Oracle® Banking Party Management

US Localization Installation Guide - Silent Installation

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Oracle Banking Party Management US Localization Installation Guide - Silent Installation, Release 2.7.0.0.0

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Preface

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

This preface contains the following topics:

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 Party 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

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

Access to Oracle Support:

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

Organization of the Guide

This document contains:

Chapter 1 Getting Started

This chapter presents an overview of Oracle Banking Party 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 Party Management.

Chapter 3 OBPM US Localization SOA Media Pack Installation

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

Chapter 4 OBPM US Localization Host Media Pack Installation

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

Chapter 5 OBPM US Localization Presentation Media Pack Installation

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

Chapter 6 Standalone Database Setup

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

Chapter 7 OBPM and IPM Integration

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

Chapter 8 BIP Datasource Creation

This chapter explains the steps required for Business Intelligence Publisher (BIP) datasource creation.

Chapter 9 ODI Configuration

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

Chapter 10 Monitoring Servers Using Oracle Enterprise Manager

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

Chapter 11 Post Installation Verification

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

Chapter 12 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 Party Management.

Chapter 13 Uninstalling the Application

This chapter explains the process of uninstalling the Oracle Banking Party 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 Party Management and Oracle Documaker, see the installation and configuration guides a t 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 Party Management Security Guide.
- For the complete list of licensed products and the third-party licenses included with the license, see the Oracle Banking Party Management Licensing Guide.
- For information related to setting up a bank or a branch, and other operational and administrative functions, see the Oracle Banking Party Management Administrator Guide.

- For information related to customization and extension, see the Oracle Banking Party Management Extensibility Guides for HOST, SOA, and UI.
- For information on the functionality and features, see the respective Oracle Banking Party Management Functional Overview document.
- For recommendations of secure usage of extensible components, see the Oracle Banking Party 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.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	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
OBPM	Oracle Banking Party 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 Party 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 Party Management

Oracle Banking Party Management (OBPM) provides an end-to-end platform to onboard and maintain the party and financial details. The capability caters to all party types such as individuals, organizations and trusts. It covers customers, members or prospects, affiliates, service providers and parties associated with applications. It maintains comprehensive party level information to service a customer effectively.

1.2 About This Document

This document guides you through the installation of the Oracle Banking Party 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 Party 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 OBPM 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 OBPM 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 OBPM 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 Party 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 Party 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 Party 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 6.8 or OEL 7.1	OBPM Oracle Database
2	4	32	200	OEL 6.8 or OEL 7.1	OBPM ADF UI Presentation Server
3	4	32	200	OEL 6.8 or OEL 7.1	OBPM 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 Party 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	OBPM 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 6.8 / 7.1 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 6.8 / 7.1 64-bit
3	OBPM 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 6.8 / 7.1 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 6.8 / 7.1 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 6.8 / 7.1 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 6.8 / 7.1 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 6.8 / 7.1 64-bit
8	OAAM	Security	Oracle IAM 11.1.2.3 Suite Oracle Weblogic Server 10.3.6 Java Version jdk1.8.0_xx (jdk1.8.0_172) Oracle Linux 6.8 / 7.1 64-bit
9	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 6.8 / 7.1 64-bit
10	OEM	Management	Oracle Enterprise Manager 13.2.0.0.0 As per certification matrix of Oracle Enterprise Manager 13.2.0.0.0
11	EM Agent	Management	Push from OEM Console

Sr. No.	Components	Zone	Software
	Installation		
12	OBPM Database	Database	Oracle Database 12c Enterprise Edition Release 12.2.0.1.0 Oracle Linux 6.8 / 7.1 64-bit
13	BIP	Document	Oracle Business Intelligence 12c (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 6.8 / 7.1 64-bit
14	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

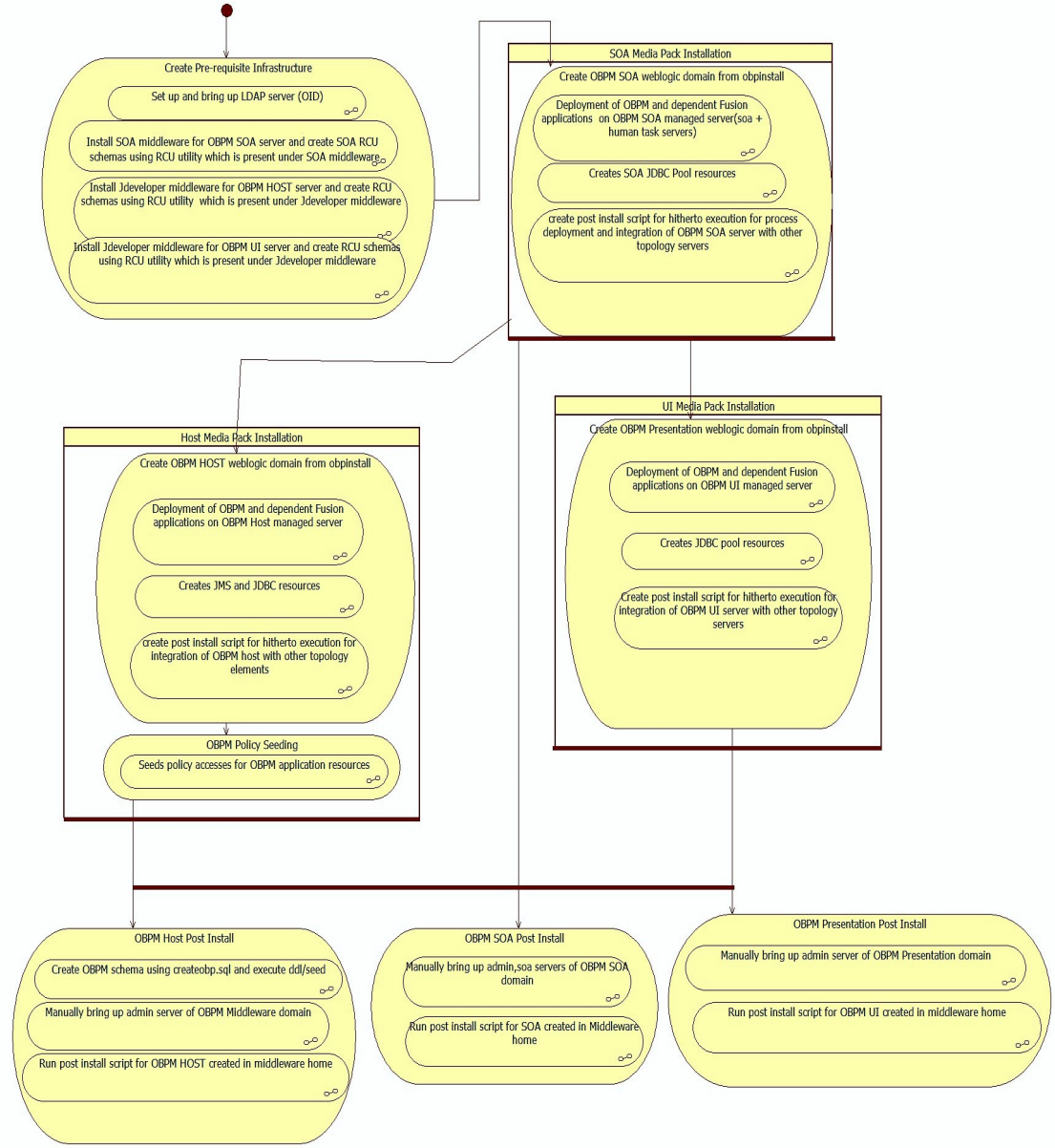
Serial Number	Description
1	OBPM release has been certified with OEL version 6.8 and above (7.0 and 7.1) during the release cycle. It is strongly recommended to use the versions on which the release is certified.
2	Oracle Business Intelligence Publisher is required at the time of OBPM installation. It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

Serial Number	Description
6	Oracle Access Manager can be installed later.
7	During installation, password of unix user will be asked multiple times for “scp” “ssh”. There is a time limit for entering password. If not entered within specified limit, the installation is likely to exit. User should take care of this.
8	It is mandatory for machine nodes on which OBPM UI, Host, and SOA Media pack installation is planned, to install the Java Cryptography Extensions Unlimited Strength Jurisdiction Policy Files, to enable additional encryption strengths.
9	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: https://www.oracle.com/technetwork/java/javase/downloads/jce-all-download-5170447.html Copy “local_policy.jar” and “US_export_policy.jar” from inside this zip file in the path mentioned below. JAVA_HOME/jre/lib/security/
10	It is mandatory that the team installing OBPM 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 url 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 OBPM 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
11	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.
12	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: http://aru.us.oracle.com:8080/ARU/ViewPatchRequest/process_form?aru=22513715

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 Party Management:

Figure 2–1 Installation Overview



2.3 Installation Checklist

It is mandatory that the team installing OBPM 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 OBPM 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	Y	
4	OID_FARM_AND_POLICY_SEEDING_FLAG	Flag for policy seeding	Y	
5	BIP_REPORTS_UPLOADING_FLAG	Flag for BIP reports uploading	Y	
6	REMOTE_EXECUTION	Flag for executing installer remotely	Y	
7	SECURITY_ENABLED	Flag for security enable	Y	
8	LOCAL_IP	I/P of the local machine which could be a windows machine on which software like XManager is installed for rendering UI of a utility executing on a remote Linux server.	10.180.84.110	
9	LOCAL_DISPLAY_VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	

Sr.No	Name	Description	Example Value	Value
10	DOMAIN_NAME	Weblogic Domain name	host_domain or ui_domain or base_domain	
11	DOMAIN_DIRECTORY_LOCATION	Location where DOMAIN_NAME folder will be created	/scratch/app/product/fmw/user_projects/domains	
12	WEBLOGIC_USERNAME	Username for weblogic domain	weblogic	
13	WEBLOGIC_PASSWORD	Password for weblogic domain	weblogic1	
14	ADMIN_SERVER_LISTEN_ADDRESS	Admin server listen address	10.180.84.110 (Do not use localhost)	
15	ADMIN_SERVER_LISTEN_PORT	Admin server listen port	7001	
16	ADMIN_SERVER_SSL_LISTEN_PORT	Admin server SSL listen port	7002	
17	MANAGED_SERVER_LISTEN_ADDRESS	Managed server listen address	10.180.84.110	
18	MANAGED_SERVER_LISTEN_PORT	Managed server listen port	8001	
19	MANAGED_SERVER_SSL_LISTEN_PORT	SSL listen port for managed server	8002	
20	LDAP_PROVIDER	Refers to LDAP Provider .Value will be OID or OVD.	OID	
21	OID_IP	I/P address of the OID server.	10.180.84.113	
22	OID_PORT	Port of the OID process instance.	3060	
23	OID_ADMIN_USER	Admin user id which can be used to login of the OID as administrator.	cn= orcladmin	
24	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
25	OID_GROUP_DSN	The DSN used for object class Groups in the OID ldap.	cn=Groups,dc=in,dc=oracle,dc=com	
26	OID_USER_DSN	The DSN used for object class Users in the OID ldap.	cn=Users,dc=in,dc=oracle,dc=com	

Sr.No	Name	Description	Example Value	Value
27	NODE_MGR_PORT	Refers to the port number to be used for the weblogic node manager. This port should either be free on the UI Presentation server or an existing weblogic node manager should be installed to listen on this port when the same is started.	5556	
28	HOST_CLUSTER_NAME	Refers to HOST cluster name	obphost_cluster1	
29	HOST_SERVER_NAME	Refers to HOST server name	obphost_server1	
30	HOST_JAVA_HOME	Refers to the home directory of java installation of the host machine. The version of java installed should be 1.8.0 or above. This is used to execute the OBP security policy seeding utility at the end of the installation.	/scratch/app/product/jdk1.8.0_101	
31	OUI_JAVA_HOME	Refers to the home directory of java installation. The version of java installed should be 1.8.101 . This is used for OBP patching.	/scratch/app/product/jdk1.8.0_101	
32	CENTRAL_INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oraInventory	
33	HOST_IP	I/P address of the server on which the OBP host or middleware layer should be installed.	10.180.84.110(Always use i/p , don't use localhost)	
34	HOST_TARGET	Refers to a location on the Host server where the installable can be transferred.	/scratch/install/target	

Sr.No	Name	Description	Example Value	Value
		The user id used for installation of OBP should have read, write and execute privileges on this directory.		
35	HOST_MW_HOME	Refers to the middleware home of the weblogic installation on the Host server.	/scratch/app/product/fmw	
36	UI_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of UI Admin server	10.180.84.111	
37	UI_ADMIN_SERVER_LISTEN_PORT	Listen port of UI Admin server	7001	
38	UI_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of UI managed server	10.180.84.111	
39	UI_MANAGED_SERVER_LISTEN_PORT	Listen port of UI managed server	8001	
40	UI_MANAGED_SERVER_SSL_LISTEN_PORT	Listen ssl port of UI managed server	8002	
41	SOA_ORACLE_HOME	Name of Oracle SOA which is present in fusion middleware.	soa	
42	SOA_IP	i/p address of SOA machine	10.180.84.112	
43	SOA_UNIX_USER	Unix username of SOA machine	ofssobp	
44	SOA_MW_HOME	Refers to the middleware home of the weblogic installation on the SOA server.	/scratch/app/product/fmw	
45	SOA_DOMAIN_NAME	Refers to the middleware home of the weblogic installation on the SOA server.	base_domain	
46	SOA_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of SOA server	10.180.84.112	
47	SOA_ADMIN_	Listen port of SOA	7001	

Sr.No	Name	Description	Example Value	Value
	SERVER_LISTEN_PORT	Admin server		
48	SOA_MANAGED_SERVER_LISTEN_PORT	Listen port of SOA server	8001	
49	SOA_WEBLOGIC_USERNAME	Username of the server of SOA domain	weblogic	
50	SOA_WEBLOGIC_PASSWORD	Password of the server of SOA domain	weblogic1	
51	UI_IP	I/P address of the server on which the OBP presentation or UI layer should be installed.	10.180.84.111	
52	UI_UNIX_USER	Linux login user id used to install the OBP UI solution.	ofssobp	
53	UI_DOMAIN_HOME	Refers to the domain name to be used for the weblogic domain of the OBP Presentation server	/scratch/app/product /fmw/user_projects /domains /ui_domain	
54	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
55	BIP_SERVER_IP	I/P of the BIP server to host OBP reports	10.180.84.115	
56	BIP_SERVER_PORT	Port of the BIP server that hosts OBP reports	9502	
57	BIP_UNIX_USER	Linux login user id for BIP server	ofssobp	
58	BIP_HOME	Oracle BIP Home directory on BIP server	/scratch/app/product/fmw/bi	
59	BIP_INSTANCE_PATH	Oracle BIP Instance directory on BIP server	/scratch/app/ product/fmw/ user_projects/ domains/bi_domain /bidata/	
60	BIP_SERVER_USER	Oracle BIP server user id	weblogic	

Sr.No	Name	Description	Example Value	Value
61	BIP_SERVER_PSWD	Oracle BIP server user password	weblogic1	
62	BIP_REPORT_BASE_PATH	Logical Base Path on Oracle BIP server under which OBP reports would be hosted	OBEDM27/R27INSTALLER	
63	BIP_DATASOURCE_NAME	OBP Host database user used by OBP report to fetch data for reports	OBEDM27	
64	IPM_UNIX_USER	Linux login user id for IPM server	ofssobp	
65	IPM_SERVER_IP	IP of Oracle Image and Processing Server for OBP Content Management	10.180.84.114	
66	IPM_SERVER_PORT	Port of Oracle Image and Processing Server for OBP Content Management	16000	
67	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
68	OAAM_SERVER_IP	OAAM server IP for 2FA. OAAM_SERVER_IP refers to the ip address of OAAM Server (i.e. the IP of default server name as oaam_server_server1)	oaam-ofss.com	
69	OAAM_SERVER_PORT	OAAM server Port for 2FA. OAAM_SERVER_PORT refers to the port of OAAM Server (default server name as oaam_server_server1)	14000	
70	OIM_SERVER_IP	Oracle Identity Manager IP	oim-ofss.com	
71	OIM_SERVER_PORT	Oracle Identity Manager Port	16000	

