property Name	Suggested Value for Tuning	Alter Command
			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;
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 OBEDM-UI, OBEDM-Host, OBEDM-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.type" value="STATIC"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.strategy" value="NONE"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.size" value="100"/>
<property
name="oracle.security.jps.policystore.policy.lazy.load.enable" value="true"/>
<property
name="oracle.security.jps.policystore.policy.cache.strategy" 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 2–8 Properties

Property	Description
-Djps.combiner.optimize=true	This system property is used to cache the protection domains for a given subject. Setting - Djps.combiner.optimize=true 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 - Djps.combiner.optimize.lazyeval=true 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 AccessController.checkPermission which can reduce the performance impact at run time or while debugging.
DUSE_JAAS=false	
Djps.auth=ACC	Delegates the call to JDK API AccessController.checkPermission 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

Property	Description
	<p>to JpsSubject which contains user/enterprise-role information, as well as ApplicationRole information. This information is represented as principals in the subject.</p> <p>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 WLSUserImpl type).</p> <p>This setting will accelerate the cache retrieval operation if the subject has a large principal set.</p>
Djps.subject.cache.ttl=600000	<p>Cache's Time To Live (TTL) for case '5' (above). This system property controls how long the cache is valid. 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

```

2.4.2.3 Import OBEDM Specific LDIF files

If Oracle Identity Manager (OIM) 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 OBEDM.

If OIM is not part of the ecosystem and an initial sanity test of the OBEDM 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:

- fcPerson.ldif
 - obp_ou.ldif
 - jpsroot.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 2–9 Order of Execution

Sr. No.	LDIF File Name	Description
1	fcPerson	Creates fcPerson object class
2	obp_ou	Creates obp user Users
3	Jpsroot	Creates jpsroot and jpscontext
4	Users	Creates OFSSUser
5	Groups	Creates OFSS_Role and offlinerole
6	Weblogic	Creates weblogic user
7	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 fcPerson.ldif

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

ldapadd obp_ou.ldif

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

ldapadd jpsroot.ldif

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

ldapadd Users.ldif

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

ldapadd Groups.ldif

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

ldapadd WebLogic.ldif

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

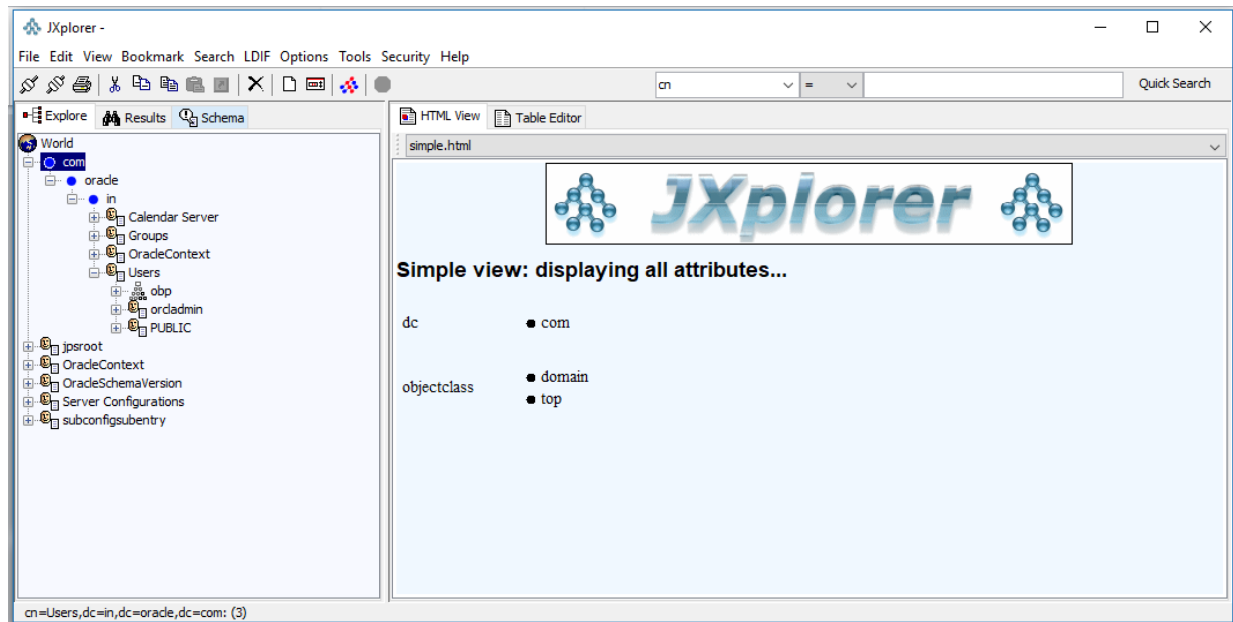
ldapadd Administrators.ldif

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

2.4.2.4 Verify the import using ODSM or JXplorer

The import of Oracle Banking Enterprise Default Management specific LDIF files can be verified using JXplorer.

Figure 2–2 JXplorer



3 OBEDM US Localization SOA Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Enterprise Default Management US Localization SOA (Integration Server) Media pack. The subsequent section refers to the variable names specified in [Section 2.3 Installation Checklist](#).

3.1 Installation and Configuration Procedure

This section details the installation procedure for the OBEDM US Localization SOA Media Pack.

3.1.1 Preparatory Steps

This section lists the preparatory steps required for the OBEDM US Localization 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 'obpus-ui-soa.zip' to a local Linux VM or Linux machine from where the installation will be carried out. Extract the 'obpus-ui-soa.zip'. Three files will be extracted:

- A zip file 'obpinstall-ui-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 2.3 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.

3.1.2 Pre-Installation Steps

This section lists the pre-installation steps required for the OBEDM US Localization SOA Media Pack installation.

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.

Step 2 Checklist for a new setup

Before initiating installation, check the following:

- Make sure required RCU schemas have been created. For more information, see [Section 6.1 Pre-Installation Steps](#) and [Section 6.2 OBEDM Database Setup – RCU Installation](#).
- Increase the size of tablespace (at least 4GB 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

OBEDM 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.

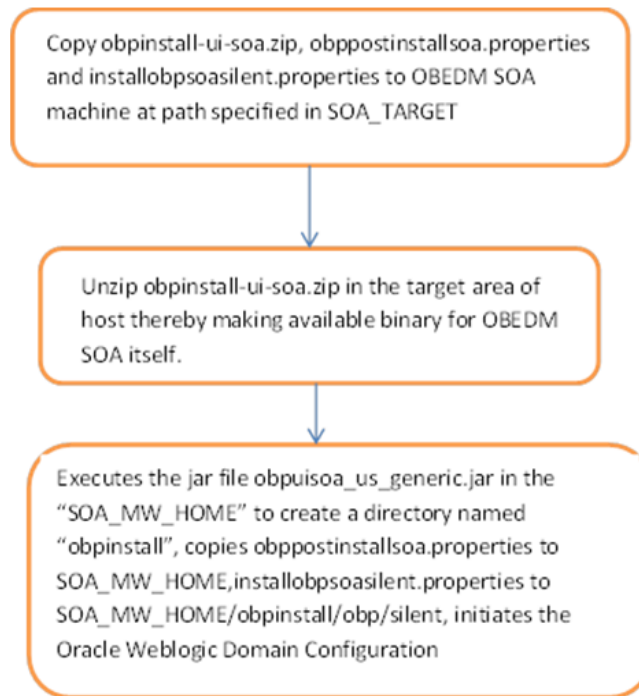
For more information, see Page 12 of the following document:

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

3.1.3 Installation Steps

This section lists the installation steps required for the OBEDM US Localization 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 3–1 Steps in `installobpsoa.sh` script

A sample output is given here.

```
./installobpsoa.sh
```

Figure 3–2 Verification of Properties

```

[ofsobp@mum00as1 obpus-ui-soa] $ ./installobpsoa.sh
The present working directory is /scratch/install/obpus-ui-soa. It is assumed that all installables are present in this directory.
Printing the information entered above
SILENT_INSTALL                : y
KD_COMPONENT_NAME             : obpsoa
LOCALIZATION_TYPE             : us
LOCAL_IP                      : 10.180.86.238
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               : OBEDMSOA_MDS
SOA_INFRASTRUCTURE_SCHEMA_USER : OBEDMSOA_SOAINFRA
DB_SCHEMA_PASSWORD            : welcome1
DB_IP                          : mum00bhw.in.oracle.com
DB_PORT                       : 1521
DB_SERVICE_NAME               : P3523A
HOST_SCHEMA_USER               : OBEDMUS210
HOST_SCHEMA_PASSWORD          : welcome1
HOST_DB_IP                    : mum00bhw.in.oracle.com
HOST_DB_PORT                   : 1521
HOST_DB_SERVICE_NAME          : P3523A
ADMIN_SERVER_LISTEN_ADDRESS    : 10.180.86.238
ADMIN_SERVER_LISTEN_PORT      : 7001
ADMIN_SERVER_SSL_LISTEN_PORT   : 7002
SOA_SERVER_LISTEN_ADDRESS     : 10.180.86.238
SOA_SERVER_LISTEN_PORT        : 8001
SOA_SERVER_SSL_LISTEN_PORT     : 8002
HUMANTASK_SERVER_LISTEN_ADDRESS : 10.180.86.238
HUMANTASK_SERVER_LISTEN_PORT  : 9001
HUMANTASK_SERVER_SSL_LISTEN_PORT : 9002
BAM_SERVER_LISTEN_ADDRESS     : 10.180.86.238
BAM_SERVER_LISTEN_PORT        : 9003
BAM_SERVER_SSL_LISTEN_PORT     : 9004
HOST_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.34.122
HOST_MANAGED_SERVER_LISTEN_PORT  : 8001
LDAP_PROVIDER                  : OID
  
```


Figure 3–3 Verification of Properties

```

OID_IP : 10.100.07.04
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 : 10.100.07.04
OPSS_SOA_DB_PORT : 1521
OPSS_SOA_DB_SERVICE_NAME : P8784A
MODE_MGR_PORT : 5556
SOA_IP : 10.100.05.159
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
OUT_JAVA_HOME : /scratch/app/product/jdk1.8.0_101
CENTRAL_INVENTORY_LOC : /scratch/app/orainventory/
SOA_MM_HOME : /scratch/app/product/fmw
UI_IP : 10.100.05.190
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
bp.http.maxConnectionsPerHost=20 -Dobp.http.expireAndRetry=true -Dobp.http.maxConnectionsPerHost=150 -Dobp.http.connectionTimeout=600000 -Dobp.http.i
nterfacePollInterval=10000 -Dobp.http.staleCheckEnabled=true
KEYSTORE_PASSWORD : welcome1
UI_MANAGED_SERVER_LISTEN_ADDRESS : 10.100.05.196
UI_MANAGED_SERVER_LISTEN_PORT : 8001
DEFAULT_BANK_CODE : 08
DEFAULT_TRANSACTION_BRANCH_CODE : 089999

```

Figure 3–4 Confirmation to Proceed Domain Installation (cont.)

```

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
SOA_SSL_PASSWORD : welcome1
REMOTE_EXECUTION : Y
BAM_INSTALLATION : N
IPM_USERNAME : weblogic
IPM_PASSWORD : weblogic1
FTD_IPM_USERNAME : ofssobp
FTD_IPM_PASSWORD : ofssobp123
FTD_IPM_BATCH_USERNAME : ofssobp
FTD_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 3–5 Copying and Extraction of `obpinstall-ui-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 '10.180.85.159 (10.180.85.159)' can't be established.
ECDSA key fingerprint is dc:11:29:24:4c:e0:17:08:45:ad:6b:b0:bd:ac:1b:4a.
Are you sure you want to continue connecting [yes/no]? yes
Warning: Permanently added '10.180.85.159' (ECDSA) to the list of known hosts.
ofssobp@10.180.85.159's password:
obpinstall-soa.zip                                100% 357MB 178.6MB/s 00:02
installobpsoasilent.properties                  100% 1551 1.5KB/s 00:00
The configuration of OBP SOA domain shall begin immediately thereafter.
ofssobp@10.180.85.159'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/PyYAML-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 3–6 Copying and Extraction of `obpinstall-ui-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 2.0.2.0.0
  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.
..... 44%
..... 47%
..... 52%
..... 53%
..... 56%
..... 60%
..... 63%

```

Figure 3–7 Copying and Extraction of obpininstall-ui-soa.zip

```

..... 63%
..... 66%
..... 70%
..... 73%
..... 76%
..... 80%
..... 83%
..... 85%
..... 90%
..... 93%
..... 95%
..... 99%

..... 23% Done.
..... 46% Done.
..... 70% Done.

Installation in progress (Thursday, May 3, 2018 2:50:53 PM IST)
Install successful
Linking in progress (Thursday, May 3, 2018 2:50:53 PM IST)
Link successful
Setup in progress (Thursday, May 3, 2018 2:50:53 PM IST)
Setup successful
Saving inventory (Thursday, May 3, 2018 2:50:53 PM IST)
Saving inventory complete
Configuration complete

End of install phases.(Thursday, May 3, 2018 2:50:53 PM IST)
Logs successfully copied to /scratch/app/orainventory/logs.
Initializing WebLogic Scripting Tool (WLST) ...

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 WLST may not return a prompt right away.

```

Figure 3–8 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 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...
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/obphumantask_server1
Update JRF changes to domain /scratch/app/product/fmw/user_projects/domains/base_domain in offline mode
Domain created successfully
[ofsobp@mum00abp soa]

```

3.2 Post Installation Configuration

This section describes the post installation configuration procedure for OBEDM US Localization SOA Media Pack.

Checklist for Post Installation Procedure

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

- Replace /scratch/app/product/fmw path with your middleware home path in setDomainEnv.sh and setStartupEnv.sh, if not replaced.
- 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 OBEDM 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.

4. 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.
5. 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 3–9 Starting Post Installation

```

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.
ofsobp@10.180.6.143's password:
libnapi_v3.jar                               100% 904KB 904.4KB/s  00:00
libnapi_v3.jar copied from BIP machine
ofsobp@10.180.6.143's password:
xdocore.jar                                  100% 9060KB  8.9MB/s  00:00
xdocore.jar copied from BIP machine
ofsobp@10.180.6.143's password:
versioninfo.jar                              100% 6204KB  6.1MB/s  00:00
versioninfo.jar copied from BIP machine
ofsobp@10.180.6.143's password:
imaging-client.jar                           100% 863KB 863.3KB/s  00:00
imaging-client.jar copied from IPM machine
ofsobp@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/oc1920_8
:
*****
** End SOA specific environment setup
*****
Logging WLS stderr to /scratch/app/product/fmw/user_projects/domains/base_domain/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 3–10 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/o
b.soa.process/metadata/metadata
  [unjar] Expanding: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar into /scratch/app/product/fmw/obpi
ninstall/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
SB
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=((itemN
ame=maxMessageRaiseSize,itemType=javax.management.openbean.SimpleType(name=java.lang.Integer)),(itemName=startWindowTime,itemType=javax.management.openbe
an.SimpleType(name=java.lang.String)),(itemName=stopWindowTime,itemType=javax.management.openbean.SimpleType(name=java.lang.String)),(itemName=subseq
uentTriggerDelay,itemType=javax.management.openbean.SimpleType(name=java.lang.Long)),(itemName=thresholdTimeInMinutes,itemType=javax.management.open
bean.SimpleType(name=java.lang.Integer))),contents={maxMessageRaiseSize=0,startWindowTime=00:00,stopWindowTime=23:59,subsequentTriggerDelay=300,
thresholdTimeInMinutes=10})
null
null
javax.management.openbean.CompositeDataSupport(compositeType=javax.management.openbean.CompositeType(name=RecoveryConfig,items=((itemName=ClusterCon
fig,itemType=javax.management.openbean.CompositeType(name=ClusterConfig,items=((itemName=clusterRefresh,itemType=javax.management.openbean.Sim
pleType(name=java.lang.Long)),(itemName=heartbeatInterval,itemType=javax.management.openbean.SimpleType(name=java.lang.Long)),(itemName=masterAliveThr
eshold,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=RecurringScheduleC
onfig,itemType=javax.management.openbean.CompositeType(name=RecurringScheduleConfig,items=((itemName=maxMessageRaiseSize,itemType=javax.management.op
enbean.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.open
bean.SimpleType(name=java.lang.Long)),(itemName=thresholdTimeInMinutes,itemType=javax.management.openbean.SimpleType(name=java.lang.Integer))),{i
temName=StartupScheduleConfig,itemType=javax.management.openbean.CompositeType(name=StartupScheduleConfig,items=((itemName=maxMessageRaiseSize,itemTy

```

Figure 3–11 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_SettlementPayoutSp
i_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 ~]$

```

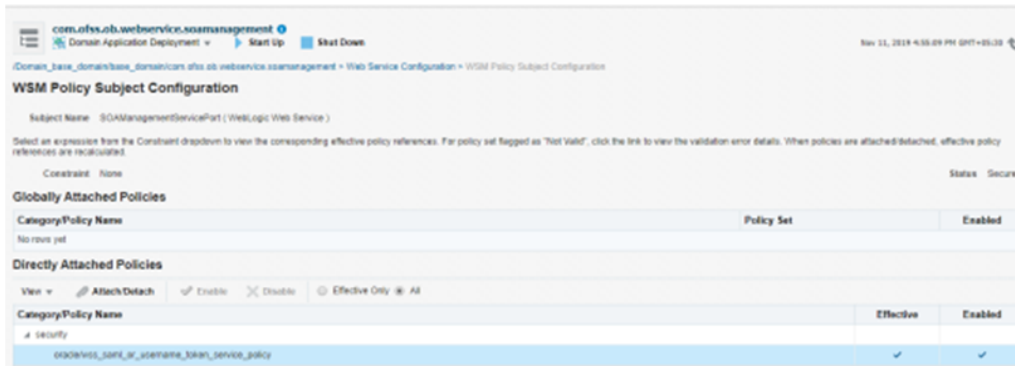
6. For monitoring the script run, check the following log files created under the SOA domain directory:
 - deploy-composite-SOA-WLST.log
 - post-obp-SOA-WLST.log
 - post-soa-GrantAndPolicySet-log.log
 - post-soa-taskflow-grants.log
 - update-syncMaxTimeWait.log
 - obp-soa-install-log.txt
7. Restart SOA admin and SOA managed server and obphumantask server.
8. After completion of restart, attach the oracle/wss_saml_or_username_token_service_policy in com.ofss.ob.webservice.soamanagement.war. To attach the policy, perform the following steps:
 - a. Login to SOA EM.
 - b. Click Application Deployments > com.ofss.ob.webservice.soamanagement > Domain Application Deployment > Administration > Web Services Configuration.

Figure 3–12 Go to Web Services Configuration



- c. Click Resource Pattern and attach the policy oracle/wss_saml_or_username_token_service_policy for com.ofss.ob.webservice.soamanagement webservice.

Figure 3–13 Attach Policy



4 OBEDM US Localization Host Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Enterprise Default Management US Localization Host Media pack. The subsequent section refers to the variable names specified in [Section 2.3 Installation Checklist](#).

4.1 Installation and Configuration Procedure

This section details the installation procedure for the OBEDM US Localization Host Media Pack.

4.1.1 Preparatory Steps

This section lists the preparatory steps required for the OBEDM US Localization 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 'obpus-host.zip' to a local Linux VM or Linux machine from where the installation will be carried out. Extract the 'obpus-host.zip'. Below 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 1 Monitoring Servers Using Oracle Enterprise Manager](#)).

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in [Section 2.3 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 OBEDM US Localization Host Media Pack installation.

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 6.1 Pre-Installation Steps](#) and [Section 6.2 OBEDM 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.

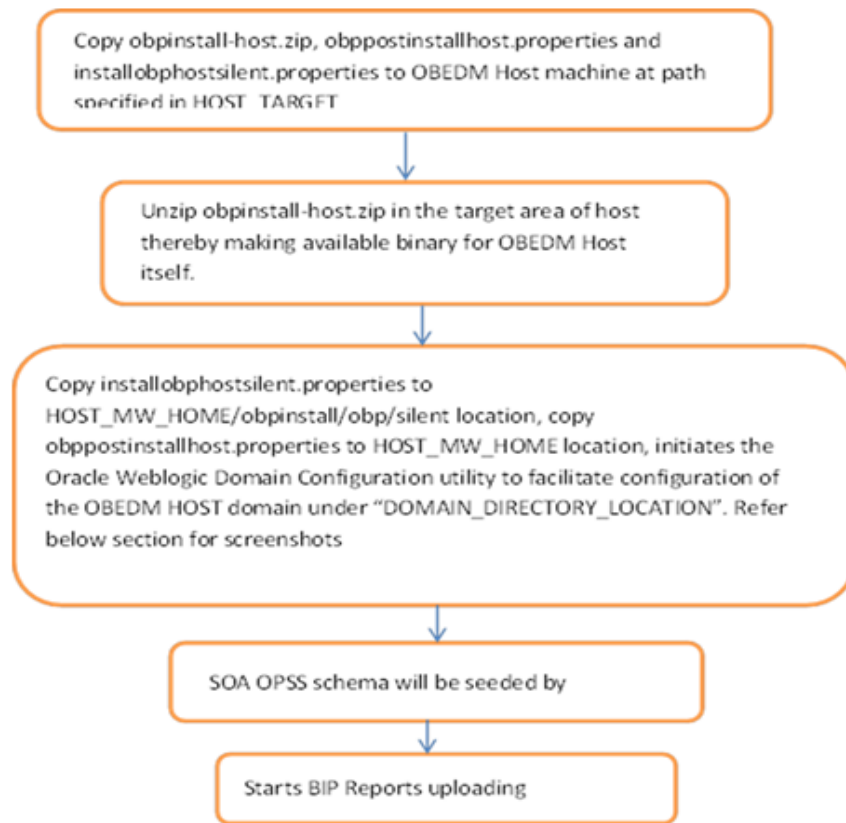
For example, if HOST_DB_SCHEMA_PREFIX is DEV, then OBP_HOST_DB_USER should be DEV_OBP.

- 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.
- 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.

4.1.3 Installation Steps

This section lists the installation steps required for the OBEDM US Localization 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 installobphost.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 4–1 Steps in installobphost.sh script

A sample output is given here.

Figure 4–2 Verification of Properties

```

[ofssobp@mum00asl obpus-ui-soa]$ ./installobpsoa.sh
The present working directory is /scratch/install/obpus-ui-soa. It is assumed that all installables are present in this directory.
Printing the information entered above
SILENT_INSTALL                : y
KD_COMPONENT_NAME             : obpsoa
LOCALIZATION_TYPE             : us
LOCAL_IP                       : 10.180.86.238
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               : OBEDMSOA_MDS
SOA_INFRASTRUCTURE_SCHEMA_USER : OBEDMSOA_SOAINFRA
DB_SCHEMA_PASSWORD            : welcome1
DB_IP                          : mum00bhw.in.oracle.com
DB_PORT                        : 1521
DB_SERVICE_NAME               : P3523A
HOST_SCHEMA_USER              : OBEDMJS210
HOST_SCHEMA_PASSWORD          : welcome1
HOST_DB_IP                     : mum00bhw.in.oracle.com
HOST_DB_PORT                   : 1521
HOST_DB_SERVICE_NAME          : P3523A
ADMIN_SERVER_LISTEN_ADDRESS    : 10.180.86.238
ADMIN_SERVER_LISTEN_PORT      : 7001
ADMIN_SERVER_SSL_LISTEN_PORT  : 7002
SOA_SERVER_LISTEN_ADDRESS     : 10.180.86.238
SOA_SERVER_LISTEN_PORT       : 8001
SOA_SERVER_SSL_LISTEN_PORT    : 8002
HUMANTASK_SERVER_LISTEN_ADDRESS : 10.180.86.238
HUMANTASK_SERVER_LISTEN_PORT  : 9001
HUMANTASK_SERVER_SSL_LISTEN_PORT : 9002
BAM_SERVER_LISTEN_ADDRESS     : 10.180.86.238
BAM_SERVER_LISTEN_PORT       : 9003
BAM_SERVER_SSL_LISTEN_PORT    : 9004
HOST_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.34.122
HOST_MANAGED_SERVER_LISTEN_PORT  : 8001
LDAP_PROVIDER                  : OID

```

Figure 4–3 Verification of Properties (contd)

```

SOA_ORACLE_HOME                : soa
SOA_IP                          : 10.180.85.159
SOA_UNIX_USER                  : ofssobp
SOA_MM_HOME                    : /scratch/app/product/fmw
SOA_WEBLOGIC_USERNAME          : weblogic
SOA_WEBLOGIC_PASSWORD          : weblogic1
SOA_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.159
SOA_MANAGED_SERVER_LISTEN_PORT  : 8001
SOA_ADMIN_SERVER_LISTEN_PORT   : 7001
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_SERVER_IP                  : 10.180.6.143
BIP_SERVER_PORT                : 9502
BIP_UNIX_USER                  : ofssobp
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                  : ofssobp
IPM_HOME                       : /scratch/app/product/fmw_ipm/Oracle_ECM1
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
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 4–4 Verification of Properties (contd)

```

OBP_HOST_DB_IP           : 10.180.87.04
OBP_HOST_DB_PORT        : 1521
OBP_HOST_DB_SERVICE_NAME : P8704A
DMS_HOST_DB_USER        : PRDHOST_MDS
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:+UseConcMarkSweepGC -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_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

```

Figure 4–5 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 4–6 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/JPyaml-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 4–7 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 4–8 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 4–9 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 4–10 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 4–11 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 4–12 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
jmspaysmentmodule-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 4–13 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 4–14 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=120
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 taken=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 taken=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 taken=1063

```

4.2 Post Installation Configuration

This section describes the post installation configuration procedure for OBEDM 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 creating and seeding has been done.

For more information, see [Section 6.3.3 HOST DB Schema Seeding](#) and [Section 6.3.4 System Configuration DB Update Script Execution](#).

- 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
```

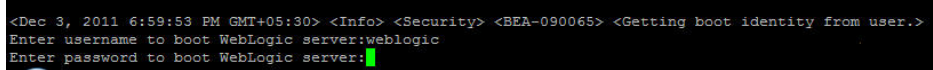
Post Installation Configuration

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 4–15 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 OBEDM config properties to point to the appropriate integration server
 - 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
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 4–16 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 4–17 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        : ofsaa-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 4–18 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 4–19 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

```



```
<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 10.2 Host Domain Verification](#).

5 OBEDM US Localization Presentation Media Pack Installation

This chapter details every step involved in the installation of OBEDM US Localization Presentation (UI) Media pack. The subsequent section refers to the variable names specified in [Section 2.3 Installation Checklist](#).

5.1 Installation and Configuration Procedure

This section details the installation procedure for the OBEDM US Localization Presentation Media Pack.

5.1.1 Preparatory Steps

This section lists the preparatory steps required for the OBEDM US Localization 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 'obpus-ui-soa.zip' to a local Linux VM or Linux machine from where the installation will be carried out. Extract the 'obpus-ui-soa.zip' file. Three files will be extracted:

- A zip file 'obpinstall-ui-soa.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 2.3 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 OBEDM US Localization 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-soa.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

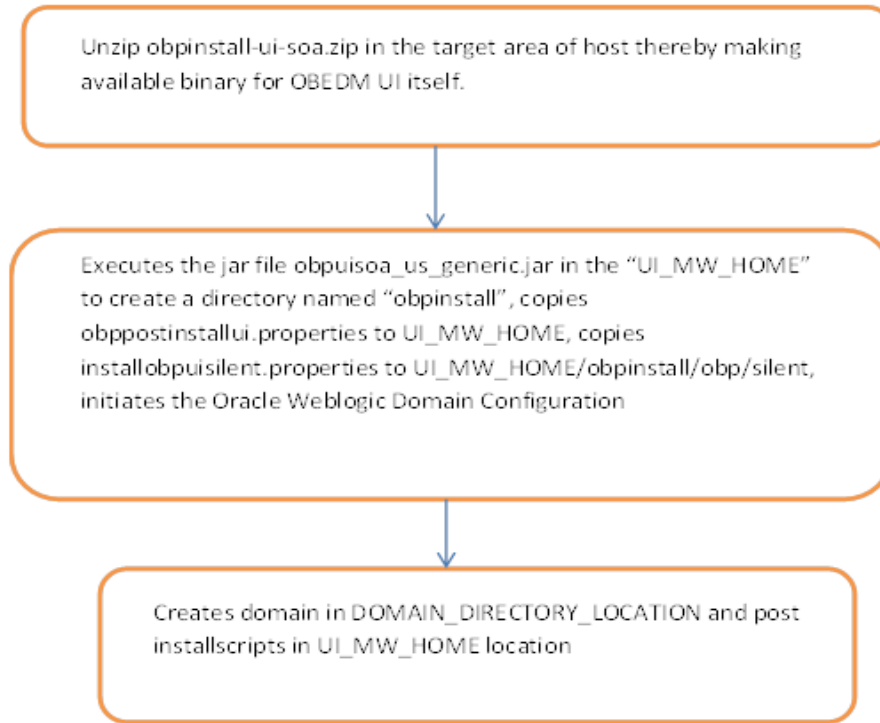
Before initiating installation on a completely new setup, check the following:

- Make sure required RCU schemas have been created. For more information, see [Section 6.1 Pre-Installation Steps](#) and [Section 6.2 OBEDM 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.

5.1.3 Installation Steps

This section lists the installation steps required for the OBEDM US Localization 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 5–1 Steps in *installobpui.sh* script

A sample output is given here.

Figure 5–2 Confirmation to Proceed Domain Installation

```
[ofssobp@mum00bhw obpus-ui-soa]$ ./installobpui.sh
The present working directory is /scratch/install/obpus-ui-soa. It is assumed that all installables are present in this directory.
Printing the installation details:-
SILENT_INSTALL                : y
XD_COMPONENT_NAME             : obpui
LOCALIZATION_TYPE             : us
LOCAL_IP                       : 10.180.35.12
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               : OBEDMUI_MDS
MDS_SCHEMA_PASSWORD           : welcome1
MDS_DB_IP                     : mum00bhw.in.oracle.com
MDS_DB_PORT                   : 1521
MDS_DB_SERVICE_NAME           : P3523A
HOST_SCHEMA_USER              : OBEDMUS210
HOST_SCHEMA_PASSWORD          : welcome1
HOST_DB_IP                    : mum00bhw.in.oracle.com
HOST_DB_PORT                  : 1521
HOST_DB_SERVICE_NAME          : P3523A
OPSS_SOA_SCHEMA_USER          : OBEDMSOA_OPSS
OPSS_SOA_SCHEMA_PASSWORD      : welcome1
OPSS_SOA_DB_IP               : mum00bhw.in.oracle.com
OPSS_SOA_DB_PORT              : 1521
OPSS_SOA_DB_SERVICE_NAME      : P3523A
ADMIN_SERVER_LISTEN_ADDRESS   : 10.180.35.12
ADMIN_SERVER_LISTEN_PORT      : 7001
ADMIN_SERVER_SSL_LISTEN_PORT  : 7002
MANAGED_SERVER_LISTEN_ADDRESS : 10.180.35.12
MANAGED_SERVER_LISTEN_PORT    : 8001
MANAGED_SERVER_SSL_LISTEN_PORT : 8002
LDAP_PROVIDER                 : OID
OID_IP                        : 10.180.35.23
OID_PORT                      : 3060
OID_ADMIN_USER                 : cn=orcladmin
OID_ADMIN_PWD                  : welcome1
```

Figure 5–3 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 5–4 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 5–5 Copying and Extraction of `obpininstall-ui-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 '10.180.85.196 (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 5–6 Copying and Extraction of obpininstall-ui-soa.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 5–7 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 5.2 Post Installation Configuration](#).

5.2 Post Installation Configuration

This section describes the post installation configuration procedure for OBEDM Localization 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 5–8 UI Admin Server Credentials

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

Figure 5–9 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 5–10 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 5–11 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 5–12 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 5–13 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 <mun00adi.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 5–14 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
8. Restart UI admin and UI managed server.

6 Standalone Database Setup

This chapter details the steps involved in OBEDM US Localization database which are primarily concerned with importing an existing database dump of the QA database.

6.1 Pre-Installation Steps

The following steps should be completed prior to the process of executing the installation steps for the OBEDM DB mentioned in [Section 6.2 OBEDM Database Setup – RCU Installation](#):

1. Oracle Database Enterprise Edition 12.2.0.1.0 must be installed on the database server.
2. Obtain the tar file dbScripts_us.tar.gz from OBEDM Host media pack (dbScripts_us.tar.gz is present in obpus-host.zip) and copy it onto the database server.
3. Ensure that the ONS service is started after DB installation.

6.2 OBEDM Database Setup – RCU Installation

The steps that should be performed to create the OBEDM Host DB schema are provided in [Section 6.3.1 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.

6.3 OBEDM Database Installation

This section includes steps for application schema creation along with execution of its ddl and seed. Also it includes system configuration database update and table partitioning.

6.3.1 Host DB Schema Creation and Verification

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

Untar dbScripts_us.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
```

6.3.2 HOST DB schema ddl execution

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 which 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_OBEDM/welcome1@OBEDMDB
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. Log on to the database with user id created.
3. Execute the query “select * from tab;” on the sql prompt to verify that the OBEDM tables are present.

6.3.3 HOST DB Schema Seeding

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_OBEDM/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 OBEDM DB seeding is completed, the control will return to the sql prompt.

6.3.4 System Configuration DB Update Script Execution

After the host db schema has been created successfully, copy the 'updateSystemDetails.sql' file from 'SOA_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_OBEDM@welcome1@OBEDMDB
D:\seed > @updateSystemDetails.sql
```

After ddl and seed execution, execute FLX_FW_ARTIFACTS_UICOMP_EXT present under obpus-host.zip.

7 OBEDM and IPM Integration

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

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

- [Section 7.1 IPM Application Setup for OBEDM Content Management](#)
- [Section 7.2 IPM Configuration for Bulk Upload Process Setup](#)
- [Section 7.3 IPM Report Upload Setup](#)

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

7.1 IPM Application Setup for OBEDM Content Management

This is a mandatory configuration required on IPM to enable integration of OBEDM 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.

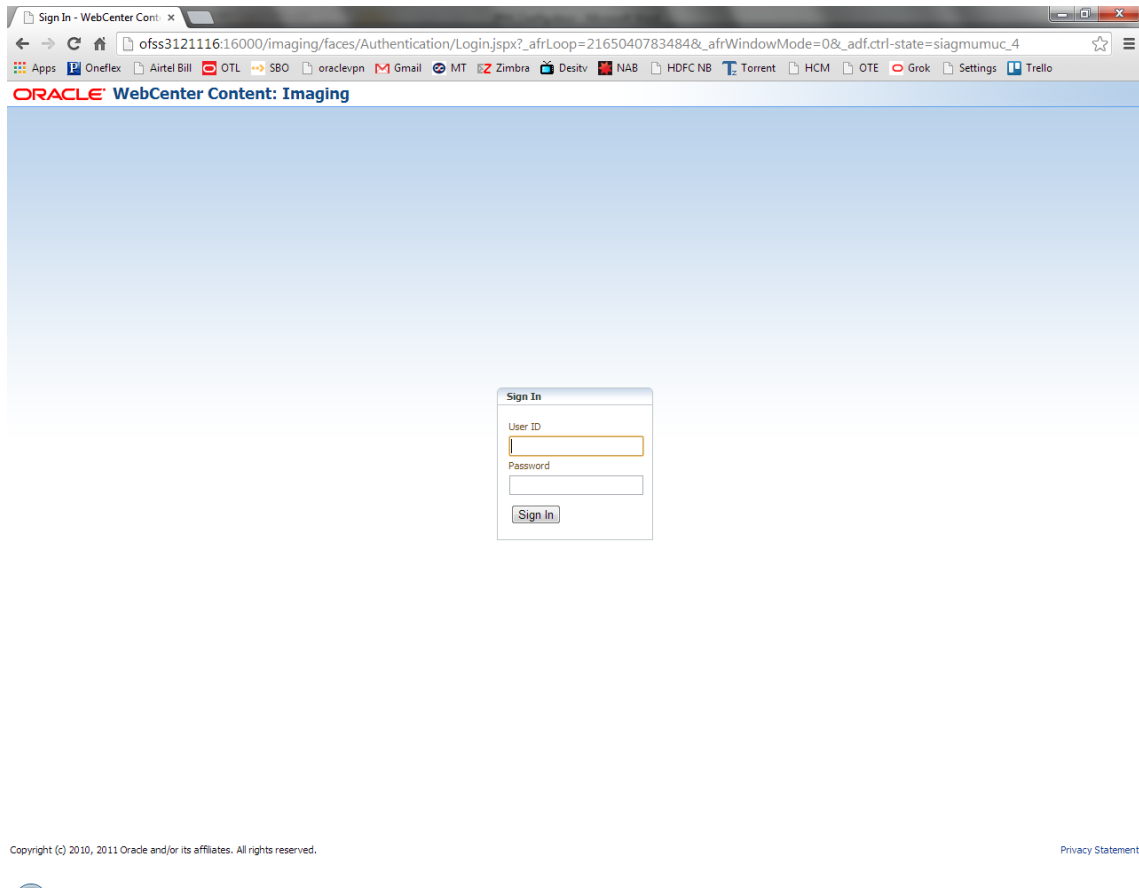
7.1.1 UCM Connection

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:

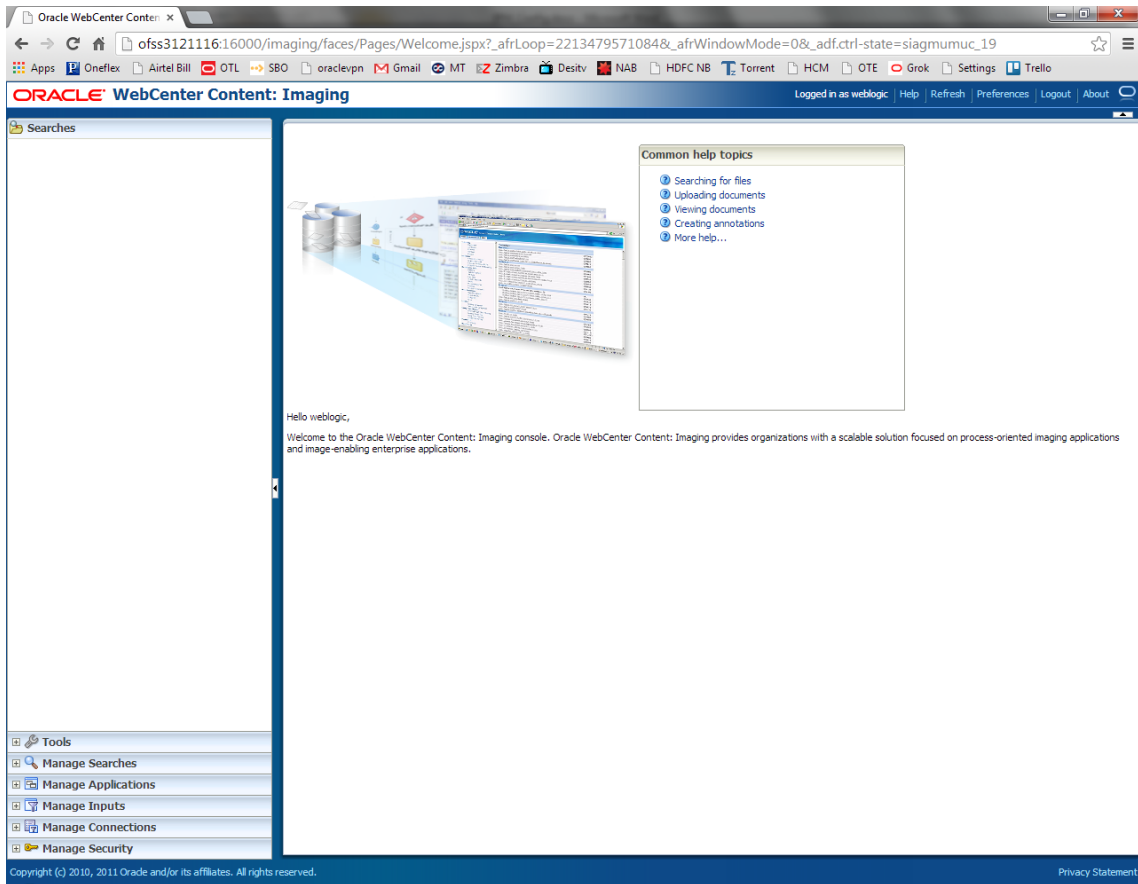
`http://hostname:16000/imaging`

Figure 7–1 IPM Imaging Console - Login page



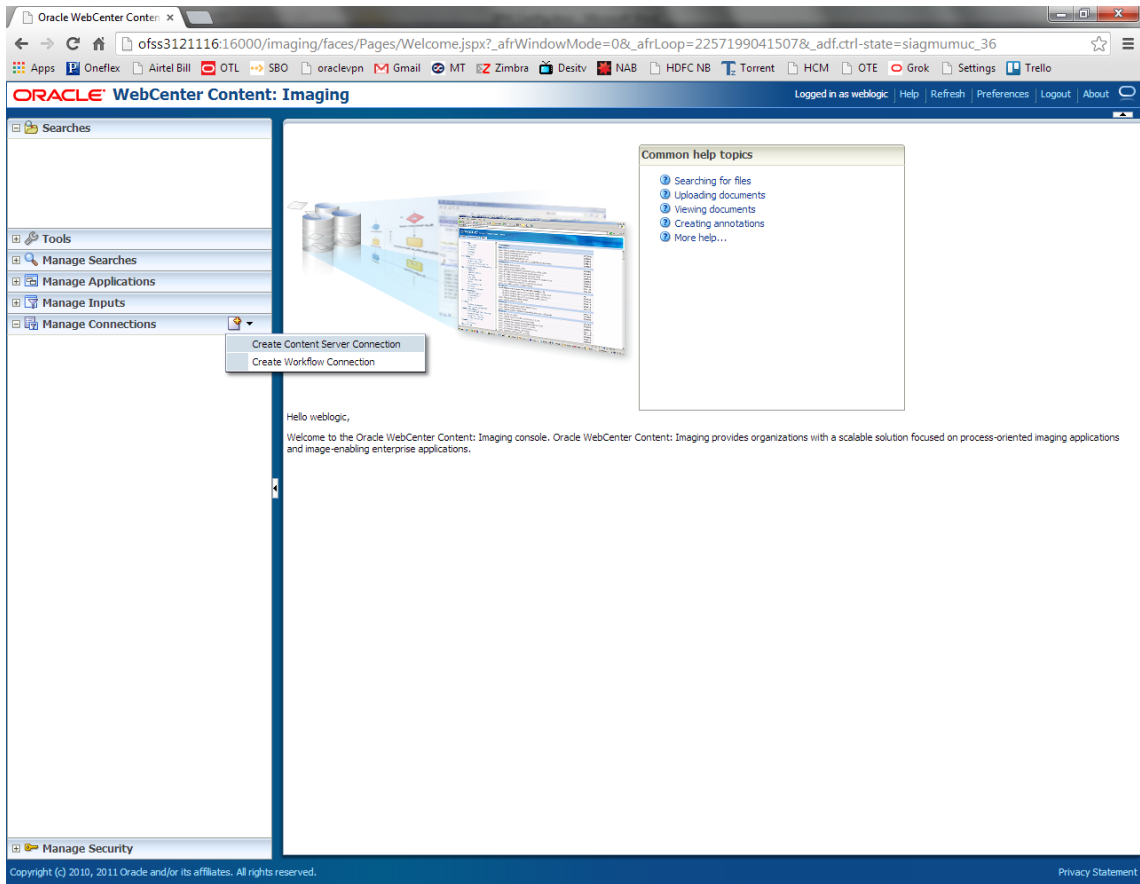
2. Enter the user ID and password set during IPM installation.