Sr.No	Name	Description	Example Value	Value
72	OFSAA_SERVER_IP	OFSAA Server IP	ofsaa-ofss.com	
73	OFSAA_SERVER_PORT	OFSAA Server Port	17000	
74	DOCUMAKER_SERVER_IP	i/p address of Documaker server	documaker-ofss.com	
75	DOCUMAKER_SERVER_PORT	Listen port of Documaker server	15000	
76	BAM_SERVER_NAME	Bam sever listen address	bam-ofss.com	
77	BAM_SERVER_PORT	BAM managed server port	9003	
78	ODI_SERVER_NAME	ODI server listen address	odi-ofss.com	
79	ODI_SERVER_PORT	ODI server listen port	8001	
80	OBP_HOST_DB_USER	OBP Host database user	OBPM27	
81	OBP_HOST_DB_PASSWORD	OBP Host database password	welcome1	
82	OBP_HOST_DB_IP	OBP Host database i/p address	10.180.84.113	
83	OBP_HOST_DB_PORT	OBP Host database port	1521	
84	OBP_HOST_DB_SERVICE_NAME	OBP Host database service name	P84113A	
85	ONS_NODE	i/p address of ONS service	10.180.84.113	
86	ONS_PORT	Listen port of ONS service	6250	
87	OPSS_HOST_SCHEMA_USER	OPSS Host schema user	PRDHOST_OPSS	
88	OPSS_HOST_SCHEMA_PASSWORD	OPSS Host schema password	welcome1	
89	OPSS_HOST_DB_IP	OPSS Host DB IP	10.180.84.113	
90	OPSS_HOST_DB_PORT	OPSS Host DB Port	1521	
91	OPSS_HOST_DB_SERVICE_NAME	OPSS Host database service name	P84113A	
92	LOCAL_DATASOURCE	STB datasource schema name	PRDHOST_STB	

Sr.No	Name	Description	Example Value	Value
93	MDS_HOST_DB_USER	MDS schema user to be used by UI and Host domain	UI27_MDS	
94	MDS_HOST_DB_ PASSWORD	MDS schema Password of MDS schema user to be used by UI and Host domain	welcome1	
95	MDS_HOST_DB_IP	MDS DB IP address of MDS schema user to be used by UI and Host domain	10.180.84.113	
96	MDS_HOST_DB_PORT	MDS db port of MDS schema user to be used by UI and Host domain	1521	
97	MDS_HOST_DB_ SERVICE_NAME	MDS db service name of MDS schema user to be used by UI and Host domain	P84113A	
98	OPSS_SOA_SCHEMA_ USER	SOA OPSS schema name	SOA27_OPSS	
99	OPSS_SOA_AUDIT_ DBDS	SOA OPSS Audit schema name	SOA27_IAU_APPEND	
100	OPSS_SOA_AUDIT_ VIEWDS	SOA OPSS Audit View schema name	SOA27_IAU_VIEWER	
101	OPSS_SOA_SCHEMA_ PASSWORD	Password of SOA OPSS schema name	welcome1	
102	OPSS_SOA_DB_IP	IP address of SOA OPSS DB machine	10.180.84.113	
103	OPSS_SOA_DB_PORT	Port of SOA OPSS DB	1521	
104	OPSS_SOA_DB_ SERVICE_NAME	Service name of SOA OPSS DB	P84113A	
105	HOST_ADMIN_JVM_ PARAMS	Host domain admin JVM startup parameters	-Xms512m -Xmx1g	
106	HOST_MANAGED_ JVM_PARAMS	Host domain managed JVM startup parameters	-Xms1g -Xmx3g -XX:+UseG1GC -XX:ParallelGCThreads=8 -XX:ConcGCThreads=2 -XX:+UseStringDeduplication	

Sr.No	Name	Description	Example Value	Value
107	KEYSTORE_PASSWORD	Password for generating certificate	welcome1	
108	IPM_OUTBOUND_USERNAME	IPM Username created in connector	weblogic	
109	IPM_OUTBOUND_PASSWORD	Password for the IPM user in connector	weblogic1	
110	BIP_OUTBOUND_USERNAME	BIP Username created in connector	weblogic	
111	BIP_OUTBOUND_PASSWORD	Password for the BIP user in connector	weblogic1	
112	ODI_OUTBOUND_USERNAME	ODI Username created in connector	weblogic	
113	ODI_OUTBOUND_PASSWORD	Password for the ODI user in connector	weblogic1	
114	OIM_OUTBOUND_USERNAME	OIM Username created in connector	weblogic	
115	OIM_OUTBOUND_PASSWORD	Password for the OIM user in connector	weblogic1	
116	WCM_OUTBOUND_USERNAME	WCM Username created in connector	weblogic	
117	WCM_OUTBOUND_PASSWORD	Password for the WCM user in connector	weblogic1	
118	OFFLINE_CHANNEL_OUTBOUND_USERNAME	Offline Username created in connector	offlineuser	
119	OFFLINE_CHANNEL_OUTBOUND_PASSWORD	Password for the Offline user in connector	welcome1	
120	SAML_ISSUER_OUTBOUND_USERNAME	SAML ISSUER Username created in connector	weblogic	
121	SAML_ISSUER_OUTBOUND_PASSWORD	Password for the SAML ISSUER user in connector	weblogic1	
122	BPEL_ENCRYPTION_OUTBOUND_USERNAME	BPEL_ENCRYPTION Username created in connector	weblogic	
123	BPEL_ENCRYPTION_OUTBOUND_PASSWORD	Password for the BPEL_ENCRYPTION user	weblogic1	

Sr.No	Name	Description	Example Value	Value
		in connector		
124	FTP_IPM_OUTBOUND_USERNAME	FTP IPM Username created in connector	weblogic	
125	FTP_IPM_OUTBOUND_PASSWORD	Password for the FTP IPM user in connector	weblogic1	
126	FTP_BIP_OUTBOUND_USERNAME	FTP BIP Username created in connector	weblogic	
127	FTP_BIP_OUTBOUND_PASSWORD	Password for the FTP BIP user in connector	weblogic1	
128	BIP_USR_OUTBOUND_USERNAME	BIP Username created in connector	weblogic	
129	BIP_USR_OUTBOUND_PASSWORD	Password for the BIP user in connector	weblogic1	
130	SOA_PURGING_OUTBOUND_USERNAME	SOA Username created in connector	weblogic	
131	SOA_PURGING_OUTBOUND_PASSWORD	Password for the SOA user in connector	weblogic1	
132	SOA_OUTBOUND_USERNAME	SOA Username created in connector	weblogic	
133	SOA_OUTBOUND_PASSWORD	Password for the SOA user in connector	weblogic1	
134	ATMUSER_OUTBOUND_USERNAME	ATM Username created in connector	ATMUser	
135	ATMUSER_OUTBOUND_PASSWORD	Password for the ATM user in connector	welcome1	
136	POSUSER_OUTBOUND_USERNAME	POS Username created in connector	POSUser	
137	POSUSER_OUTBOUND_PASSWORD	Password for the POS user in connector	welcome1	
138	DMSHOST_OUTBOUND_USERNAME	DMS HOST Username created in connector	weblogic	

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

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

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

Sr.No	Name	Description	Example Value	Value
		installer remotely		
191	SECURITY_ENABLED	Flag for security enable	Y	
192	IPM_INSTALLED	Flag for if IPM is installed	Y	
193	BIP_INSTALLED	Flag for if BIP is installed	N	This value must be N.
194	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	
195	LOCAL_DISPLAY_VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
196	DOMAIN_NAME	Weblogic Domain name	Host_domain or ui_domain or base_domain	
197	DOMAIN_DIRECTORY_LOCATION	Location where DOMAIN_NAME folder will be created	/scratch/app/product/fmw/user_projects/domains	
198	WEBLOGIC_USERNAME	Username for weblogic domain	weblogic	
199	WEBLOGIC_PASSWORD	Password for weblogic domain	weblogic1	
200	LOCAL_DATASOURCE	Username of LOCAL_DATASOURCE	PRDUI_STB	
201	OPSS_UI_SCHEMA_USER	OPSS UI schema name	PRDUI_OPSS	
202	OPSS_UI_SCHEMA_PASSWORD	OPSS UI schema password	Welcome1	
203	OPSS_UI_DB_IP	OPSS UI DB IP	10.180.84.113	
204	OPSS_UI_DB_PORT	OPSS UI DB PORT	1521	
205	OPSS_UI_DB_SERVICE_NAME	OPSS UI DB SERIVICE NAME	P84113A	

Sr.No	Name	Description	Example Value	Value
206	MDS_SCHEMA_USER	MDS schema name	PRDUI _MDS	
207	MDS_SCHEMA_ PASSWORD	Password of MDS schema	welcome1	
208	MDS_DB_IP	MDS DB IP	10.180.84.113	
209	MDS_DB_PORT	MDS DB PORT	1521	
210	MDS_DB_SERVICE_ NAME	MDS DB SERVIVE NAME	P84113A	
211	OPSS_SOA_SCHEMA_ USER	SOA OPSS Schema name	PRDSOA _OPSS	
212	OPSS_SOA_AUDIT_ DBDS	SOA OPSS AUDIT schema name	PRDSOA_IAU_APPEND	
213	OPSS_SOA_AUDIT_ VIEWDS	SOA OPSS AUDIT VIEWDB Schema name	PRDSOA_IAU_VIEWER	
214	OPSS_SOA_SCHEMA_ PASSWORD	SOA OPSS password for above three OPSS schema	welcome1	
215	OPSS_SOA_DB_IP	Service name of UI OPSS DB	10.180.84.113	
216	OPSS_SOA_DB_PORT	SOA OPSS DB PORT	1521	
217	OPSS_SOA_DB_ SERVICE_NAME	SOA OPSS DB SERVICE NAME	P84113A	
218	HOST_SCHEMA_ USER	OBP Host Database username	OBPM27	
219	HOST_SCHEMA_ PASSWORD	OBP Host Database password	welcome1	
220	HOST_DB_IP	OBP Host Database i/p address	10.180.84.113	
221	HOST_DB_PORT	OBP Host Database listen port	1521	
222	HOST_DB_SERVICE_ NAME	OBP Host Database service name	P84113A	
223	ONS_NODE	i/p address of ONS service	10.180.84.113	
224	ONS_PORT	Listen port of ONS service	6250	
225	ADMIN_SERVER_ LISTEN_ADDRESS	Admin server listen address	10.180.84.111	
226	ADMIN_SERVER_	Admin server listen	7001	

Sr.No	Name	Description	Example Value	Value
	LISTEN_PORT	port		
227	ADMIN_SERVER_SSL_LISTEN_PORT	Admin server SSL listen port	7002	
228	MANAGED_SERVER_LISTEN_ADDRESS	Managed server listen address	10.180.84.111	
229	MANAGED_SERVER_LISTEN_PORT	Managed server listen port	8001	
230	MANAGED_SERVER_SSL_LISTEN_PORT	Managed server SSL listen port	8002	
231	LDAP_PROVIDER	Refers to LDAP Provider .Value will be OID or OVD.	OID	
232	OID_IP	I/P address of the OID server	10.180.84.113	
233	OID_PORT	Port of the OID process instance.	3060	
234	OID_ADMIN_USER	Admin user id which can be used to login of the OID as administrator.	cn=orcladmin	
235	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
236	OID_GROUP_DSN	The DSN used for object class Groups in the OID ldap.	cn=Groups,dc=in,dc=oracle,dc=com	
237	OID_USER_DSN	The DSN used for object class Users in the OID ldap.	cn=Users,dc=in,dc=oracle,dc=com	
238	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	
239	UI_IP	I/P address of the server on which the OBP presentation or	10.180.84.111	

Sr.No	Name	Description	Example Value	Value
		UI layer should be installed.		
240	UI_CLUSTER_NAME	Name of UI Managed Cluster	obpui_cluster1	
241	UI_SERVER_NAME	Name of UI Managed Server	obpui_server1	
242	UI_TARGET	Refers to a location on the UI server where the installables can be transferred. The user id of the use used for installation of OBP should have read, write and execute privileges on this directory.	/scratch/install/target	
243	UI_MW_HOME	Refers to the middleware home of the weblogic installation on the UI server.	/scratch/app/product/fmw	
244	UI_JAVA_HOME	Refers to the home directory of java installation. The version of java installed should be 1.8.0 or above. This is used to execute the OBP security policies policy seeding utility at the end of the installation.	/scratch/app/product/jdk1.8.0_101	
245	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	
246	CENTRAL_ INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oraInventory	
247	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
248	IPM_UNIX_USER	Linux login user id of	ofssobp	

Sr.No	Name	Description	Example Value	Value
		IPM server		
249	IPM_SERVER_IP	i/p address of IPM server	10.180.84.114	
250	IPM_SERVER_PORT	Listen port of IPM server	16000	
251	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
252	BIP_SERVER_IP	i/p address of BIP server	10.180.84.115	
253	BIP_SERVER_PORT	Listen port of BIP server	9502	
254	BIP_UNIX_USER	Linux login user id of BIP server	ofssobp	
255	BIP_HOME	Oracle BIP Home directory on BIP server	/scratch/app/product/fmw/bi	
256	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	
257	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	
258	OIM_SERVER_IP	Oracle Identity Manager i/p address	oim-ofss.com	
259	OIM_SERVER_PORT	Oracle Identity Manager Listen Port	16000	
260	OFSAA_SERVER_IP	OFSAA Server i/p address	ofsaa-ofss.com	
261	OFSAA_SERVER_PORT	OFSAA Server listen port	17000	
262	UI_ADMIN_JVM_	UI domain admin	-Xms2048m	

Sr.No	Name	Description	Example Value	Value
	PARAMS	JVM startup parameters	-Xmx4096m	
263	UI_MANAGED_JVM_PARAMS	UI domain managed JVM startup parameters	-Djbo.ampool.doampooling=false -Xms6g -Xmx6g -XX:NewSize=512m -XX:MaxNewSize =2048m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiating Occupancy Fraction=75 -Djbo.load.components.lazily=true	
264	HOST_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of HOST admin server	10.180.84.110	
265	HOST_ADMIN_SERVER_LISTEN_PORT	Listen port of HOST admin server	7001	
266	HOST_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of host managed server	10.180.84.110	
267	HOST_MANAGED_SERVER_LISTEN_PORT	Listen port of host managed server	8001	
268	SOA_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of SOA server	10.180.84.112	
269	SOA_MANAGED_SERVER_LISTEN_PORT	Listen port of SOA server	8001	
270	SOA_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of Admin SOA server	10.180.84.112	
271	SOA_ADMIN_SERVER_LISTEN_PORT	Listen port of Admin SOA server	7001	
272	KEYSTORE_PASSWORD	Password for generating certificate	welcome1	

Sr.No	Name	Description	Example Value	Value
273	UI_SSL_PASSWORD	Password for configuring SSL in UI domain	welcome1	
274	UCM_READ_FROM_URL	Flag for getting UCM URL from properties file. 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. However, as a best practice, it is recommended that we configure values for UCP_IP and UCM_PORT correctly from day 1	true/false	
275	UCM_IP	UCM_IP the IP address of the UCM WebLogic managed server.	ofss.ucm.com	
276	UCM_PORT	Port of UCM.	4444	
277	OFFLINE_CHANNEL_OUTBOUND_USERNAME	Offline username created in connector	offlineuser	
278	OFFLINE_CHANNEL_OUTBOUND_PASSWORD	Password for the Offlineuser user in connector	welcome1	
279	CARD_USERNAME	Username of Card connector.	orakey	
280	CARD_PASSWORD	Password of Card connector.	welcome1	
281	RULE_USERNAME	Username of Rule connector	orakey	

Sr.No	Name	Description	Example Value	Value
282	RULE_PASSWORD	Password of Rule connector	welcome1	
283	USER_TIMEZONE	Time zone entry	+5:30	
284	REMOTE_EXECUTION	Flag for executing installer remotely	Y	
285	IPM_USERNAME	Username of IPM connector	weblogic	
286	IPM_PASSWORD	Password of IPM connector	weblogic1	
287	FTP_IPM_USERNAME	Username of FTP_IPM connector	ofssobp	
288	FTP_IPM_PASSWORD	Password of FTP_IPM connector	ofssobp123	
289	FTP_IPM_BATCH_USERNAME	Username of FTP_IPM_BATCH	ofssobp	
290	FTP_IPM_BATCH_PASSWORD	Password of FTP_IPM_BATCH	ofssobp123	
291	HOST_UNIX_USER	Linux login user id for HOST server	ofssobp	
292	HOST_MW_HOME	Refers to the middleware home of the weblogic installation on the Host server.	/scratch/app/product/fmw	
293	SOA_MW_HOME	Refers to the middleware home of the weblogic installation on the SOA server.	/scratch/app/product/fmw	
294	SOA_DOMAIN_NAME	SOA Domain Name	base_domain	
295	SILENT_INSTALL	Flag for installing silent or interactive mode	y	
296	SECURITY_ENABLED	Flag for security enable	Y	
297	IPM_INSTALLED	Flag for if IPM is installed	Y	
298	BIP_INSTALLED	Flag for if BIP is installed	Y	
299	LOCAL_IP	I/P of the local machine which could be a windows	10.180.84.112	

Sr.No	Name	Description	Example Value	Value
		machine on which software like XManager is installed for rendering UI of a utility executing on a remote Linux server.		
300	LOCAL_DISPLAY_VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
301	DOMAIN_NAME	Name of the weblogic domain to be created	Host_domain or ui_domain or base_domain	
302	DOMAIN_DIRECTORY_LOCATION	Location where DOMAIN_NAME folder will be created	/scratch/app/product/fmw/user_projects/domains	
303	WEBLOGIC_USERNAME	Username for weblogic domain	weblogic	
304	WEBLOGIC_PASSWORD	Password for weblogic domain	weblogic1	
305	MDS_SCHEMA_USER	MDS schema user for SOA domain	SOA27_MDS	
306	SOA_INFRASTRUCTURE_SCHEMA_USER	SOA infrastructure schema user for SOA domain	SOA27_SOAINFRA	
307	LOCAL_DATASOURCE	Local schema user for SOA domain	SOA27_STB	
308	UMS_DATASOURCE	UMS schema user for SOA domain	SOA27_UMS	
309	DB_SCHEMA_PASSWORD	Password for MDS schema user	welcome1	
310	DB_IP	i/p address of MDS db machine	10.180.84.113	
311	DB_PORT	Port of MDS db port	1521	
312	DB_SERVICE_NAME	Service Name of MDS user	P84113A	
313	HOST_SCHEMA_USER	OBP Host Database username	OBPM27	
314	HOST_SCHEMA_PASSWORD	OBP Host Database password	welcome1	
315	HOST_DB_IP	OBP Host Database i/p address	10.180.84.113	

Sr.No	Name	Description	Example Value	Value
316	HOST_DB_PORT	OBP Host Database port	1521	
317	HOST_DB_SERVICE_NAME	OBP Host Database service name	P84113A	
318	ONS_NODE	i/p address of ONS service	10.180.84.113	
319	ONS_PORT	Port of ONS service	6250	
320	OPSS_SOA_SCHEMA_USER	SOA OPSS Schema Name	SOA27_OPSS	
321	OPSS_SOA_AUDIT_DBDS	SOA OPSS AUDIT Schema name	SOA27_IAU_APPEND	
322	OPSS_SOA_AUDIT_VIEWDS	SOA OPSS AUDIT VIEWDS Schema name	SOA27_IAU_VIEWER	
323	OPSS_SOA_SCHEMA_PASSWORD	Password of OPSS_SOA_SCHEMA_USER	welcome1	
324	OPSS_SOA_DB_IP	i/p address of SOA OPSS DB.	10.180.84.113	
325	OPSS_SOA_DB_PORT	Port of SOA OPSS DB.	1521	
326	OPSS_SOA_DB_SERVICE_NAME	Service name of SOA OPSS DB.	P84113A	
327	ADMIN_SERVER_LISTEN_ADDRESS	Admin server listen address	10.180.84.112	
328	ADMIN_SERVER_LISTEN_PORT	Admin server listen port	7001	
329	ADMIN_SERVER_SSL_LISTEN_PORT	Admin server SSL listen address	7002	
330	SOA_SERVER_LISTEN_ADDRESS	Listen address of SOA server	10.180.84.112	
331	SOA_SERVER_LISTEN_PORT	Listen port of SOA server	8001	
332	SOA_SERVER_SSL_LISTEN_PORT	SSL Listen port of SOA server	8002	
333	HUMANTASK_SERVER_LISTEN_ADDRESS	Listen address of humantask server	10.180.84.112	
334	HUMANTASK_SERVER_LISTEN_PORT	Listen port of humantask server	9001	

Sr.No	Name	Description	Example Value	Value
335	HUMANTASK_SERVER_SSL_LISTEN_PORT	SSL listen port of humantask server	9002	
336	BAM_SERVER_LISTEN_ADDRESS	Listen address of BAM server	10.180.84.112	
337	BAM_SERVER_LISTEN_PORT	Listen port of BAM server	9003	
338	BAM_SERVER_SSL_LISTEN_PORT	SSL Listen port of BAM server	9004	
339	HOST_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of HOST admin server	10.180.84.110	
340	HOST_ADMIN_SERVER_LISTEN_PORT	Listen port of HOST admin server	7001	
341	HOST_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of host managed server	10.180.84.110	
342	HOST_MANAGED_SERVER_LISTEN_PORT	Listen port of host managed server	8001	
343	LDAP_PROVIDER	Refers to LDAP Provider .Value will be OID or OVD.	OID	
344	OID_IP	I/P address of the OID server.	10.180.84.113	
345	OID_PORT	Port of the OID process instance.	389	
346	OID_ADMIN_USER	Admin user id which can be used to login of the OID as administrator.	cn	
347	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
348	OID_GROUP_DSN	The DSN used for object class Groups in the OID ldap.	cn=Groups,dc=in,dc=oracle,dc=com	
349	OID_USER_DSN	The DSN used for object class Users in the OID ldap.	cn=Users,dc=in,dc=oracle,dc=com	
350	NODE_MGR_PORT	Refers to the port number to be used for	5556	

Sr.No	Name	Description	Example Value	Value
		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		
351	SOA_IP	i/p address of SOA server	10.180.84.112	
352	SOA_CLUSTER_NAME	Cluster name of SOA server	obpsoa_cluster1	
353	SOA_SERVER_NAME	Server name of SOA server	soa_server1	
354	HUMAN_TASK_ CLUSTER_NAME	Cluster name of Humantask server	obphumantask_cluster1	
355	HUMAN_TASK_ SERVER_NAME	Server name of Humantask server	obphumantask_server1	
356	SOA_TARGET	Target folder of SOA machine where files will be copied temporarily during installation	/scratch/install/target	
357	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	
358	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	
359	CENTRAL_ INVENTORY_LOC	Refers to the path of central inventory.	/scratch/app/oraInventory/	

Sr.No	Name	Description	Example Value	Value
		This path is used for oui patching.		
360	SOA_MW_HOME	Refers to the middleware home of the weblogic installation on the SOA server.	/scratch/app/product/fmw	
361	UI_IP	i/p address of UI server	10.180.84.111	
362	UI_UNIX_USER	Linux login user id for UI server	ofssobp	
363	UI_DOMAIN_HOME	Full path of UI domain	/scratch/app/ product/fmw/ user_projects/ domains /ui_domain	
364	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
365	SOA_ADMIN_JVM_ PARAMS	SOA domain admin JVM startup parameters	-Xms1024m -Xmx2048m	
366	SOA_ HUMANTASKSERVE R_JVM_PARAMS	SOA domain human task server's JVM startup parameters	-Djbo.ampool. doampooling=false –Xms12g -Xmx12g -XX:NewSize= 512m -XX:MaxNewSize =2048m -XX: +UseParNewGC -XX:+ CMSParallel RemarkEnabled -XX:+UseConcMark SweepGC -XX:CMSInitiating OccupancyFraction=75 -Dobp.http. maxRetryCount=1 -Dobp.http .socketBufferSize=81	
367	SOA_MANAGED_JVM_ PARAMS	SOA domain	-XX:NewSize	

Sr.No	Name	Description	Example Value	Value
		managed soa server's JVM startup parameters	=2048m -XX:MaxNewSize =4096m -XX:+UsePa rNewGC -XX: +CMSPar allelRemarkEnabled -XX:+UseCo ncMarkSweepGC -XX:CMSInit iatingOccupancy Fraction=75 -Xms11g -Xmx11g	
368	KEYSTORE_ PASSWORD	Password for generating certificate	welcome1	
369	UI_MANAGED_ SERVER_LISTEN_ ADDRESS	i/p address of UI Managed server	10.180.84.111	
370	UI_MANAGED_ SERVER_LISTEN_ PORT	Listen port of UI Managed server	8001	
371	UI_ADMIN_SERVER_ LISTEN_ADDRESS	i/p address of UI Admin server	10.180.84.111	
372	UI_ADMIN_SERVER_ LISTEN_PORT	Listen port of UI Admin server	7001	
373	DEFAULT_BANK_ CODE	Default bank code will be set while configuring SOA domain	8	
374	DEFAULT_ TRANSACTION_ BRANCH_CODE	Default branch code will be set while configuring SOA domain	89999	
375	DEFAULT_TARGET_ UNIT	Default target unit will be set while configuring SOA domain	OBP_BU	
346	CARD_USERNAME	Username of Card connector.	orakey	
377	CARD_PASSWORD	Password of Card connector	welcome1	
378	RULE_USERNAME	Username of Rule	orakey	

Sr.No	Name	Description	Example Value	Value
		connector		
379	RULE_PASSWORD	Password of Rule connector	welcome1	
380	USER_TIMEZONE	Time zone entry	+5:30	
381	SOA_SSL_ PASSWORD	Password for configuring SSL in SOA domain	welcome1	
382	REMOTE_EXECUTION	Flag for executing installer remotely	Y	
383	BAM_INSTALLATION	During SOA installation value should be 'N' During BAM installation value should be Y.	N	
384	IPM_USERNAME	Username of IPM connector	ofssobp	
385	IPM_PASSWORD	Password of IPM connector	welcome1	
386	OFFLINE_CHANNEL_ OUTBOUND_ USERNAME	Username of offline connector	offlineuser	
387	OFFLINE_CHANNEL_ OUTBOUND_ PASSWORD	Password of offline connector	welcome1	
388	FTP_IPM_USERNAME	Username of FTP_ IPM connector	ofssobp	
389	FTP_IPM_PASSWORD	Password of FTP_ IPM connector	ofssobp123	
390	FTP_IPM_BATCH_ USERNAME	Username of FTP_ IPM_BATCH connector	ofssobp	
391	FTP_IPM_BATCH_ PASSWORD	Password of FTP_ IPM_BATCH connector	ofssobp123	
392	SOA_OUTBOUND_ USERNAME	Username of SOA connector	weblogic	
393	SOA_OUTBOUND_ PASSWORD	Password of SOA connector	weblogic1	
394	IPM_SERVER_IP	i/p address of IPM server	10.180.84.114	
395	IPM_UNIX_USER	Linux login user id for	ofssobp	

Sr.No	Name	Description	Example Value	Value
		IPM server		
396	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
397	BIP_SERVER_IP	I/P of the BIP server to host OBP reports	10.180.84.115	
398	BIP_SERVER_PORT	Port of the BIP server that hosts OBP reports	9502	
399	BIP_UNIX_USER	Linux login user id for BIP server	ofssobp	
400	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 Party 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 OBPM Oracle DB server	10.180.90.30	
6.	Port of the OBPM Oracle DB instance	1521	
7.	OBPM DB Service Name	OBPMDB	
8.	OBPM DB sys password	**********	
9.	ONS NODE	10.180.90.30, Make sure ons service is started on DB.	

Sr. No.	Name	Description and Example	Value
10.	ONS Port	6250	
Additional UI Install Checklist			
11.	Admin user id and password for the OBPM 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 OBPM UI domain for: Admin server HTTP port for managed server HTTPS port for managed server	Default Values Admin Server Port: 7001 Managed Server http port: 15308 Managed Server https port: 15309	
13.	Password for the key generated to establish trust between the OBPM UI and Host.	Decide on the password to be used and note it. This is required for the post installation tasks of UI domain.	
14.	Password for keystore 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 OBPM 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 OBPM 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 OBPM 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 OBPM Schema

This section describes the OID Schema setup which is a pre-installation configuration required for Oracle Banking Party 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 OBPM 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=dsaconfig,cn=configsets,cn=oracle internet directory

   changetype: modify

   replace: orclecachemaxsize

   orclecachemaxsize: 3g

-

replace: orclecachemaxentries

orclecachemaxentries: 500000

Sample tune.ldif file

dn: cn=oid1,cn=osdldapd,cn=subconfigsubentry

changetype: modify

replace: orclserverprocs

orclserverprocs: 4

dn: cn=oid1,cn=osdldapd,cn=subconfigsubentry

changetype: modify

replace: orclmaxcc

orclmaxcc: 10

dn: cn=oid1,cn=osdldapd,cn=subconfigsubentry

changetype: modify

replace: orclgeneratechangelog

orclgeneratechangelog: 0

dn: cn=oid1,cn=osdldapd,cn=subconfigsubentry

changetype: modify

replace: orclldapconntimeout

orclldapconntimeout: 60

dn: cn=oid1,cn=osdldapd,cn=subconfigsubentry

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 alters 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; 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 OBPM-UI, OBPM-Host, OBPM-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.policyDistri
butionMode" value="mixed"/>
<property
name="oracle.security.jps.runtime.instance.name"
value="OracleIDM"/>
<property name="oracle.security.jps.runtime.pd.client.sm_
name" value="OracleIDM"/>
<property
name="oracle.security.jps.policystore.refresh.enable"
value="true"/>
```

b. Add following properties:

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

```
<propertySet name="props.db.1">
<property name="authorization_cache_enabled"
value="true"/>
<property name="connection.pool.min.size" value="20"/>
<property name="connection.pool.max.size" value="40"/>
<property name="connection.pool.provider.type"
value="IDM"/>
<property name="connection.pool.timeout" value="300000"/>
<property name="connection.pool.provider.type"
value="5"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.t
ype" value="STATIC"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.s
trategy" value="NONE"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.s
ize" value="100"/>
```

```
<property
name="oracle.security.jps.policystore.policy.lazy.load.e
nable" value="true"/>
<property
name="oracle.security.jps.policystore.policy.cache.strat
egy" value="NONE"/>
<property
name="oracle.security.jps.policystore.policy.cache.size"
value="1000000"/>
<property
name="oracle.security.jps.policystore.refresh.enable"
value="true"/>
<property
name="oracle.security.jps.policystore.refresh.purge.time
out" value="43200000"/>
<property
name="oracle.security.jps.ldap.policystore.refresh.inter
val" value="6000000"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.w
armup.enable" value="true"/>
</propertySet>
```

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

```
<serviceInstance name="pdp.service"
provider="pdp.service.provider">
<description>Runtime PDP service instance</description>
<property name="authorization_cache_enabled"
value="true"/>
<property name="connection.pool.min.size" value="20"/>
<property name="connection.pool.max.size" value="40"/>
<property name="connection.pool.provider.type"
value="IDM"/>
<property name="connection.pool.timeout" value="300000"/>
<property name="connection.pool.provider.type"
value="5"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.t
ype" value="STATIC"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.s
trategy" value="NONE"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.s
ize" value="100"/>
<property
```

```
name="oracle.security.jps.policystore.policy.lazy.load.e
nable" value="true"/>
<property
name="oracle.security.jps.policystore.policy.cache.strat
egy" value="NONE"/>
<property
name="oracle.security.jps.policystore.policy.cache.size"
value="1000000"/>
<property
name="oracle.security.jps.policystore.refresh.enable"
value="true"/>
<property
name="oracle.security.jps.policystore.refresh.purge.time
out" value="43200000"/>
<property
name="oracle.security.jps.ldap.policystore.refresh.inter
val" value="6000000"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.w
armup.enable" value="true"/>
</serviceInstance>
```

3. adf-config.xml (optional)

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

4. setDomainEnv.sh

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

Table 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.

Property	Description
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 to JpsSubject which contains user/enterprise-role information, as well as ApplicationRole information. This information is represented as principals in the subject. Value = 5: Instead of using the whole subject as the key, this settings uses a subset of the principal set inside the subject as the key (actually use principals of WLSUSerImpl type). This setting will accelerate the cache retrieval operation if the subject has a large principal set.
Djps.subject.cache.ttl=600000	Cache's Time To Live (TTL) for case '5' (above). This system property controls how long the cache is valid. 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. 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.

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 OBPM 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 OBPM.

If OIM is not part of the ecosystem and an initial sanity test of the OBPM 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
   ```