Figure 7–2 IPM - Welcome page



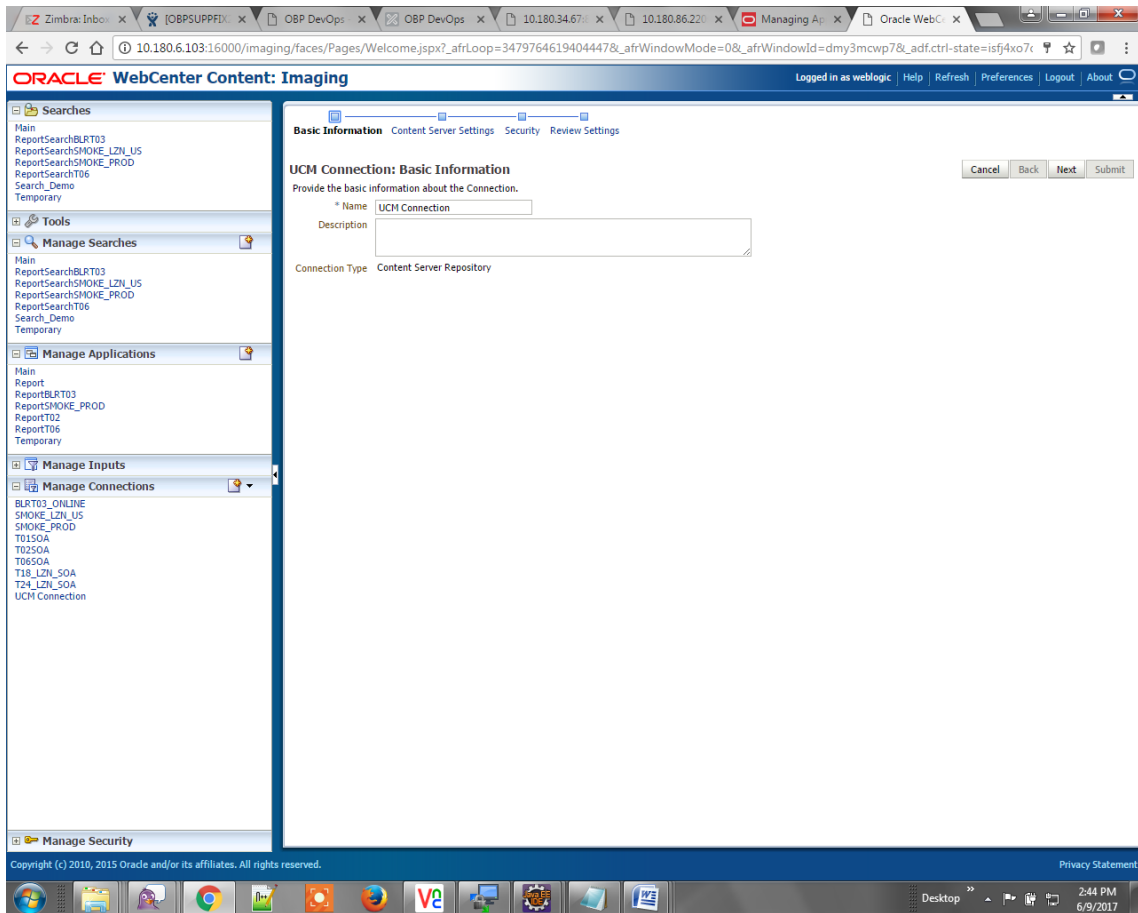
3. Navigate to Manage Connection and select Create Content Server Connection.

Figure 7–3 Create Content Server Connection



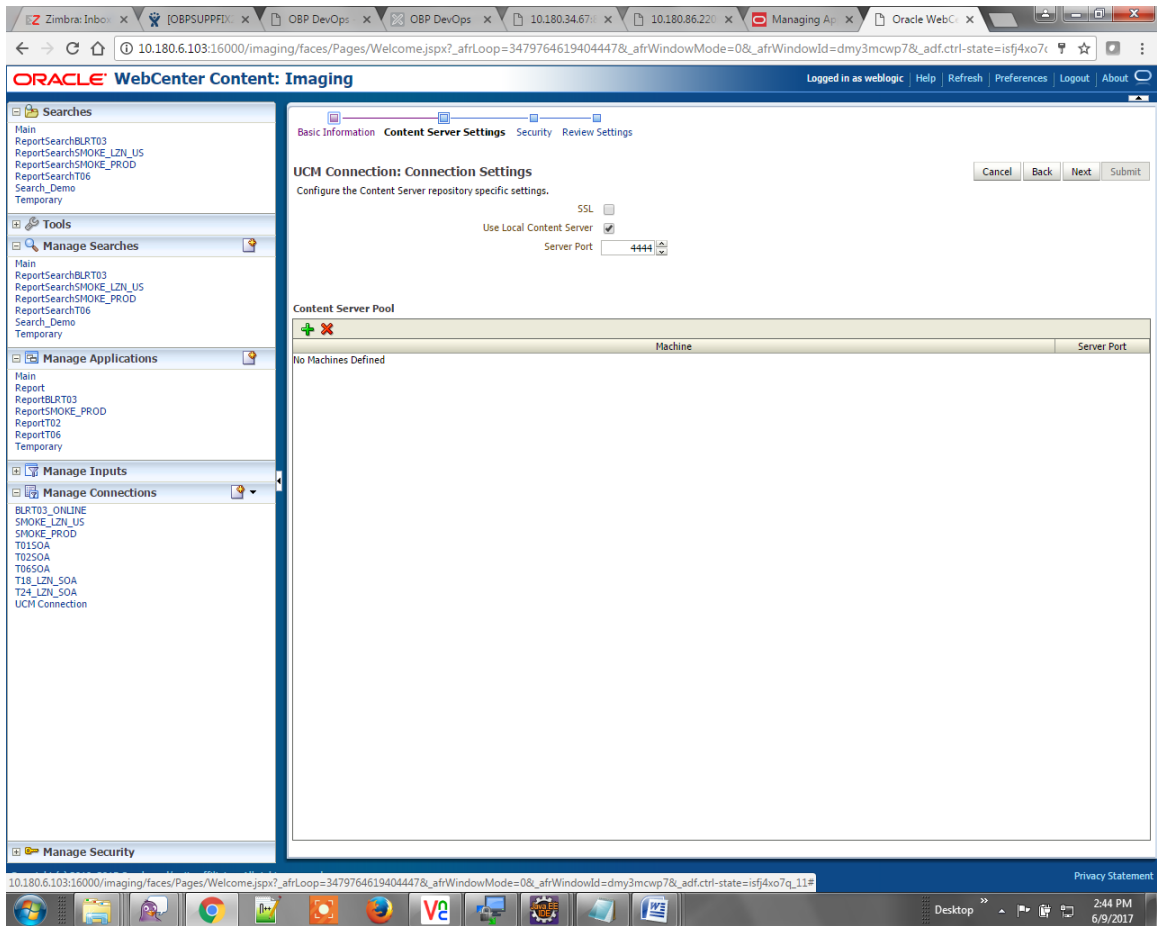
4. In the Basic Information stage, enter the name and description for Content Server Connection as UCM Connection and click Next.

Figure 7–4 UCM: Basic information



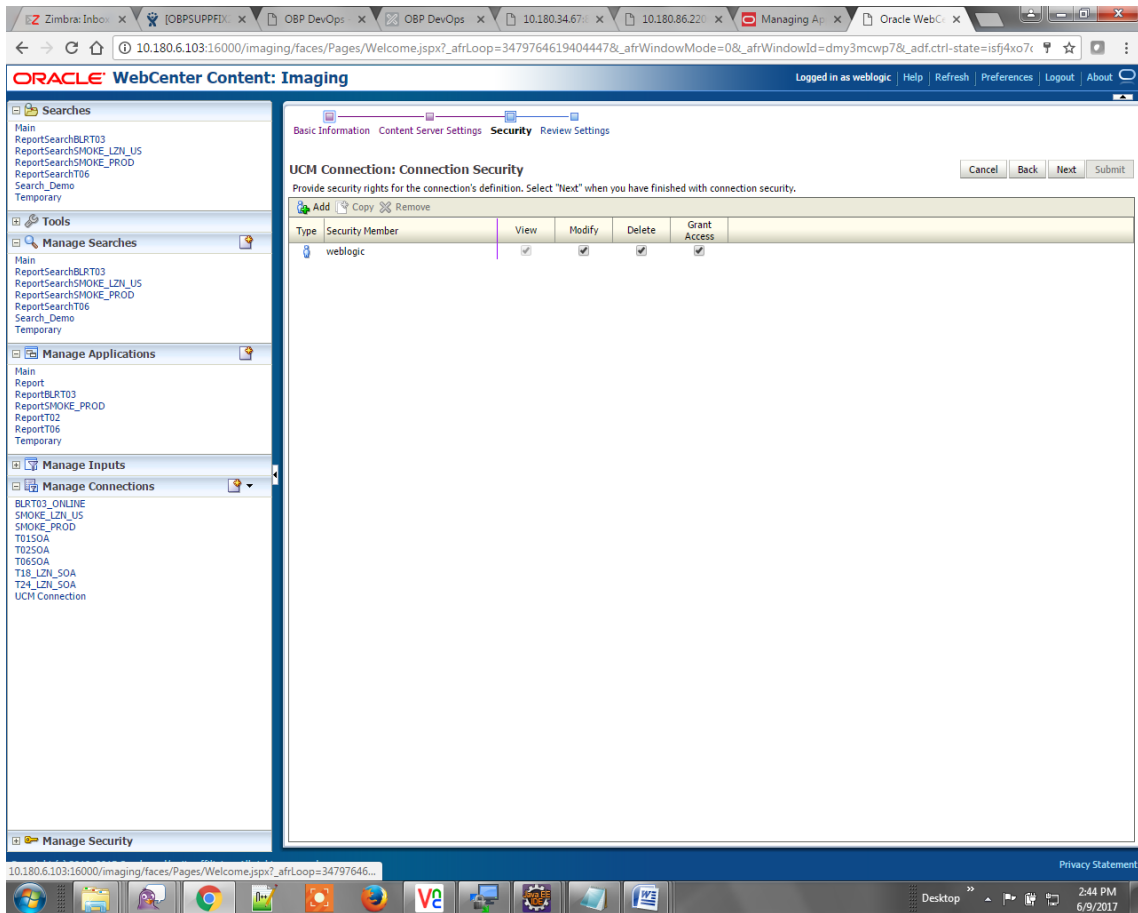
5. In the Content Server Settings page, select the Use Local Content Server check box and select the Server Port as 4444. Click Next.

Figure 7–5 UCM: Connection Settings



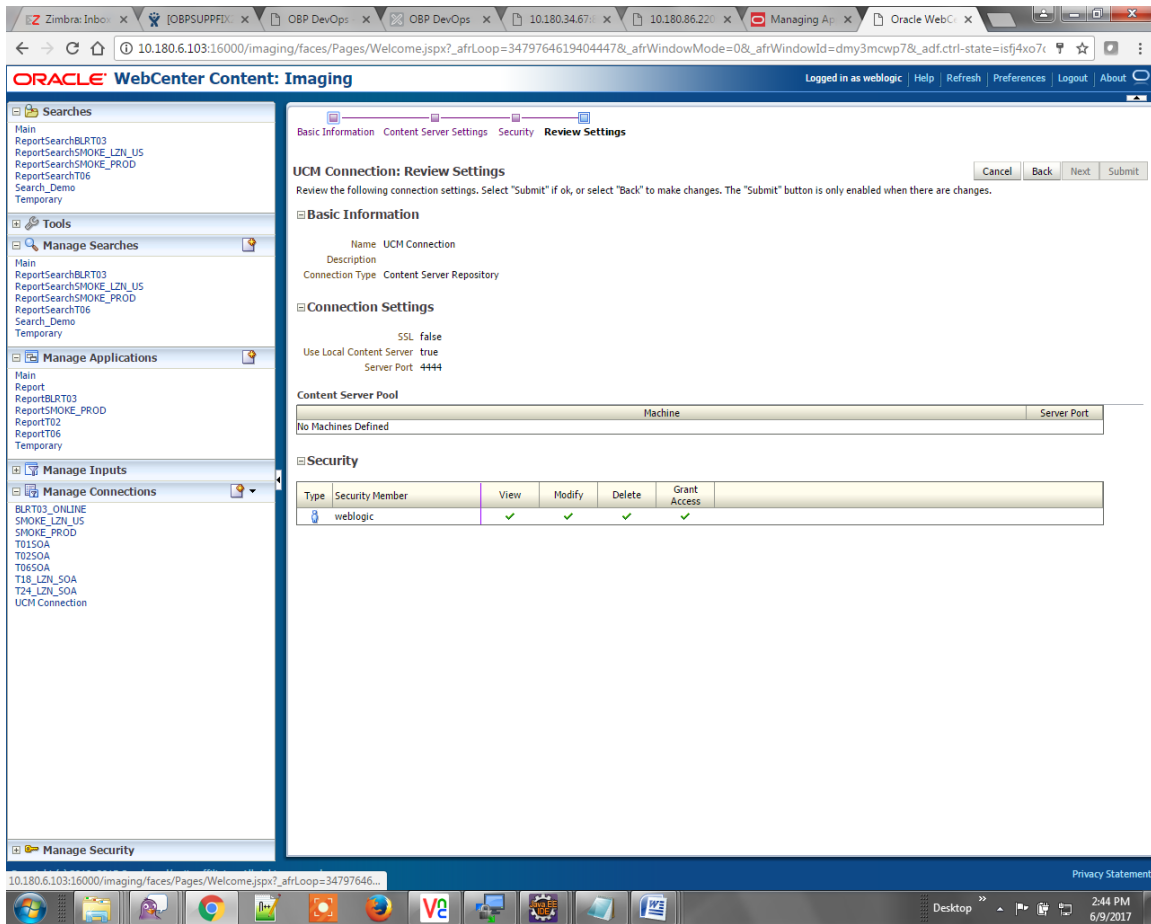
6. In the Security stage, select security rights for connection definition as shown below and click Next. If weblogic security member is not present, create it by clicking Add.

Figure 7–6 UCM: Connection Security



7. In the Review Settings stage, review the settings and click **Submit**.

Figure 7–7 UCM: Review Settings



7.1.2 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/middleware/12213/wcc/admin-image/GUID-4A1A138D-FFEC-4FBB-A6D3-7F4FA4BDE06A.htm#IPMGA162>.

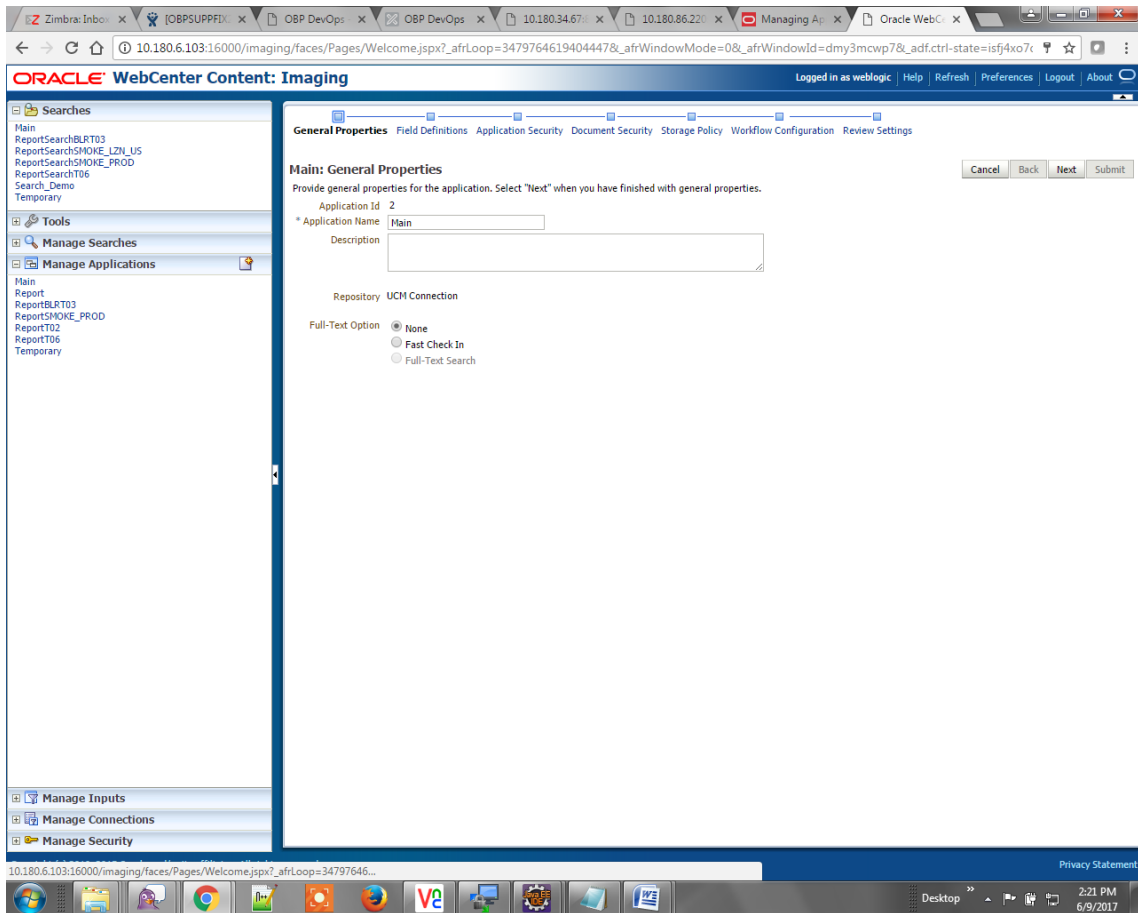
Create a main application and a temporary application in IPM.

7.1.2.1 Manage Application Configuration

To manage application configuration:

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

Figure 7–8 Main: General Properties



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

Figure 7–9 Main: Field Definitions

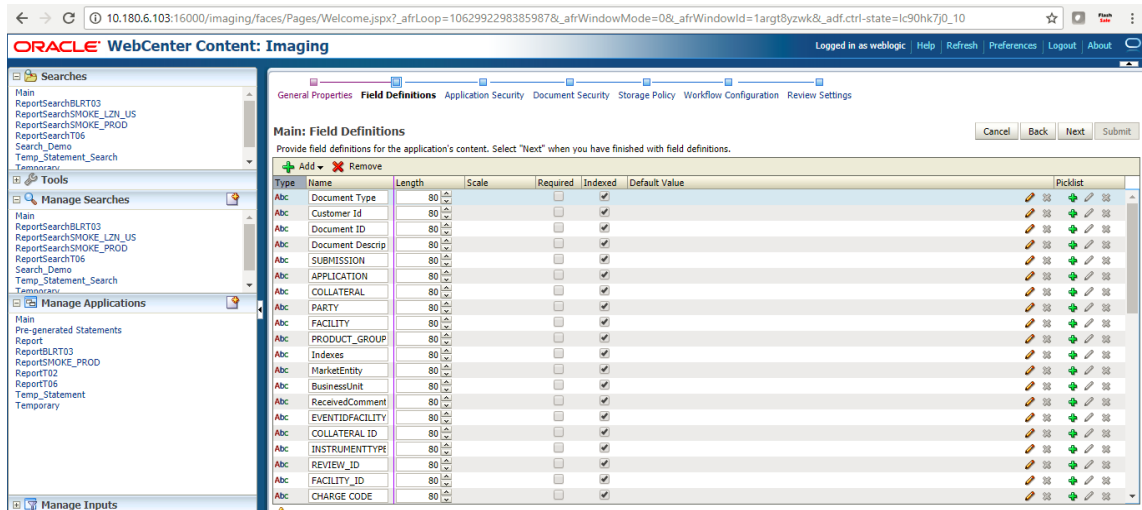
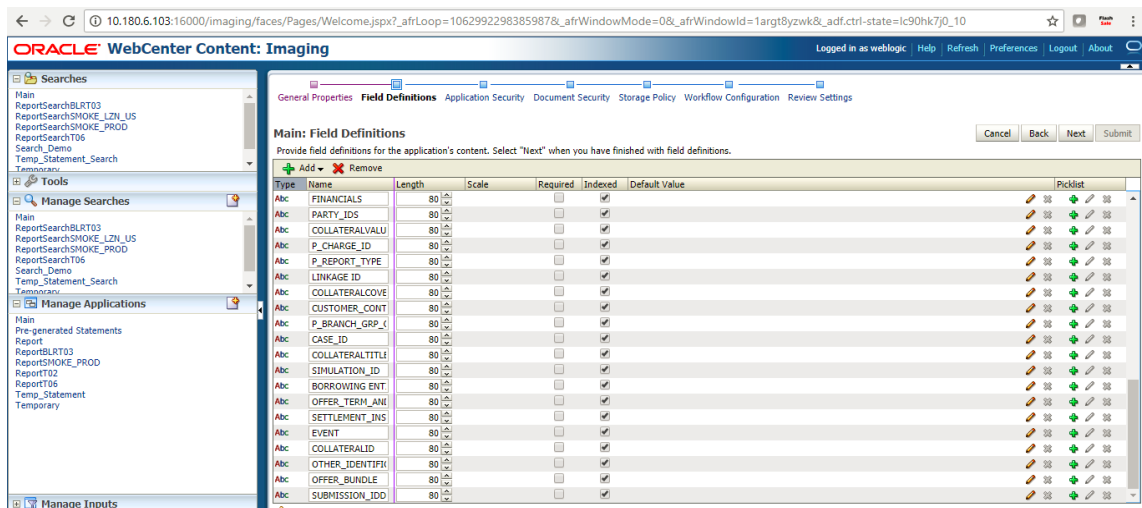


Figure 7–10 Field Definitions (cont.)



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

Figure 7–11 Main: Application Security

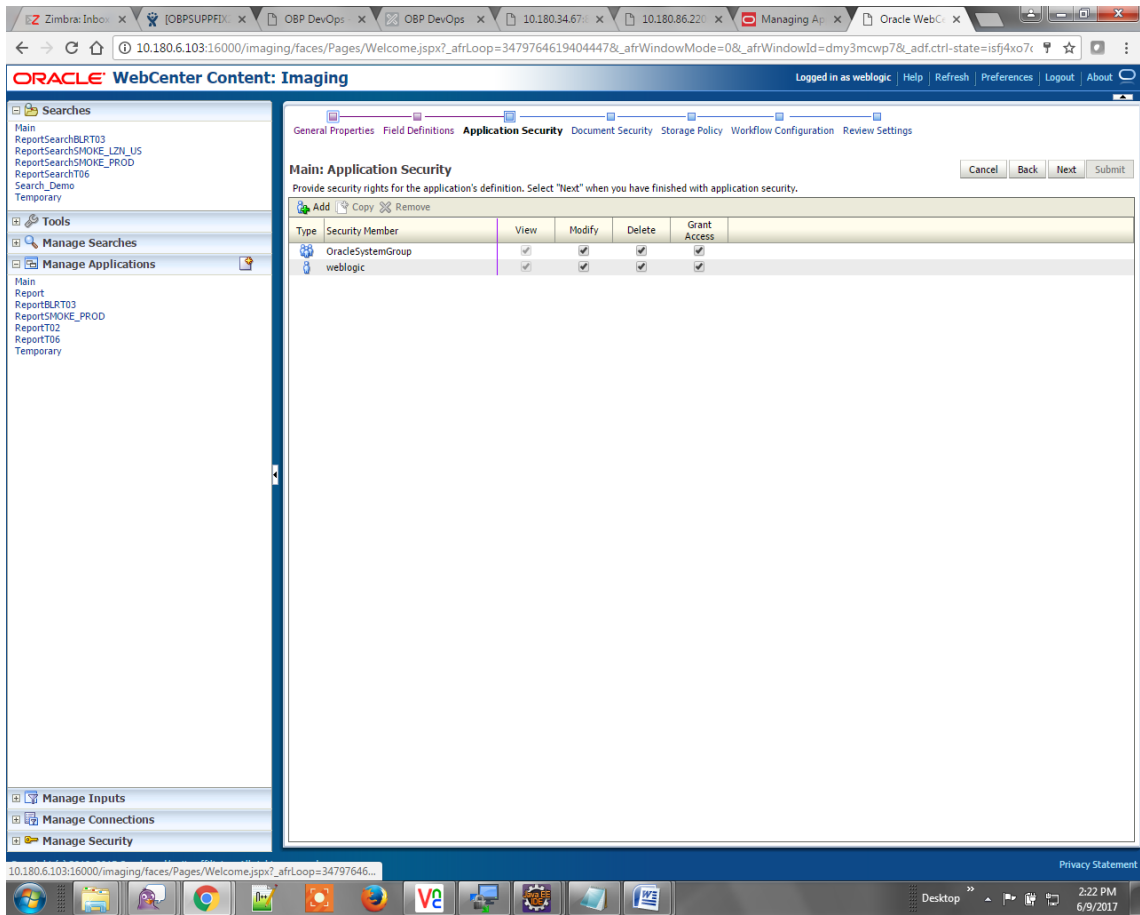
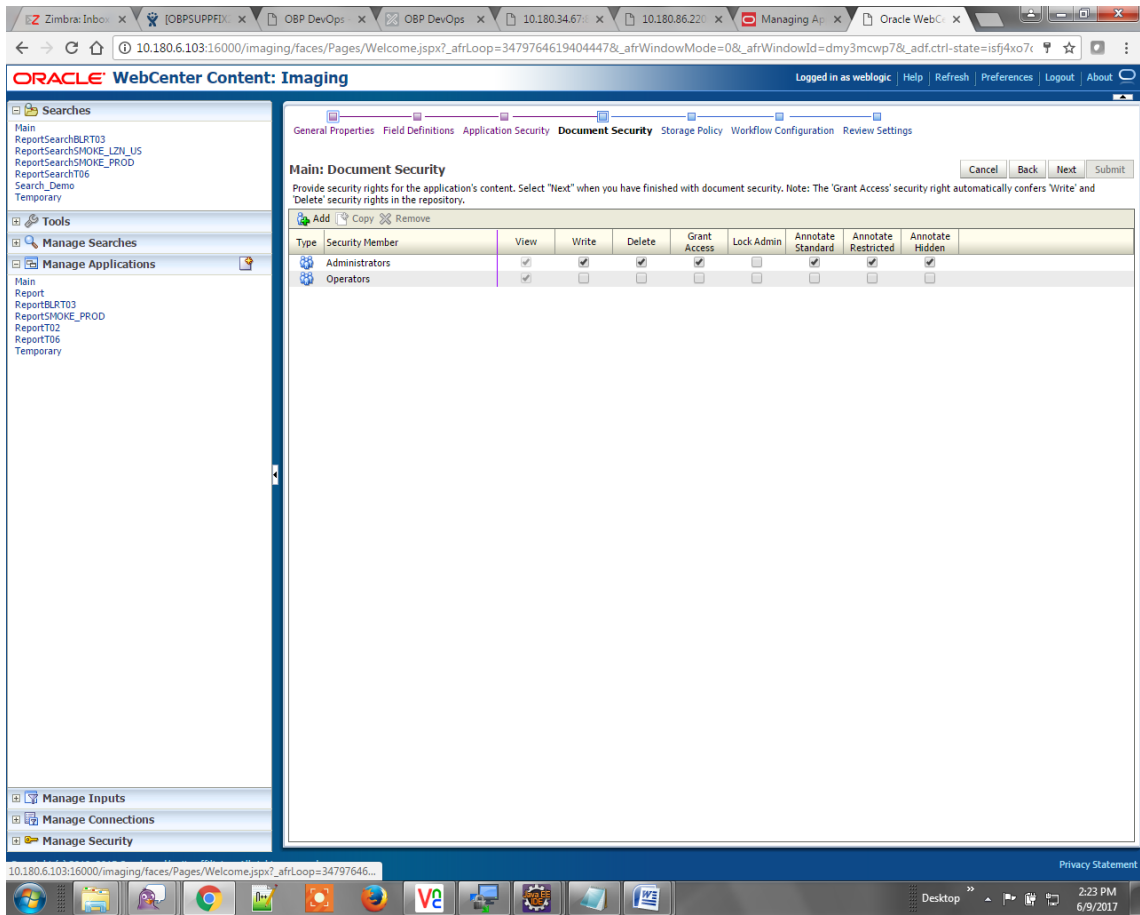
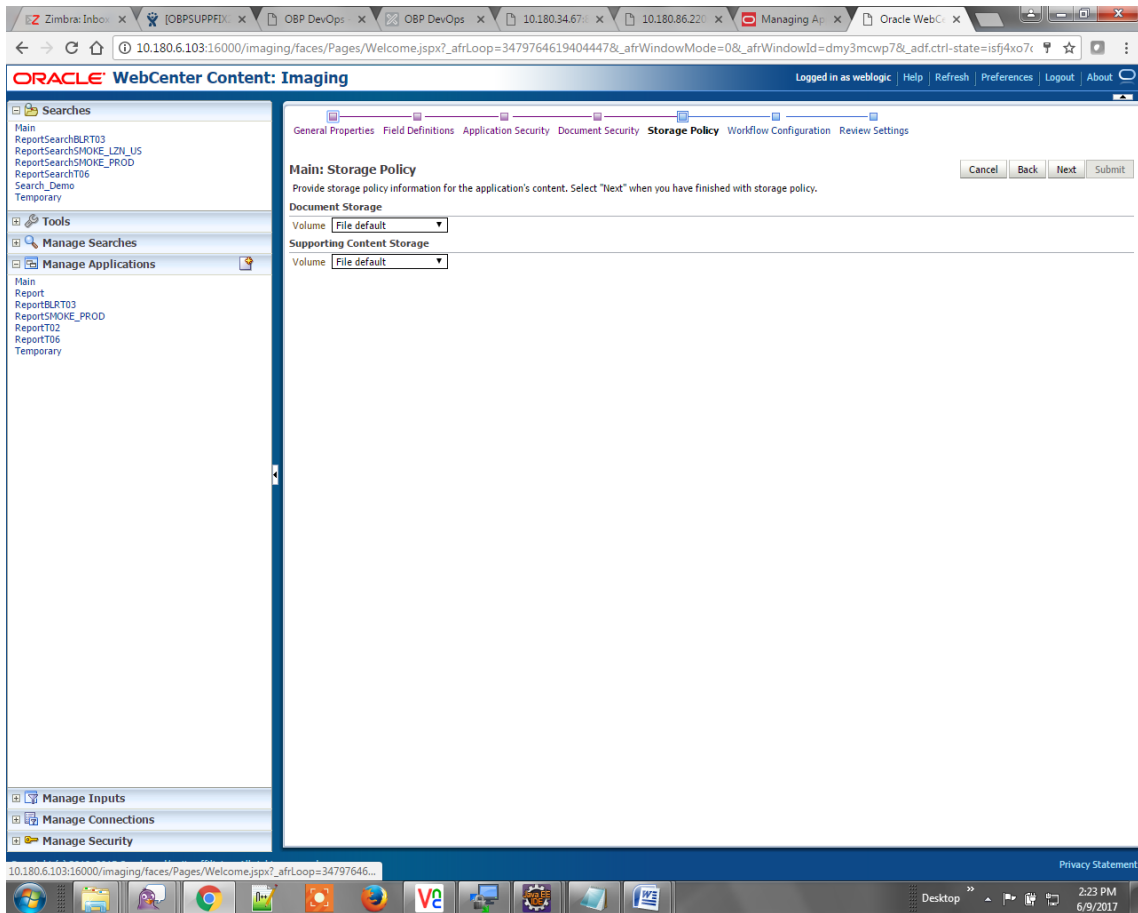


Figure 7–12 Main: Document Security



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

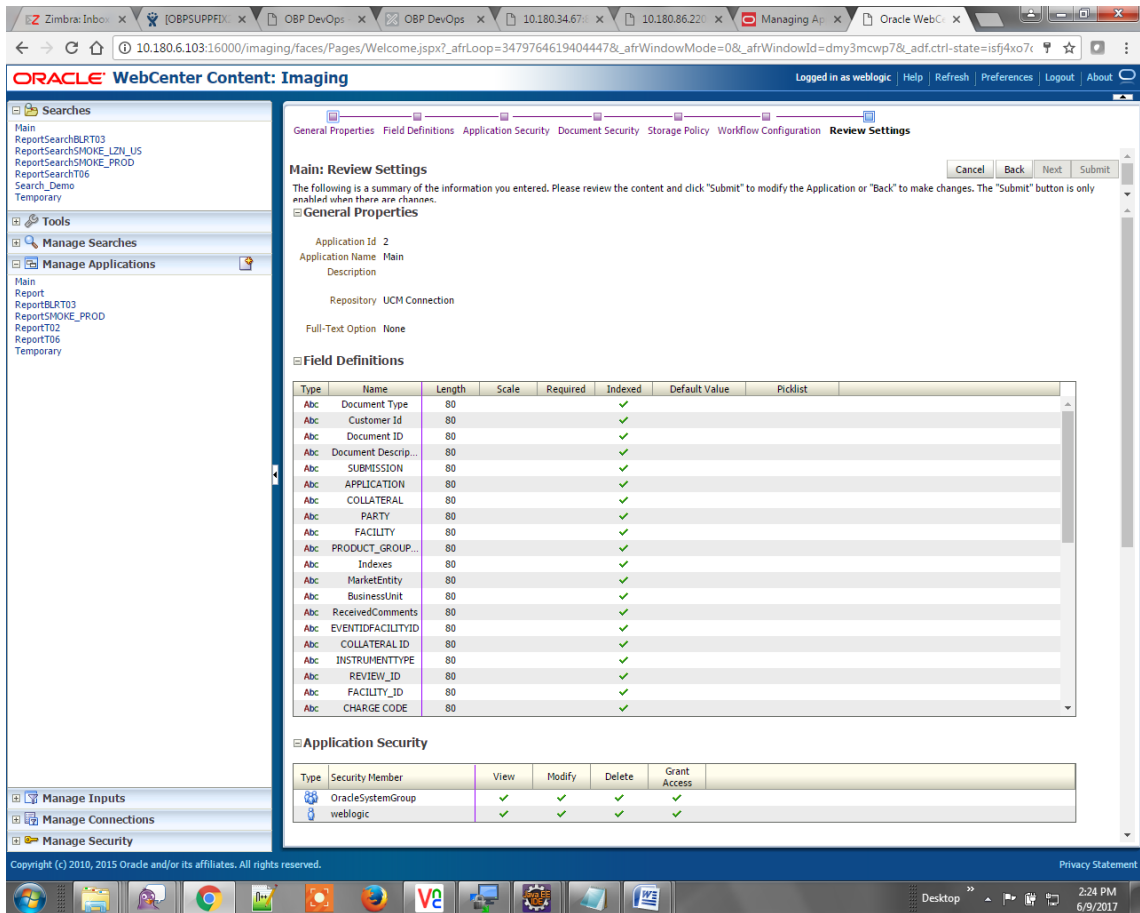
Figure 7–13 Main: Storage Policy



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

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

Figure 7–14 Main: Review Settings

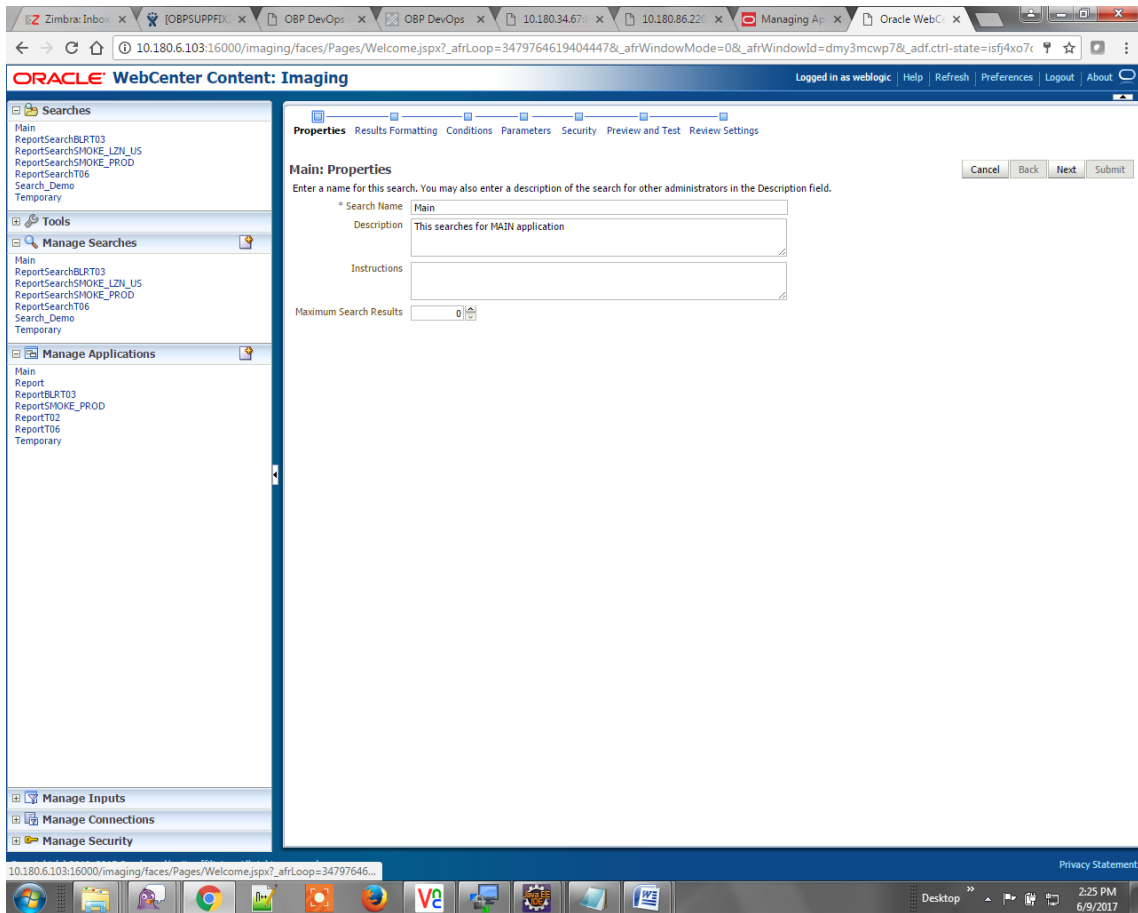


7.1.2.2 Manage Searches

To manage searches:

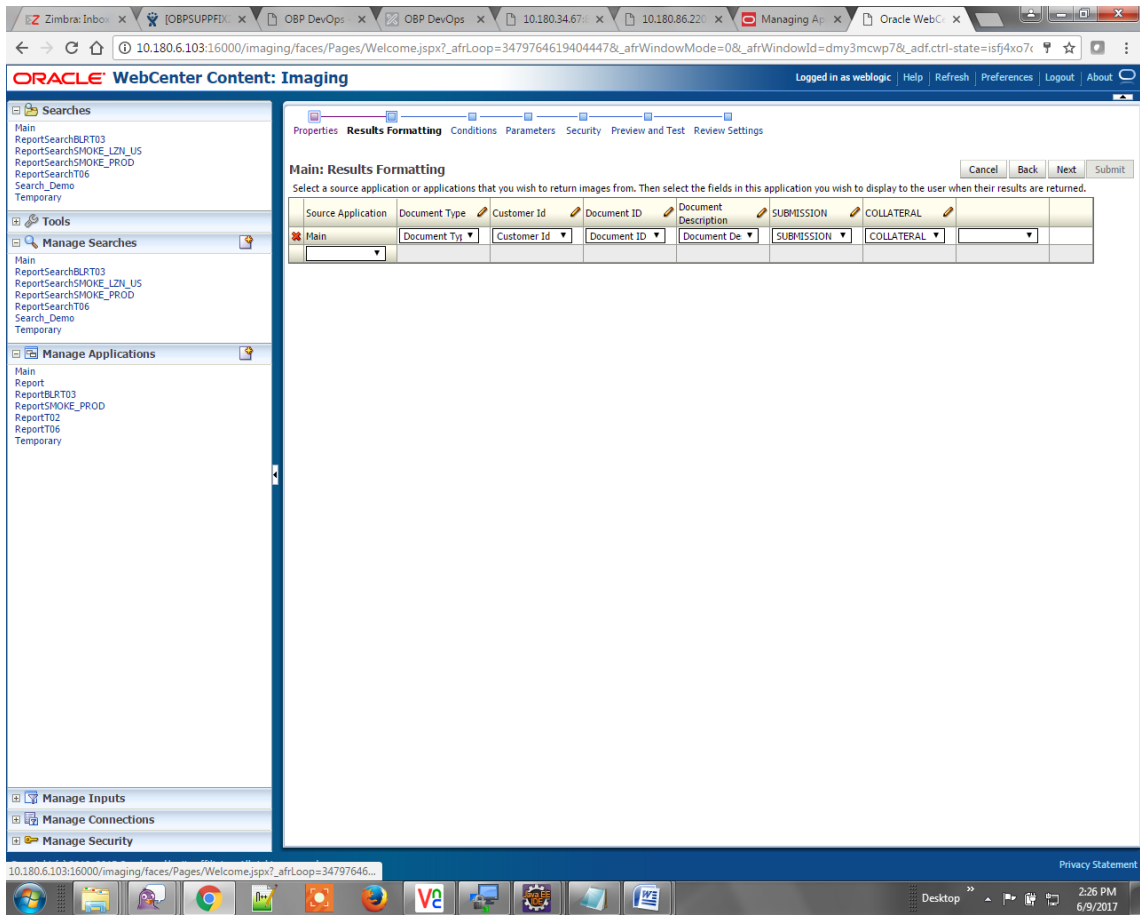
1. Click Manage Searches option and enter the search name with description.

Figure 7–15 Main: Properties



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

Figure 7–16 Main: Results Formatting



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

Figure 7–17 Main: Conditions

Oracle WebCenter Content: Imaging

Logged in as weblogic | Help | Refresh | Preferences | Logout | About

Properties Results Formatting **Conditions** Parameters Security Preview and Test Review Settings

Main: Conditions Cancel Back Next Submit

Select the conditions you want to use to find the images in the selected applications.

Application Selection: **Main**

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

Search Conditions

Application: Main

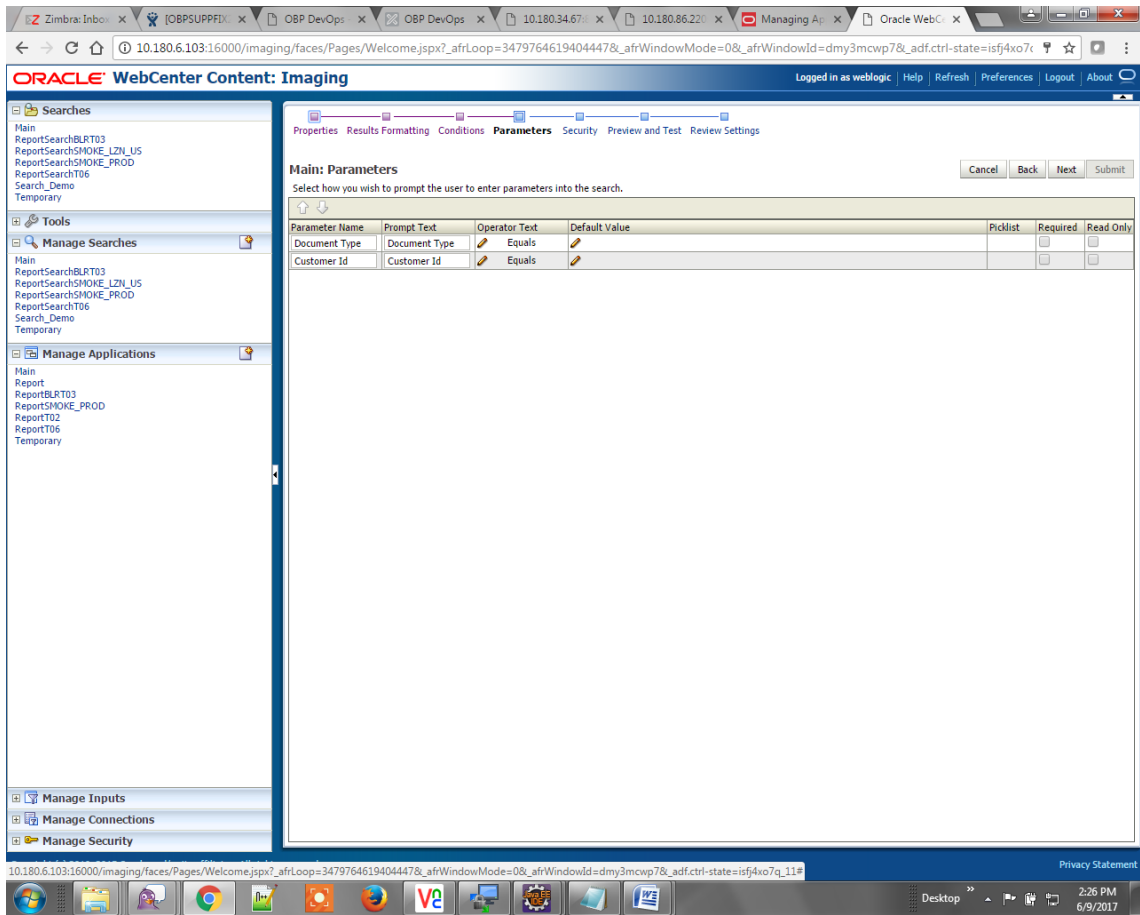
Field	Operator	Value	Conjunction
Document Type	Equals	Parameter - Document Type	Or
Customer Id	Equals	Parameter - Customer Id	

10.180.6.103:16000/imaging/faces/Pages/Welcome.jspx?_afrcLoop=3479764619404447&_afrcWindowMode=0&_afrcWindowId=dmy3mcwp7&_adf.ctrl-state=isf4xo7q_11#

2:26 PM 6/9/2017

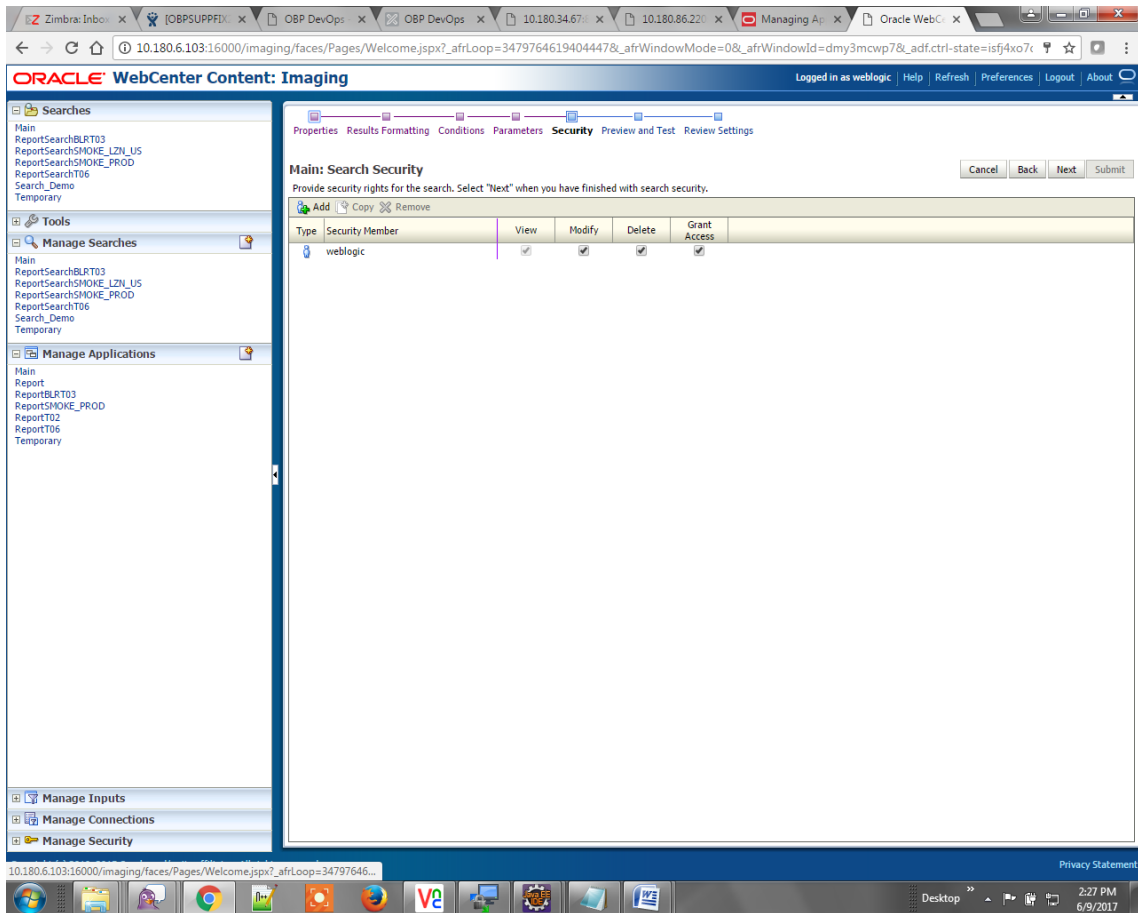
5. Select the appropriate settings in the Parameters page as shown below.

Figure 7–18 Main: Parameters



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

Figure 7–19 Main: Search Security



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

Figure 7–20 Main: Preview and Test

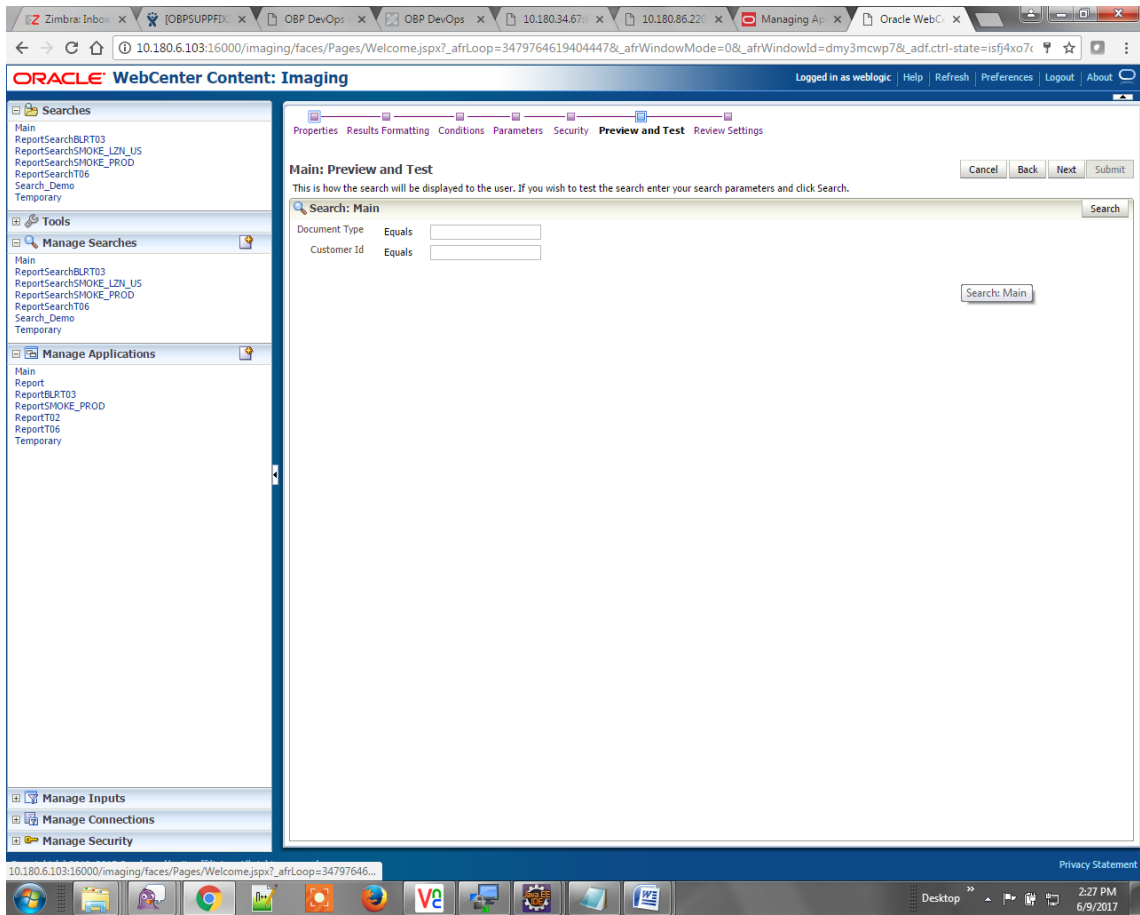


Figure 7–21 Main: Review Settings

Main: 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: Main
 Description: This searches for MAIN application
 Instructions:
 Maximum Search Results: 0

Results Formatting

Source Application	Document Type	Customer Id	Document ID	Document Description	SUBMISSION	COLLATERAL
Main	Document Type	Customer Id	Document ID	Document Descript...	SUBMISSION	COLLATERAL

Conditions

Application: Main

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

Parameters

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

Security

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

Audit History

Date	Type	User Name
6/9/2015 11:25:28...	Definition Create	weblogic

7.1.3 Temp Application Configuration

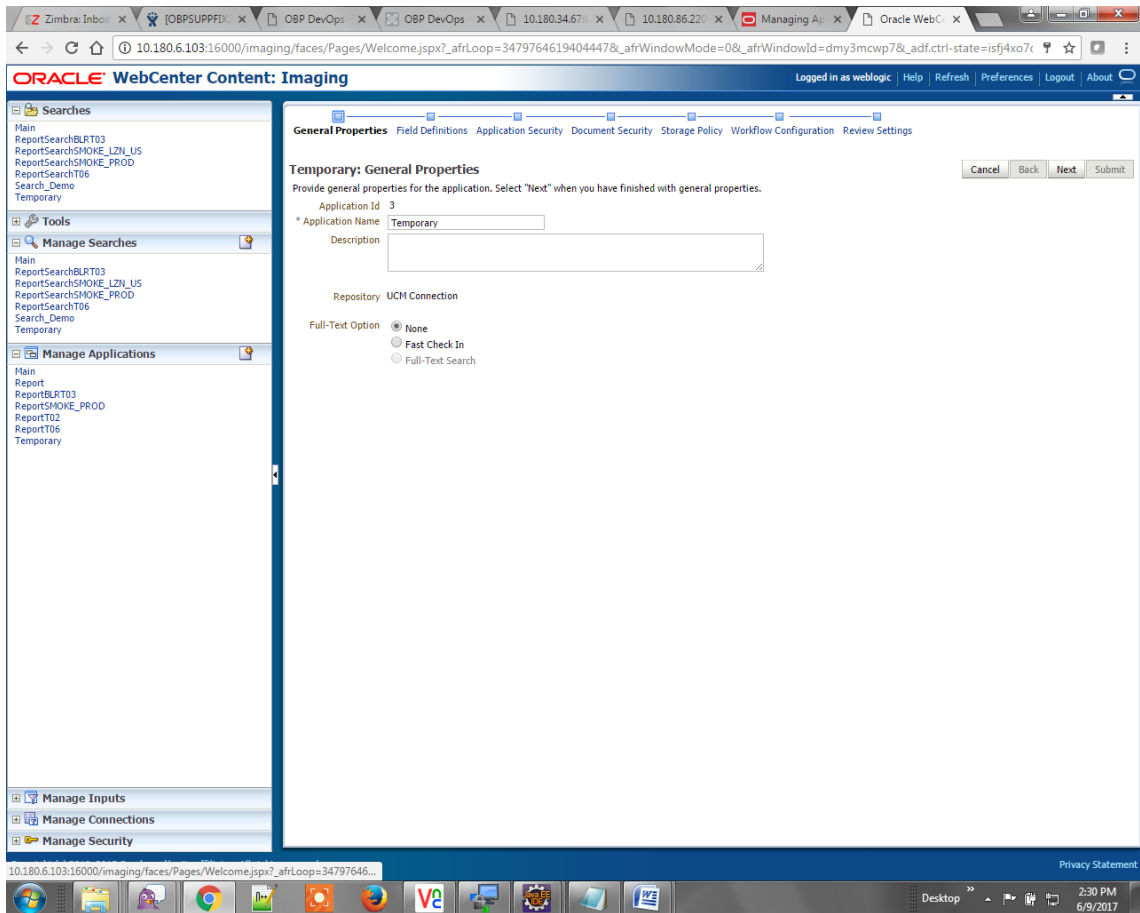
This section provides details about the temp application configuration.

7.1.3.1 Manage Application Configuration

To manage application configuration:

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

Figure 7–22 Temporary: General Properties



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

Figure 7–23 Temporary: Field Definitions

Oracle WebCenter Content: Imaging

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

Temporary: Field Definitions

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"/> <input type="checkbox"/> <input type="checkbox"/>
Abc	Customer Id	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Abc	FACILITY	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Abc	Document Descrip	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Abc	PRODUCT_GROUP	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Abc	SUBMISSION	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Abc	PARTY	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Abc	Collateral ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Abc	BORROWING ENTI	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Abc	COLLATERAL_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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

Figure 7–24 Temporary: Application Security

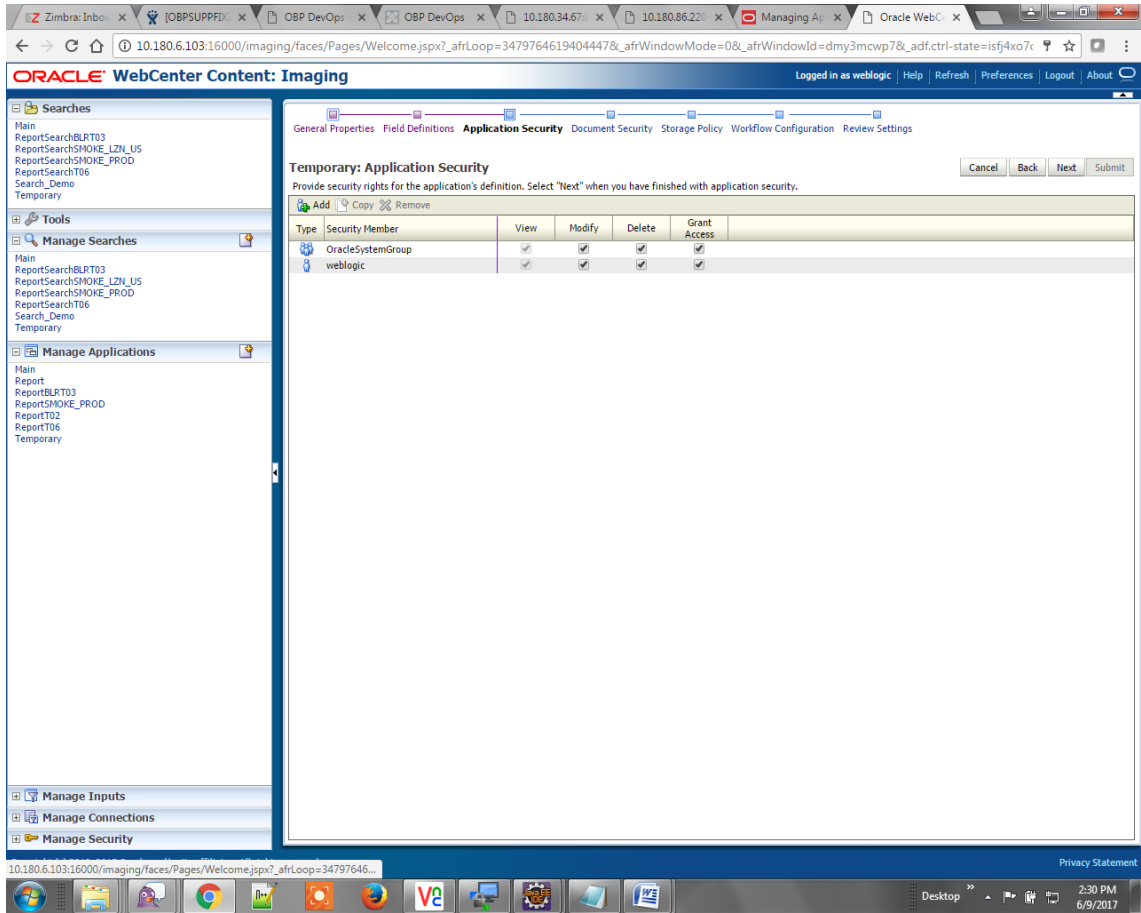


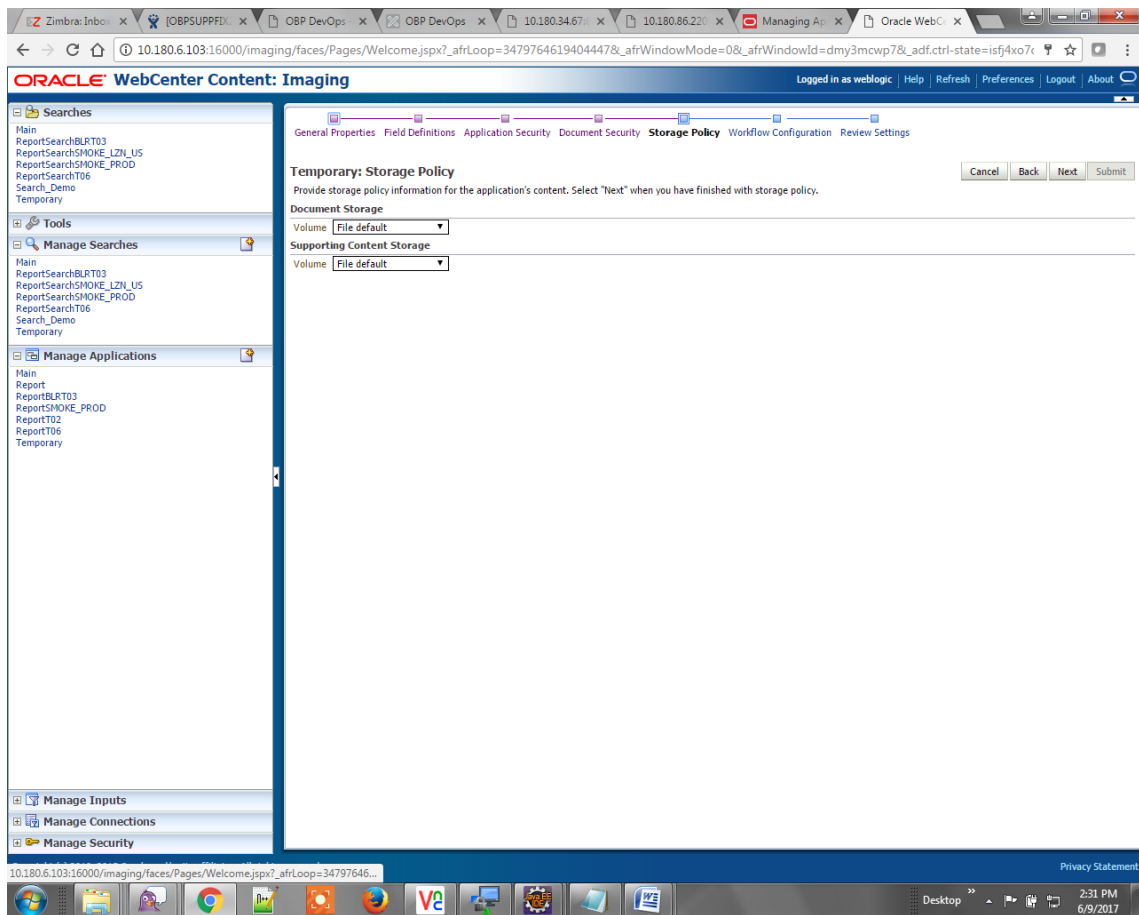
Figure 7–25 Temporary: Document Security

The screenshot displays the Oracle WebCenter Content: Imaging interface. The main content area is titled "Temporary: Document Security" and contains a table defining security rights for different user types. The table has columns for "Type", "View", "Write", "Delete", "Grant Access", "Lock Admin", "Annotate Standard", "Annotate Restricted", and "Annotate Hidden".

Type	View	Write	Delete	Grant Access	Lock Admin	Annotate Standard	Annotate Restricted	Annotate Hidden
Administrators	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Operators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

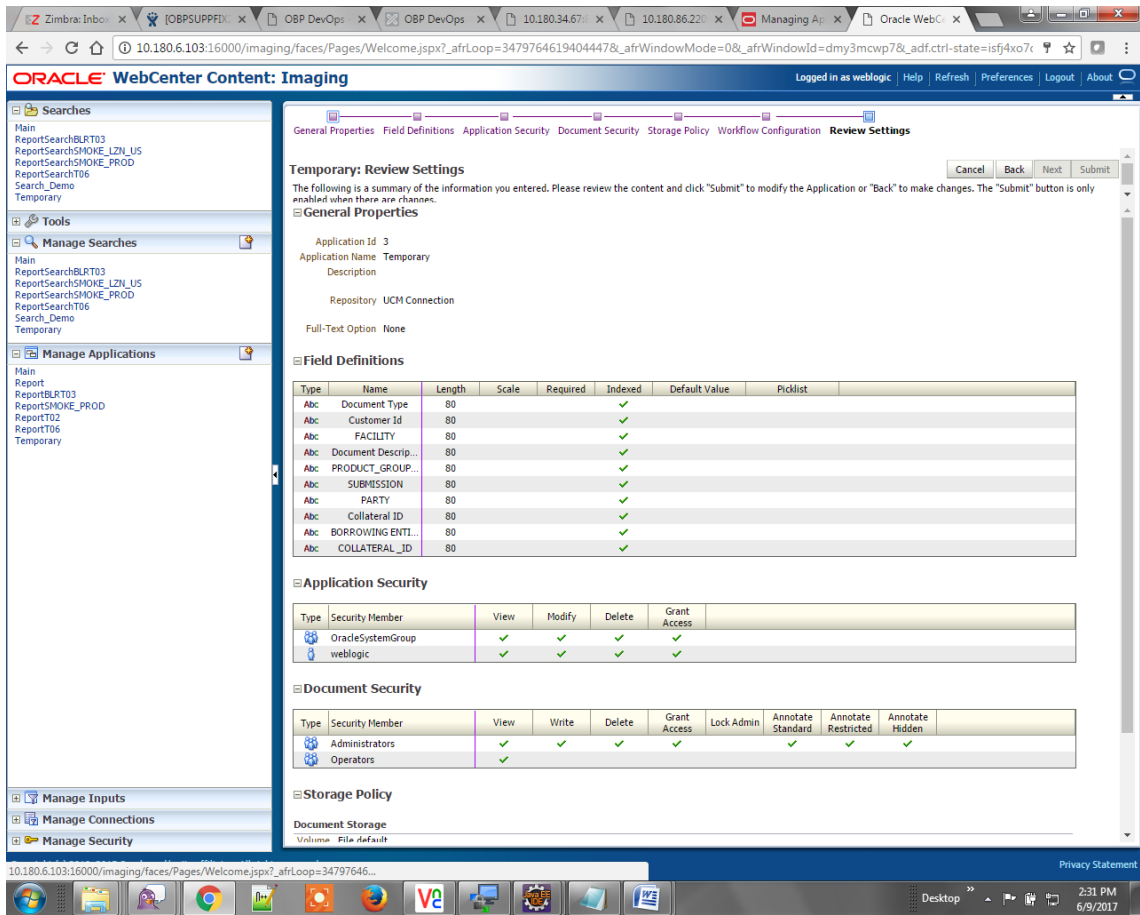
5. In the Storage Policy page, select the file default option has shown below.

Figure 7–26 Temporary: Storage Policy



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

Figure 7–27 Temporary: Review Settings

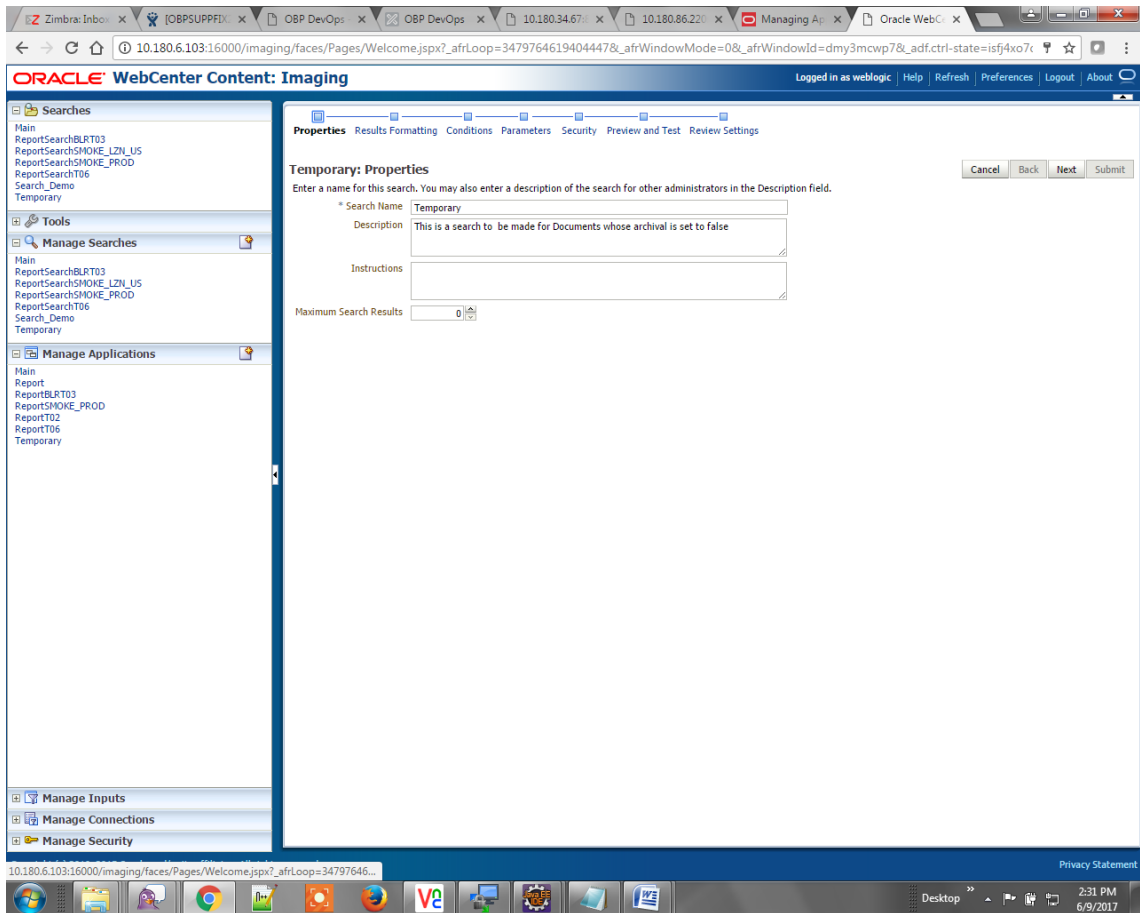


7.1.3.2 Manage Searches

To manage searches:

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

Figure 7–28 Temporary: Properties



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

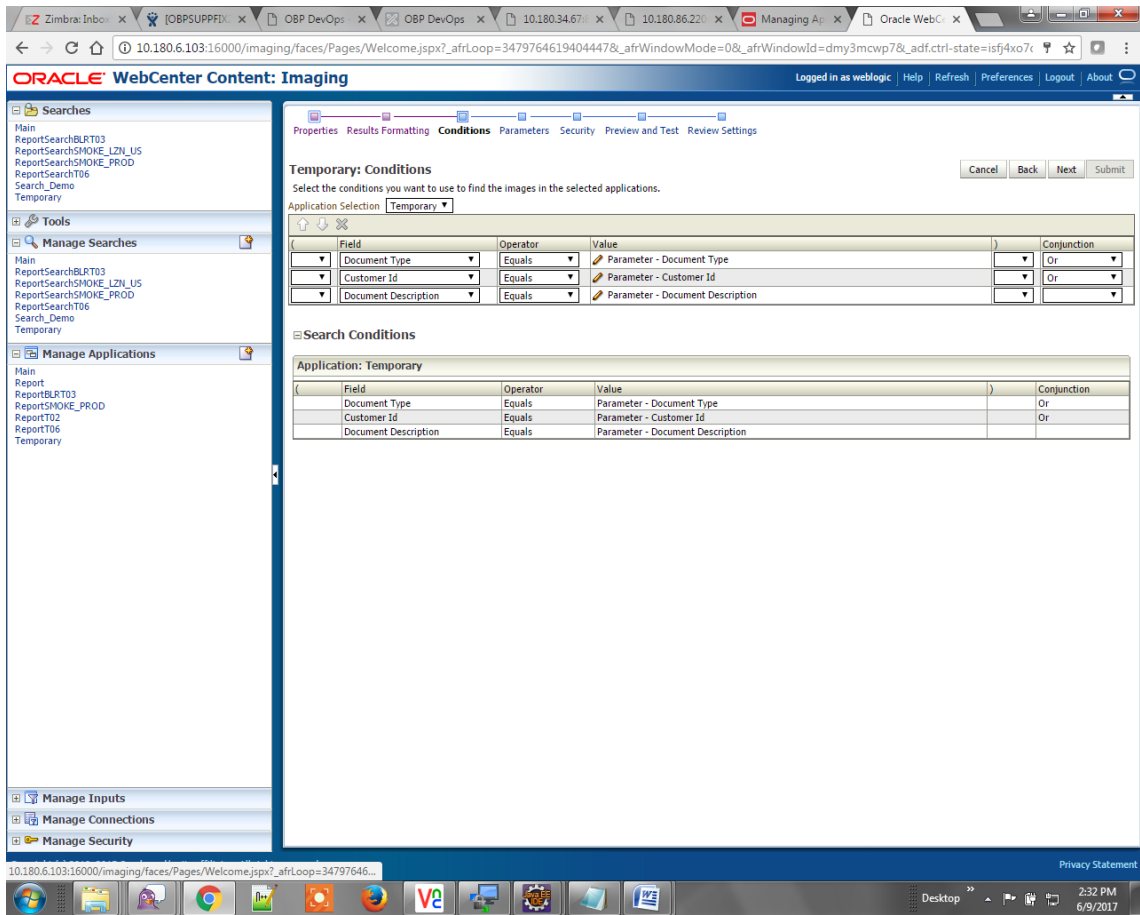
Figure 7–29 Temporary: Results Formatting

The screenshot shows the Oracle WebCenter Content: Imaging interface. The main window is titled "Temporary: Results Formatting" and contains a table for selecting source applications and fields to display. The table has the following columns: Source Application, Document Type, Document Type 1, Document Description, Document Batch Id, and PARTY. The "Temporary" source application is selected, and the following fields are chosen for display: Document Id, Document Type, Document Description, Document Batch Id, and PARTY. The interface also includes a left-hand navigation menu with sections like Searches, Tools, Manage Searches, Manage Applications, Manage Inputs, Manage Connections, and Manage Security. The top navigation bar includes tabs for Properties, Results Formatting, Conditions, Parameters, Security, Preview and Test, and Review Settings. The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the time as 2:32 PM on 6/9/2017.