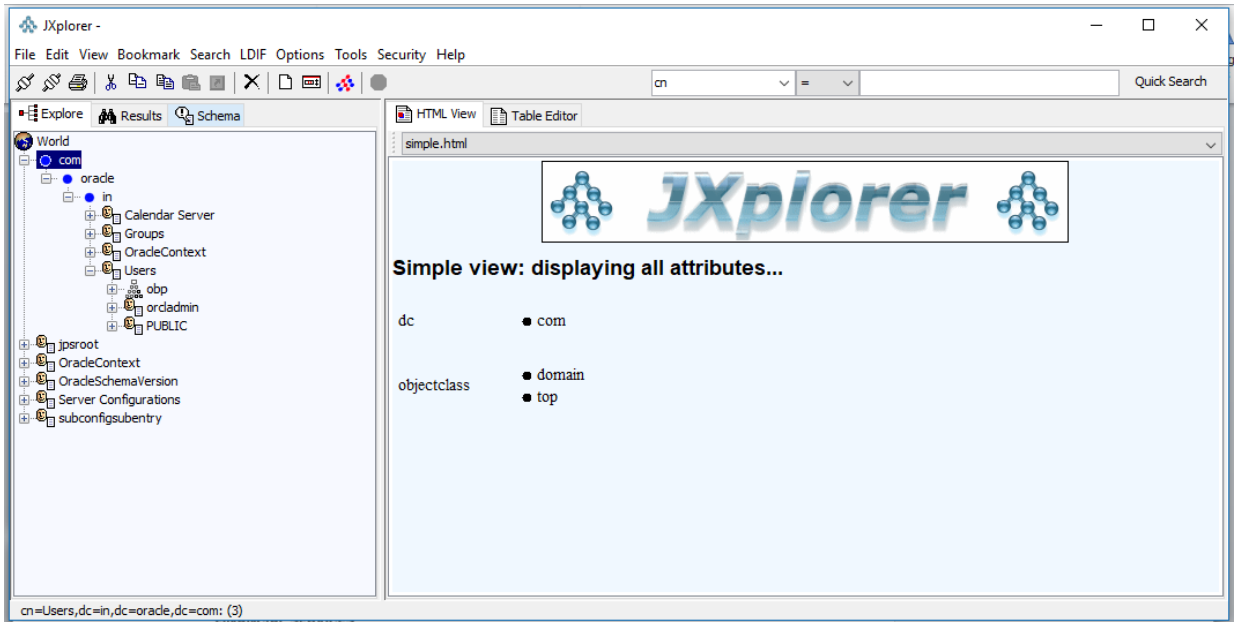
   ldapadd Administrators.ldif

   ```
   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 Party Management specific LDIF files can be verified using JXplorer.

Figure 2–2 JXplorer



3 OBPM US Localization SOA Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Party 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 OBPM US Localization SOA Media Pack.

3.1.1 Preparatory Steps

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

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

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in Section 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 OBPM 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 OBPM 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

OBPM 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:

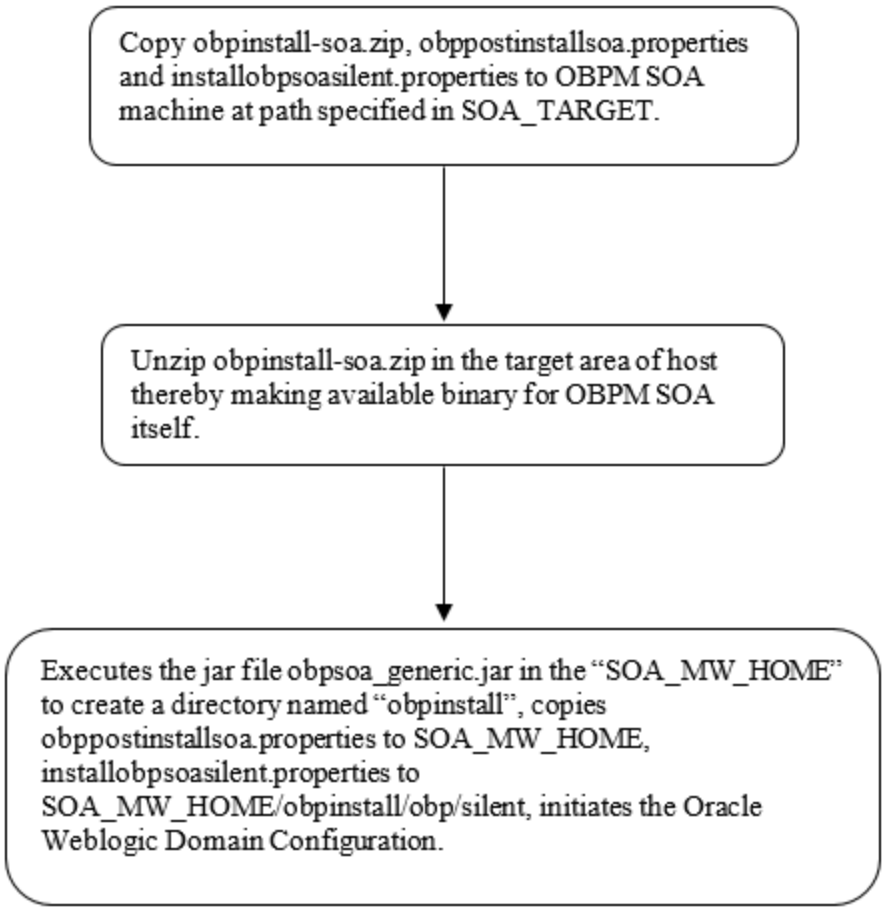
http://www.oracle.com/technetwork/database/availability/maa-fmwsharedstoragebestpractices-402094.pdf

3.1.3 Installation Steps

This section lists the installation steps required for the OBPM 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

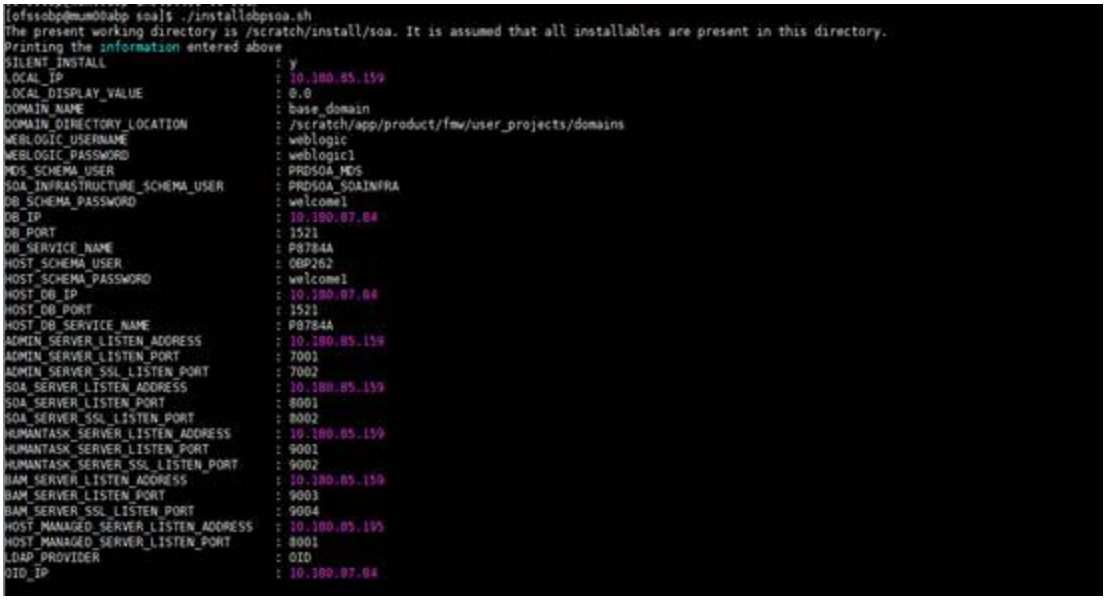


Figure 3–3 Verification of Properties

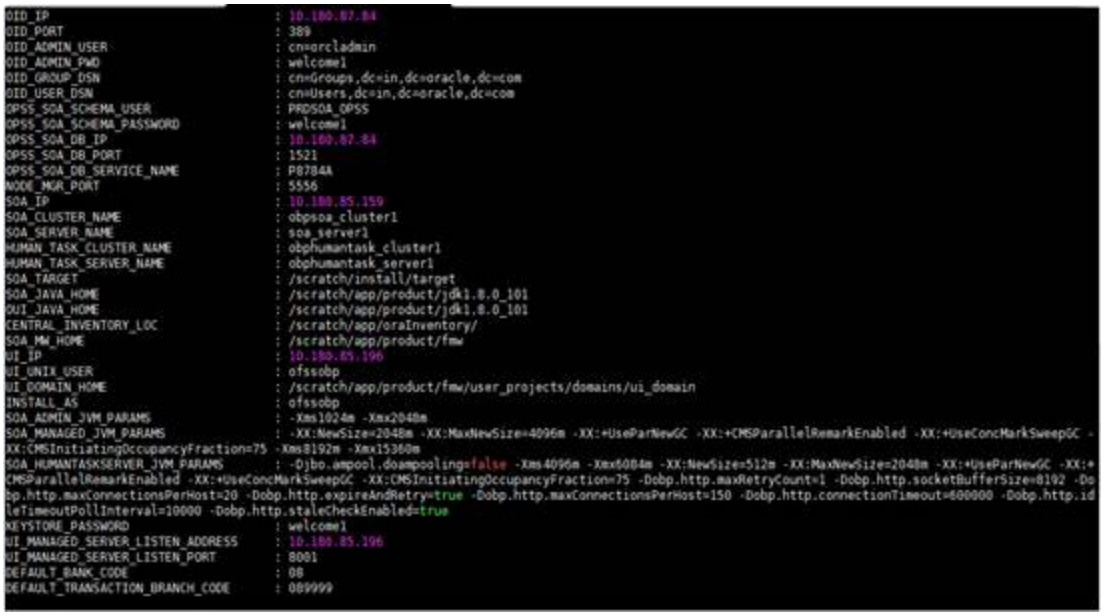
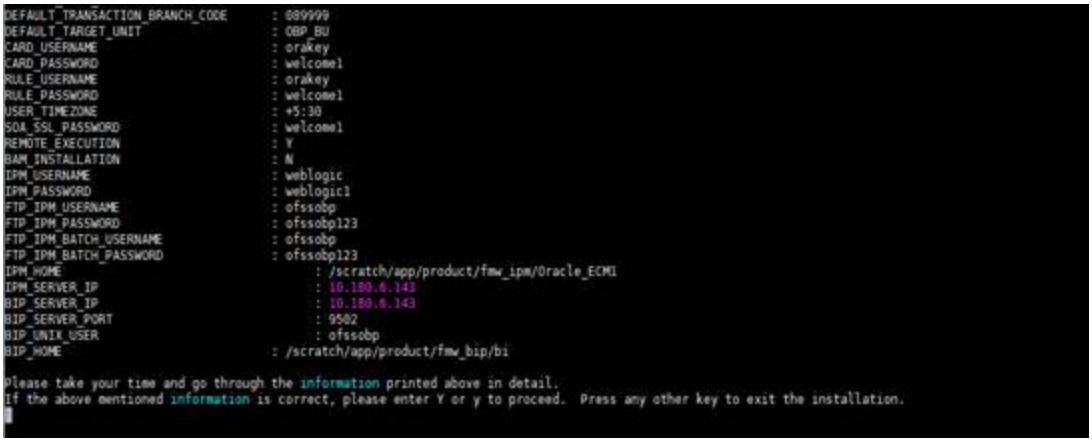


Figure 3–4 Confirmation to Proceed Domain Installation (cont.)



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-soa.zip

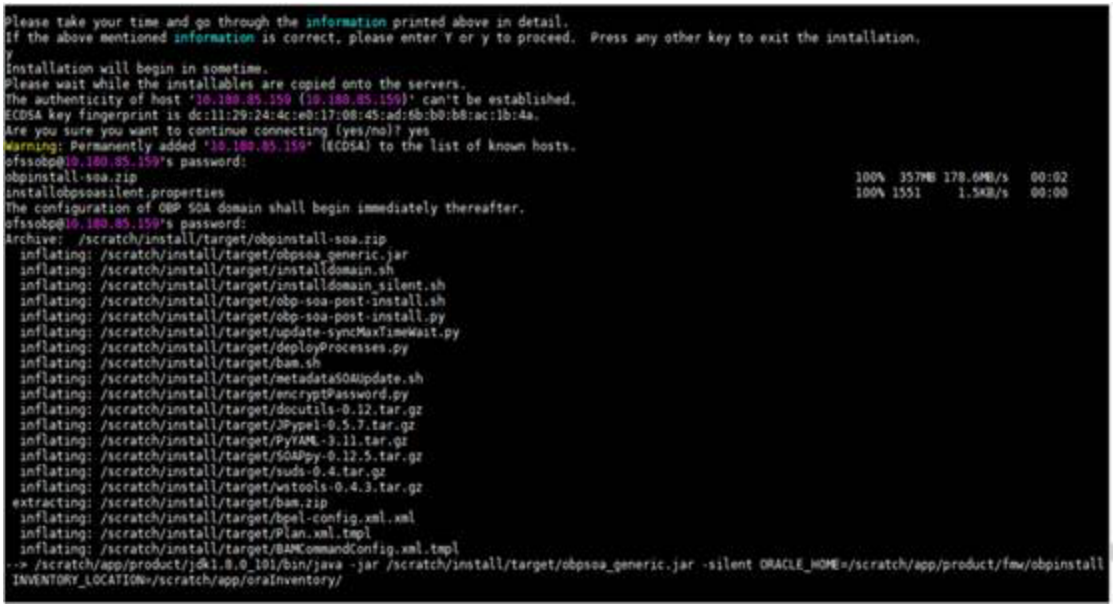


Figure 3–6 Copying and Extraction of obpinstall-soa.zip

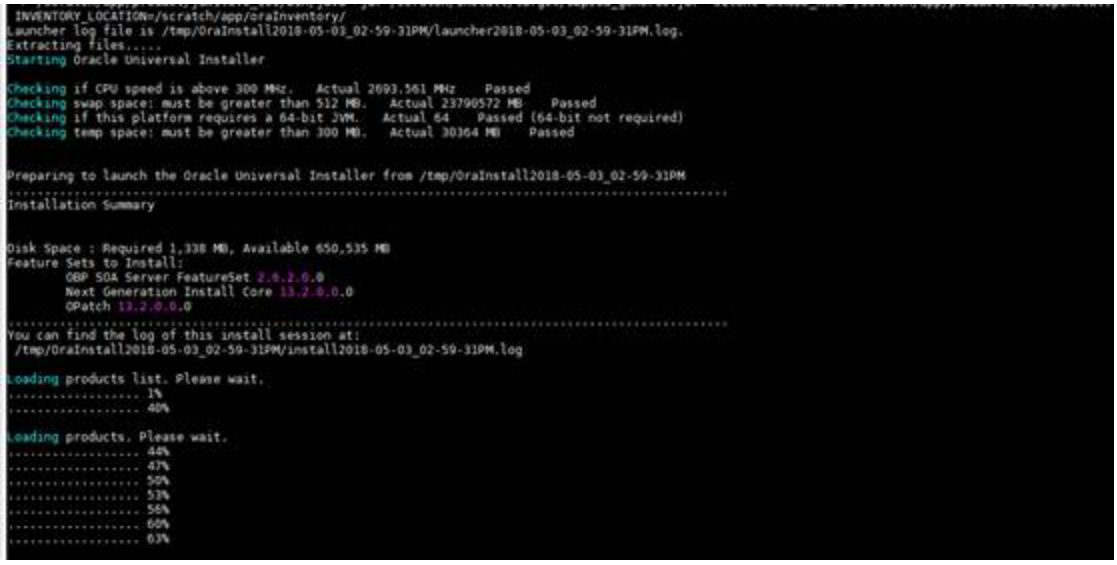


Figure 3–7 Copying and Extraction of obpinstall-soa.zip