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

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

Figure 7–30 Temporary: Conditions



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

Figure 7–31 Temporary: Parameters

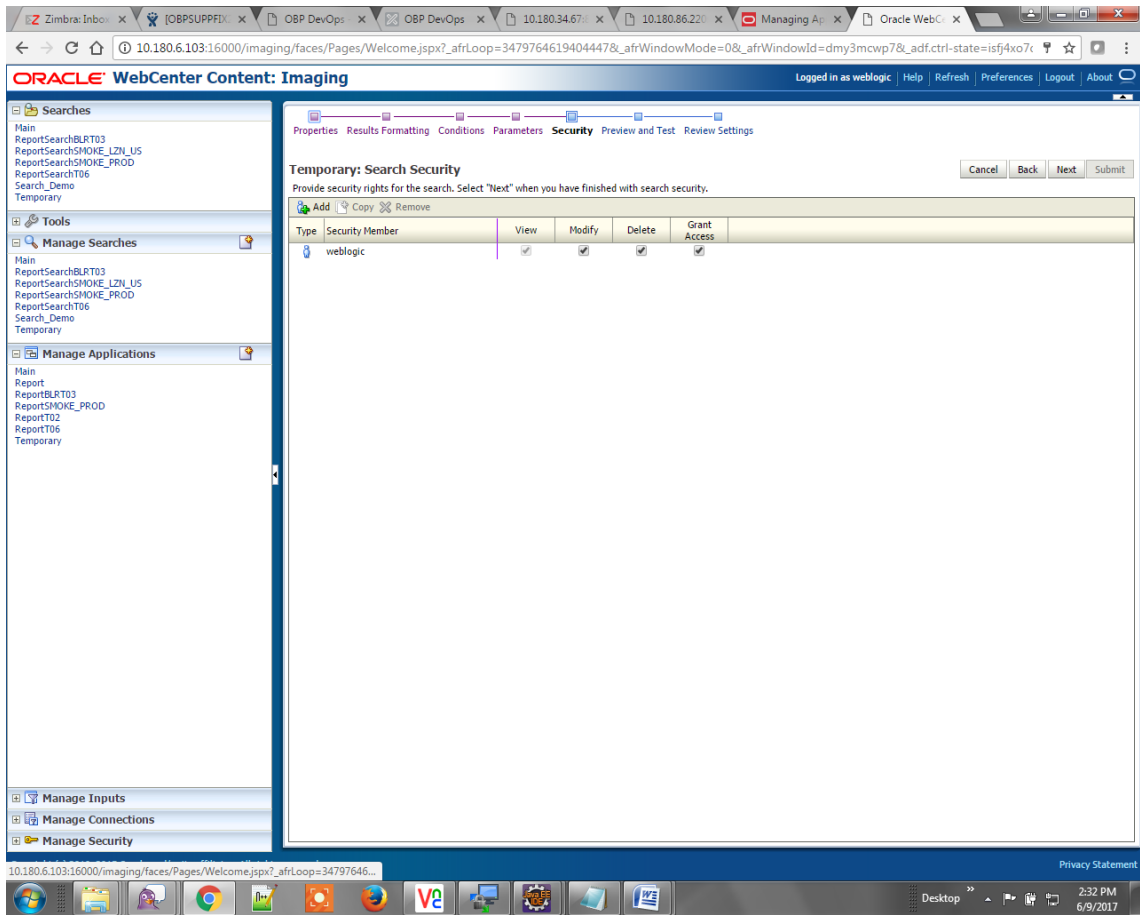
The screenshot displays the Oracle WebCenter Content: Imaging interface. The main content area is titled "Temporary: Parameters" and includes a sub-header "Select how you wish to prompt the user to enter parameters into the search." Below this is a table with the following data:

Parameter Name	Prompt Text	Operator Text	Default Value	Picklist	Required	Read Only
Document Type	Document Type	Equals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Customer Id	Customer Id	Equals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Document Descripl	Document Descripl	Equals		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The interface also features a left-hand navigation menu with sections for Searches, Tools, Manage Searches, Manage Applications, Manage Inputs, Manage Connections, and Manage Security. The top navigation bar includes tabs for Properties, Results Formatting, Conditions, Parameters (selected), Security, Preview and Test, and Review Settings. The bottom of the screen shows a Windows taskbar with the date 6/9/2017 and time 2:32 PM.

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

Figure 7–32 Temporary: Search Security



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

Figure 7–33 Temporary: Preview and Test

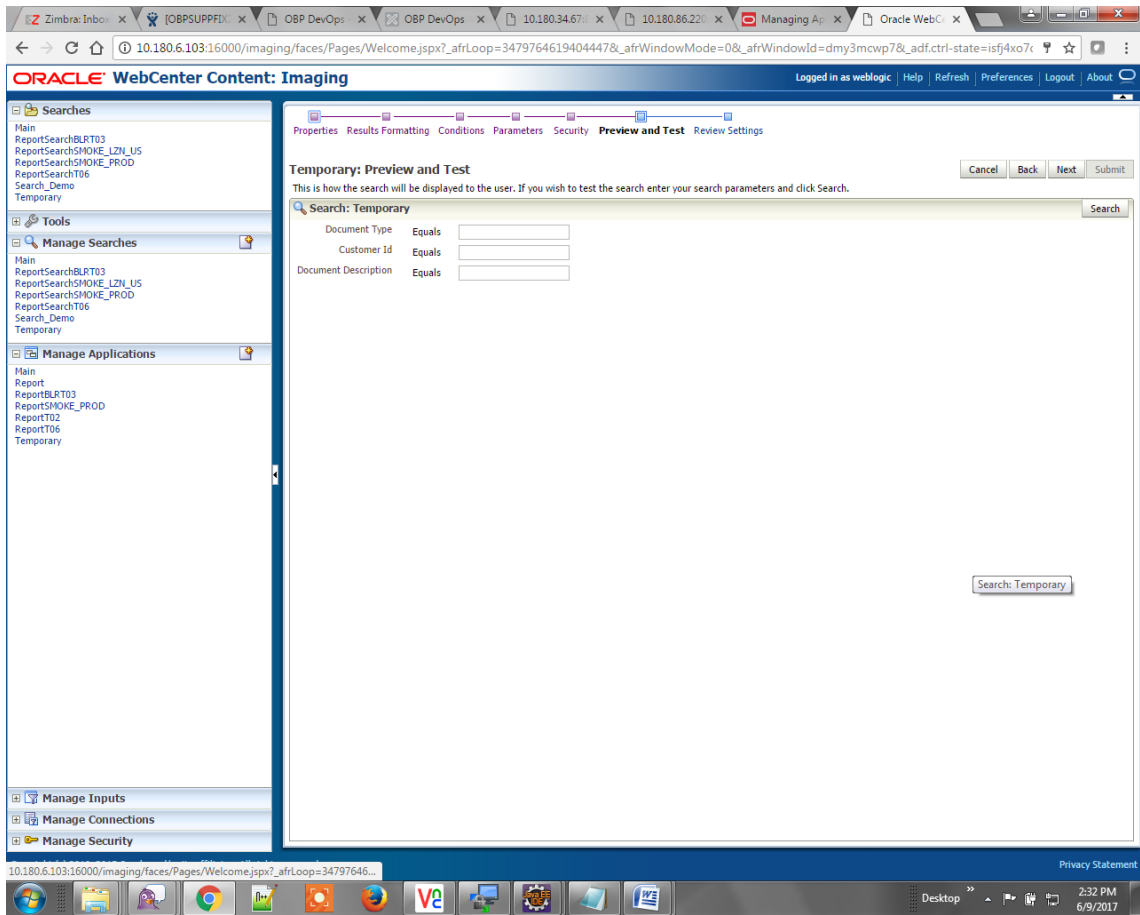
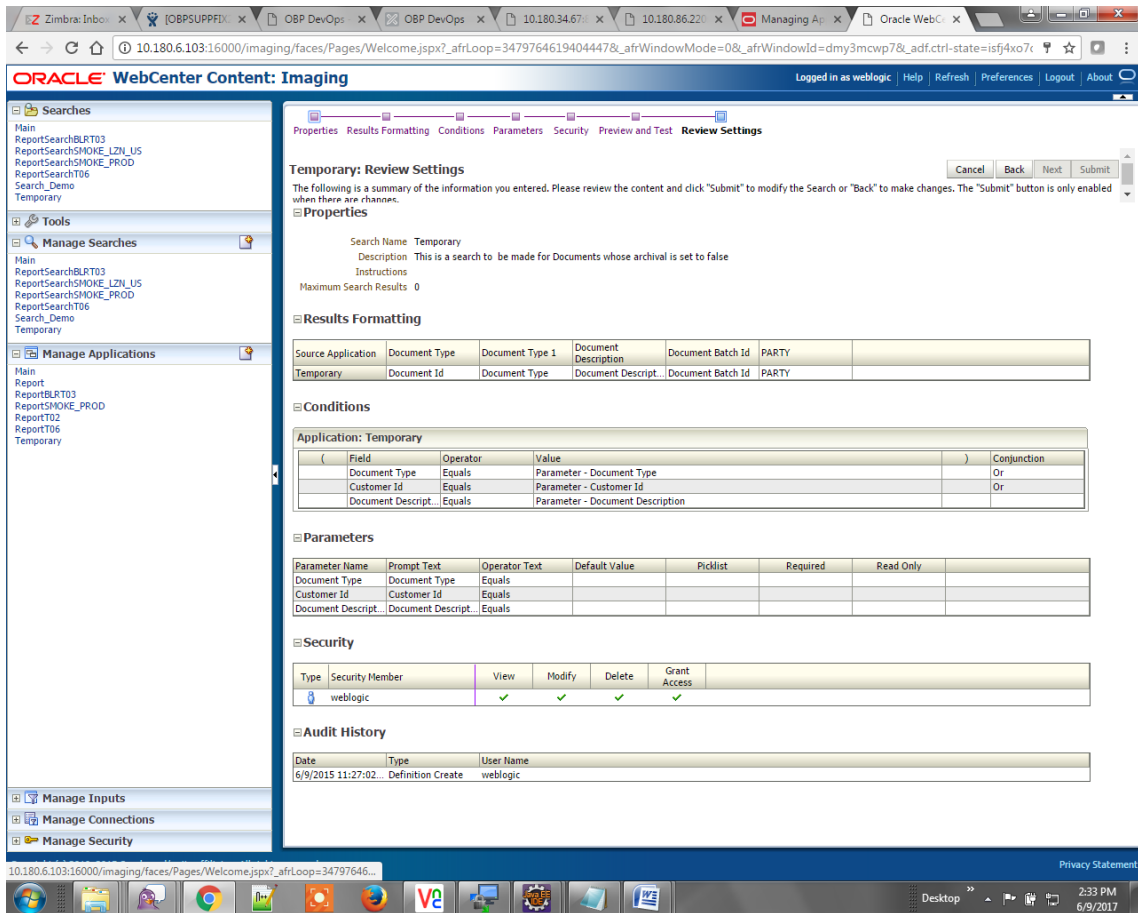