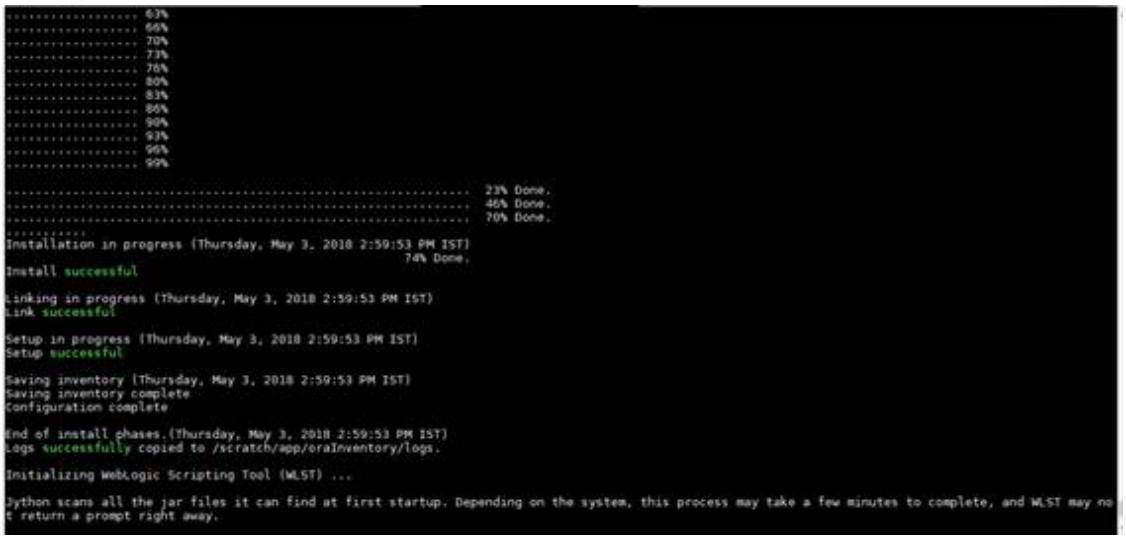


Figure 3–8 Domain Creation Confirmation

3.2 Post Installation Configuration

This section describes the post installation configuration procedure for OBPM 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 setDomainEnvSOA 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 OBPM 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

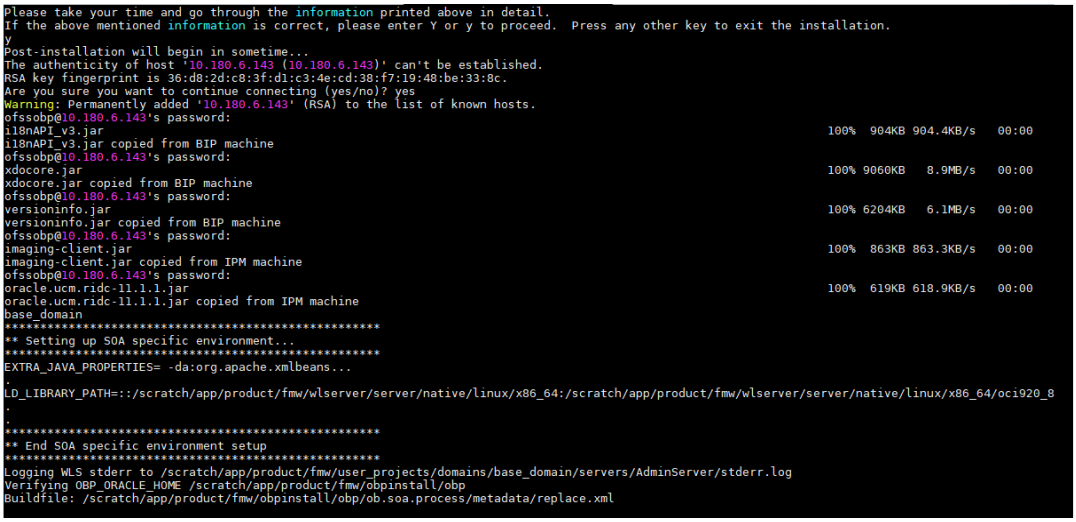
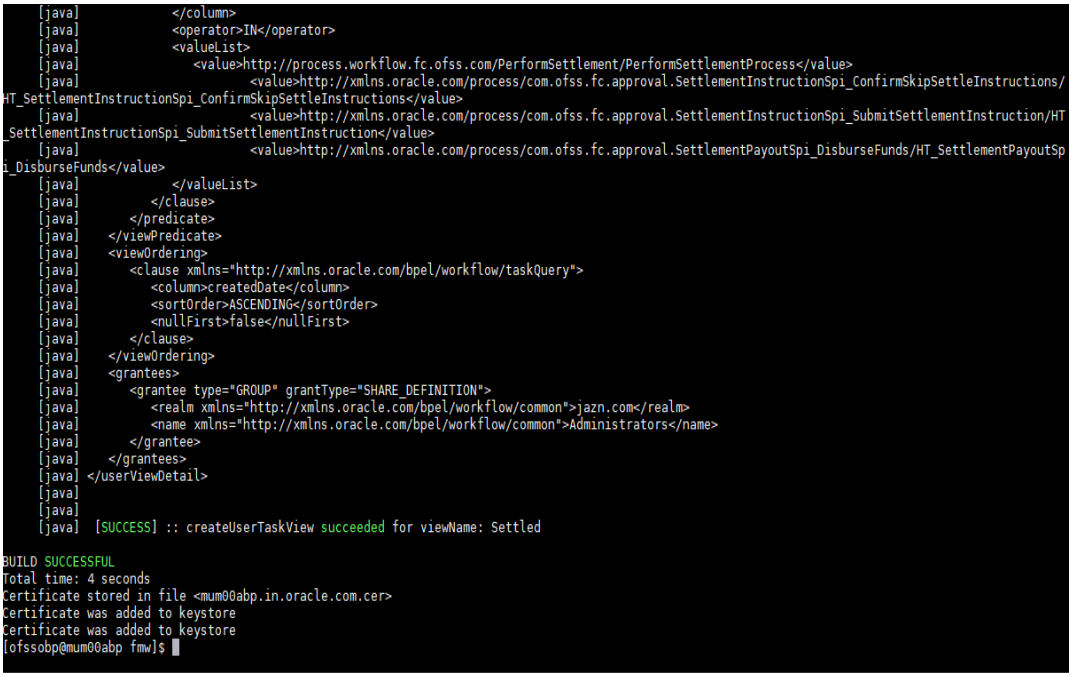


Figure 3–10 Starting Post Installation (contd)

Figure 3–11 SOA Post Installation Completion



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. Deselect the following flag for all the OBPM data sources:

   a. Log in to weblogic console
   b. Navigate to Data Sources > datasource name (eg. OBP_SYS_CONFIG) > Connection Pool > Advanced.
   c. Deselect the **Remove Infected Connections Enabled** check box.
   d. Add below parameter in obphumantask server memory parameters in setStartupEnv.sh

      -Dweblogic.servlet.DIDisabled=true.

   e. Restart SOA admin and SOA managed server and obphumantask server.

4 OBPM US Localization Host Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Party 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 OBPM US Localization Host Media Pack.

4.1.1 Preparatory Steps

This section lists the preparatory steps required for the OBPM 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 10 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 OBPM 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 OBPM 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.

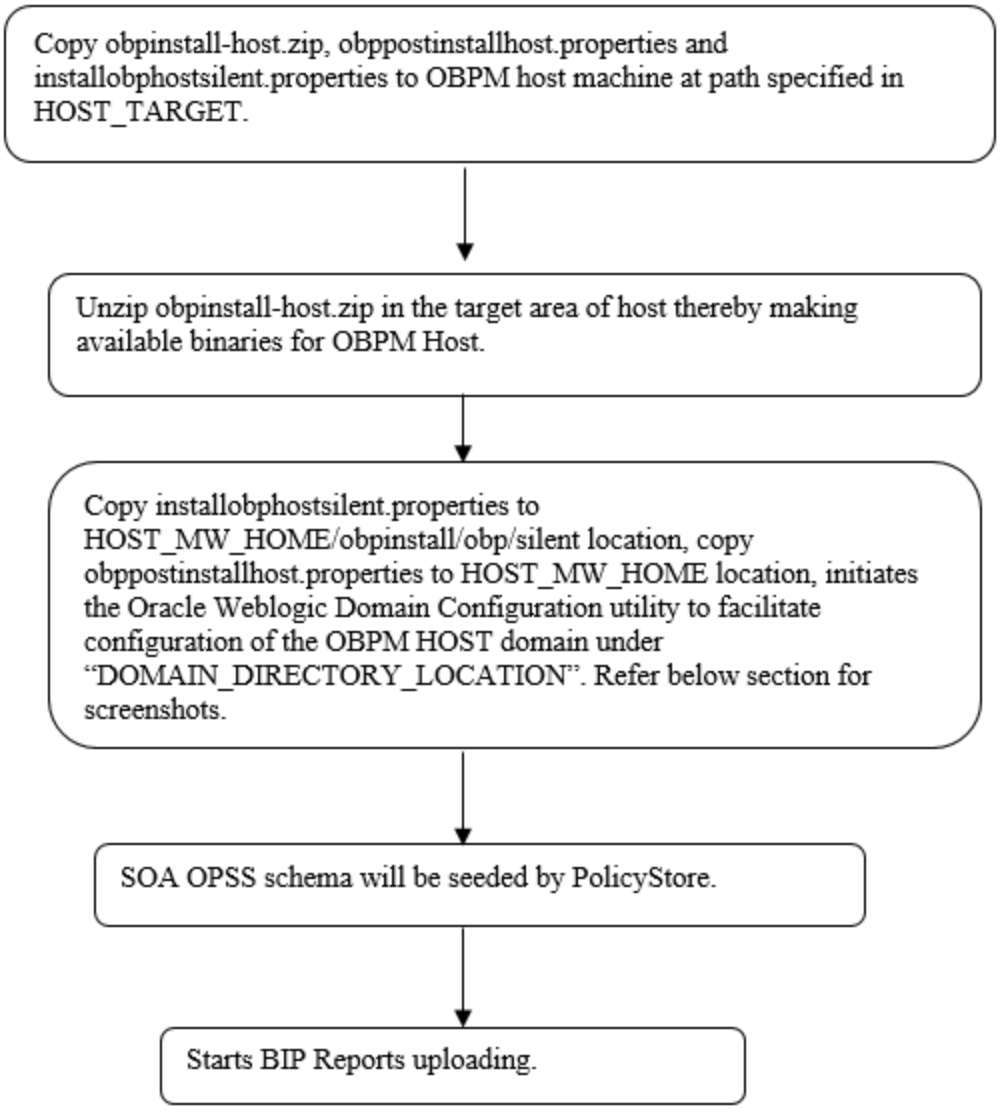