Figure 7–34 Temporary: Review Settings



The application ID generated for the main and temporary applications should be updated in the OBEDM 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';
```

7.2 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 OBEDM for the document record.

7.2.1 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.

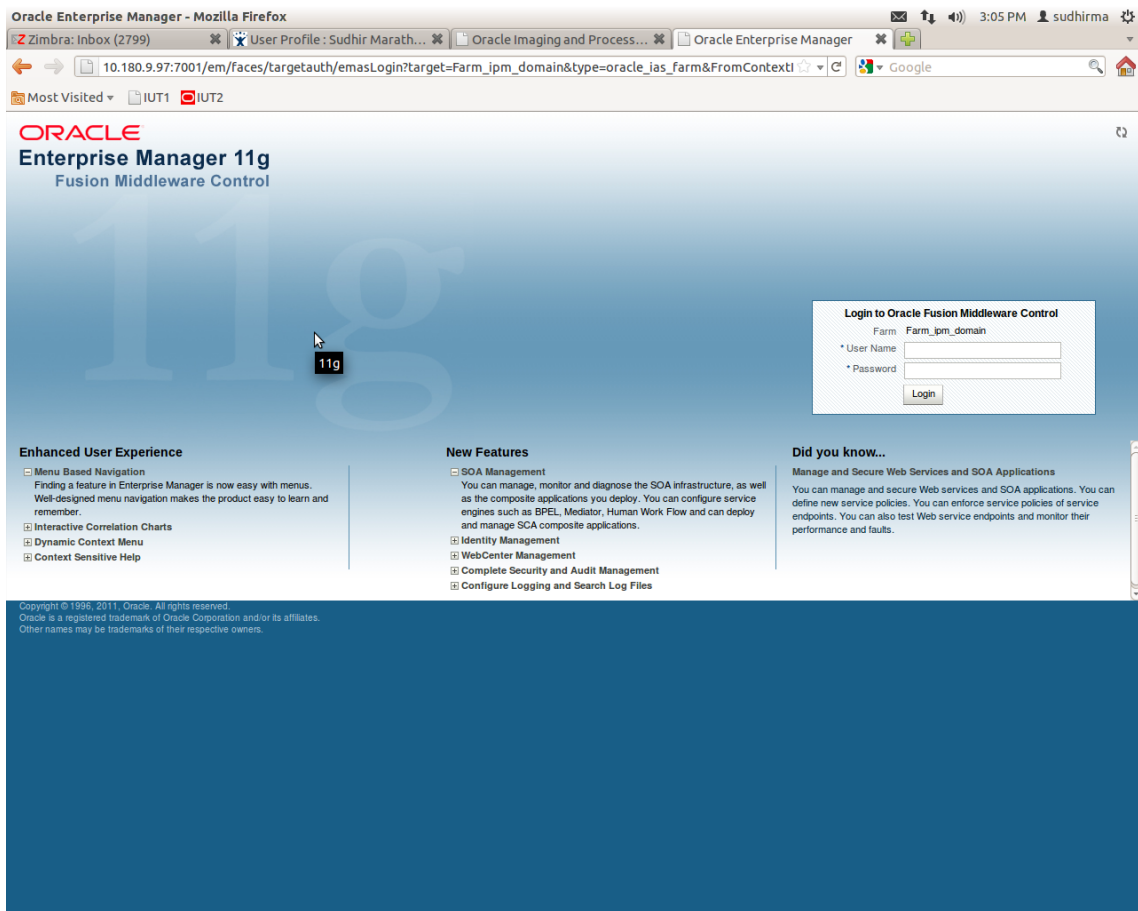
7.2.2 Setting up the Connection Name

To set up a bulk process, 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 7–35 EM Console Login



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

Figure 7–36 Click Weblogic Domain: ipm domain

The screenshot displays the Oracle Enterprise Manager 11g Fusion Middleware Control interface. The main content area is divided into two panes. The left pane, titled 'Deployments', shows a green 'Up' indicator with a count of 13. Below it is a table of application deployments:

Name	Status	Target
Application Deployments		
Internal Applications		
imaging	Up	IPM_server1
Oracle UCM Help	Up	UCM_server1
Oracle UCM Native Web Services	Up	UCM_server1
Oracle UCM Web Services	Up	UCM_server1

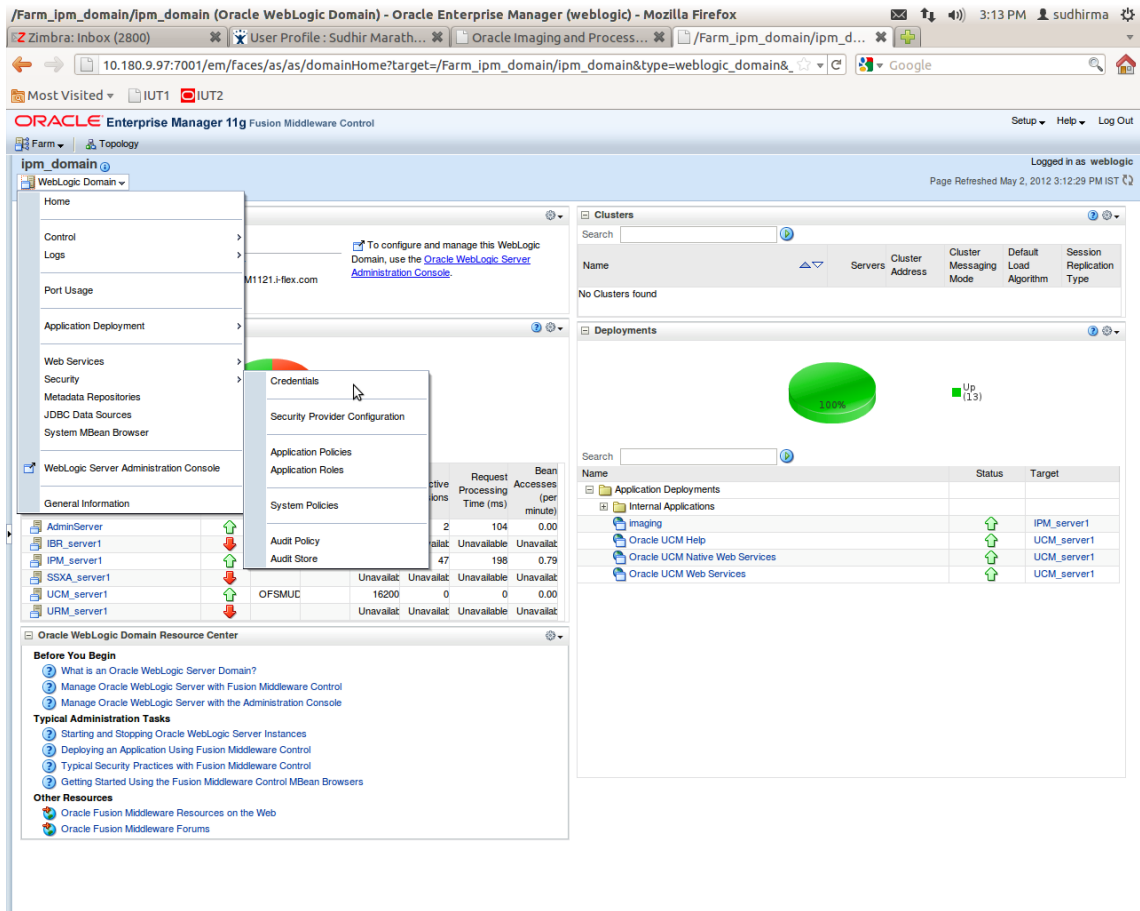
The right pane, titled 'Fusion Middleware', shows a red and green 'Down' indicator with counts of 3 Down, 3 Up, and 4 Up. Below it is a table of WebLogic domains:

Name	Status	Host
WebLogic Domain		
ipm_domain	Up	OFSMUD6VM1121
AdminServer	Down	OFSMUD6VM1121
IPM_server1	Up	OFSMUD6VM1121
SSXA_server1	Down	OFSMUD6VM1121
UCM_server1	Down	OFSMUD6VM1121
URM_server1	Down	OFSMUD6VM1121
Content Management		
Universal Content Management		
Content Server		
Oracle Universal Content Management - Content Server (UCM_server1)	Up	OFSMUD6VM1121

Below the tables is the 'Farm Resource Center' section, which includes links for 'Before You Begin', 'Typical Administration Tasks', and 'Other Resources'.

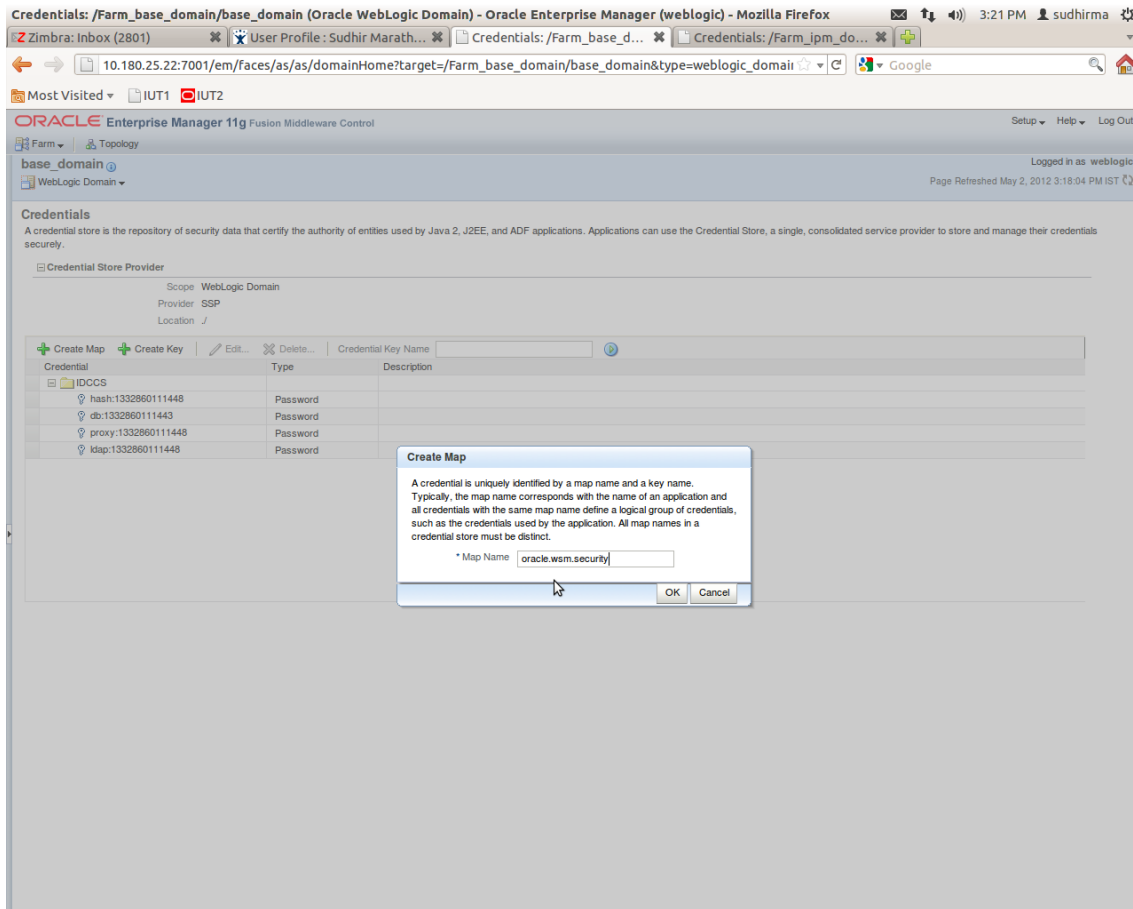
3. In the top menu, **click Weblogic Domain**. The corresponding menu appears.
4. Navigate to **Security > Credentials**. The Credentials page appears.

Figure 7–37 Navigate to Weblogic Domain --> Security --> Credentials



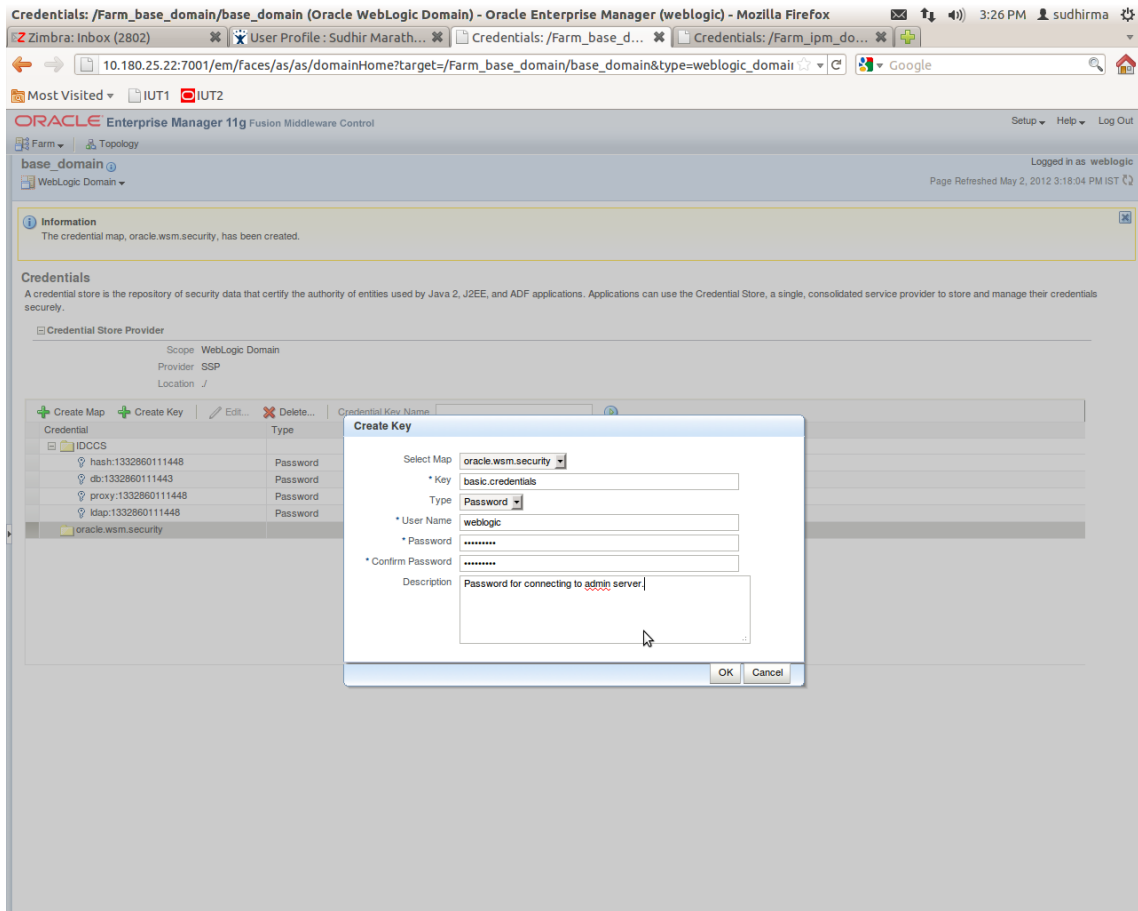
5. Click **Create Map** to create a map with the **Map Name** as **oracle.wsm.security**.

Figure 7–38 Create Map oracle.wsm.security



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

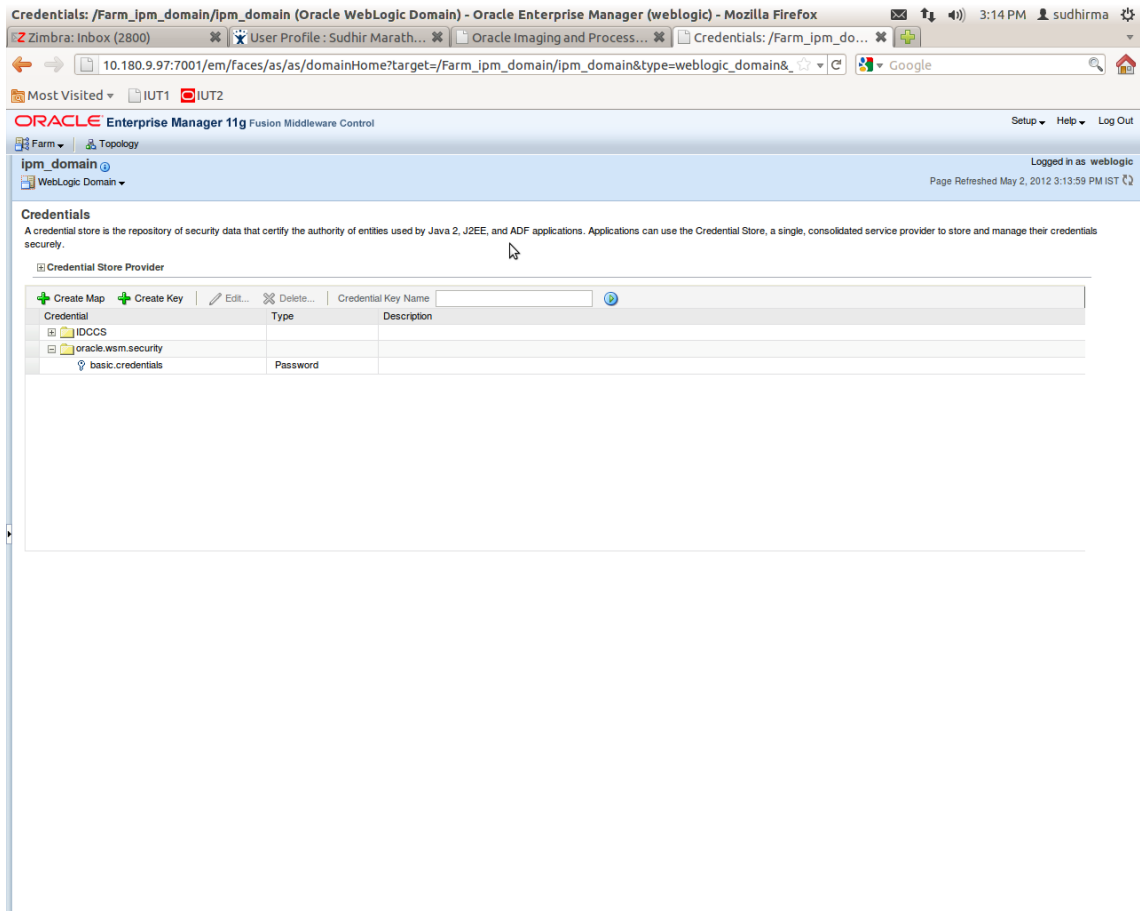
Figure 7–39 Create Key basic.credentials



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.

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

Figure 7–40 ipm_domain: Credentials Created



7.2.3 Setting up Input Agent Path

To set up input agent path:

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

Figure 7-41 Navigate to Weblogic Domain --> System MBean Browser

The screenshot displays the Oracle Enterprise Manager 11g Fusion Middleware Control interface. The browser address bar shows 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 "ORACLE Enterprise Manager 11g Fusion Middleware Control". The user is logged in as "weblogic".

The left-hand navigation pane is expanded to show the "System MBean Browser" option. The main content area displays a summary of the WebLogic Domain, including a status indicator showing "Down (3)" and "Up (3)" servers. Below this, a table lists the servers and their status:

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

The right-hand pane shows the "Deployments" section, which lists various application deployments and their status. The table below shows the deployment details:

Name	Status	Target
Application Deployments		
Internal Applications		
imaging	Up	IPM_server1
Oracle UCM Help	Up	UCM_server1
Oracle UCM Native Web Services	Up	UCM_server1
Oracle UCM Web Services	Up	UCM_server1

- 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 7–42 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 the path `oracle.imaging:Location=IPM_server1,type=config` selected. The right pane shows the configuration for the `InputAgentRetryCount` attribute, which is highlighted in red. The configuration table is as follows:

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

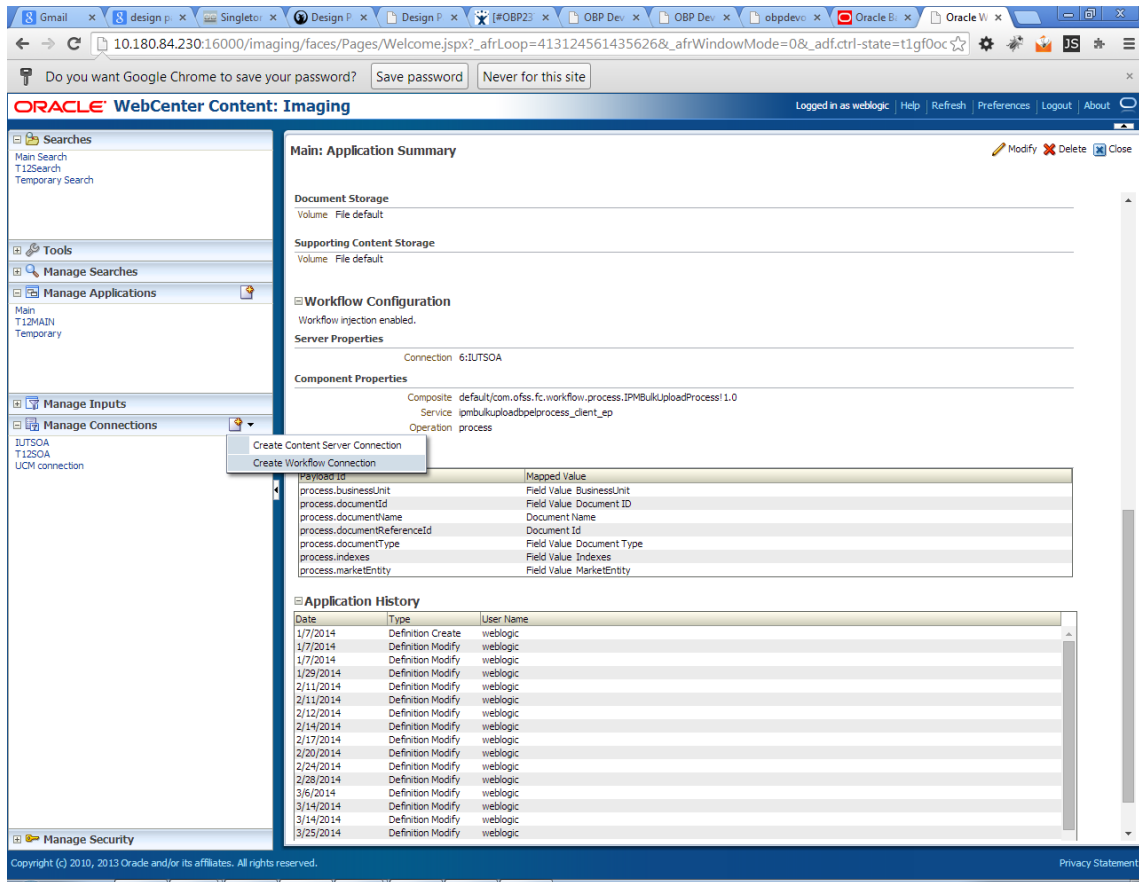
7. Restart IPM server.

7.2.4 Create SOA Connection

To create a SOA Connection:

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

Figure 7–43 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 7–44 IUTSOA: Basic Information

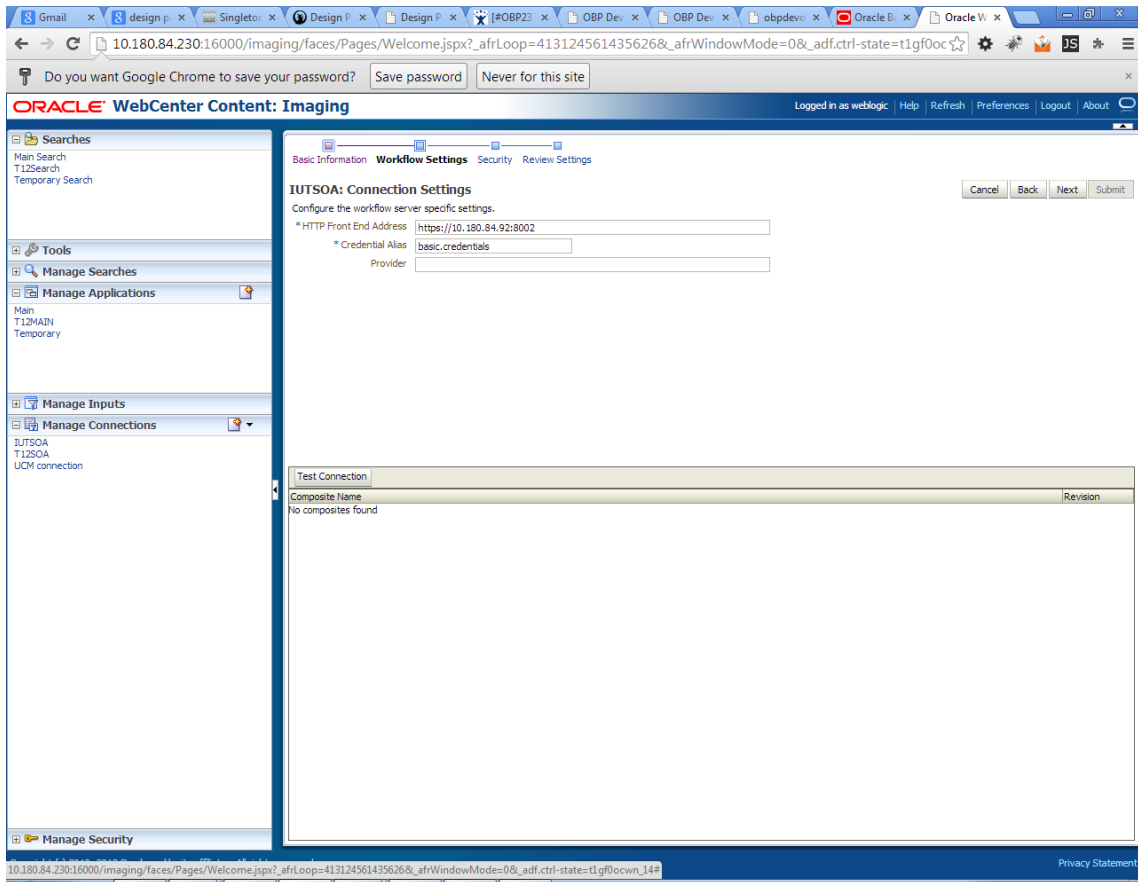
The screenshot shows the Oracle WebCenter Content: Imaging interface. The browser address bar displays the URL: 10.180.84.230:16000/imaging/faces/Pages/Welcome.jspx?_afrcLoop=413124561435626&_afrcWindowMode=0&_adf.ctrl-state=t1gf0ocwn_14#. The page title is "ORACLE WebCenter Content: Imaging". The user is logged in as "weblogic". The main content area is titled "IUTSOA: Basic Information" and contains the following fields:

- Name:** IUTSOA
- Description:** IUT SOA server
- Connection Type:** Workflow Connection

Navigation buttons include "Cancel", "Back", "Next", and "Submit". The left sidebar contains navigation options: Searches, Tools, Manage Searches, Manage Applications, Manage Inputs, Manage Connections, and Manage Security.

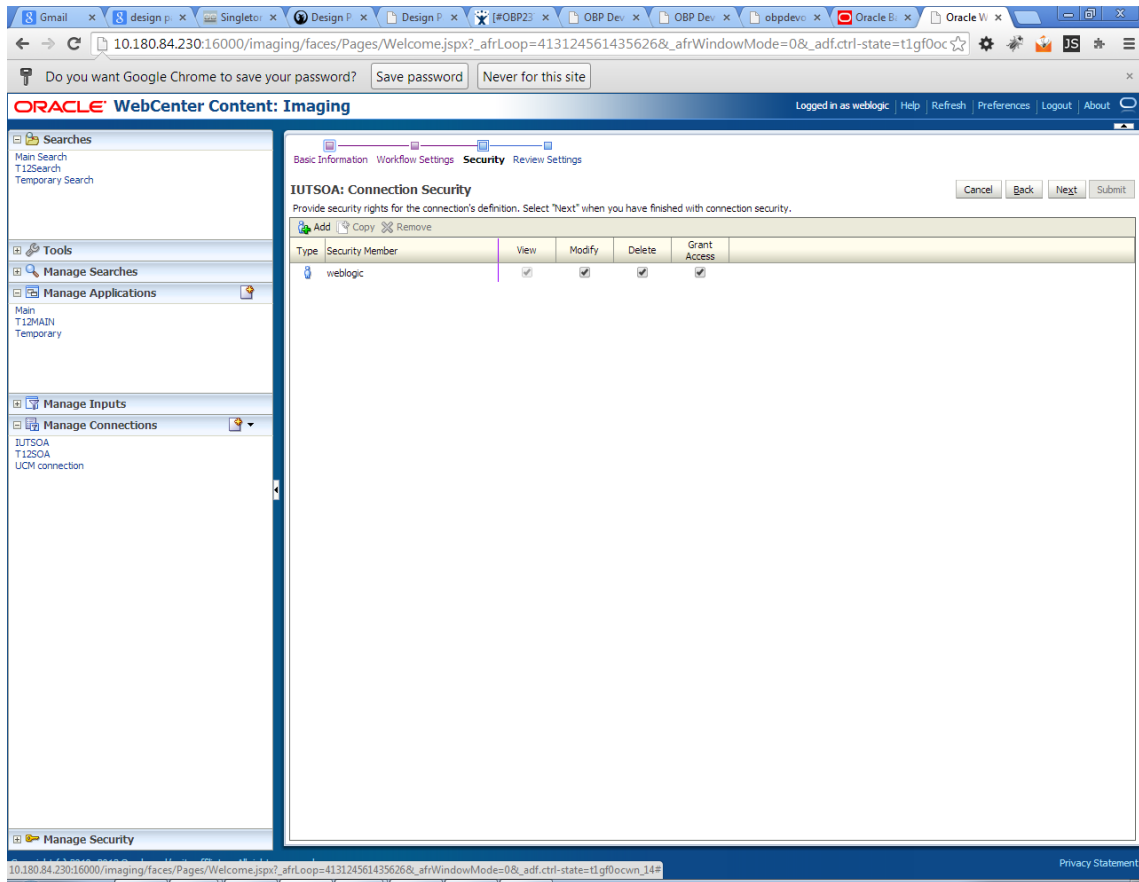
5. In the **HTTP Front End Address** field, enter the value for SOA server.

Figure 7–45 IUTSOA: Workflow Settings



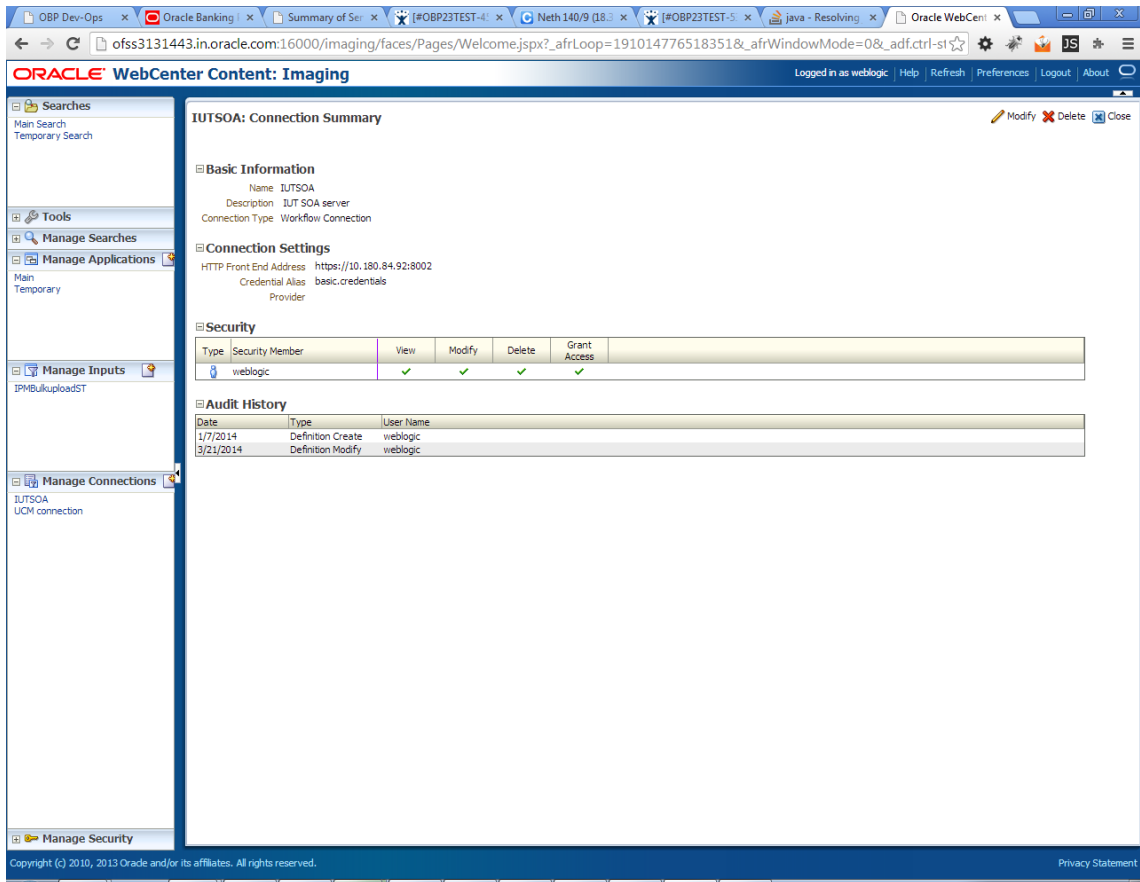
6. In the **Credential Alias** field, enter the value as **basic.credentials**.
7. Click **Next** to proceed. The Connection Security page appears.

Figure 7–46 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 7–47 IUTSOA: Review Settings



7.2.5 Manage Workflow Configuration

To manage workflow configuration:

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

Figure 7–48 Main: Application Summary

The screenshot displays the Oracle WebCenter Content: Imaging interface. The main content area is titled "Main: Application Summary" and includes the following 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 status.
- Application Security:** A table showing security members and their permissions (View, Modify, Delete, Grant Access).
- Document Security:** A table showing security members and their permissions (View, Write, Delete, Grant Access, Lock Admin, Annotate Standard, Annotate Restricted, Annotate Hidden).

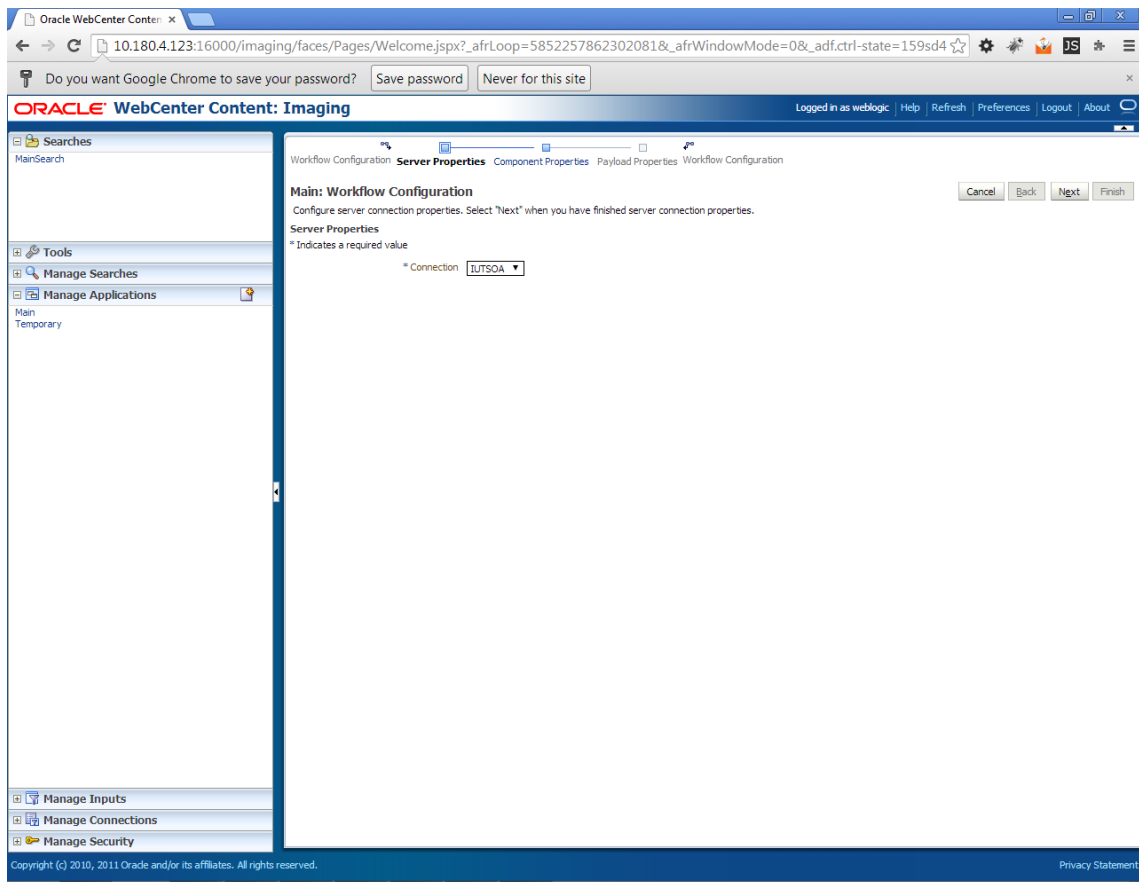
Type	Name	Length	Scale	Required	Indexed	Default Value	Picklist
Abc	Document Type	80			✓		
Abc	Customer Id	80			✓		
Abc	Document ID	80			✓		
Abc	Document Descr...	80			✓		
Abc	SUBMISSION	80			✓		
Abc	APPLICATION	80			✓		
Abc	COLLATERAL	80			✓		
Abc	PARTY	80			✓		
Abc	FACILITY	80			✓		
Abc	PRODUCT_GROUP...	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	✓							

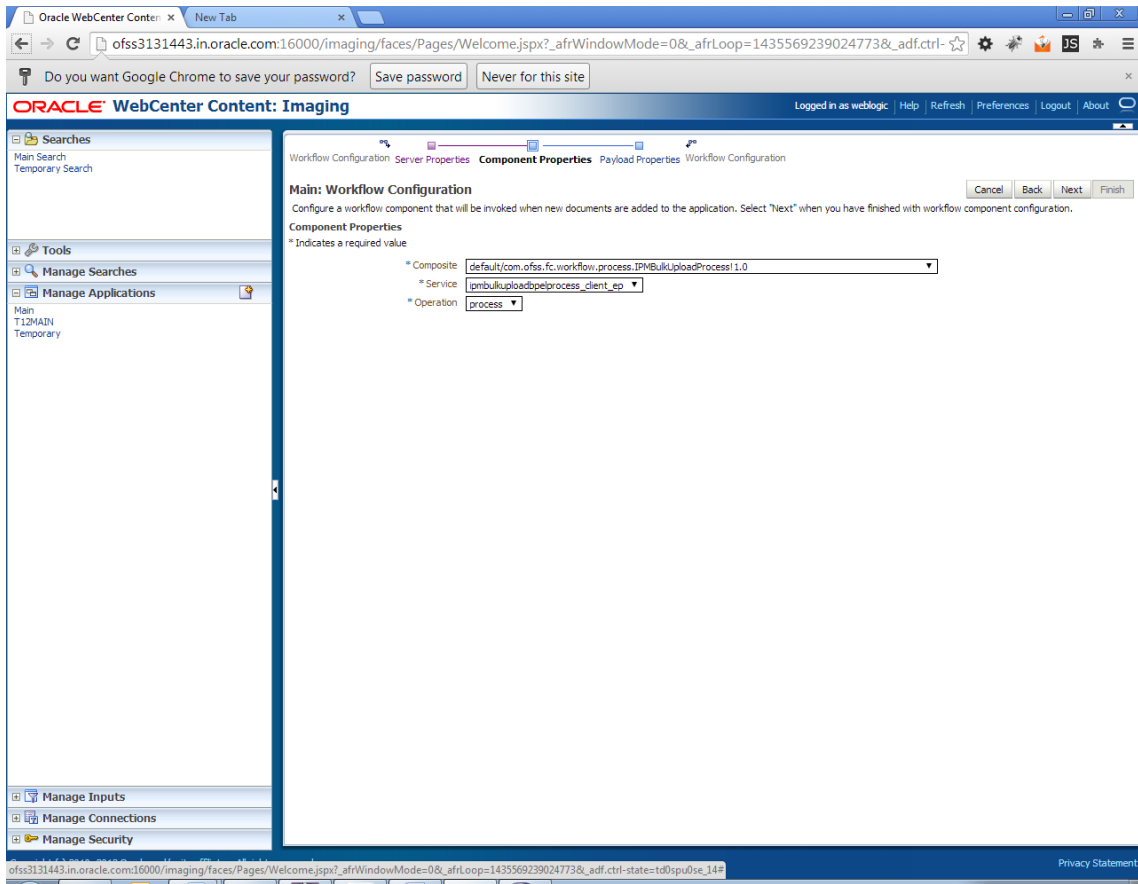
3. Select the application for which workflow configuration has to be done as shown in Figure 7–48.
4. Click **Modify**.
5. Navigate to the Workflow Configuration section.
6. Click the **Add/Modify** button.
7. In the Server Properties section, select the connection (IUTSOA) which was created in **Manage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

Figure 7–49 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 7–50 Manage Applications - Component Properties

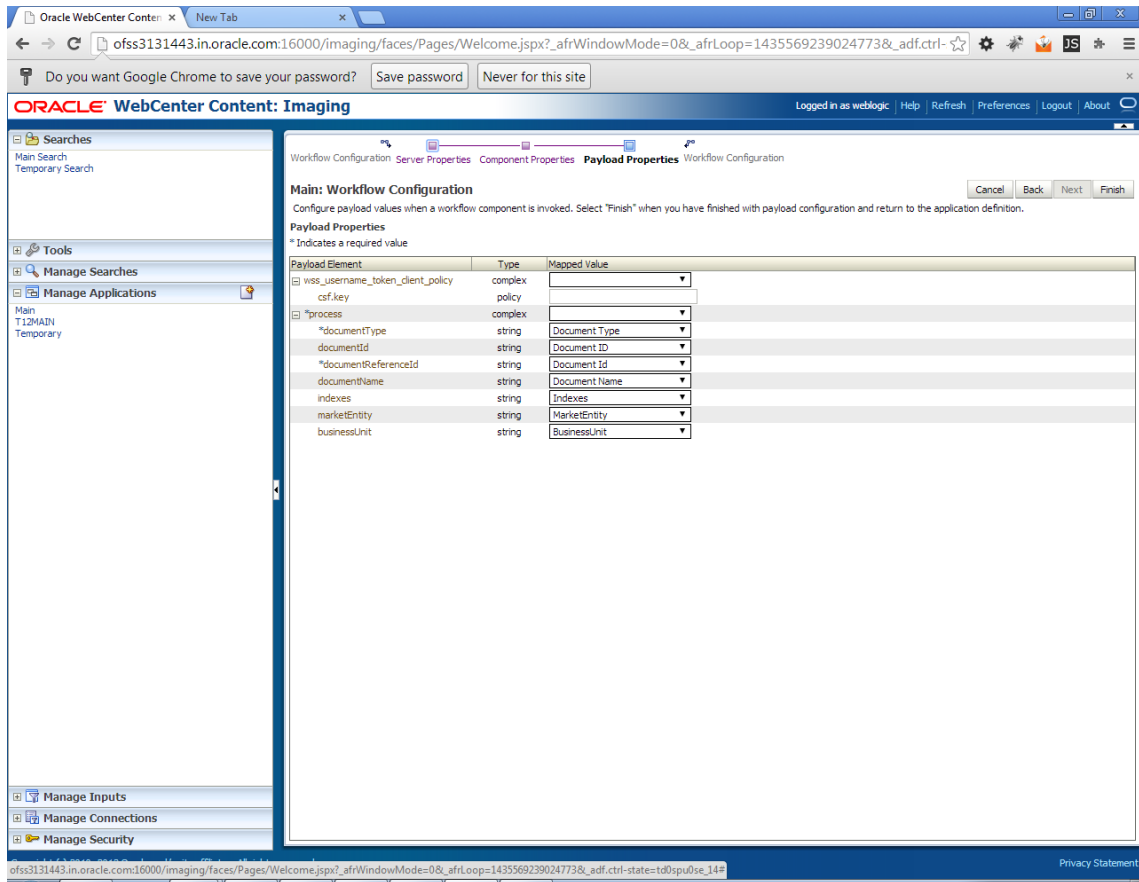


13. Click **Next**.
14. In the Payload Properties section, map the payload elements with mapped value as shown in following figure.
15. Map the process fields with application field definitions.

Note

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

Figure 7–51 Manage Applications - Payload Properties



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

Figure 7–52 Manage Applications - Workflow Configuration

Oracle WebCenter Content: Imaging

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

Main: Workflow Configuration Cancel Back Next Submit

Configure workflow. If no workflow configuration has been defined, select "Add" to create a new configuration. If a workflow configuration is defined, select "Modify" to change the configuration or "Delete" to delete the configuration. Select "Next" when you have finished with workflow configuration.

Modify Delete Disable

Server Properties

Connection: 4:UTSOA

Component Properties

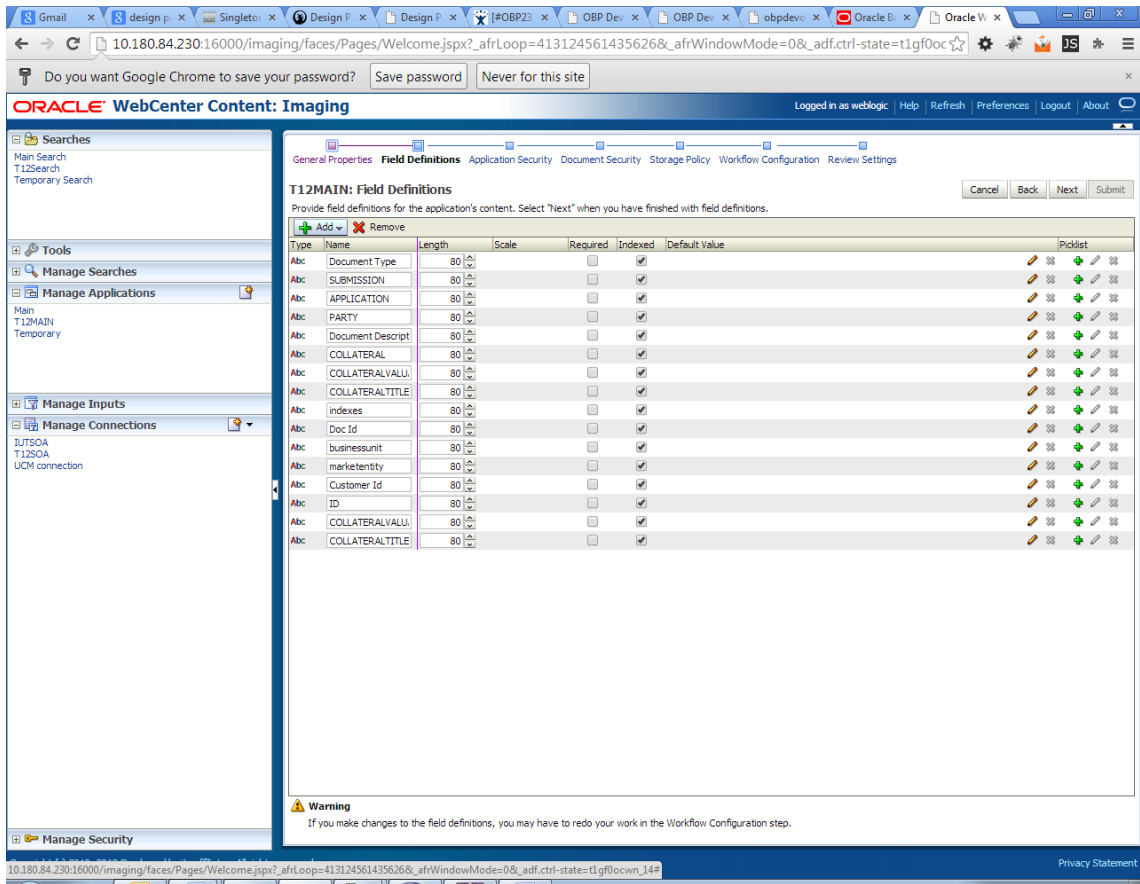
Composite: default/com.ofss.fc.workflow.process.IPMBulkUploadProcess! 1.0
 Service: ipmbulkuploadpebprocess_client_ep
 Operation: process

Payload Properties

Payload Id	Mapped Value
process.documentType	Field Value Document Type
process.documentId	Field Value DocId
process.documentReferenceId	Document Id
process.documentName	Document Name
process.indexes	Field Value Indexes
process.marketEntry	Field Value MarketEntry
process.businessUnit	Field Value BusinessEntry

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

Figure 7–53 Field Definitions



The Main Application Summary appears as shown Figure 7–54.

Figure 7–54 Main: Application Summary

The screenshot shows the Oracle WebCenter Content: Imaging interface. The main content area is titled "Main: Application Summary" and contains the following sections:

- Storage Policy**: Document Storage (Volume: File default), Supporting Content Storage (Volume: File default).
- Workflow Configuration**: Workflow injection enabled.
- Server Properties**: Connection: 6:ILTSOA.
- Component Properties**: Composite: default/com.ofss.fc.workflow.process.IPMBulkUploadProcess1.0, Service: ipmbulkuploadbeprocess_client_ep, Operation: process.
- Payload Properties**: A table mapping payload IDs to field values.

Payload Id	Mapped Value
process.documentType	Field Value Document Type
process.documentId	Field Value Document ID
process.documentReferenceId	Document Id
process.documentName	Document Name
process.indexes	Field Value Indexes
process.marketEntity	Field Value MarketEntity
process.businessUnit	Field Value BusinessUnit
- Application History**: A table showing the history of application changes.

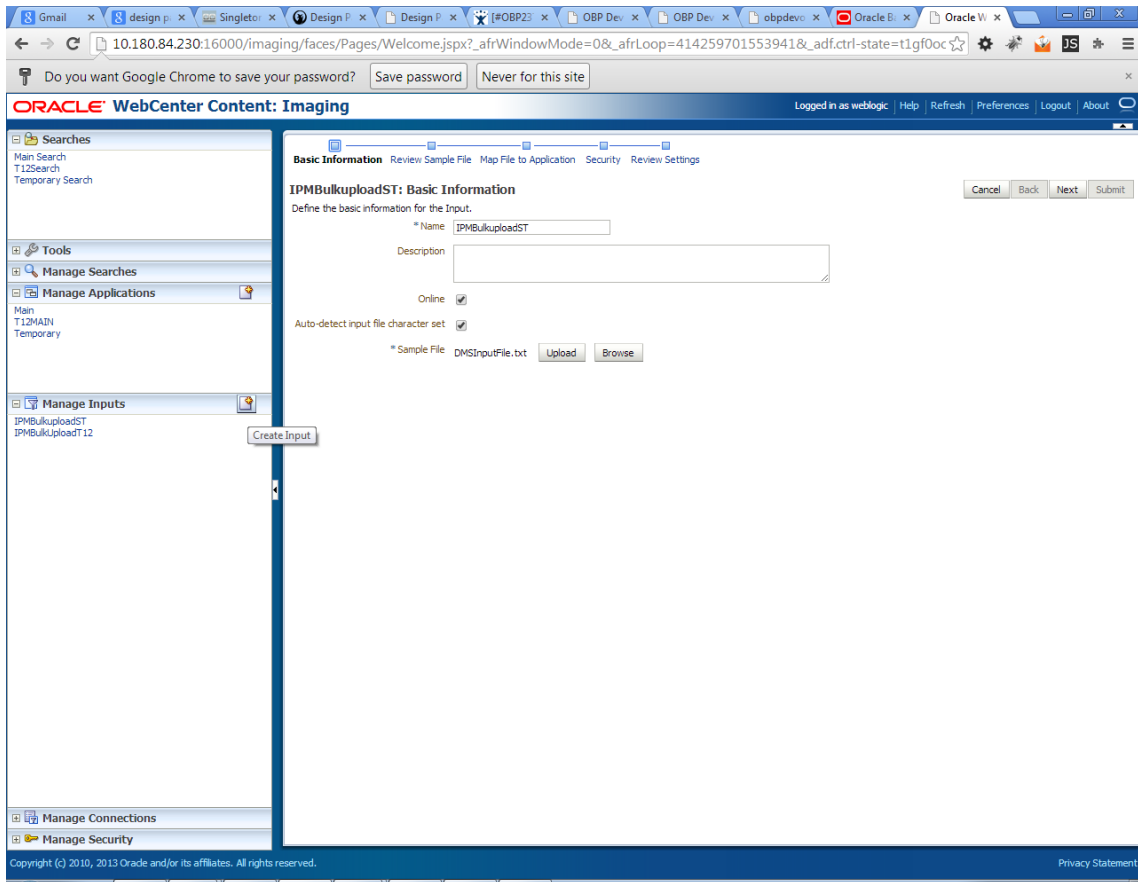
Date	Type	User Name
1/7/2014	Definition Create	weblogic
1/7/2014	Definition Modify	weblogic
1/7/2014	Definition Modify	weblogic
1/29/2014	Definition Modify	weblogic
2/11/2014	Definition Modify	weblogic
2/11/2014	Definition Modify	weblogic
2/12/2014	Definition Modify	weblogic
2/14/2014	Definition Modify	weblogic
2/17/2014	Definition Modify	weblogic
2/20/2014	Definition Modify	weblogic
2/24/2014	Definition Modify	weblogic
2/28/2014	Definition Modify	weblogic
3/5/2014	Definition Modify	weblogic
3/14/2014	Definition Modify	weblogic
3/14/2014	Definition Modify	weblogic
3/25/2014	Definition Modify	weblogic
3/25/2014	Definition Modify	weblogic

7.2.6 Manage Inputs for Input Agents

To manage workflow configuration:

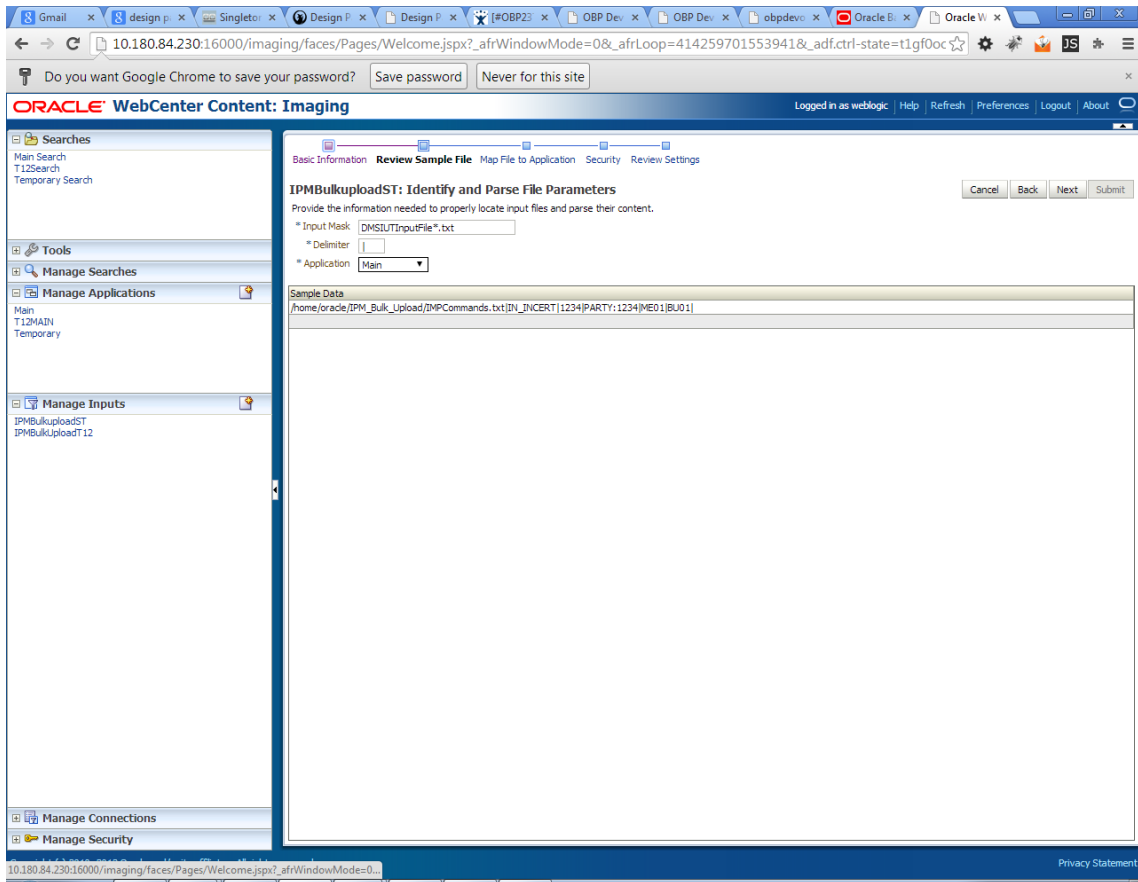
1. Log in to Image Processing Management (IPM).
2. Navigate to **Manage Inputs** section.

Figure 7–55 Input Agent: Basic Information



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

Figure 7–56 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';
```

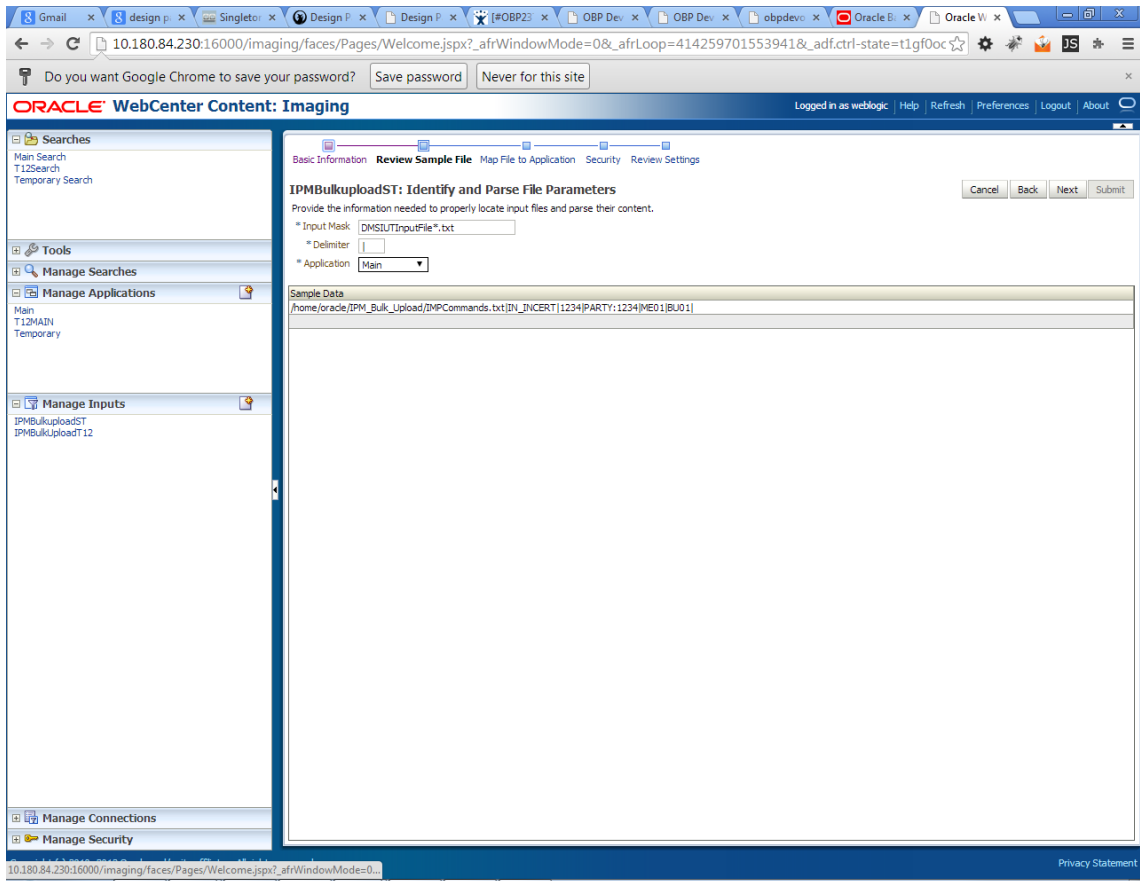
Note

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).

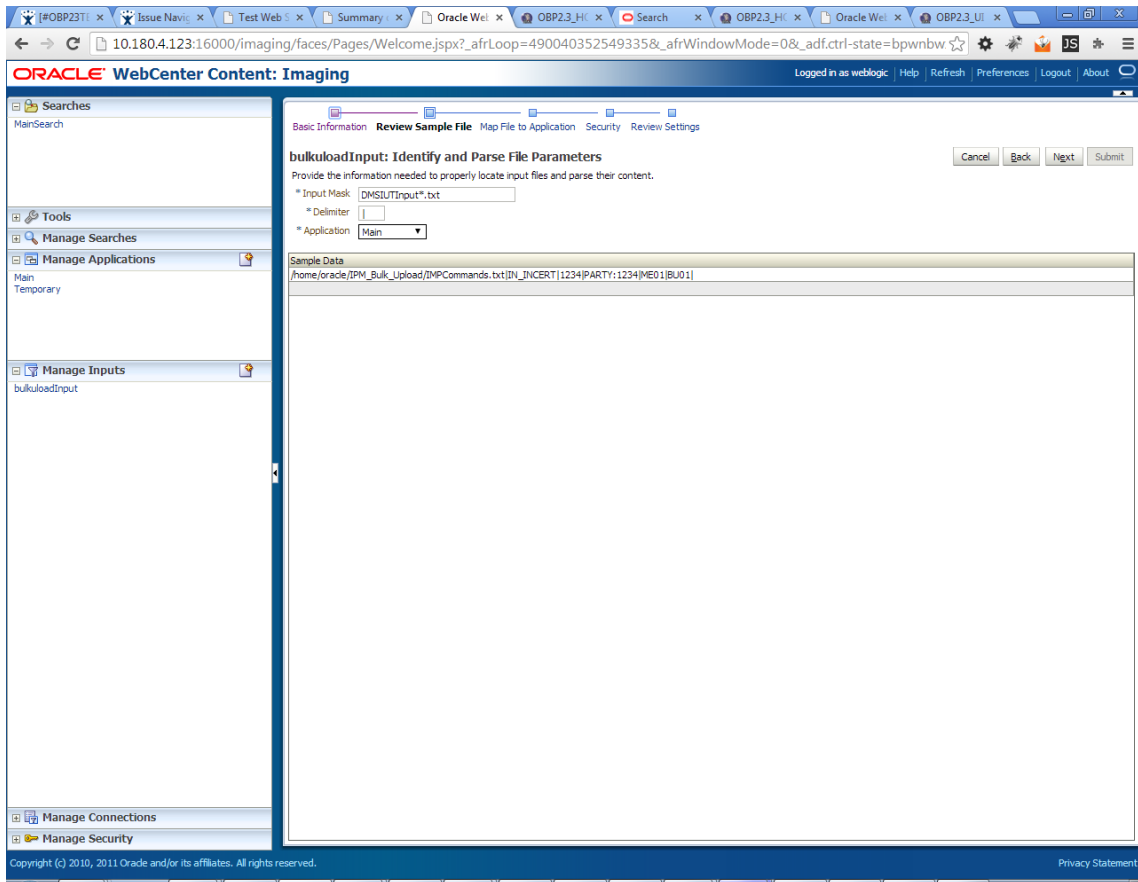
8. From the **Application** field, select the application to which the input agent will be applied.

Figure 7–57 Input Agent: File Parameters



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

Figure 7–58 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 7–59.

Figure 7–59 Input Agent: Summary

The screenshot shows the Oracle WebCenter Content: Imaging interface. The main content area is titled "bulkloadInput: Field Mapping" and contains a table for defining field mappings. The table has the following columns: Application Fields, Input Column, Sample Data, Use Application Default, and Date Format. The "Input Column" column contains dropdown menus with "Column 1" through "Column 6" selected. The "Sample Data" column contains values like "/home/oracle/IPM_Bulk_Upload/IMPCo...", "IN_JNCERT", "1234", "PARTY:1234", "ME01", and "BU01".

Application Fields	Input Column	Sample Data	Use Application Default	Date Format
File Path	Column 1	/home/oracle/IPM_Bulk_Upload/IMPCo...		
Document Type	Column 2	IN_JNCERT		
Customer Id	Column 3	1234		
DocId	Column 3			
DocName	Column 3			
Indexes	Column 4	PARTY:1234		
MarketEntity	Column 5	ME01		
BusinessEntity	Column 6	BU01		
PARTY				
COLLATERALTITLESEARCHR...				
COLLATERALVALUATIONRE...				
CHARGE CODE				
PRODUCT_GROUP_LINKAGE				
Document Description				
SUBMISSION				
LINKAGE ID				
COLLATERALCONDITIONLET...				
COLLATERALVALUATIONREP...				
SUBMISSIONID				
INSTRUMENTTYPE				
COLLATERALTITLESEARCHR...				
ACCOLUNT_ID				
BRANCH				
COLLATERAL ID				
BORROWING ENTITY				
APPLICATION				
COLLATERAL				
FACILITY				

Note

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

7.2.7 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 7–1 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 7–60 flx_fw_config_all_b table

The screenshot shows the Oracle SQL Developer interface with a query executed against the flx_fw_config_all_b table. The query result is displayed in a table with the following data:

PROP_ID	CATEGORY_ID	PROP_VALUE	FACTORY_SHIPPE
1 BULK_UPLOAD_FILE_NAME_PREFIX	reports	DMSIUIInputFile	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/ORAQCF	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_TYPE	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.

7.2.8 SSL Handshake Resolution

For resolving the SSLHandshake between IPM and SOA server:

7.3 IPM Report Upload Setup

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.

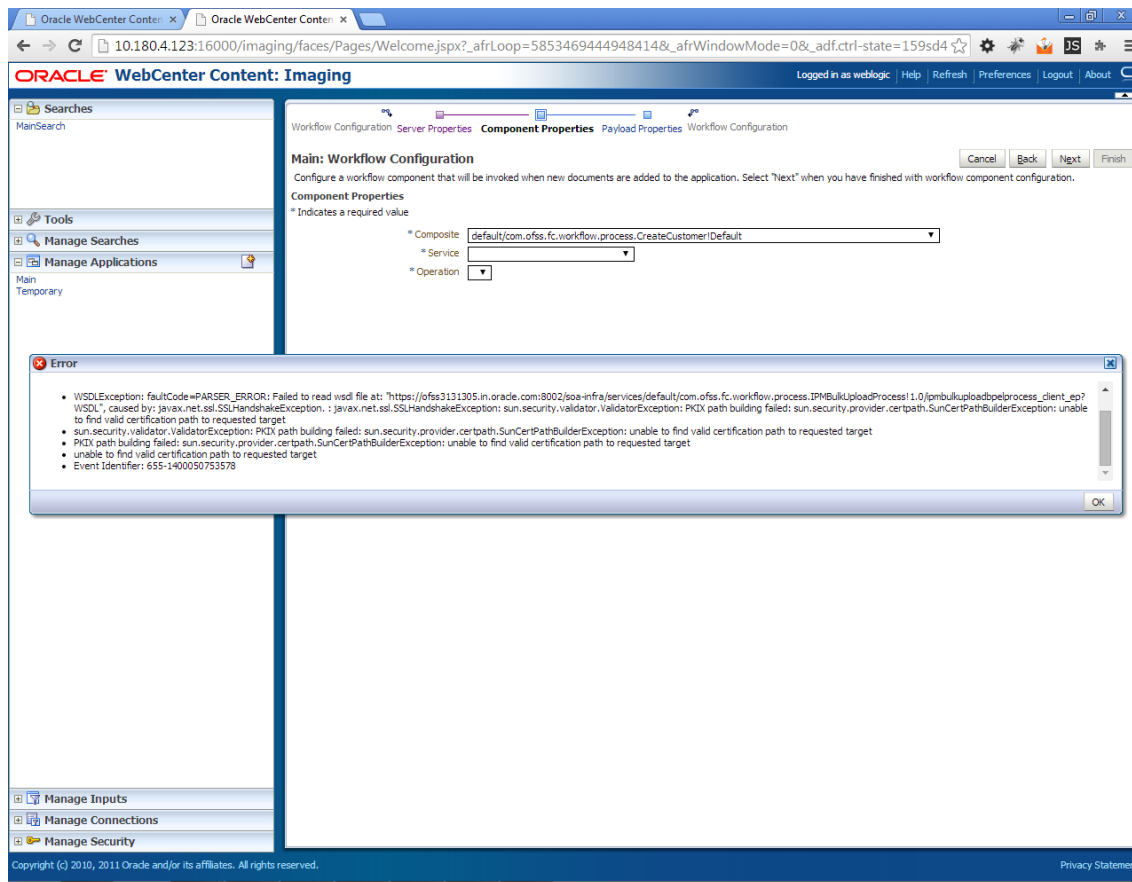
```
keytool -import -noprompt -trustcacerts -alias UI_SSL_trustself -file SOACert.cer -keystore cacerts -storepass changeit
```

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 7–61 SSL Handshake Resolution



7.3 IPM Report Upload Setup

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

7.3.1 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.

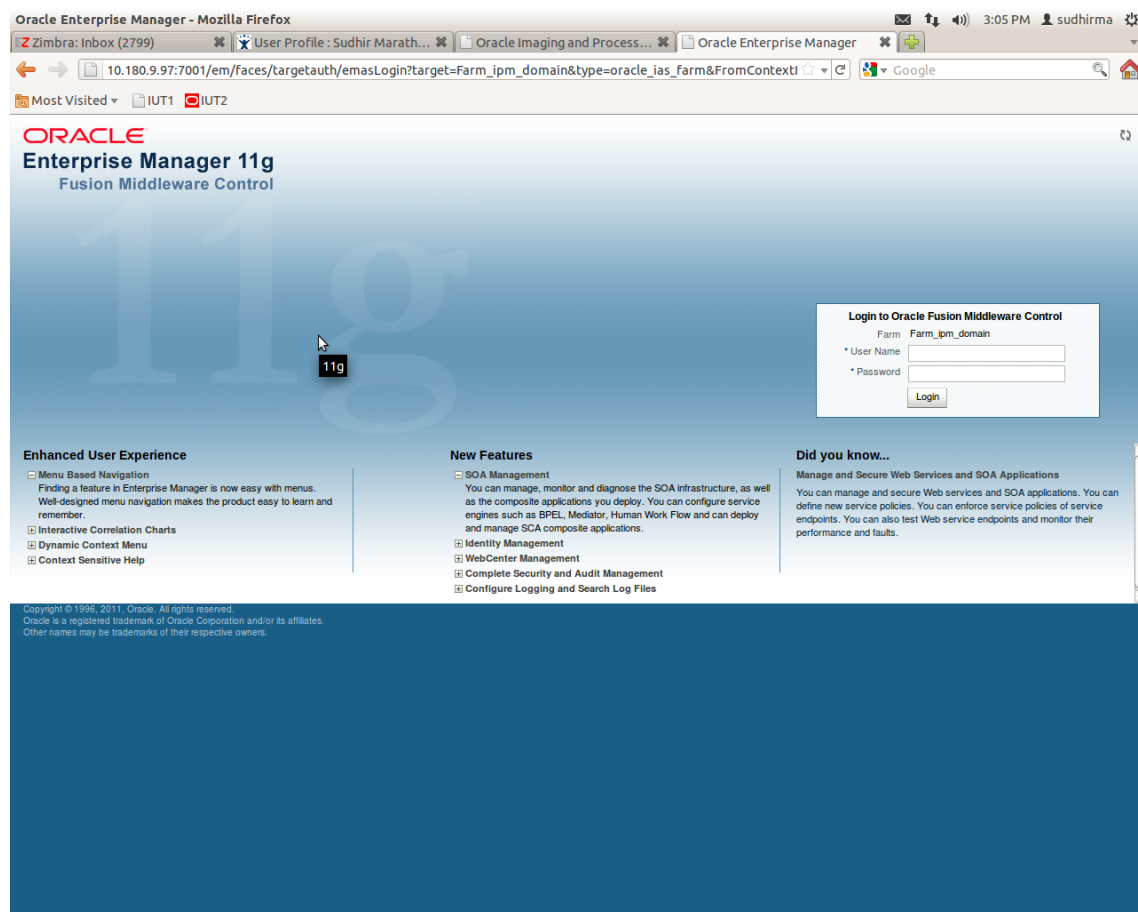
7.3.2 Setting up the Connection Name

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 7–62 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 7–63 Click Weblogic Domain: ipm domain

The screenshot displays the Oracle Enterprise Manager 11g Fusion Middleware Control interface. The main content area is divided into three panels:

- Deployments:** Shows a green progress indicator at 100% and a table of application deployments.

Name	Status	Target
Application Deployments		
Internal Applications		
Imaging	Up	IPM_server1
Oracle UCM Help	Up	UCM_server1
Oracle UCM Native Web Services	Up	UCM_server1
Oracle UCM Web Services	Up	UCM_server1
- Fusion Middleware:** Shows a pie chart with 57% green (Up) and 43% red (Down). Below it is a table of WebLogic Domain components.

Name	Status	Host
WebLogic Domain		
ipm_domain		
AdminServer	Up	OFSMUD6VM1121
IPM_server1	Down	OFSMUD6VM1121
SSDKA_server1	Down	OFSMUD6VM1121
UCM_server1	Up	OFSMUD6VM1121
URM_server1	Down	OFSMUD6VM1121
Content Management		
Universal Content Management		
Content Server		
Oracle Universal Content Management - Content Server (UCM_server1)	Up	OFSMUD6VM1121
- Farm Resource Center:** Contains links for 'Before You Begin', 'Typical Administration Tasks', and 'Other Resources'.

The URL at the bottom of the browser window is: http://10.180.9.97:7001/em/faces/as/...indowMode=0&_afRWindowId=u3eep7pw7_90#

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

Figure 7–64 Navigate to Weblogic Domain --> Security --> Credentials

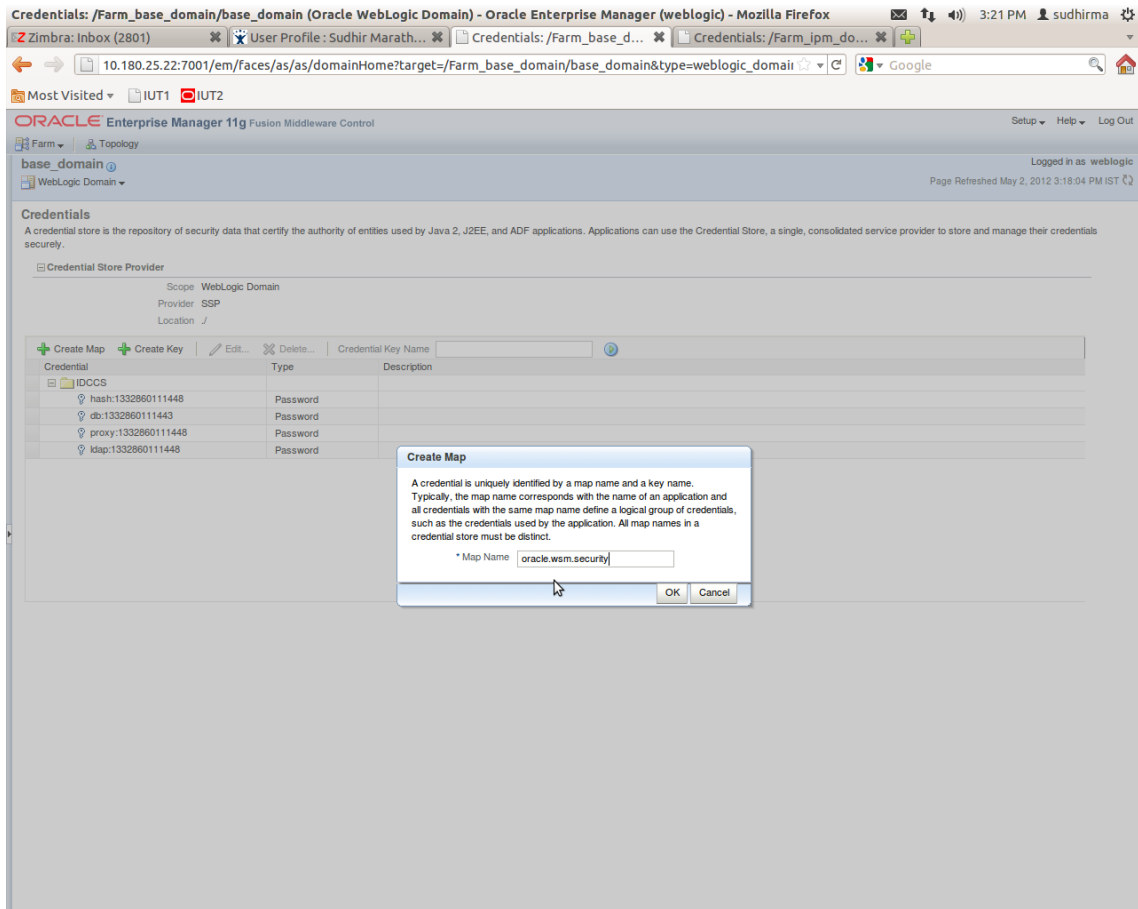
The screenshot shows the Oracle Enterprise Manager 11g Fusion Middleware Control interface. The browser address bar indicates the URL: `10.180.9.97:7001/em/faces/as/as/domainHome?target=/Farm_ipm_domain/ipm_domain&type=weblogic_domain&...`. The page title is `/Farm_ipm_domain/ipm_domain (Oracle WebLogic Domain) - Oracle Enterprise Manager (weblogic) - Mozilla Firefox`. The user is logged in as `weblogic`. The interface shows the `ipm_domain` selected in the left-hand navigation pane. A dropdown menu is open under `Security`, with `Credentials` selected. The main content area displays a table of `Application Deployments` with columns for `Name`, `Status`, and `Target`. The table contains the following data:

Name	Status	Target
Application Deployments		
Internal Applications		
imaging	Up	IPM_server1
Oracle UCM Help	Up	UCM_server1
Oracle UCM Native Web Services	Up	UCM_server1
Oracle UCM Web Services	Up	UCM_server1

Below the table, there is a section titled `Oracle WebLogic Domain Resource Center` with sub-sections: `Before You Begin`, `Typical Administration Tasks`, and `Other Resources`.

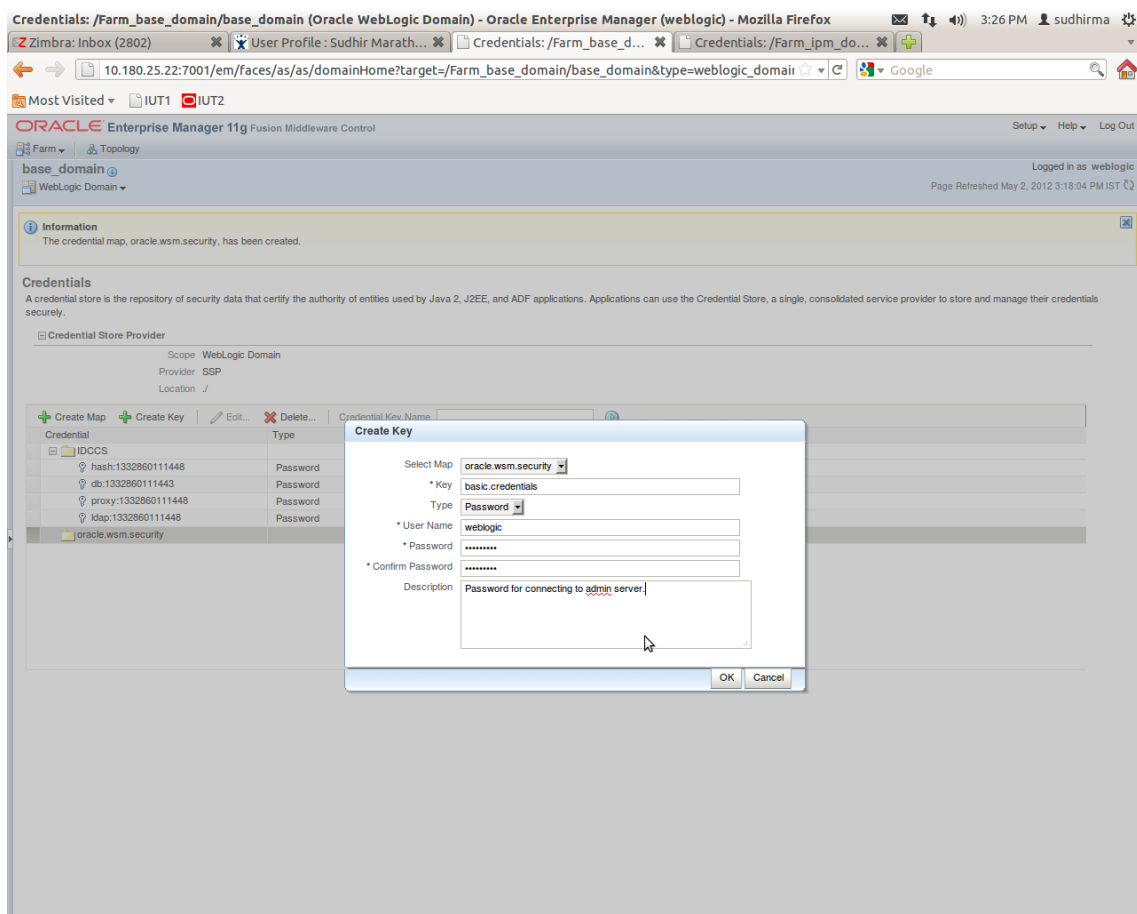
5. Click **Create Map** to create a map with the **Map Name** as `oracle.wsm.security`.

Figure 7–65 Create Map oracle.wsm.security



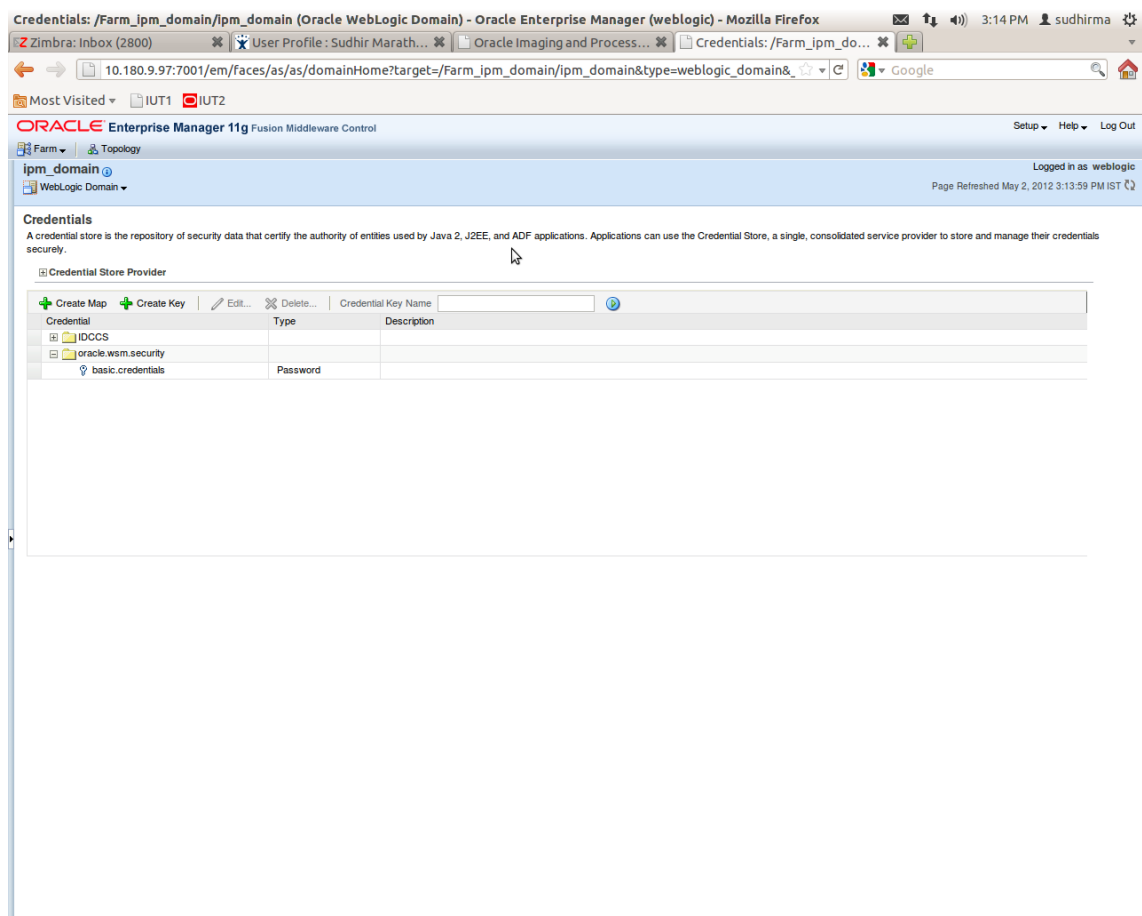
6. Click **Create Key** to create a key under the map **oracle.wsm.security**.

Figure 7–66 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 7–67 ipm_domain: Credentials Created



7.3.3 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 7–68 Navigate to Weblogic Domain --> System MBean Browser

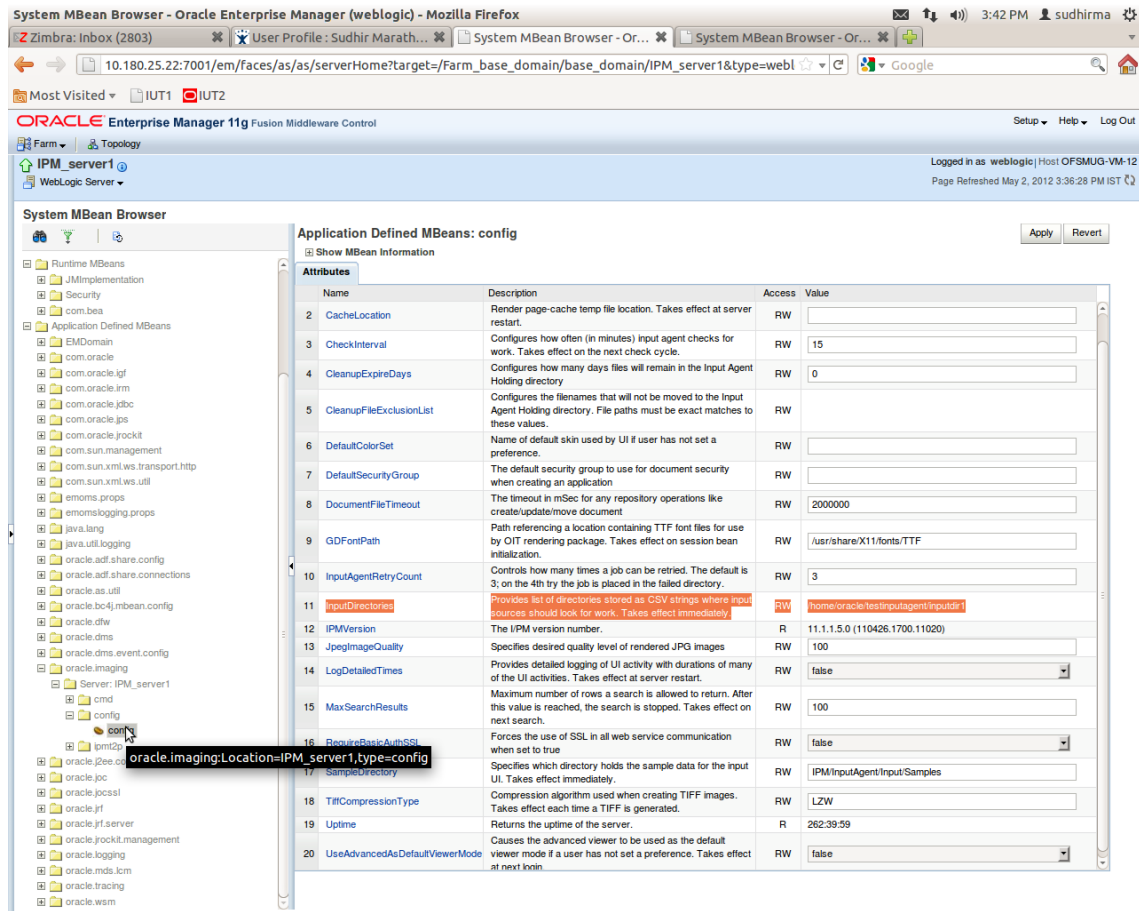
The screenshot shows the Oracle Enterprise Manager 11g Fusion Middleware Control interface. The left-hand navigation pane is open, and the 'System MBean Browser' option is highlighted. The main content area displays the 'ipm_domain' configuration, including a table of servers and their status.

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

The 'System MBean Browser' option is highlighted in the left-hand navigation pane. The main content area shows the 'ipm_domain' configuration, including a table of servers and their status. The 'System MBean Browser' option is highlighted in the left-hand navigation pane.

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 7–69 InputDirectories: Enter Input Agent Path



8. Restart IPM server.

7.3.4 Create SOA Connection

To create a SOA Connection:

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

Figure 7–70 Manage Connections: Create Workflow Connection

The screenshot displays the Oracle WebCenter Content: Imaging interface. The main content area is titled "Report: Application Summary" and includes the following sections:

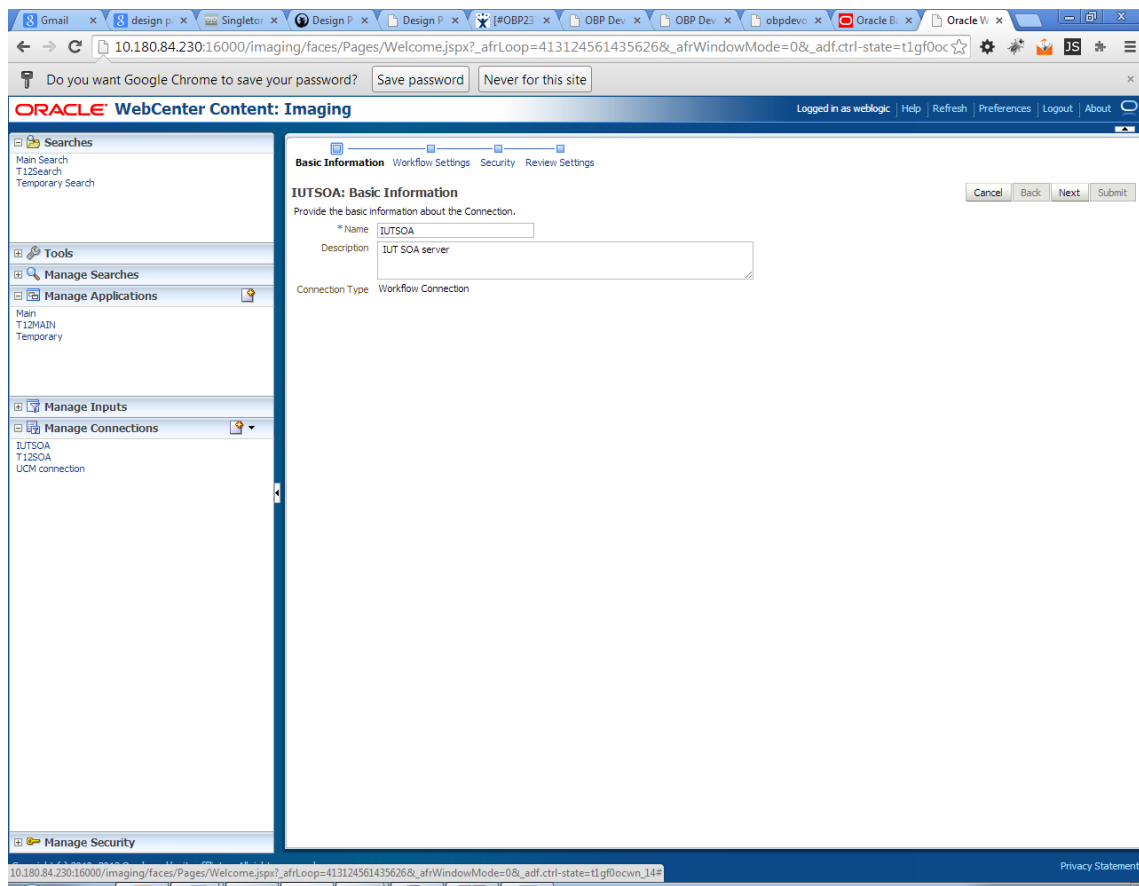
- Storage Policy:** Document Storage (Volume: File default) and Supporting Content Storage (Volume: File default).
- Workflow Configuration:** Workflow injection enabled. Server Properties: Connection 7:SMOKE_LZN_US.
- Component Properties:** Composite: default/com.ofss.fc.workflow.process.ReportIPMRefStoreProcess1.0; Service: reportipmrefstorebpeprocess_client_ep; Operation: process.
- Payload Properties:** A table mapping process fields to field values.
- Application History:** A table showing recent definition modifications.

Process Field	Mapped Value
process.bankCode	Field Value BANK_CODE
process.channel	Field Value CHANNEL
process.externalBatchNumber	Field Value EXTERNAL_BATCH_NUMBER
process.externalSystemAuditTrailNumber	Field Value EXTERNAL_SYSTEM_AUDIT_TRAIL_NUMBER
process.targetUnit	Field Value TARGET_UNIT
process.transactionBranch	Field Value TRANSACTION_BRANCH
process.userId	Field Value USER_ID
process.adhocReportRequestid	Field Value ADHOC_REPORT_REQUEST_ID
process.reportId	Field Value REPORT_ID
process.reportType	Field Value REPORT_TYPE
process.branchGroupCode	Field Value BRANCH_GROUP_CODE
process.reportRunDate	Field Value REPORT_RUN_DATE
process.contentReferenceId	Document Id
process.reportSplitkey	Field Value REPORT_SPLIT_KEY

Date	Type	User Name
10/26/2016 6:32:...	Definition Create	weblogic
10/27/2016 11:15:...	Definition Modify	weblogic
11/3/2016 1:02:5...	Definition Modify	weblogic
11/3/2016 1:50:4...	Definition Modify	weblogic
11/3/2016 10:43:...	Definition Modify	weblogic
11/3/2016 3:29:2...	Definition Modify	weblogic

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

Figure 7–71 IUTSOA: Basic Information



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

Figure 7–72 IUTSOA: Workflow Settings

The screenshot shows the Oracle WebCenter Content: Imaging interface. The left sidebar contains navigation menus for Searches, Tools, Manage Searches, Manage Applications, Manage Inputs, Manage Connections, and Manage Security. The main content area is titled "IUTSOA: Connection Settings" and includes tabs for Basic Information, Workflow Settings, Security, and Review Settings. The Workflow Settings tab is active, showing fields for HTTP Front End Address (http://10.180.84.92:8002), Credential Alias (basic.credentials), and Provider. A "Test Connection" button is visible. Below the form, a table shows "Composite Name" and "Revision" with the message "No composites found".

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

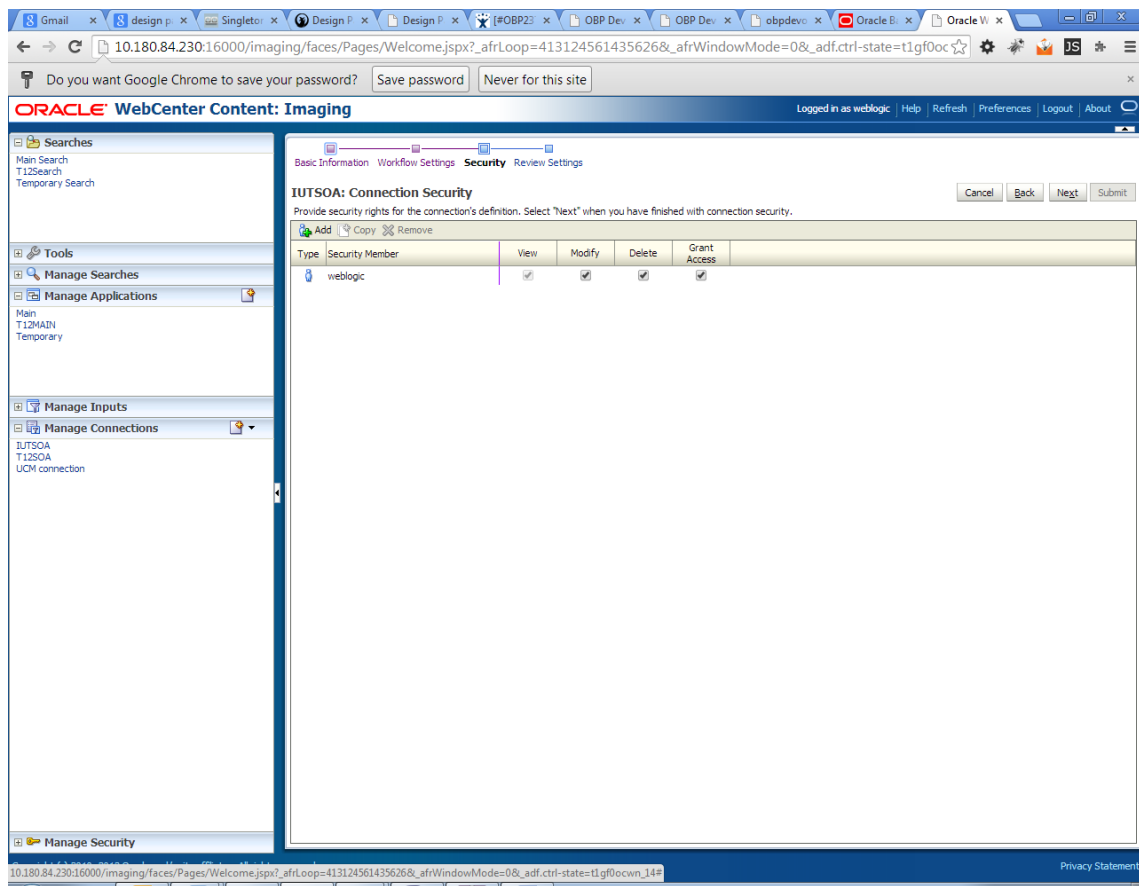
Cancel Back Next Submit

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 7–73 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 7–74 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 listing security members with columns for Type, Security Member, View, Modify, Delete, and Grant Access.
- Audit History:** A table listing audit events with columns for Date, Type, and User Name.

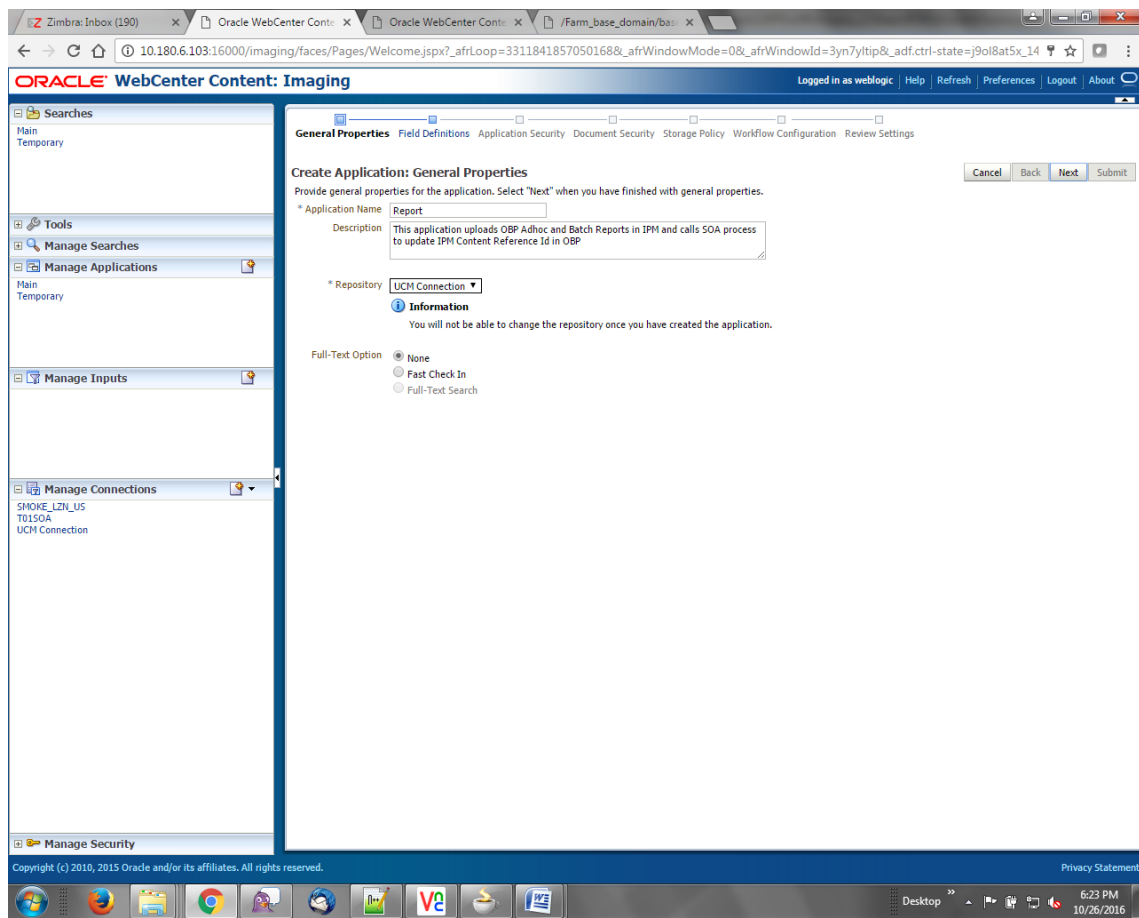
Type	Security Member	View	Modify	Delete	Grant Access
	weblogic	✓	✓	✓	✓

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

The left sidebar contains navigation options: Searches, Tools, Manage Searches, Manage Applications, Manage Inputs, and Manage Connections. The 'Manage Applications' section is currently selected, showing 'IUTSOA' and 'UCM connection'.

7.3.5 Manage Application Configuration

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

Figure 7–75 Create Application: General Properties

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

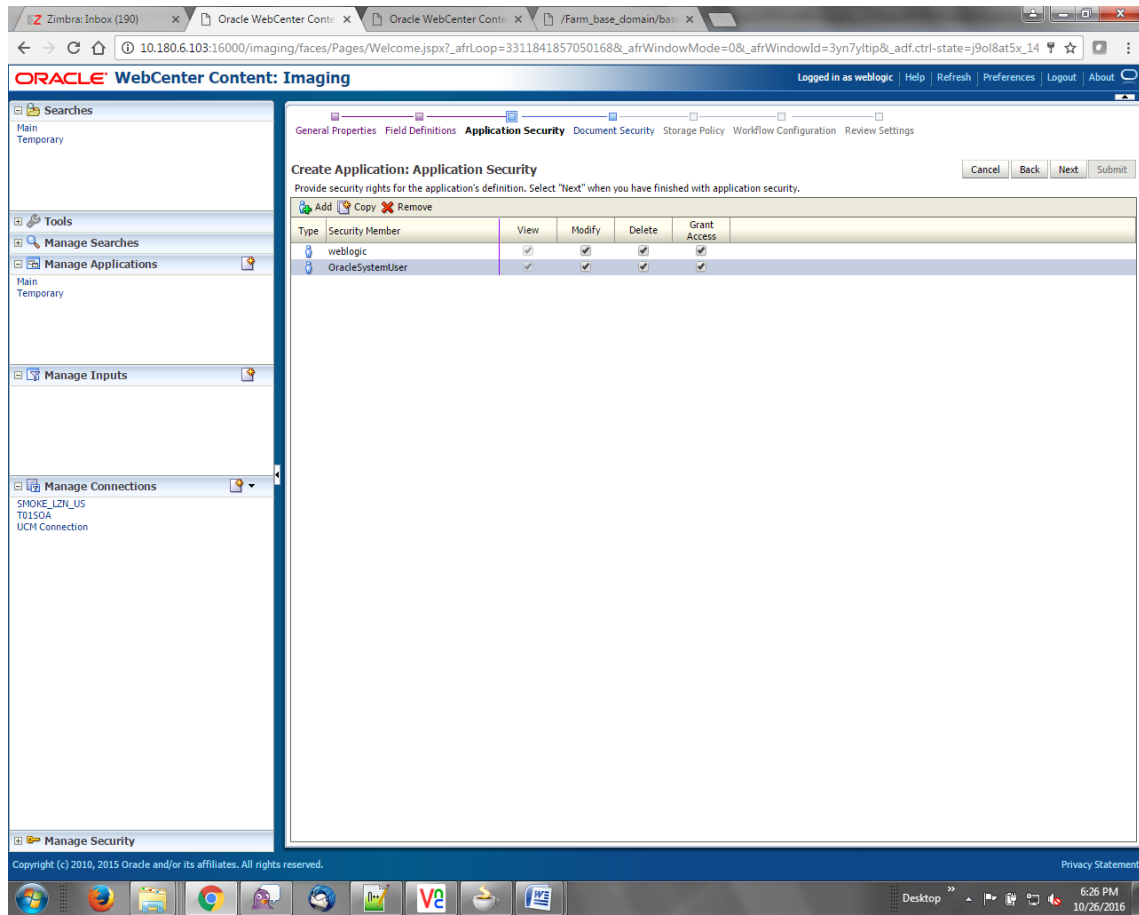
Figure 7–76 Report: Field Definitions

The screenshot shows the Oracle WebCenter Content: Imaging interface. The main content area is titled "Report: Field Definitions" and contains a table of field definitions. The table has the following columns: Type, Name, Length, Scale, Req, Inde, Default, and Value. The rows list various fields with their respective lengths and scales. The "Next" button is highlighted in the top right corner of the form area.