  For example, if HOST_DB_SCHEMA_PREFIX is DEV, then OBP_HOST_DB_USER should be DEV_OBP.
- OID_DOMAIN_NAME in installobphost.properties should match with the OID_DOMAIN_NAME given in installobpui.properties. Any other domain with the same name must not exist in OID. The domain in OID will be created in 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 OBPM 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

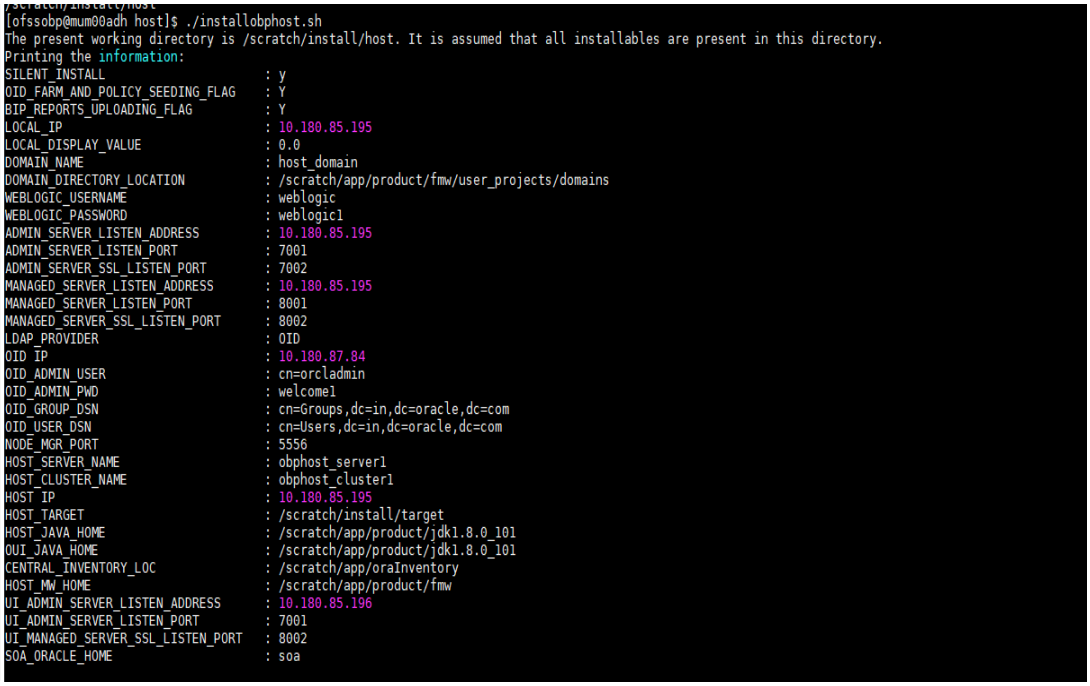


Figure 4–3 Verification of Properties (contd)

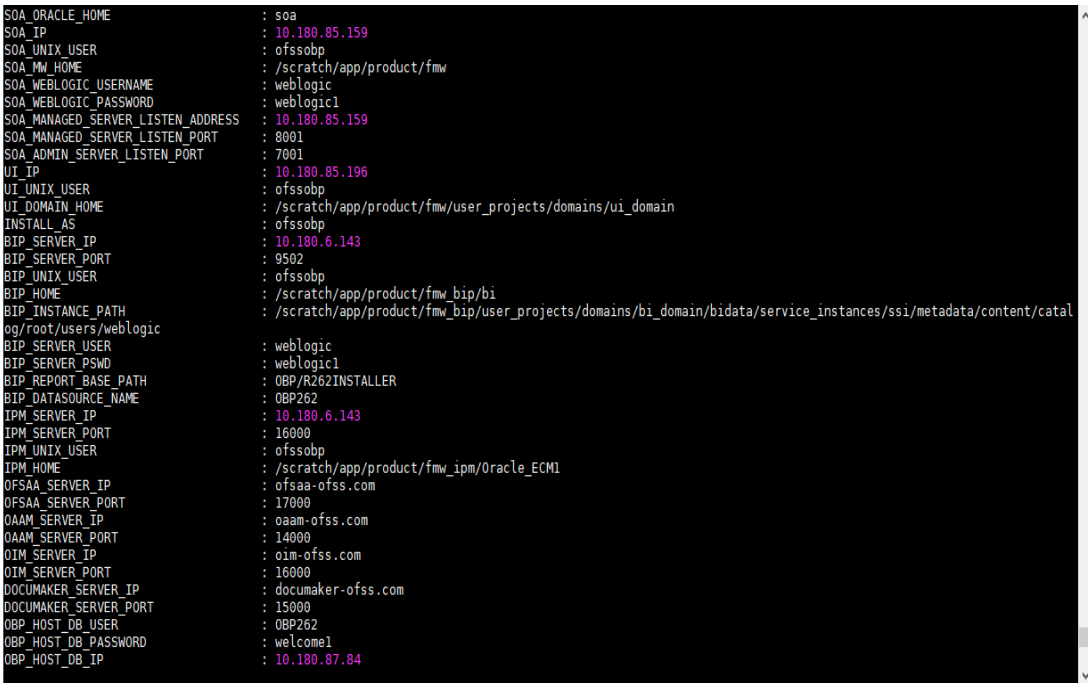


Figure 4–4 Verification of Properties (contd)

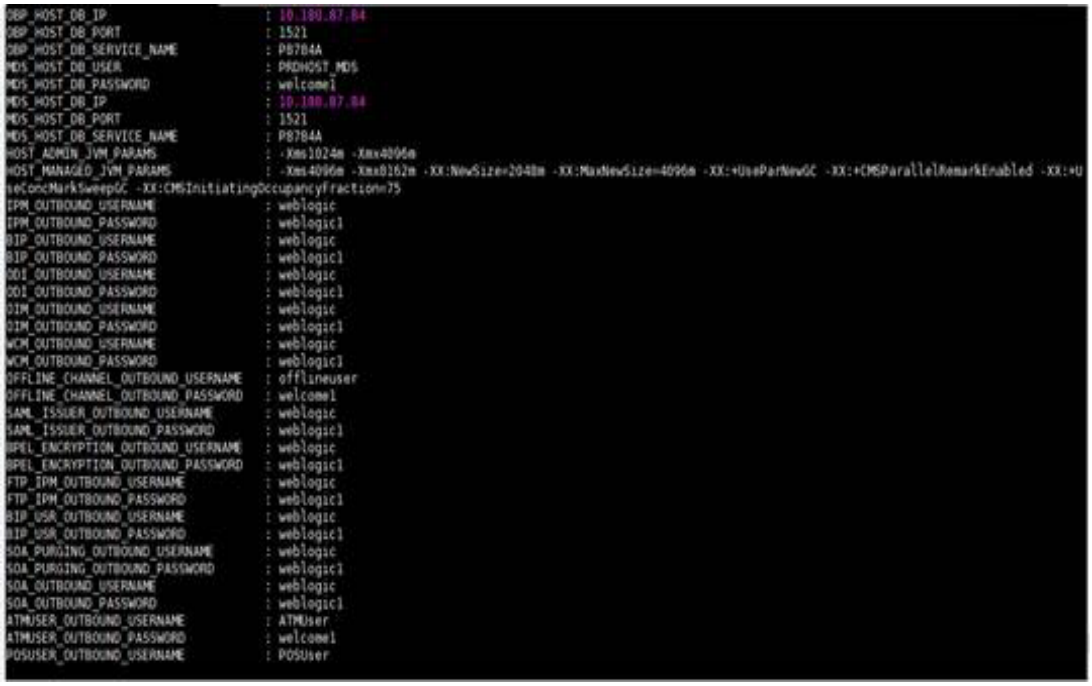
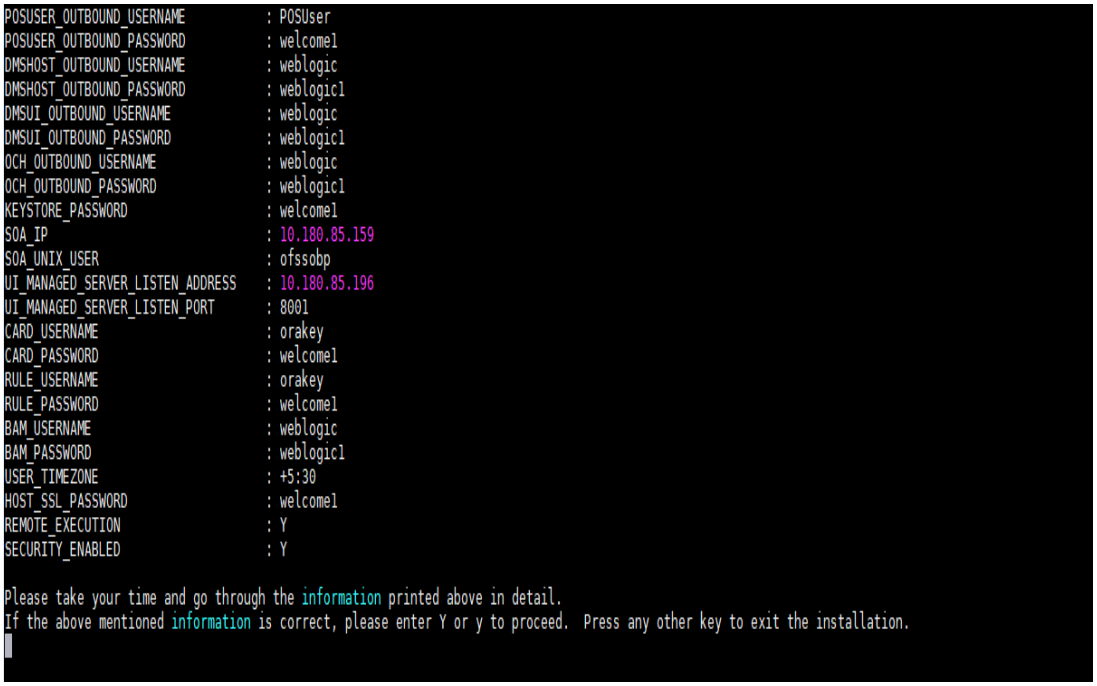


Figure 4–5 Verification of Properties (contd)



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

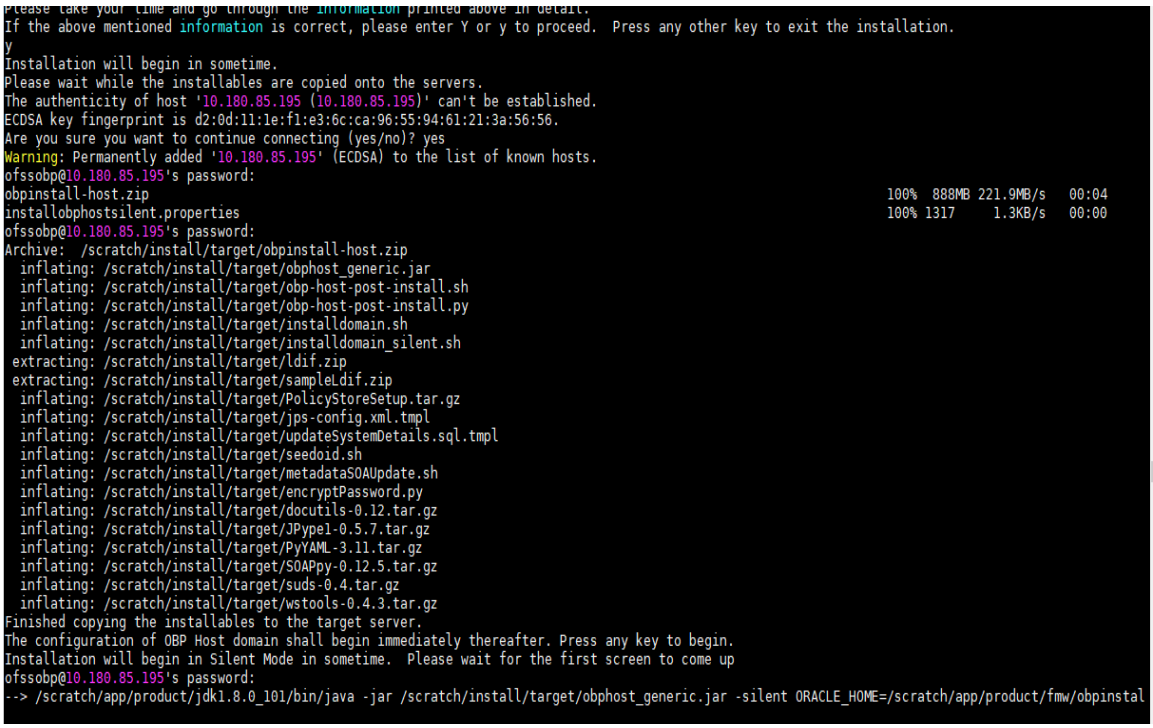


Figure 4–7 Confirmation and Copying of Installables to Target Machine (contd)

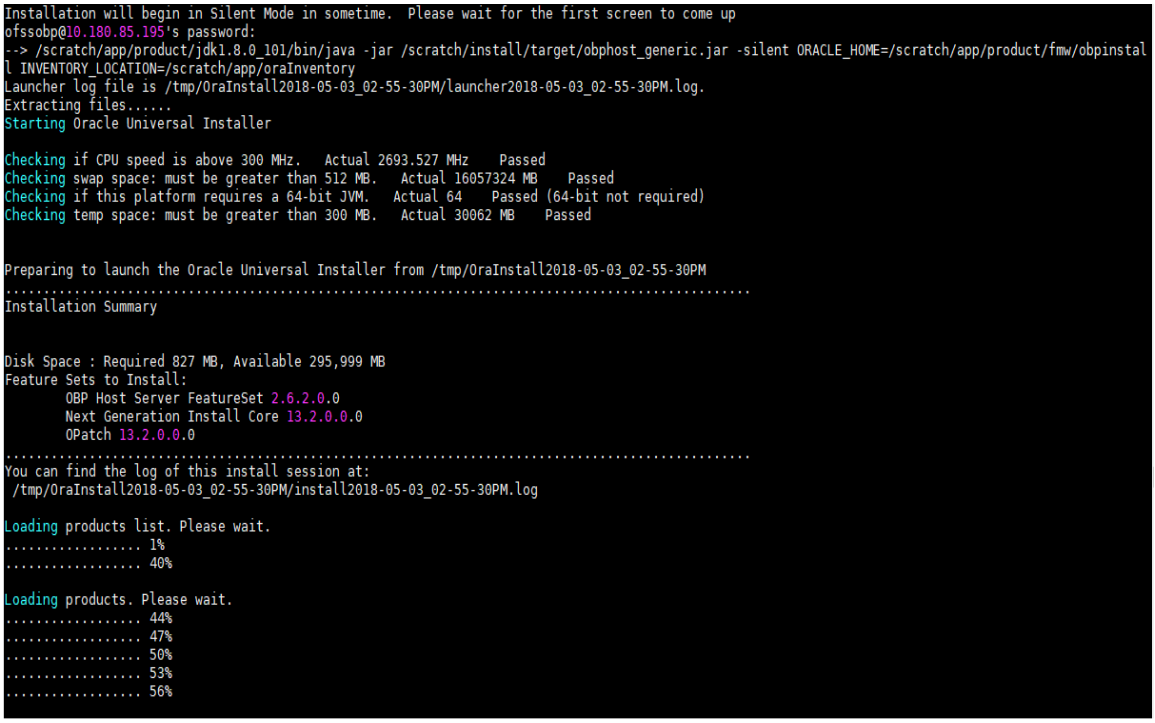
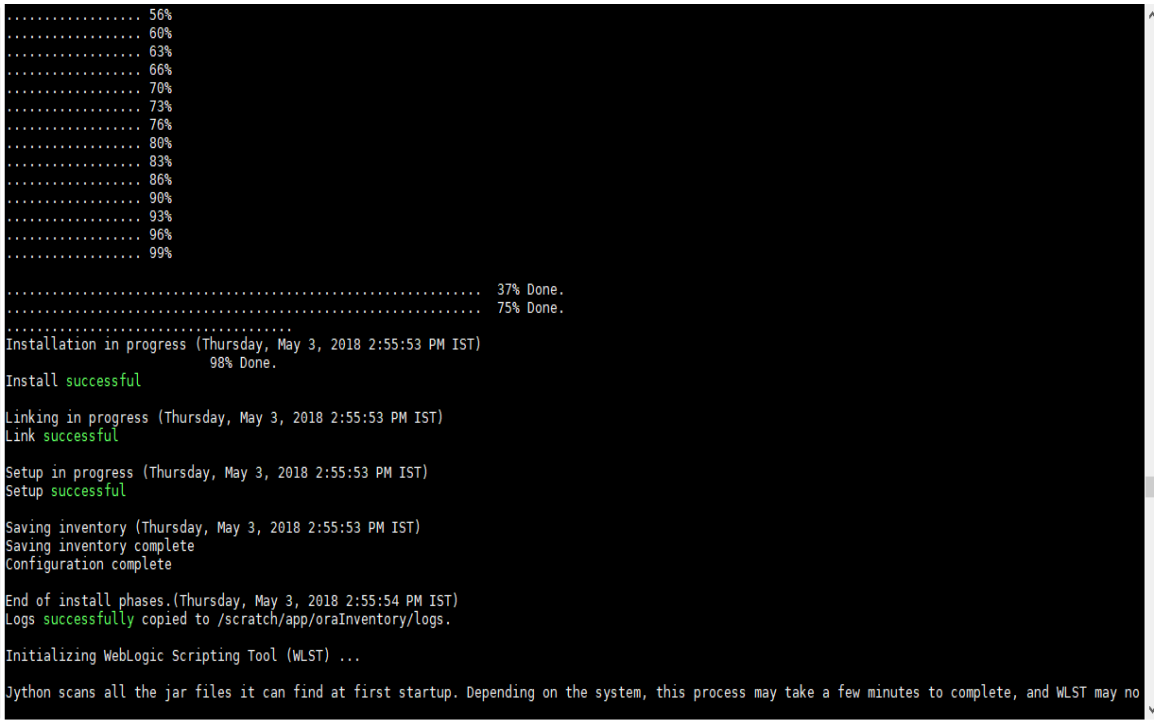
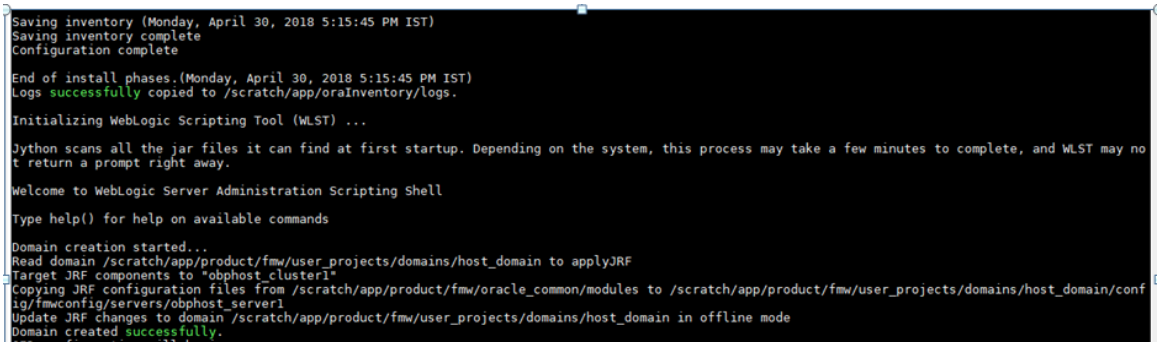


Figure 4–8 Confirmation and Copying of Installables to Target Machine (contd)



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



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

Figure 4–10 Untar the policyStoreSetup and Copy on destination location

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)

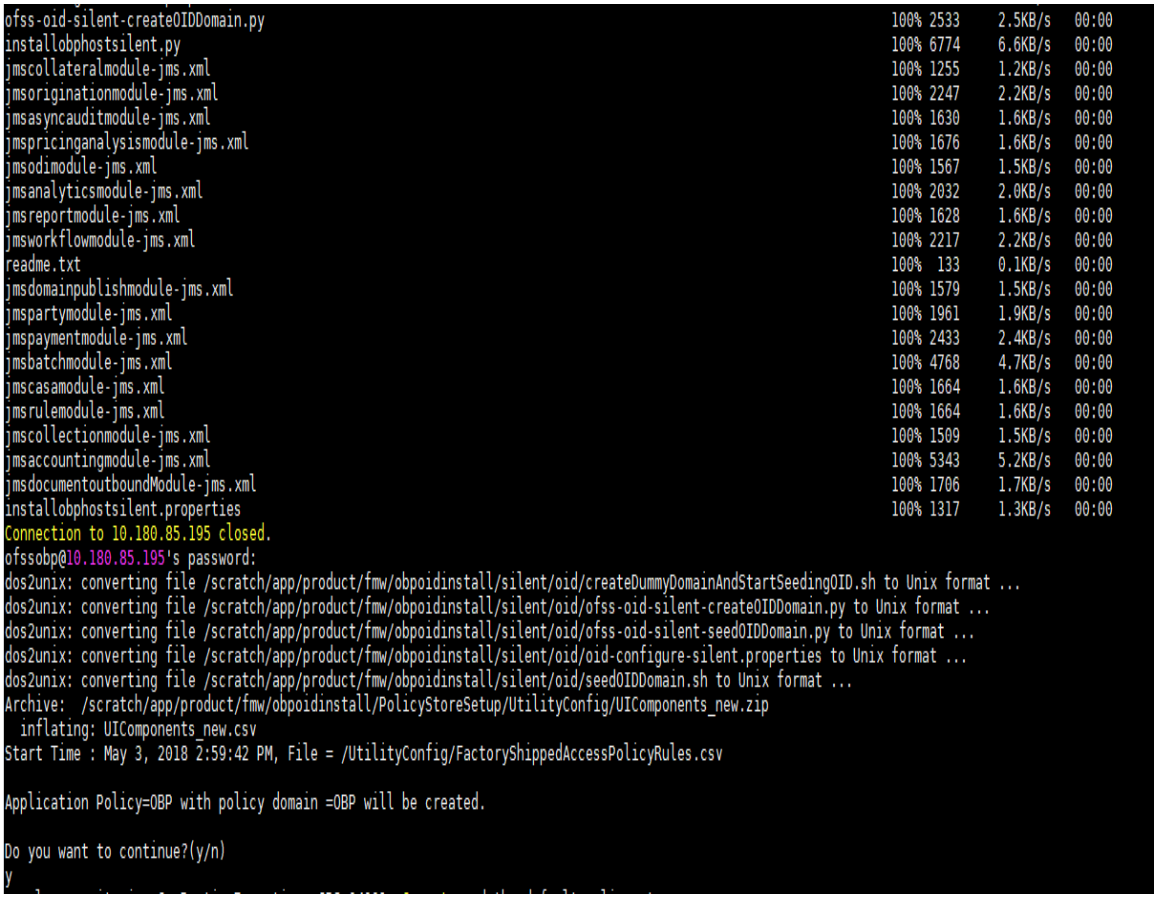
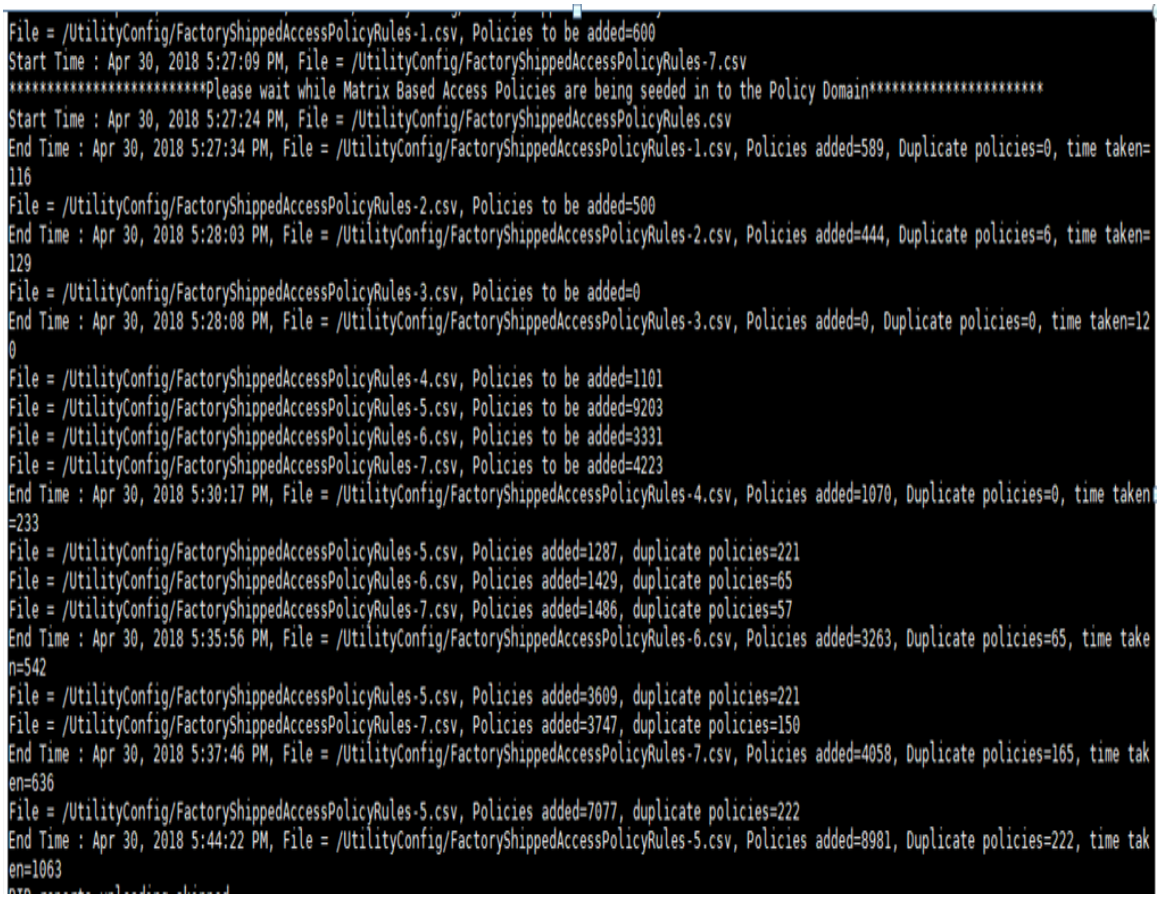


Figure 4–13 Policy Seeding

Figure 4–14 Policy Seeding (contd)



4.2 Post Installation Configuration

This section describes the post installation configuration procedure for OBPM 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
  ```