Type	Name	Length	Scale	Req	Inde	Default	Value
Abc	BANK_CODE	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	CHANNEL	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	EXTERNAL_BATCH_NUMBER	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	EXTERNAL_SYSTEM_AUDIT_TRAIL_NUMBER	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	TARGET_UNIT	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	TRANSACTION_BRANCH	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	USER_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	ADHOC_REPORT_REQUEST_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	REPORT_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	REPORT_TYPE	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	BRANCH_GROUP_CODE	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	REPORT_RUN_DATE	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	CONTENT_REFERENCE_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	FILE_PATH	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Abc	REPORT_SPLIT_KEY	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		

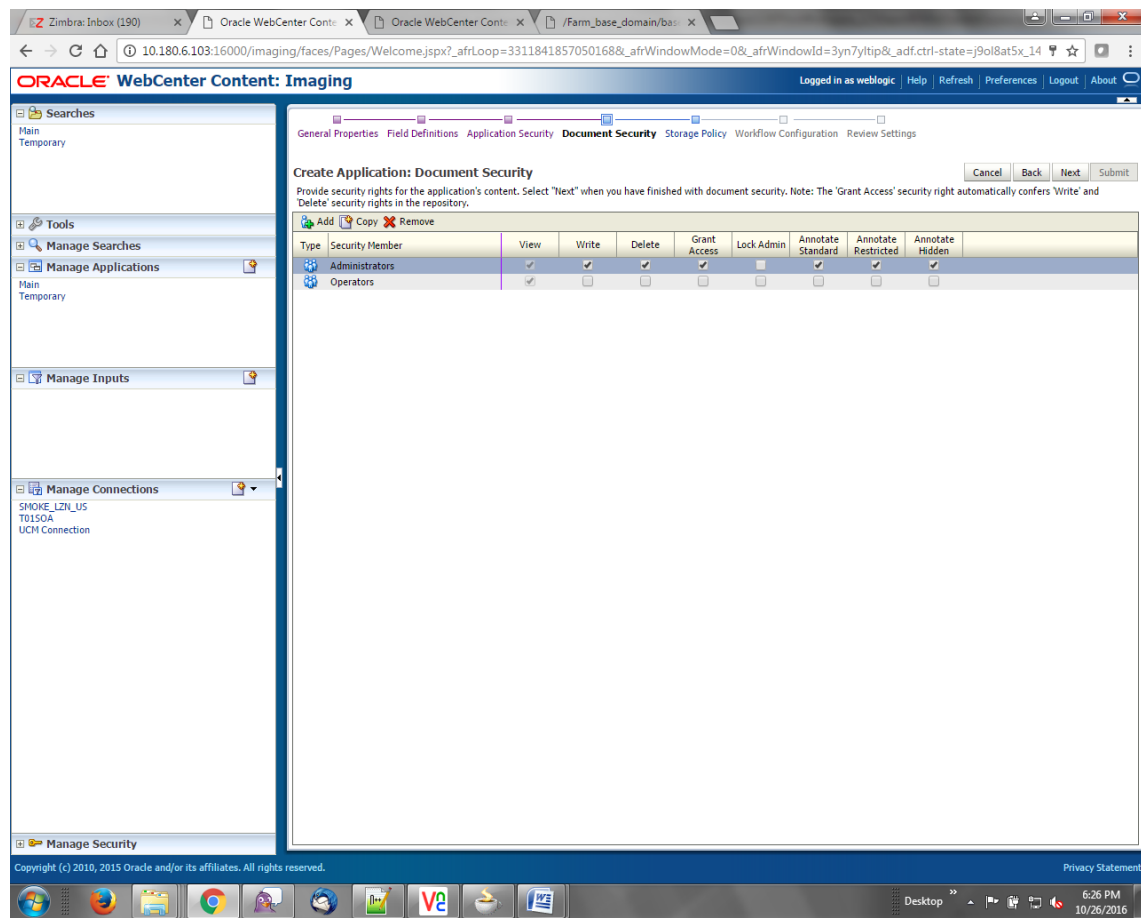
Warning
If you make changes to the field definitions, you may have to redo your work in the Workflow Configuration step.

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

Figure 7–77 Create Application: Applications Security

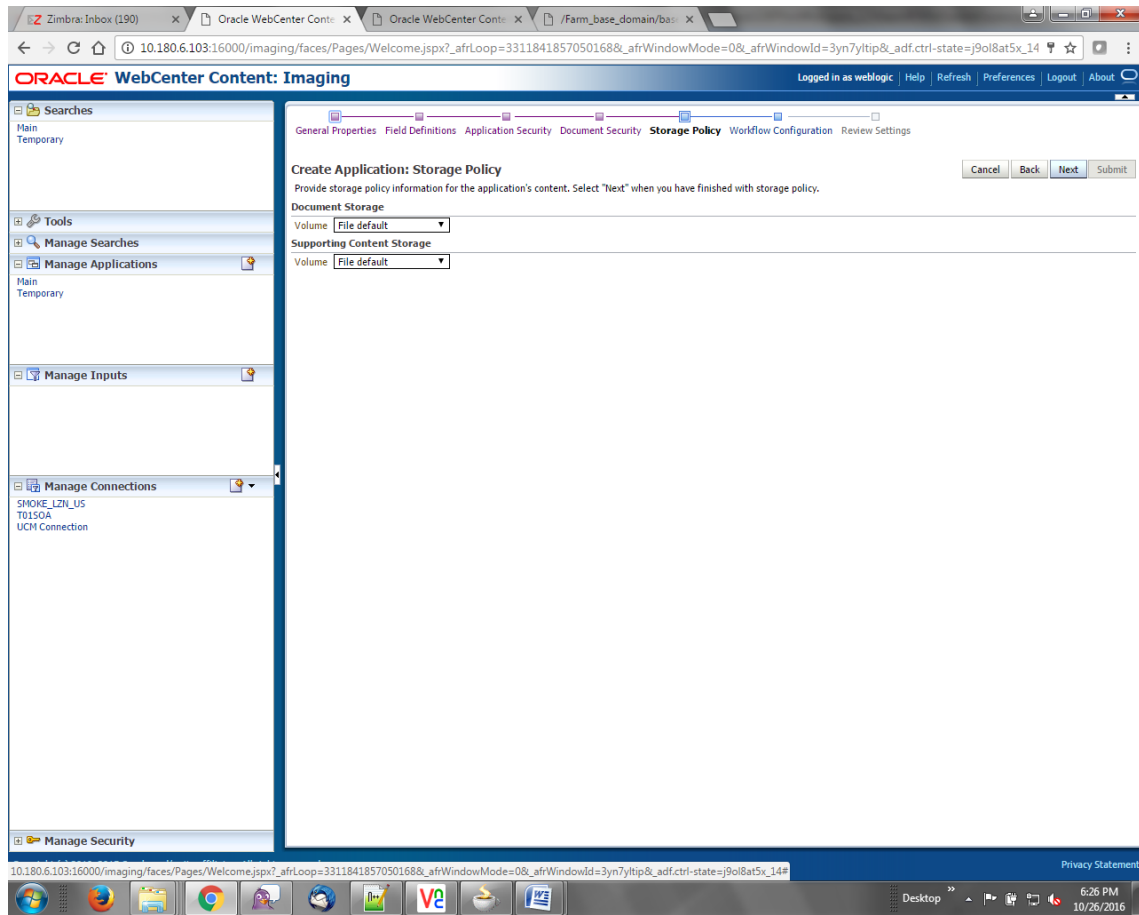
5. In the Application Security section, select the access rights for users and click **Next**. The Create Application: Document Security page appears.

Figure 7–78 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 7–79 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 7–80 Report: Workflow Configuration - Server Properties

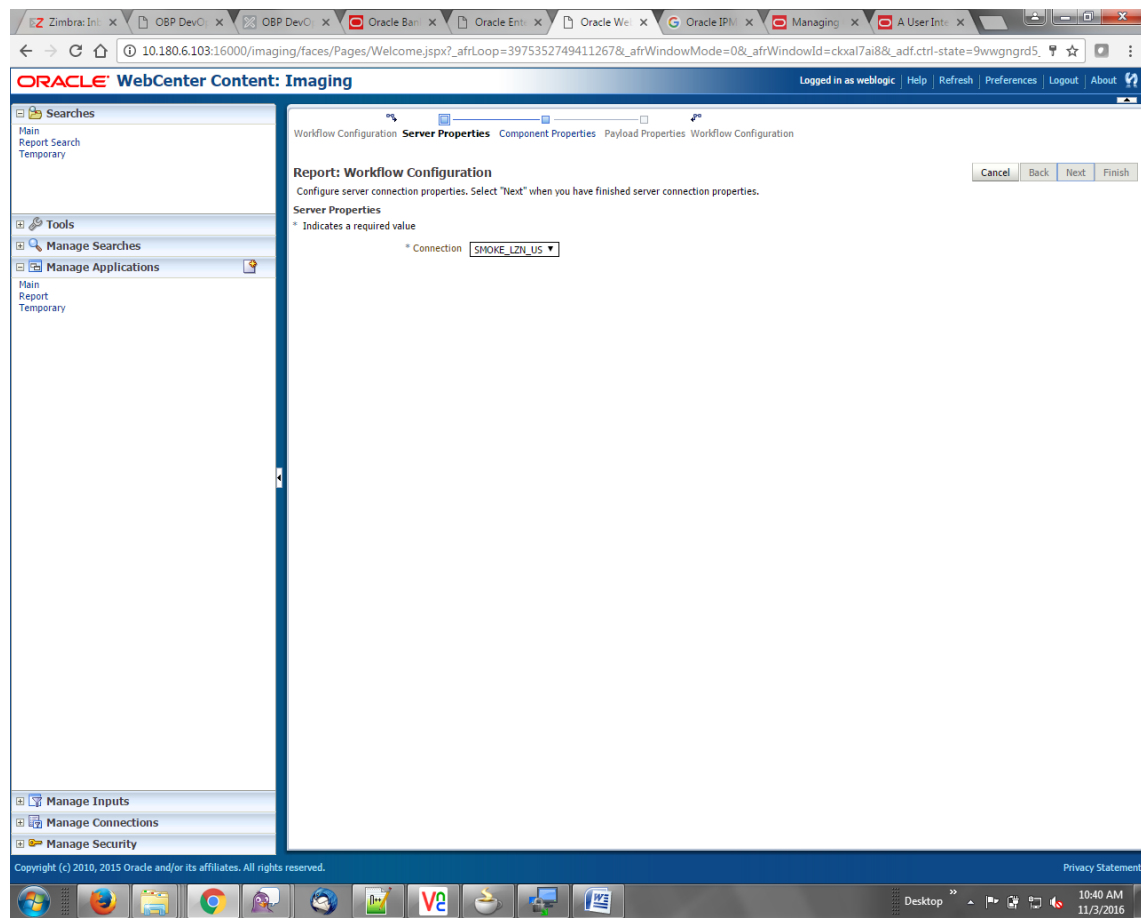


Figure 7–81 Report: Workflow Configuration - Component Properties

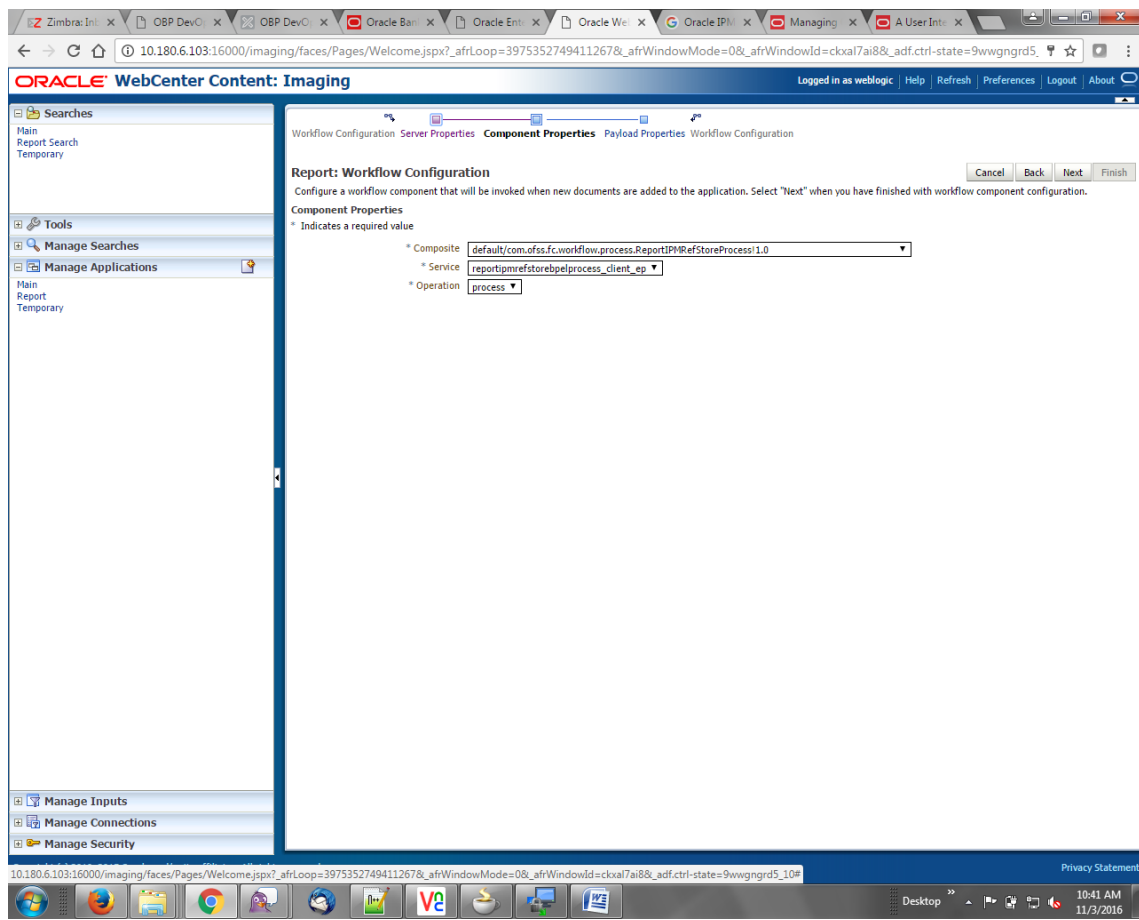


Figure 7–82 Report: Application Summary

Report: Application Summary [Modify] [Delete] [Close]

Storage Policy

Document Storage
Volume: File default

Supporting Content Storage
Volume: File default

Workflow Configuration

Workflow injection enabled.

Server Properties
Connection: 7:SMOKE_LZN_US

Component Properties
Composite: default/com.ofss.fc.workflow.process.ReportIPMRefStoreProcess1.0
Service: reportipmrefstorebpeprocess_client_ep
Operation: process

Payload Properties

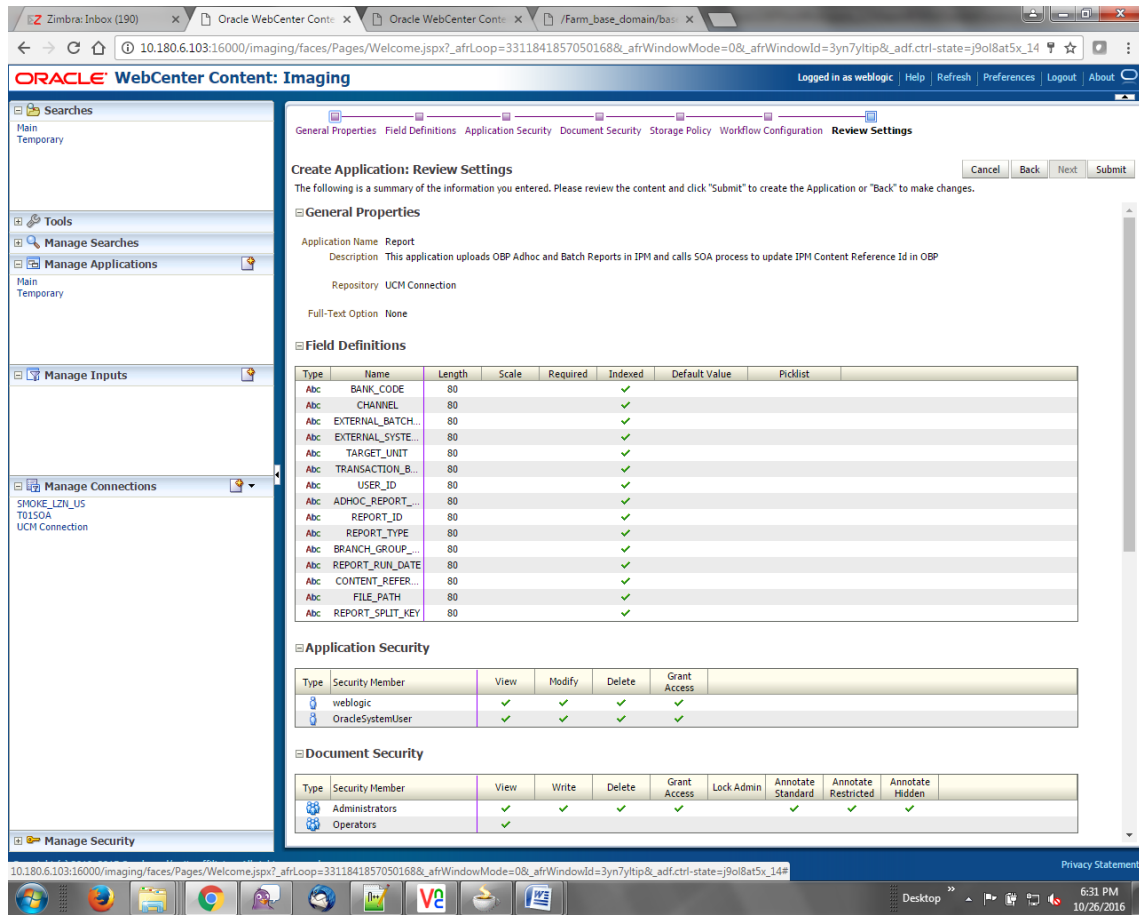
Payload ID	Mapped Value
process.bankCode	Field Value: BANK_CODE
process.channel	Field Value: CHANNEL
process.externalBatchNumber	Field Value: EXTERNAL_BATCH_NUMBER
process.externalSystemAuditTrailNumber	Field Value: EXTERNAL_SYSTEM_AUDIT_TRAIL_NUMBER
process.targetUnit	Field Value: TARGET_UNIT
process.transactionBranch	Field Value: TRANSACTION_BRANCH
process.userId	Field Value: USER_ID
process.adhocReportRequestid	Field Value: ADHOC_REPORT_REQUEST_ID
process.reportId	Field Value: REPORT_ID
process.reportType	Field Value: REPORT_TYPE
process.branchGroupCode	Field Value: BRANCH_GROUP_CODE
process.reportRunDate	Field Value: REPORT_RUN_DATE
process.contentReferenceId	Document Id
process.reportSplitkey	Field Value: REPORT_SPLIT_KEY

Application History

Date	Type	User Name
10/26/2016 6:32:...	Definition Create	weblogic
10/27/2016 11:15:...	Definition Modify	weblogic
11/3/2016 1:02:5...	Definition Modify	weblogic
11/3/2016 1:50:4...	Definition Modify	weblogic
11/3/2016 10:43:...	Definition Modify	weblogic
11/3/2016 3:29:2...	Definition Modify	weblogic

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

Figure 7–83 Create Application: Review Settings

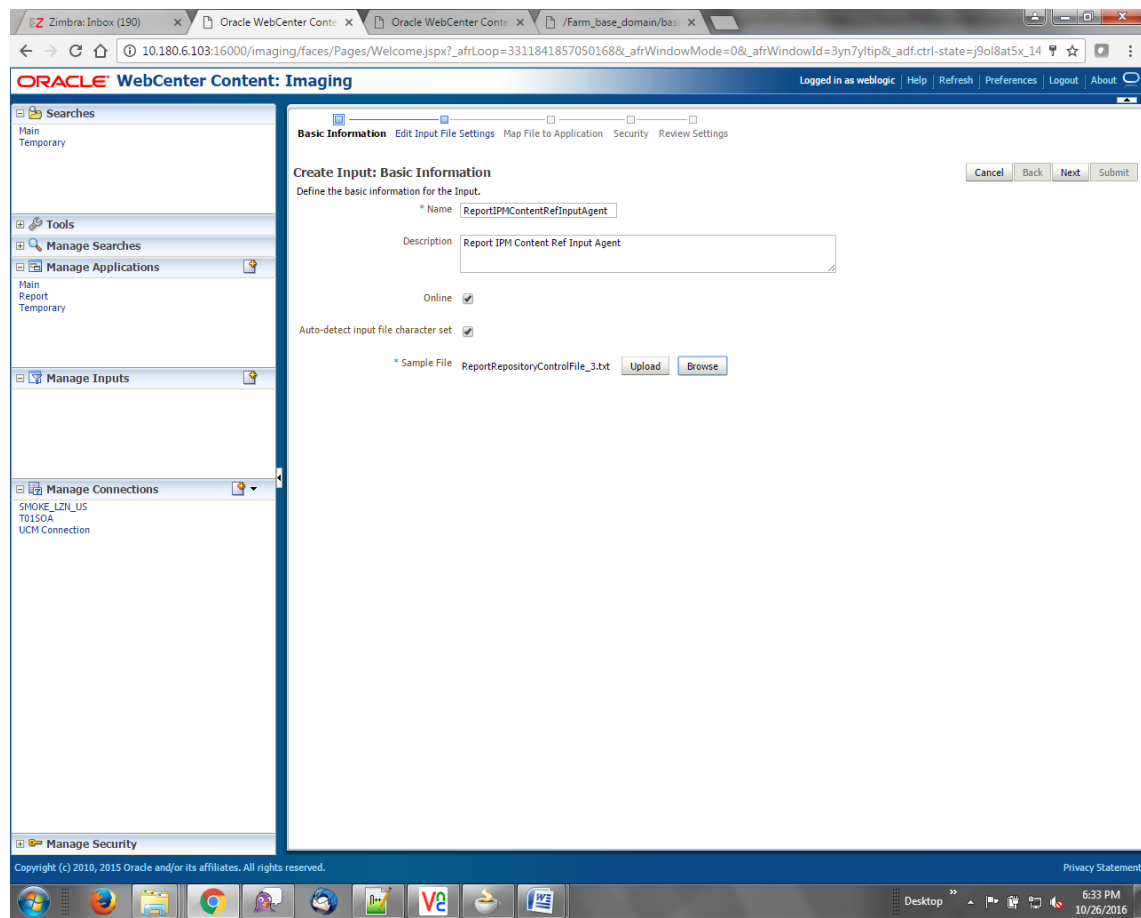


7.3.6 Manage Inputs for Input Agents

To manage workflow configuration:

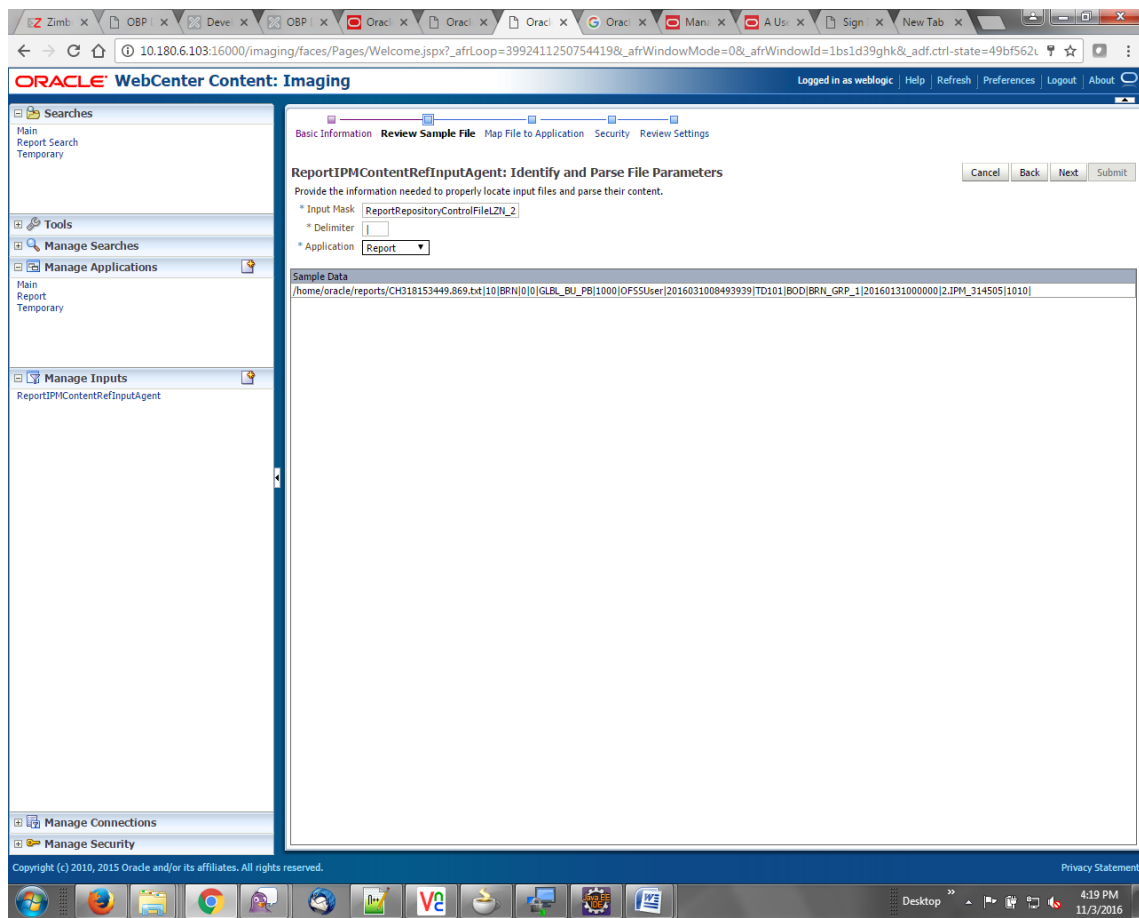
1. Log in to Image Processing Management (IPM).
2. Navigate to Manage Inputs section.

Figure 7–84 Manage Inputs



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

Figure 7–85 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.

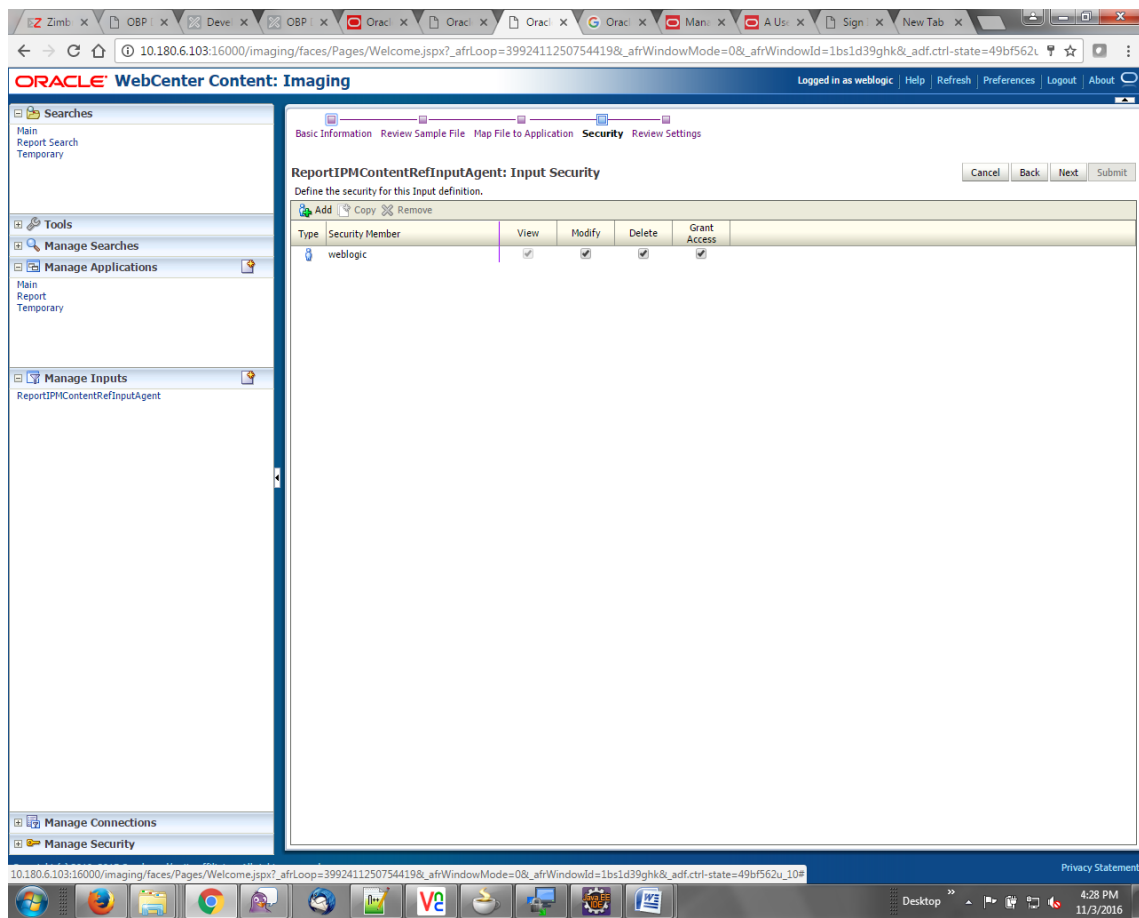
Figure 7–86 Input Agent Details: Field Mapping

The screenshot shows the Oracle WebCenter Content: Imaging interface. The main window is titled 'ReportIPMContentRefInputAgent: Field Mapping'. It contains a table for mapping application fields to input columns. The table has five columns: Application Fields, Input Column, Sample Data, Use Application Default, and Date Format. The 'Input Column' column contains dropdown menus, all of which are set to 'Column 1' through 'Column 15'. The 'Sample Data' column shows various values corresponding to the application fields. The 'Use Application Default' and 'Date Format' columns contain icons for editing these settings.

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		

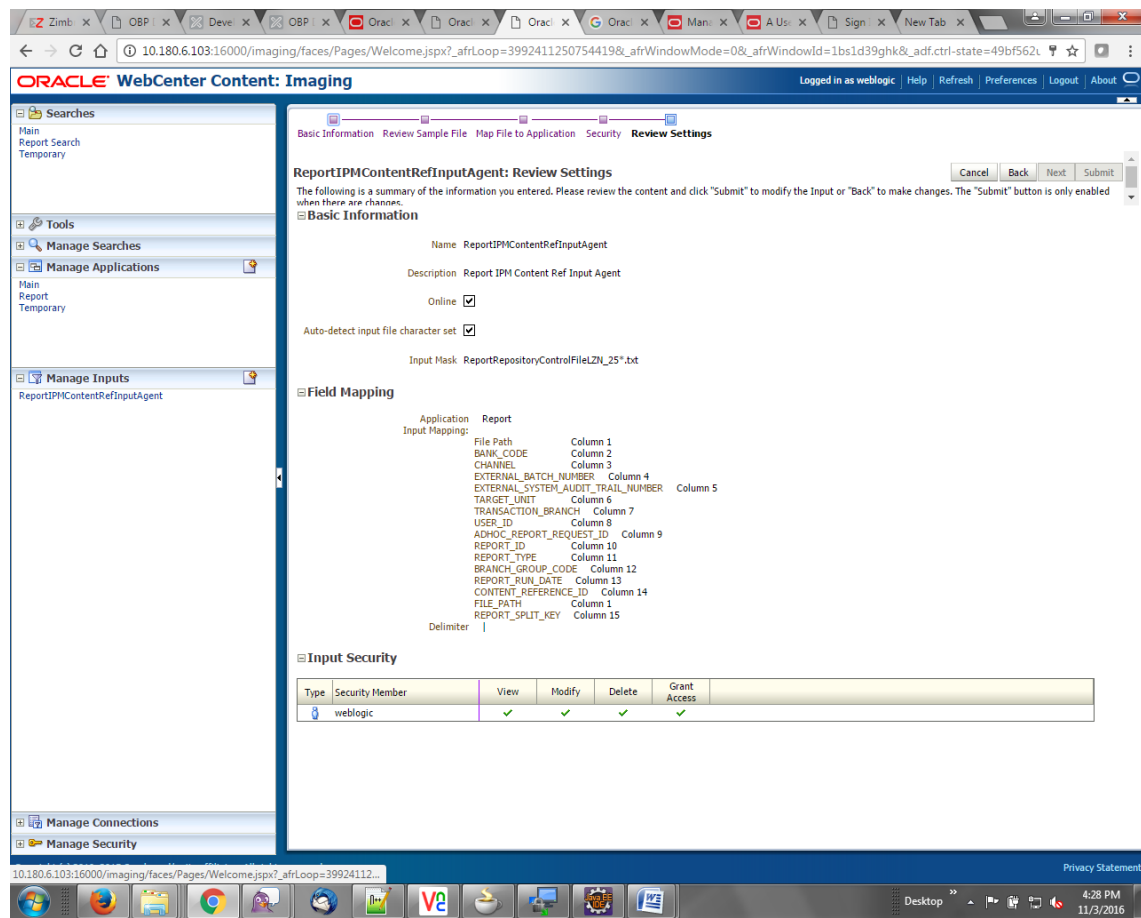
9. Select the access rights for user in the Security section and click **Next**.

Figure 7–87 Input Agent Details: Security



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

Figure 7–88 Input Agent Details: Review Settings

**Note**

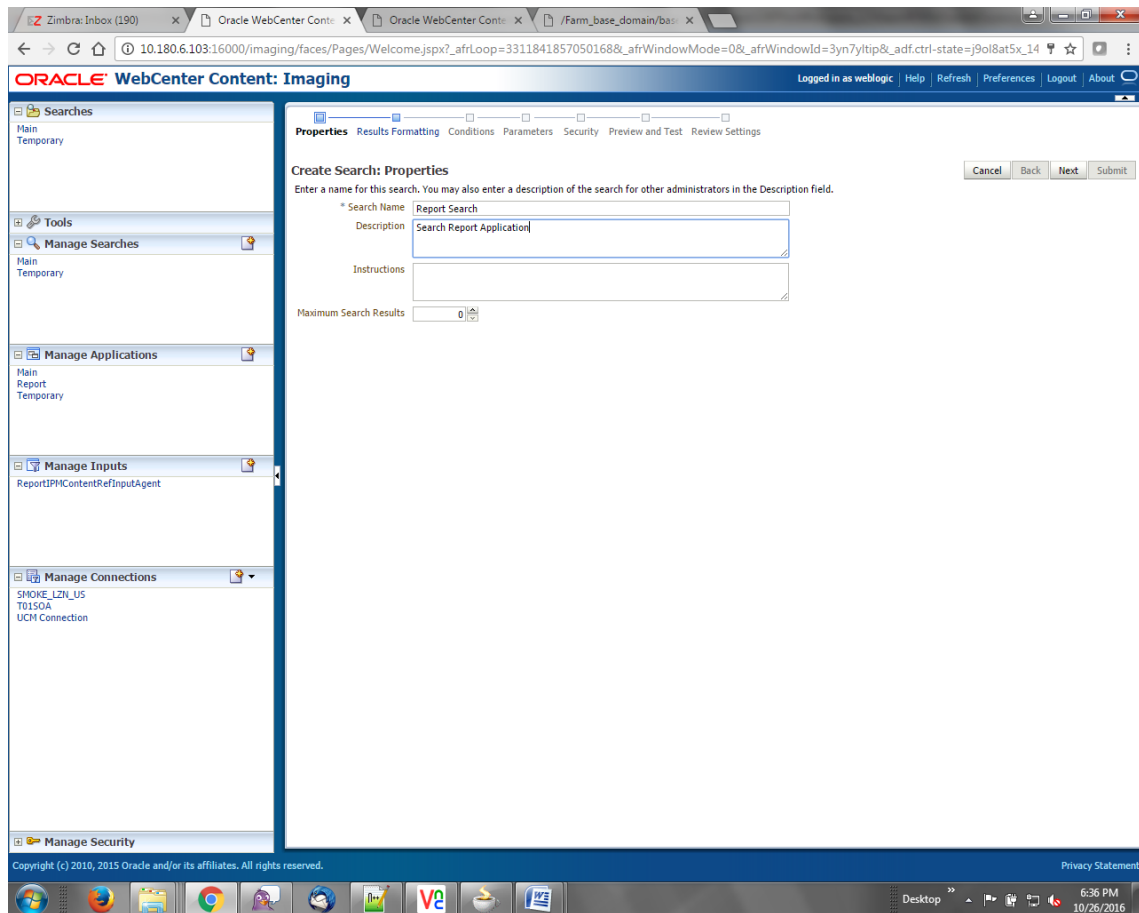
Do not forget to toggle online, else the input agent will not pick up any file for processing.

7.3.7 Manage Searches

To manage searches:

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

Figure 7–89 Create Search: Properties



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

Figure 7–90 Create Search: Results Formatting

The screenshot shows the Oracle WebCenter Content: Imaging interface. The main content area is titled "Create Search: Results Formatting" and includes a navigation bar with tabs for Properties, Results Formatting (selected), Conditions, Parameters, Security, Preview and Test, and Review Settings. Below the navigation bar, there are buttons for Cancel, Back, Next, and Submit. The main configuration area contains a table for selecting source applications and fields to display in search results.

Select a source application or applications that you wish to return images from. Then select the fields in this application you wish to display to the user when their results are returned.

Source Application	BANK_CODE	TARGET_UNIT	TRANSACTION_BRA	USER_ID	ADHOC_REPORT_RE	REPORT_ID	REPORT_TYPE	BRANCH_C
Report	BANK_CODE	TARGET_UN	TRANSACTION	USER_ID	ADHOC_REPC	REPORT_ID	REPORT_TYP	BRANCH

The left sidebar contains a navigation menu with the following items:

- Searches
 - Main
 - Temporary
- Tools
- Manage Searches
 - Main
 - Temporary
- Manage Applications
 - Main
 - Report
 - Temporary
- Manage Inputs
 - ReportIPMContentRefInputAgent
- Manage Connections
 - SMOKE_LZN_US
 - T0150A
 - UCM Connection
- Manage Security

The bottom of the window shows a Windows taskbar with the system tray displaying "Desktop", "6:41 PM", and "10/26/2016".

Figure 7-91 Create Search: Conditions

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

Properties Results Formatting **Conditions** Parameters Security Preview and Test Review Settings

Create Search: Conditions [Cancel] [Back] [Next] [Submit]

Select the conditions you want to use to find the images in the selected applications.

Application Selection: [Report ▼]

Field	Operator	Value	Conjunction
BANK_CODE	Equals	Parameter - BANK_CODE	Or
TARGET_UNIT	Equals	Parameter - TARGET_UNIT	Or
TRANSACTION_BRANCH	Equals	Parameter - TRANSACTION_BRANCH	Or
USER_ID	Equals	Parameter - USER_ID	Or
ADHOC_REPORT_REQUEST_ID	Equals	Parameter - ADHOC_REPORT_REQUEST_ID	Or
REPORT_ID	Equals	Parameter - REPORT_ID	Or
REPORT_TYPE	Equals	Parameter - REPORT_TYPE	Or
BRANCH_GROUP_CODE	Equals	Parameter - BRANCH_GROUP_CODE	Or
REPORT_RUN_DATE	Equals	Parameter - REPORT_RUN_DATE	Or
CONTENT_REFERENCE_ID	Equals	Parameter - CONTENT_REFERENCE_ID	Or
FILE_PATH	Equals	Parameter - FILE_PATH	Or
REPORT_SPLIT_KEY	Equals	Parameter - REPORT_SPLIT_KEY	Or

Search Conditions

Application: Report

Field	Operator	Value	Conjunction
BANK_CODE	Equals	Parameter - BANK_CODE	Or
TARGET_UNIT	Equals	Parameter - TARGET_UNIT	Or
TRANSACTION_BRANCH	Equals	Parameter - TRANSACTION_BRANCH	Or
USER_ID	Equals	Parameter - USER_ID	Or
ADHOC_REPORT_REQUEST_ID	Equals	Parameter - ADHOC_REPORT_REQUEST_ID	Or
REPORT_ID	Equals	Parameter - REPORT_ID	Or
REPORT_TYPE	Equals	Parameter - REPORT_TYPE	Or
BRANCH_GROUP_CODE	Equals	Parameter - BRANCH_GROUP_CODE	Or
REPORT_RUN_DATE	Equals	Parameter - REPORT_RUN_DATE	Or
CONTENT_REFERENCE_ID	Equals	Parameter - CONTENT_REFERENCE_ID	Or
FILE_PATH	Equals	Parameter - FILE_PATH	Or
REPORT_SPLIT_KEY	Equals	Parameter - REPORT_SPLIT_KEY	Or

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Desktop | 6:43 PM | 10/26/2016

Figure 7–92 Create Search: Parameters

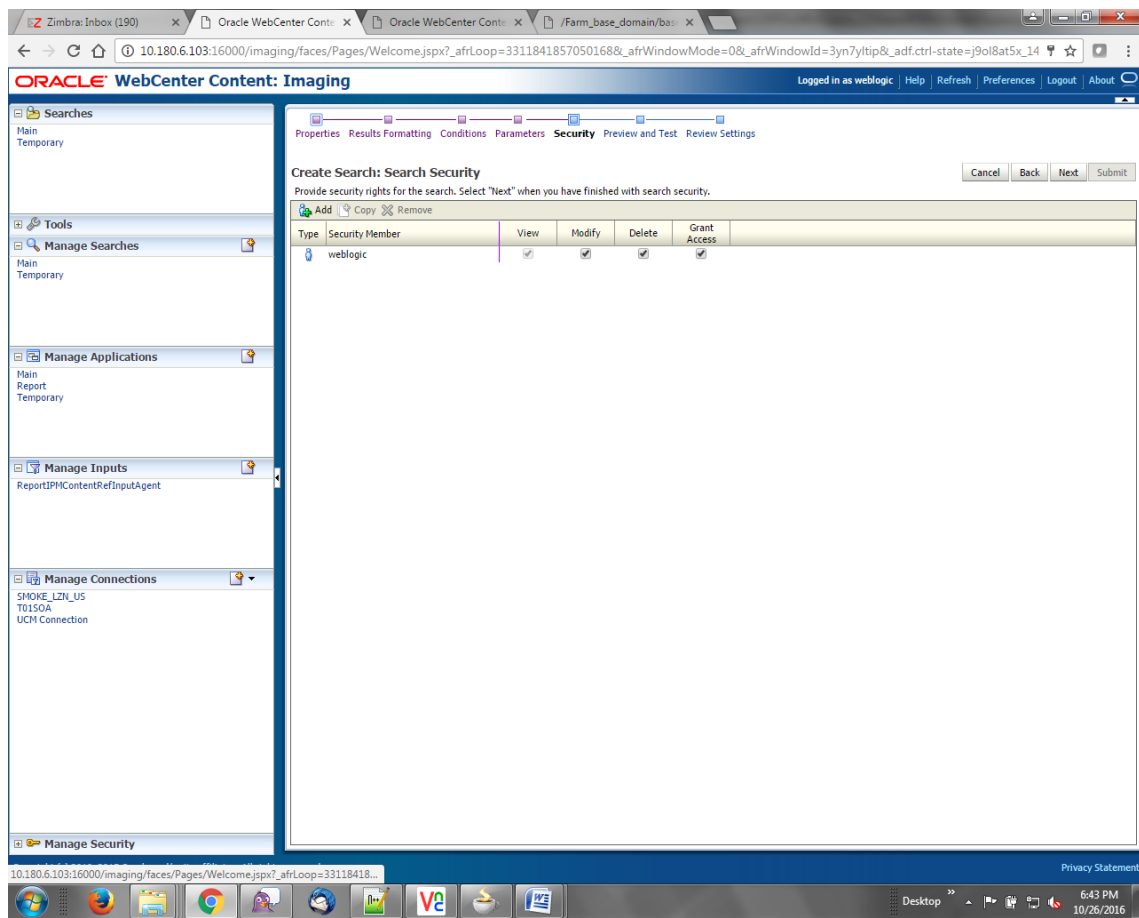
The screenshot displays the 'Create Search: Parameters' configuration page in Oracle WebCenter Content: Imaging. The page is titled 'Create Search: Parameters' and includes a navigation bar with tabs for Properties, Results Formatting, Conditions, Parameters (selected), Security, Preview and Test, and Review Settings. Below the navigation bar, there are buttons for Cancel, Back, Next, and Submit. The main content area contains a table with the following columns: Parameter Name, Prompt Text, Operator Text, Default Value, Picklist, Required, and Read Only. The table lists 14 parameters, all with 'Equals' as the operator text and 'Required' checked. The parameters are:

Parameter Name	Prompt Text	Operator Text	Default Value	Picklist	Required	Read Only
BANK_CODE	BANK_CODE	Equals		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TARGET_UNIT	TARGET_UNIT	Equals		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TRANSACTION_BR	TRANSACTION_BR	Equals		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
USER_ID	USER_ID	Equals		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ADHOC_REPORT_ID	ADHOC_REPORT_ID	Equals		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
REPORT_ID	REPORT_ID	Equals		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
REPORT_TYPE	REPORT_TYPE	Equals		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BRANCH_GROUP_ID	BRANCH_GROUP_ID	Equals		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
REPORT_RUN_DATE	REPORT_RUN_DATE	Equals		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CONTENT_REFERENCE	CONTENT_REFERENCE	Equals		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
FILE_PATH	FILE_PATH	Equals		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
REPORT_SPLIT_KEY	REPORT_SPLIT_KEY	Equals		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The left sidebar contains navigation options: Searches (Main, Temporary), Tools, Manage Searches (Main, Temporary), Manage Applications (Main, Report, Temporary), Manage Inputs (ReportIPMContentRefInputAgent), Manage Connections (SMOKE_LZN_US, T0150A, UCM Connection), and Manage Security. The bottom of the page shows the Oracle WebCenter Content: Imaging logo, copyright information (© 2010, 2015 Oracle and/or its affiliates. All rights reserved.), and a Privacy Statement link. The Windows taskbar at the bottom indicates the system is on Desktop at 6:43 PM on 10/26/2016.

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

Figure 7–93 Create Search: Security



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

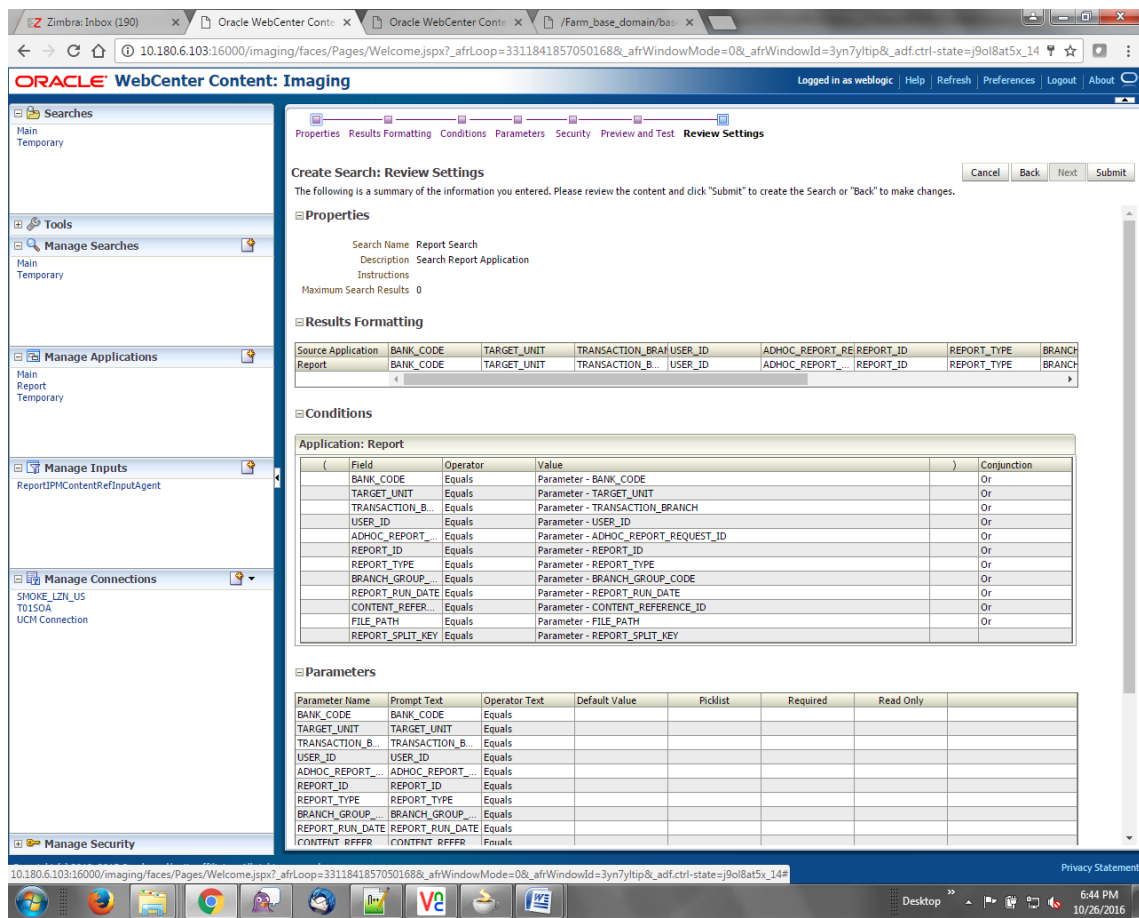
Figure 7–94 Create Search: Preview and Test

The screenshot shows the Oracle WebCenter Content: Imaging interface. The main window is titled "Create Search: Preview and Test" and contains a search form for "Report Search". The search form includes the following fields:

Field Name	Operator	Value
BANK_CODE	Equals	<input type="text"/>
TARGET_UNIT	Equals	<input type="text"/>
TRANSACTION_BRANCH	Equals	<input type="text"/>
USER_ID	Equals	<input type="text"/>
ADHOC_REPORT_REQUEST_ID	Equals	<input type="text"/>
REPORT_ID	Equals	<input type="text"/>
REPORT_TYPE	Equals	<input type="text"/>
BRANCH_GROUP_CODE	Equals	<input type="text"/>
REPORT_RUN_DATE	Equals	<input type="text"/>
CONTENT_REFERENCE_ID	Equals	<input type="text"/>
FILE_PATH	Equals	<input type="text"/>
REPORT_SPLIT_KEY	Equals	<input type="text"/>

Below the search form is a "Search Form" button. The interface also includes a left-hand navigation pane with sections like "Searches", "Tools", "Manage Searches", "Manage Applications", "Manage Inputs", "Manage Connections", and "Manage Security". The top navigation bar includes "Properties", "Results Formatting", "Conditions", "Parameters", "Security", "Preview and Test", and "Review Settings". The bottom status bar shows "Copyright (c) 2010, 2015 Oracle and/or its affiliates. All rights reserved." and "Privacy Statement".

Figure 7–95 Create Search: Review Settings



7.3.8 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 7–2 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

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).

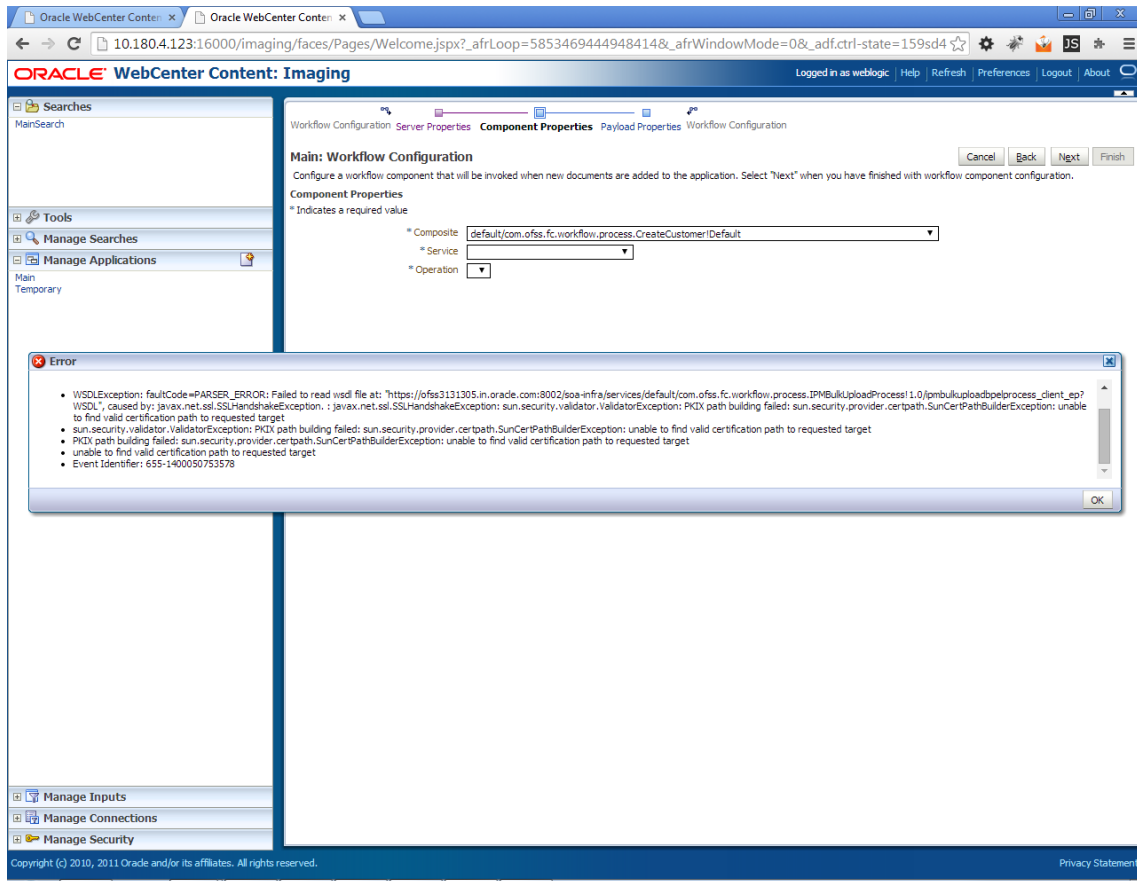
Security for called method

```
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 7–96 Component Properties



8 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 1.1.2.1 Certification Details](#).

You can configure ODI using odi.tar.gz. ODI configuration zip is present inside the ob-utils zip/Insights.zip.

8.1 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. Set ODI Level Configurations as mentioned in [Section 1 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
 - odlUploadOBP for OBP DB having JNDI name: jdbc/odlUploadOBP
 - 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

9 Monitoring Servers Using Oracle Enterprise Manager

This chapter lists the steps required to monitor servers using Oracle Enterprise Manager (OEM).

The OBEDM servers can be monitored using Oracle Enterprise Manager. '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 OBEDM Servers, follow the procedures given in Oracle Banking Enterprise Default Management Management Pack Setup Guide.

10 Post Installation Verification

This chapter lists the steps required to verify the Oracle Banking Enterprise Default Management installation.

10.1 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 OBEDM libraries and applications is *Active*.
 - Shared Libraries
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.fw
 - ob.app.client.pm
 - ob.app.client.sh
 - ob.app.client.coll
 - ob.app.client.deposit
 - ob.app.client.lcm
 - ob.app.client.lending
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pricing
 - ob.ui.coll
 - ob.ui.deposits
 - ob.ui.lcm
 - ob.ui.lending
 - ob.ui.or
 - ob.ui.party
 - ob.ui.pricing
 - ob.ui.communications
 - ob.ui.cz
 - ob.ui.fusion

- ob.ui.pm
- 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.view.admin
 - com.ofss.fc.ui.view.developer
 - com.ofss.fc.ui.view.qa
 - com.ofss.fc.ui.rest.ops
 - com.ofss.fc.ui.view.mds
 - com.ofss.fc.ui.view.obec
 - com.ofss.fc.ui.view.obepm

Figure 10–1 UI Weblogic Console

 ob.app.client.coll(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.communications(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.cz(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.deposit(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.fw(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.lcm(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.lending(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.or(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.party(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.pm(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.pricing(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.sh(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.coll(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.communications(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.cz(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.deposit(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.fusion(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.lcm(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.lending(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.or(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.party(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.pm(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.pricing(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.sh(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.tp(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.ui.tp.cz(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100

Figure 10–2 UI Weblogic Console

<input type="checkbox"/>		com.ofss.fc.app.monitoring	Active	OK	Web Application	obpu1_cluster1	Global		100
<input type="checkbox"/>		com.ofss.fc.app.ui.connector	Active	OK	Enterprise Application	obpu1_cluster1	Global		80
<input type="checkbox"/>		com.ofss.fc.ui.rest.oes	Active	OK	Enterprise Application	obpu1_cluster1	Global		100
<input type="checkbox"/>		com.ofss.fc.ui.view.admin	Active	OK	Enterprise Application	obpu1_cluster1	Global		100
<input type="checkbox"/>		com.ofss.fc.ui.view.developer	Active	OK	Enterprise Application	obpu1_cluster1	Global		100
<input type="checkbox"/>		com.ofss.fc.ui.view.mds	Active	OK	Enterprise Application	obpu1_cluster1	Global		100
<input type="checkbox"/>		com.ofss.fc.ui.view.obec	Active	OK	Enterprise Application	obpu1_cluster1	Global		100
<input type="checkbox"/>		com.ofss.fc.ui.view.obepm	Active	OK	Enterprise Application	obpu1_cluster1	Global		100
<input type="checkbox"/>		com.ofss.fc.ui.view.qa	Active	OK	Enterprise Application	obpu1_cluster1	Global		100

- In EM console (<UI_IP>:<UI_ADMIN_PORT>/em), check the status of:
 - Cluster
 - Managed Servers
 - Applications

Figure 10–3 UI EM Console Status Check

The screenshot shows the Oracle Enterprise Manager console for the 'ui_domain'. On the left, there are three summary cards: 'Servers' with 2 Up, 'Clusters' with 1 Up, and 'Deployments' with 12 Up. The main area shows the 'Administration Server' details for 'AdminServer' on host 'mum00adi.in.oracle.com' with Listen Port 7001 and SSL Listen Port 7002. Below this is a table of servers:

Name	Status	Cluster	Machine	State	Health	Listen Port	CPU Usage (%)	Mem Usage (MB)
AdminServer(admin)	↑			Running	OK	7001	4.31	805.9
obpu1_server1	↑	obpu1_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 10–4 UI Admin wsm-pm Validator

Policy Manager Status: Operational

Policies (204)

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 conjunction 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 result in disabling the whole global policy containing any other assertions in addition to the

Figure 10–5 UI managed wsm-pm validator

Policy Manager Status: Operational

Policies (204)

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 conjunction 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

10.2 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 OBEDM libraries and applications is *Active*.

- Shared libraries
 - ob.app.client.communications
 - ob.app.client.coll
 - ob.app.client.cz
 - ob.app.client.deposit
 - ob.app.client.fw
 - ob.app.client.lcm
 - ob.app.client.lending
 - 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.coll
 - ob.app.host.sh
 - ob.app.host.tp
 - ob.app.host.tp.cz
 - ob.app.integration
 - ob.app.host.party
 - ob.app.host.pm
 - ob.app.host.pricing
- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging.collection
 - com.ofss.fc.middleware.collection
 - com.ofss.fc.webservices.collection

Figure 10–6 Host WebLogic Console

<input type="checkbox"/>	 ob.app.client.coll(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.client.communications(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.client.cz(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.client.deposit(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.client.fw(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.client.lcm(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.client.lending(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.client.party(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.client.pm(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.client.pricing(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.client.sh(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.host.coll(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.host.communications(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.host.cz(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.host.fw(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.host.party(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.host.pm(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.host.pricing(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.host.sh(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.host.tp(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.host.tp.cz(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 ob.app.integration(2.10.0.0.0,2.10.0.0.0)	Active		Library	obedmhost_cluster1	Global		100

Figure 10–7 Host WebLogic Console

<input type="checkbox"/>	 com.ofss.fc.app.connector	Active	✔ OK	Enterprise Application	obedmhost_cluster1	Global		80
<input type="checkbox"/>	 com.ofss.fc.app.monitoring	Active	✔ OK	Web Application	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 com.ofss.fc.messaging.collection	Active	✔ OK	Enterprise Application	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 com.ofss.fc.middleware.collection	Active	✔ OK	Enterprise Application	obedmhost_cluster1	Global		100
<input type="checkbox"/>	 com.ofss.fc.webservices.collection	Active	✔ OK	Enterprise Application	obedmhost_cluster1	Global		100

JMS Modules

The following JMS Modules are created during host installation:

Figure 10–8 Host WebLogic Console

JMS Modules (Filtered - More Columns Exist)

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

New Delete Showing 1 to 17 of 17 Previous | Next

<input type="checkbox"/>	Name ↕	Type
<input type="checkbox"/>	jmsAccountingModule	JMSSystemResource
<input type="checkbox"/>	jmsAnalyticsModule	JMSSystemResource
<input type="checkbox"/>	jmsAsyncAuditModule	JMSSystemResource
<input type="checkbox"/>	jmsBatchModule	JMSSystemResource
<input type="checkbox"/>	jmsCasaModule	JMSSystemResource
<input type="checkbox"/>	jmsCollateralModule	JMSSystemResource
<input type="checkbox"/>	jmsCollectionModule	JMSSystemResource
<input type="checkbox"/>	jmsDocumentOutboundModule	JMSSystemResource
<input type="checkbox"/>	jmsDomainPublishModule	JMSSystemResource
<input type="checkbox"/>	jmsODIModule	JMSSystemResource
<input type="checkbox"/>	jmsOriginationModule	JMSSystemResource
<input type="checkbox"/>	jmsPartyModule	JMSSystemResource
<input type="checkbox"/>	jmsPaymentModule	JMSSystemResource
<input type="checkbox"/>	jmsPricingAnalysisModule	JMSSystemResource
<input type="checkbox"/>	jmsReportModule	JMSSystemResource
<input type="checkbox"/>	jmsRuleModule	JMSSystemResource
<input type="checkbox"/>	jmsWorkflowModule	JMSSystemResource

New Delete Showing 1 to 17 of 17 Previous | Next

- In (<HOST_IP>:<HOST_ADMIN_PORT>/wsm-pm/validator) and (<HOST_IP>:<HOST_MANAGED_PORT>/wsm-pm/validator) screens, all policies must appear.

Figure 10–9 HOST admin wsm-pm validator

← → × Not secure | 10.180.34.248:7001/wsm-pm/validator ☆ ○ ☰

Policy Manager Status: Operational

Policies (204)

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_wfs_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-ntom-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

Figure 10–10 HOST 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-ntom-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 related global policies, including any other conditions in addition to this.

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.

10.3 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 OBEDM libraries and human task files with .ear extension is *Active*.
 - 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
 - com.ofss.fc.ui.view.mds
 - com.ofss.fc.workflow.ui.batchexceptionrecovery
 - com.ofss.fc.workflow.ui.brop
 - com.ofss.fc.workflow.ui.CollectionWorkflowApplication
 - com.ofss.fc.workflow.ui.common.approval
 - com.ofss.fc.workflow.ui.hardshiprelief
 - com.ofss.ob.webservice.soamanagement

4. Also verify that the standard SOA application soa-infra is in *Active* state.

Figure 10–11 SOA WebLogic Console

<input type="checkbox"/>	ob.app.client.coll(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.app.client.communications(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.app.client.cz(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.app.client.deposit(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.app.client.fw(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.app.client.lcm(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.app.client.lending(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.app.client.or(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.app.client.party(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.app.client.pm(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.app.client.pricing(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.app.client.sh(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.coll(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.communications(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.cz(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.deposit(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.fusion(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.lcm(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.lending(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.or(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.party(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.pm(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.pricing(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.sh(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.tp(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
<input type="checkbox"/>	ob.ui.tp.cz(2.10.0.0.0,2.10.0.0.0)	Active		Library	obphumantask_cluster1	Global		100

Figure 10–12 SOA WebLogic Console

<input type="checkbox"/>	com.ofss.fc.app.ui.connector	Active	✔ OK	Enterprise Application	obphumantask_cluster1	Global		80
<input type="checkbox"/>	com.ofss.fc.ui.view.mds	Active	✔ OK	Enterprise Application	obphumantask_cluster1	Global		100
<input type="checkbox"/>	com.ofss.fc.workflow.ui.batchexceptionrecovery	Active	✔ OK	Enterprise Application	obphumantask_cluster1	Global		100
<input type="checkbox"/>	com.ofss.fc.workflow.ui.brop	Active	✔ OK	Enterprise Application	obphumantask_cluster1	Global		100
<input type="checkbox"/>	com.ofss.fc.workflow.ui.CollectionWorkflowApplicationUI	Active	✔ OK	Enterprise Application	obphumantask_cluster1	Global		100
<input type="checkbox"/>	com.ofss.fc.workflow.ui.common.approval	Active	✔ OK	Enterprise Application	obphumantask_cluster1	Global		100
<input type="checkbox"/>	com.ofss.fc.workflow.ui.hardshiprelief	Active	✔ OK	Enterprise Application	obphumantask_cluster1	Global		100
<input type="checkbox"/>	com.ofss.ob.webservice.soamanagement	Active	✔ OK	Web Application	obpsoa_cluster1	Global		100

10.4 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 10–13.

Figure 10–13 BPM Worklist Window Settings

The screenshot shows the Oracle BPM Worklist Administration interface. The page title is "Application Preferences". The left sidebar contains "Application Preferences" with sub-items: "Flex Field Mapping", "Public Flex Fields", and "Protected Flex Fields". The main content area includes the following settings:

- Worklist Action Menu: Show (selected) / Hide
- Map Task actions to an image: Two dropdown menus, the first with a green icon and the second with a red icon.
- 10g Workspace Application URL: Text input field.
- Flex Field INTEGER Display:
- Activity Guide:
 - The interval to wait for Activity Guide for poll requests to access next task: 300
 - Maximum number of times Activity Guide should poll to move to the next task: 10
- Task Forms (Requires Task Forms Servers Restart): Section header.
- File Types Allowed for Upload: Text input field.
- Display task details in external window: Enable / Disable (highlighted with a red box).

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11 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 Enterprise Default Management.

11.1 OBEDM 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 OBEDM 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 11–1 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/obphumantask_server1
Update JRF changes to domain /scratch/app/product/fmw/user_projects/domains/base_domain in offline mode
Domain created successfully
ORA-00000: configuration starting now
```

The domain is created successfully. Also note that for recreation of SOA, Host, and UI domain, a new set of RCUs is required, otherwise the pre-installation of respective component fails.

11.2 OBEDM Security Policy Seeding

For monitoring Oracle Banking Enterprise Default Management application security policy seeding, you can check the logs generated in \$HOST_FMW/obpoidinstall/PolicyStoreSetup/logs.

11.3 OBEDM 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 OBEDM 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 OBEDM Host installation in which once the post install script for OBEDM host has secured itself against a LDAP (OID/OVD) it proceeds to restart the OBEDM 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 OBEDM Host domain would indicate an incomplete attempt by the 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 the host machine was unable to connect to LDAP).

stderr log, WebLogic Domain Managed Server logs, OFSS logs

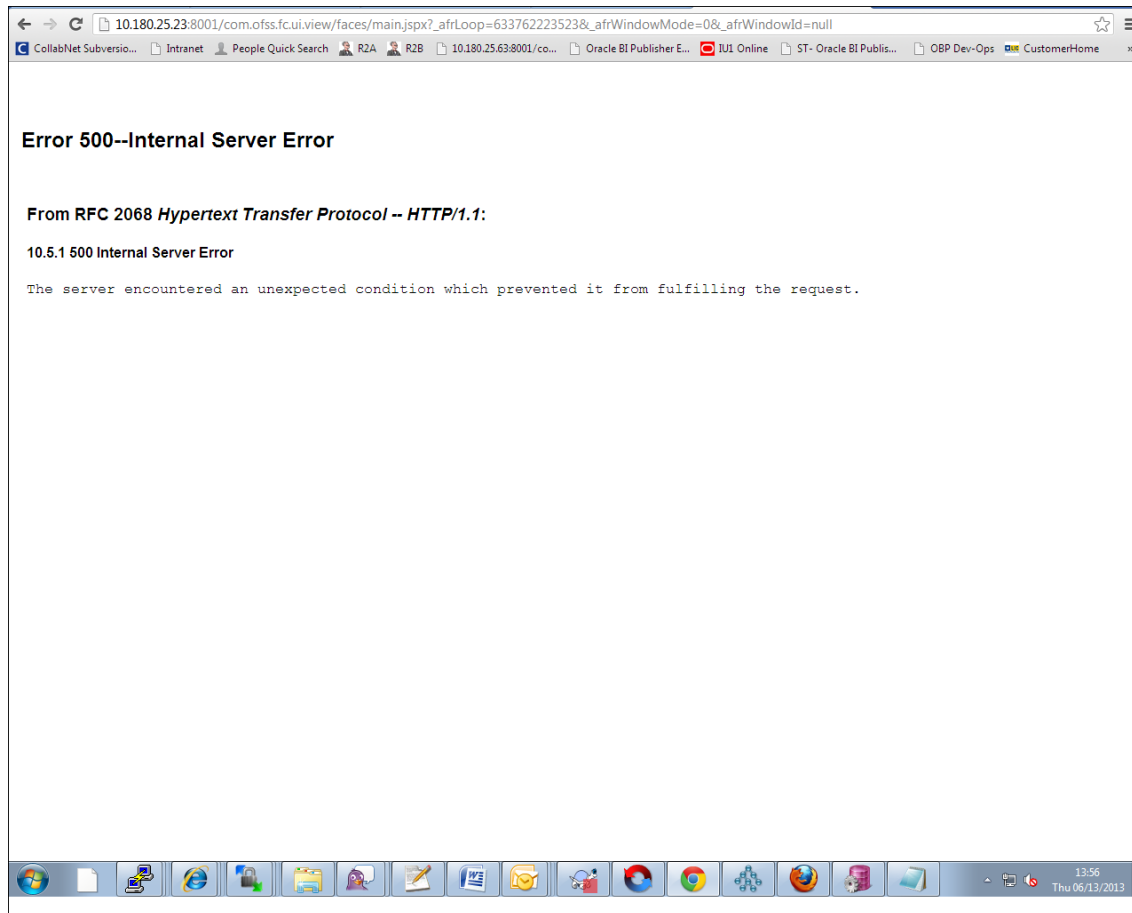
Once the post install script is completed successfully, you can start the domain servers and enter a dummy transaction to check the system correctness. If you face an error you can inspect the stderr log, the WebLogic domain managed server logs as well as the ofss logs under the domain directory.

When you start the managed servers post installation, there may occur a lot of error printing in the 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 the startup of the managed server, you can login to the application successfully.

11.4 Error on First Log in

In the first log in after installation, the following page may appear or a blank page may appear:

Figure 11–2 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.

11.5 Login 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.

11.6 SOA Setup in Cluster

This section explains the error that can be encountered in SOA setup in Cluster, and its resolution.

11.6.1 "COMPONENTTYPE": invalid identifier error

Due to one of the one-off patches for SOA applied during the OBEDM 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));
```

11.7 BPM Worklist Task Issue

If the BPM Task (human task) 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

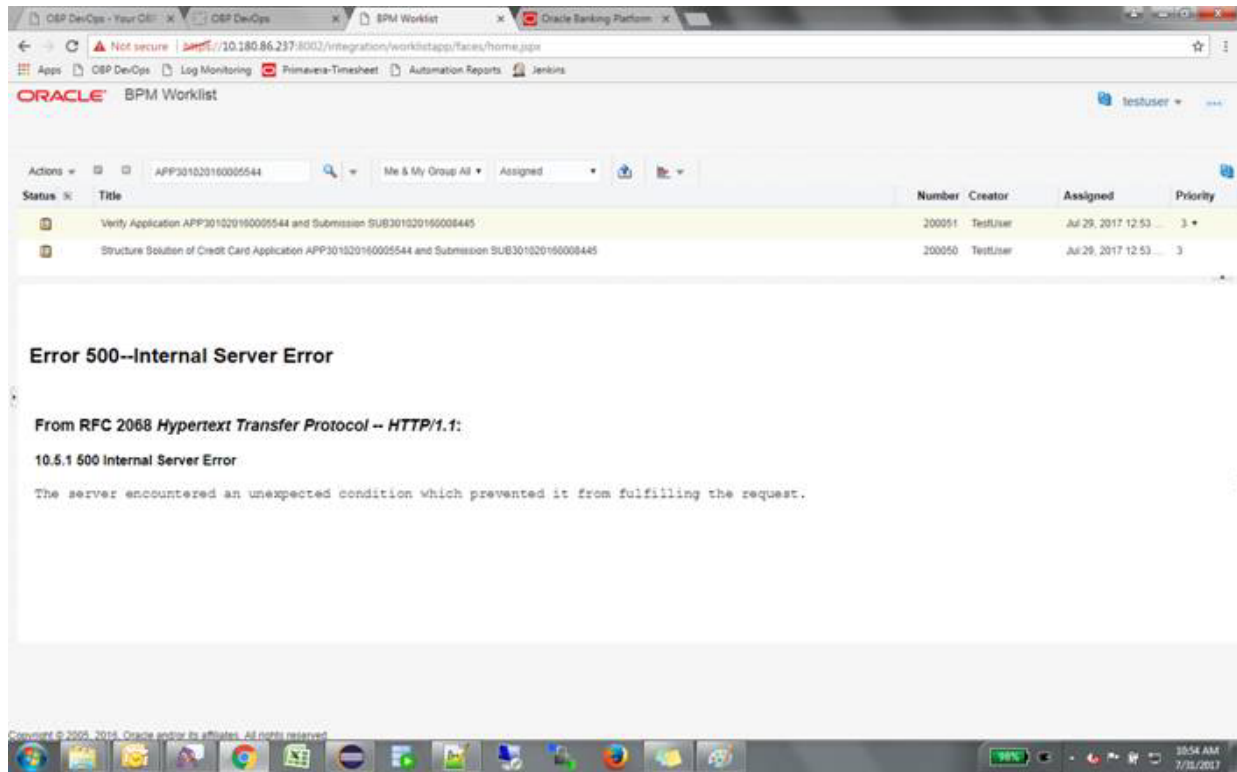
```
<property name="trust.keystoreType" value="KSS"/>
```

```
<property name="trust.keyStoreName" value="kss://opss/trustservice_ks"/>
```

```
<property name="trust.trustStoreName" value="kss://opss/trustservice_ts"/>
```

2. Restart it.

Figure 11–3 BPM Worklist Task issue



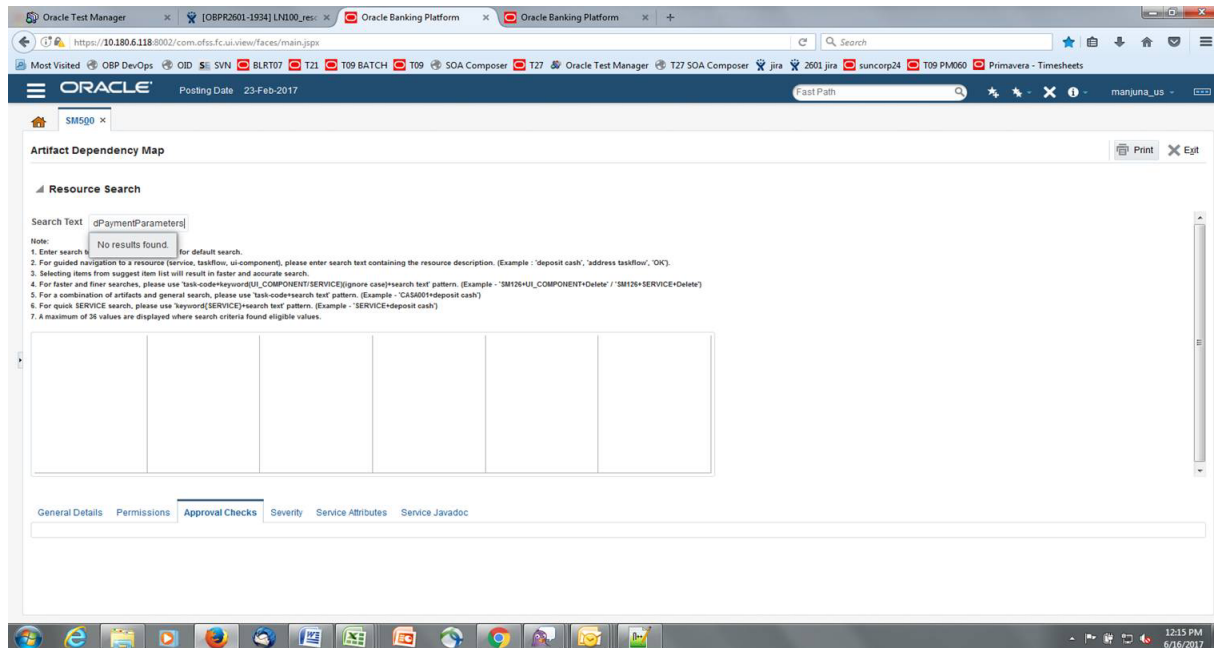
11.8 Artifacts Issue for SM500 page

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 11–4 Artifacts Issue for SM500 page



11.9 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 11–5 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 the `javax.resource.cci.ConnectionFactory` connection pool. The settings are organized into a table with columns for the parameter name, its value, and a description. Two parameters are highlighted with red boxes: `Max Capacity` (value: 50) and `Highest Num Waiters` (value: 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...

11.10 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

12 Uninstalling the Application

This chapter explains the process of uninstalling the Oracle Banking Enterprise Default Management.

12.1 Manual Uninstall

Currently an installed OBEDM 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 Enterprise Default Management related database schemas run the RCU utility and choose the **Drop** option.