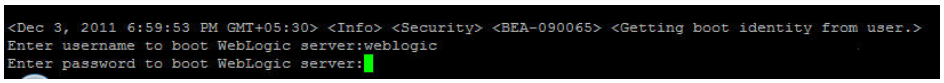
Post Installation Configuration

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

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 OBPM config properties to point to the appropriate integration server (Example: Setting the BIP server URL)
   - Setting the security realm properties of WebLogic domain and reassociating the same to the OID
   - Trust configuration setup using the trust keys copied from the SOA domain

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

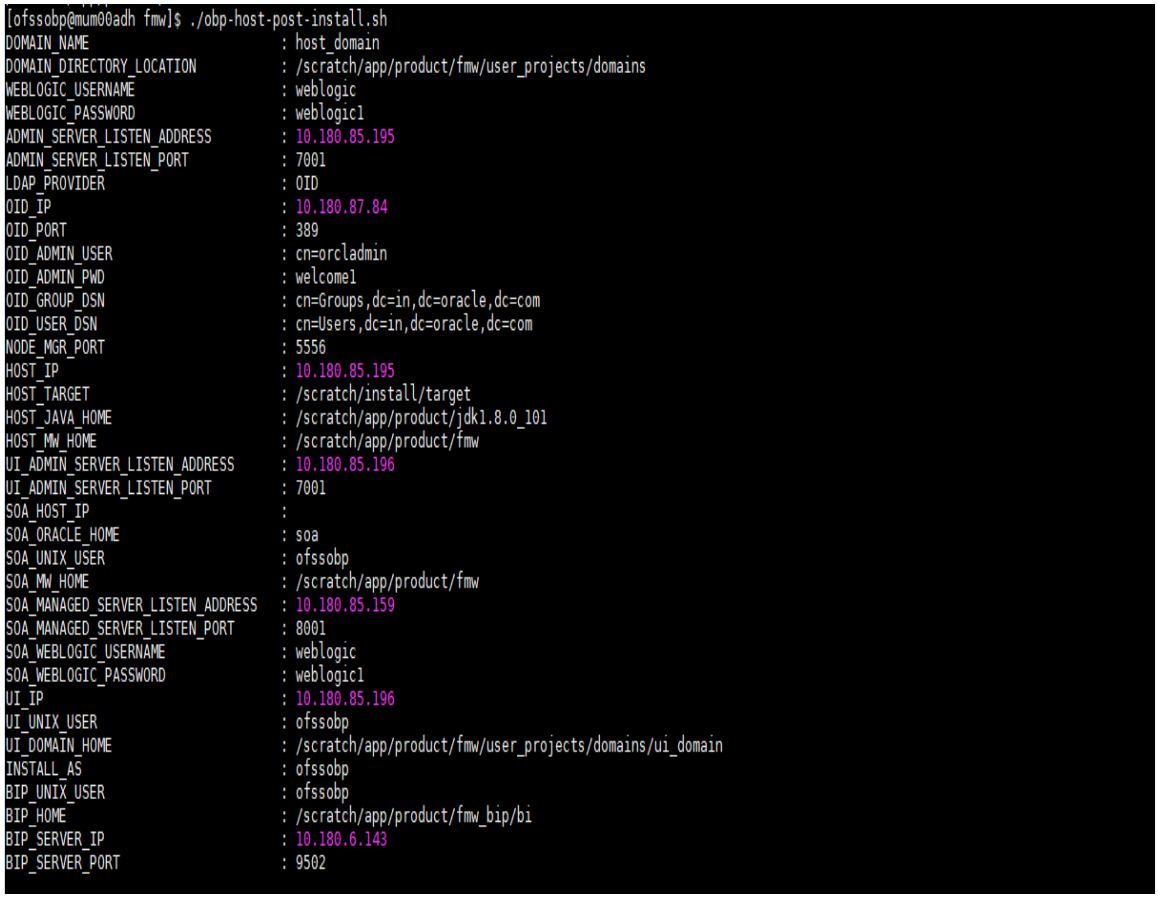


Figure 4–17 Host Domain Post Installation Script Execution (contd)

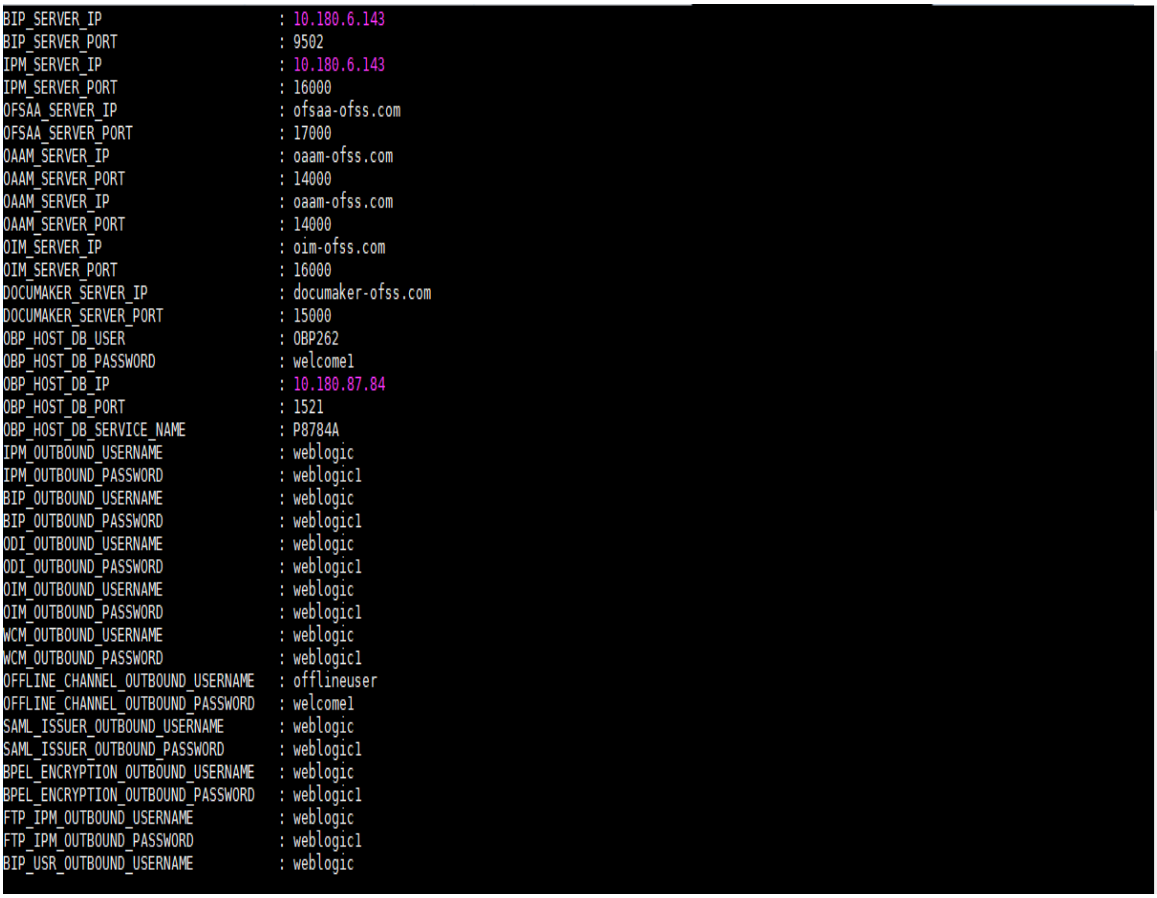


Figure 4–18 Host Domain Post Installation Script Execution (contd)

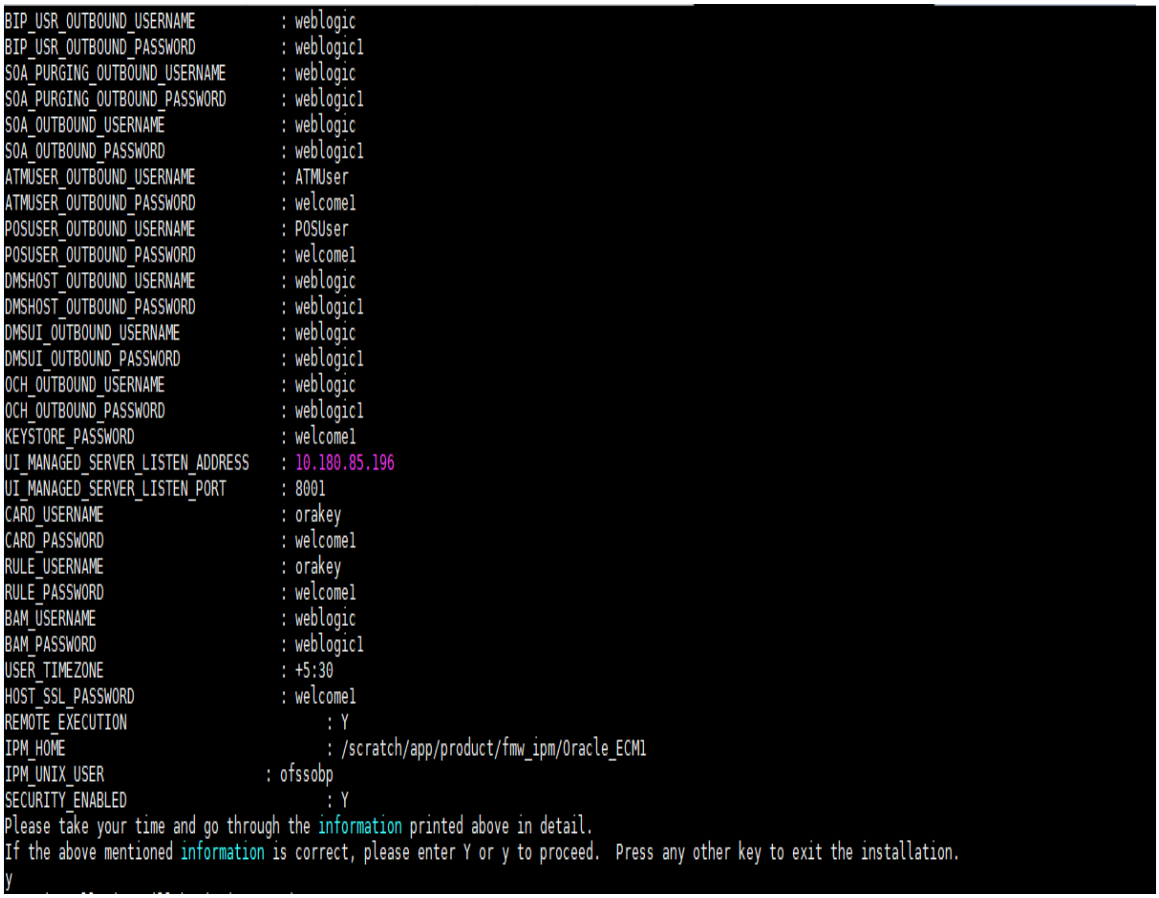


Figure 4–19 Host Domain Post Installation Script Execution (contd)

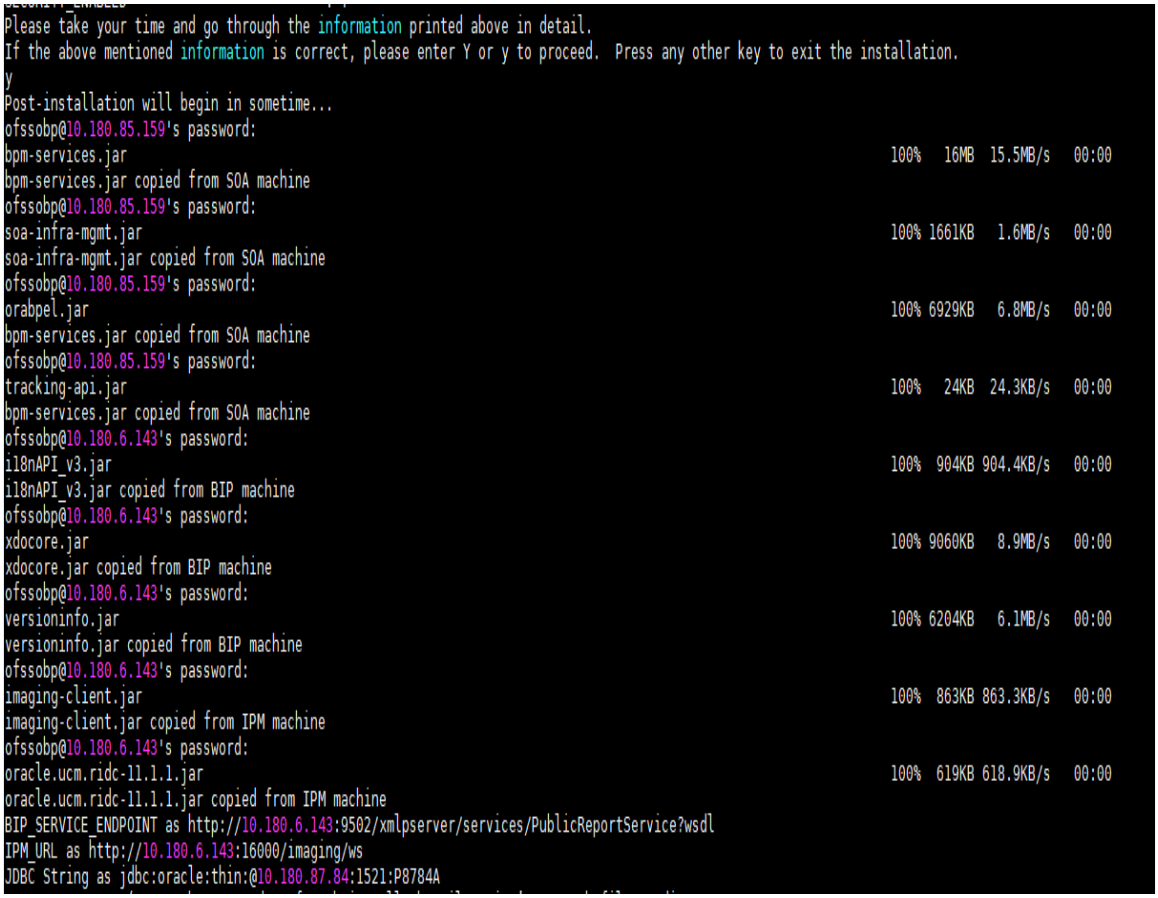
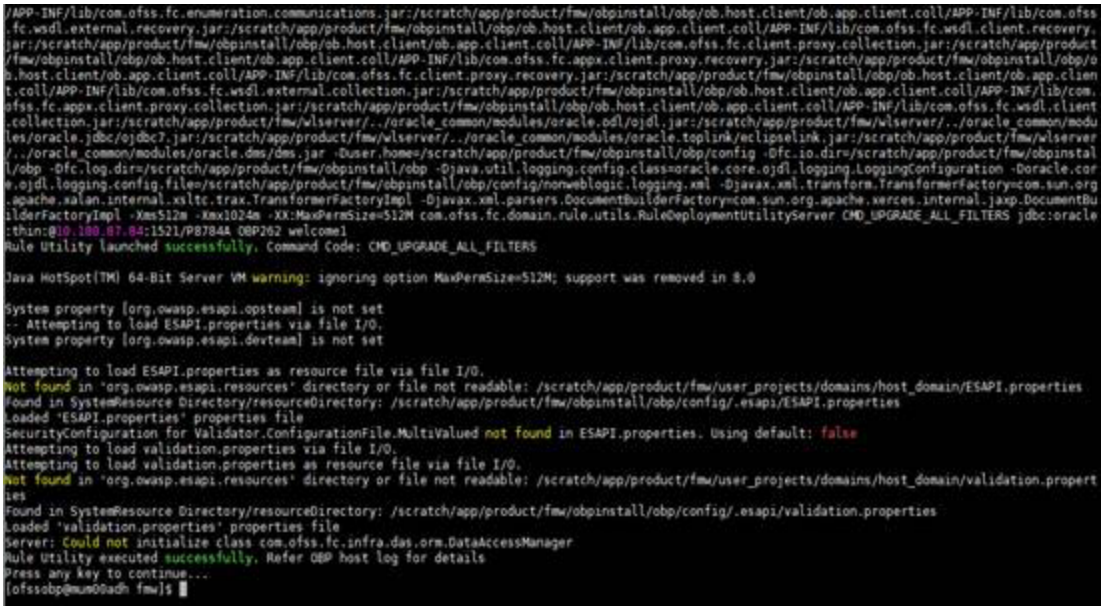


Figure 4–20 Host Domain Post Installation Script Execution Summary



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

   for example: /scratch/app/product/fmw/user_projects/domains/host_ domain/config/fmwconfig/servers/obphost_server1/logging.xml

   within the following xml tag:

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

   add:

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

9. Within the following xml tag:

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

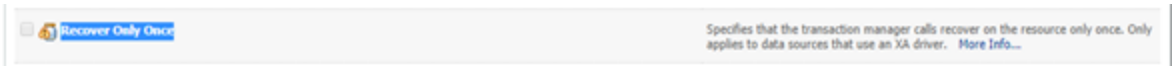
add:

```
<logger name='org.eclipse.persistence' level='TRACE:32'
useParentHandlers='false'>
<handler name='el-handler' />
</logger>
<logger name='javax.persistence' level='TRACE:32'
useParentHandlers='false'>
<handler name='el-handler' />
</logger>
```

10. Deselect the following flag for all the OBPM data sources:

    a. Log in to weblogic console
    b. Navigate to Data Sources > datasource name (eg. OBP_SYS_CONFIG) > Connection Pool > Advanced.
    c. Deselect the **Remove Infected Connections Enabled** check box.

11. Select the **Recover Only Once** for ONLY XA datasource (OBP_HOST_DS_XA) for party host server



    a. Log in to weblogic console.
    b. Navigate to Data Sources > datasource name (OBP_HOST_DS_XA) > Transaction.
    c. Select the **Recover Only Once** check box.

12. Then start the admin and managed servers to check the domain configuration status as described in verification part in Section 11.2 Host Domain Verification.

5 OBPM US Localization Presentation Media Pack Installation

This chapter details every step involved in the installation of OBPM 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 OBPM US Localization Presentation Media Pack.

5.1.1 Preparatory Steps

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

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

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in Section 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 OBPM 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.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:

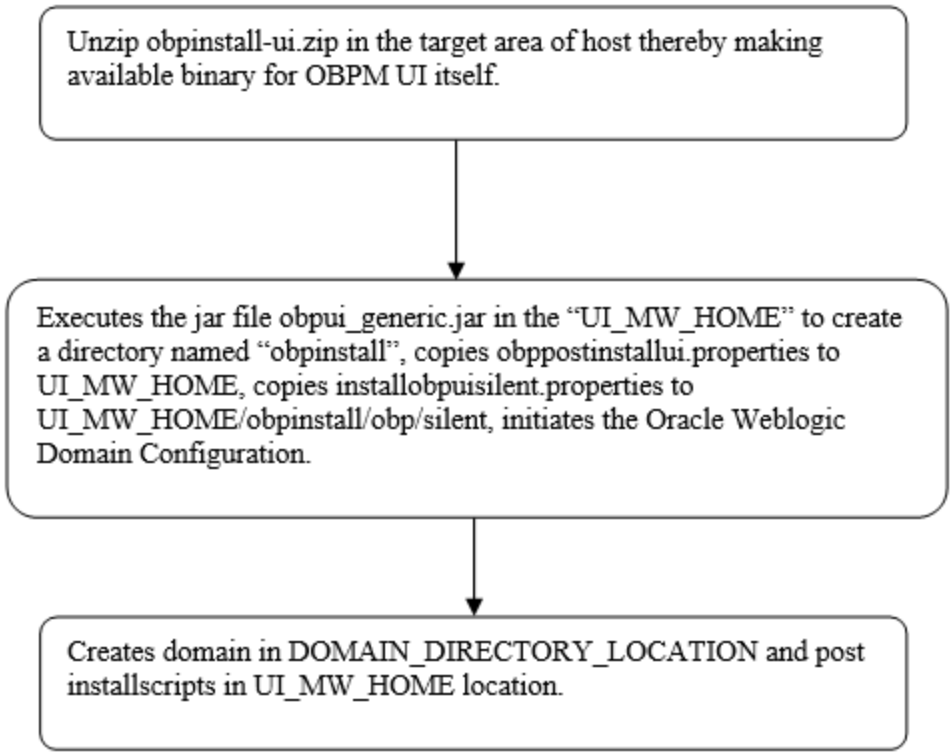
- Make sure required RCU schemas have been created. For more information, see Section 6.1 Pre-Installation Steps and Section 6.2 OBPM Database Setup – RCU Installation.
- Node manager must not be running on the target machine.
- Create a dummy folder named as Target and mention its path against UI_TARGET 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 OBPM 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@mum00adi ui]$ ./installobpui.sh
The present working directory is /scratch/install/ui. It is assumed that all installables are present in this directory.
Printing the installation details:-
SILENT_INSTALL                  : y
LOCAL_IP                        : 10.180.85.196
LOCAL_DISPLAY_VALUE             : 0.0
DOMAIN_NAME                     : ui_domain
DOMAIN_DIRECTORY_LOCATION       : /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME               : weblogic
WEBLOGIC_PASSWORD               : weblogic1
MDS_SCHEMA_USER                 : PRDUI_MDS
MDS_SCHEMA_PASSWORD             : welcome1
MDS_DB_IP                       : 10.180.87.84
MDS_DB_PORT                     : 1521
MDS_DB_SERVICE_NAME             : P8784A
HOST_SCHEMA_USER                : OBP262
HOST_SCHEMA_PASSWORD            : welcome1
HOST_DB_IP                      : 10.180.87.84
HOST_DB_PORT                    : 1521
HOST_DB_SERVICE_NAME            : P8784A
OPSS_SOA_SCHEMA_USER            : PRDSOA_OPSS
OPSS_SOA_SCHEMA_PASSWORD        : welcome1
OPSS_SOA_DB_IP                  : 10.180.87.84
OPSS_SOA_DB_PORT                : 1521
OPSS_SOA_DB_SERVICE_NAME        : P8784A
ADMIN_SERVER_LISTEN_ADDRESS     : 10.180.85.196
ADMIN_SERVER_LISTEN_PORT        : 7001
ADMIN_SERVER_SSL_LISTEN_PORT    : 7002
MANAGED_SERVER_LISTEN_ADDRESS   : 10.180.85.196
MANAGED_SERVER_LISTEN_PORT      : 8001
MANAGED_SERVER_SSL_LISTEN_PORT  : 8002
LDAP_PROVIDER                   : OID
OID_IP                          : 10.180.87.84
OID_PORT                        : 389
OID_ADMIN_USER                  : cn=orcladmin
OID_ADMIN_PWD                   : welcome1
```

Figure 5–3 Confirmation to Proceed Domain Installation (contd)

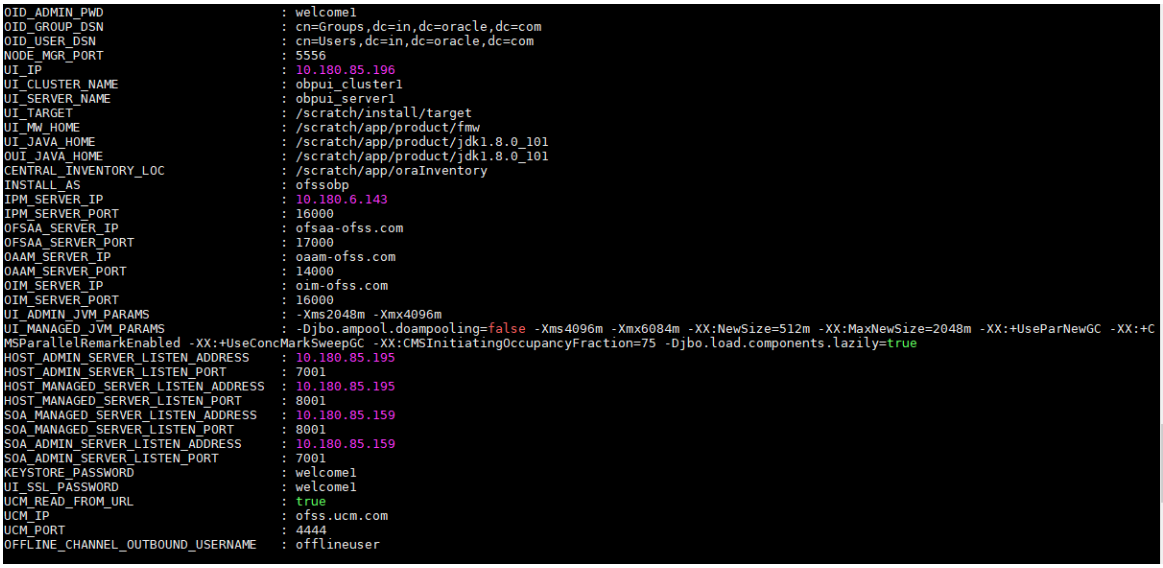
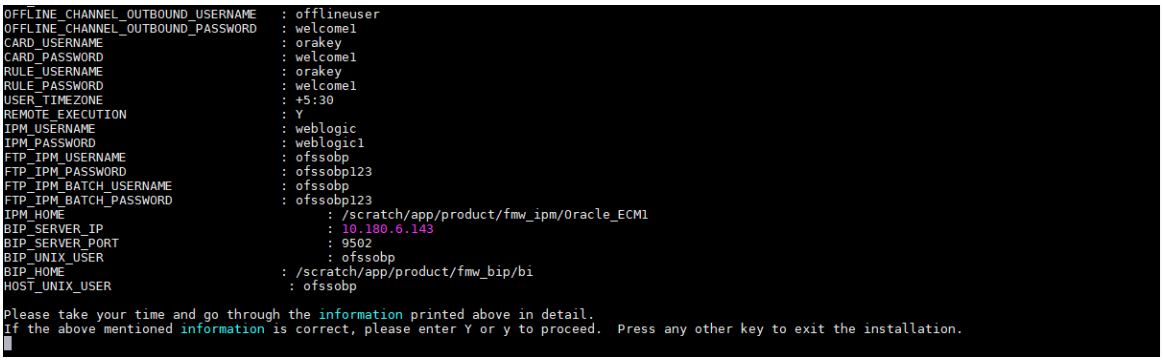


Figure 5–4 Confirmation to Proceed Domain Installation (contd)



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 obpinstall-ui.zip

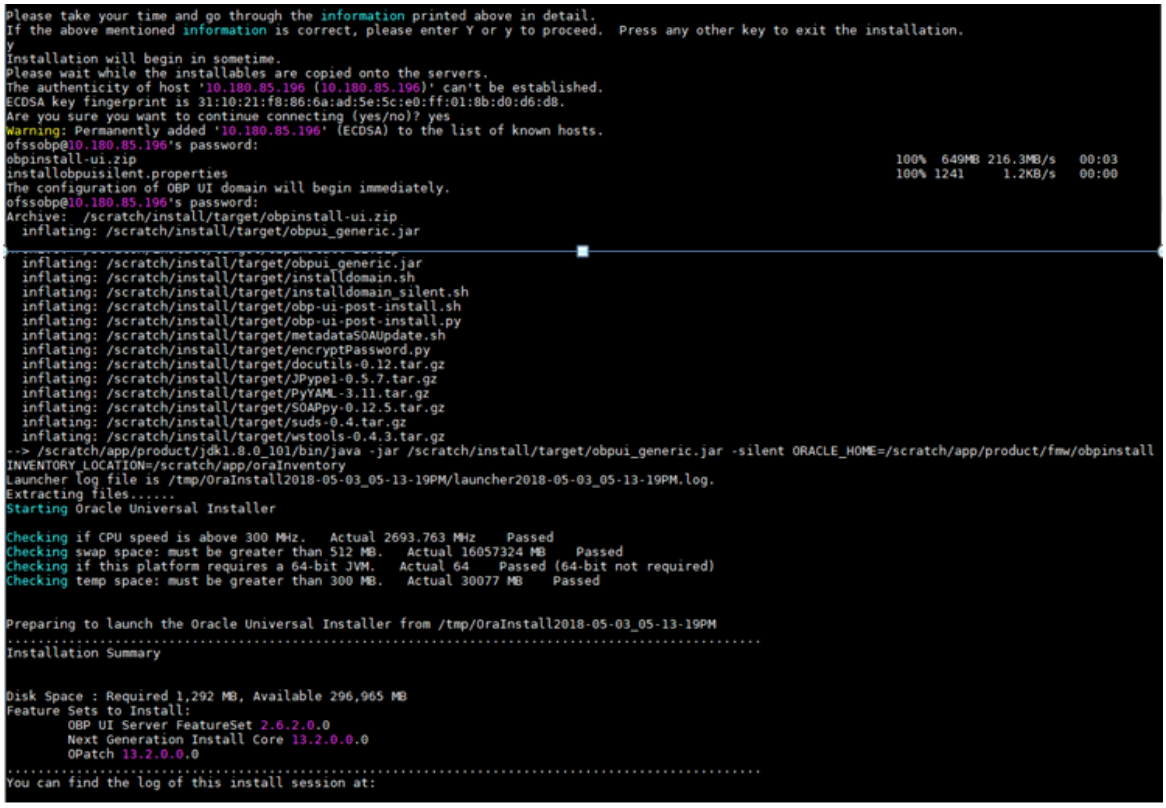


Figure 5–6 Copying and Extraction of obpinstall-ui.zip (contd)

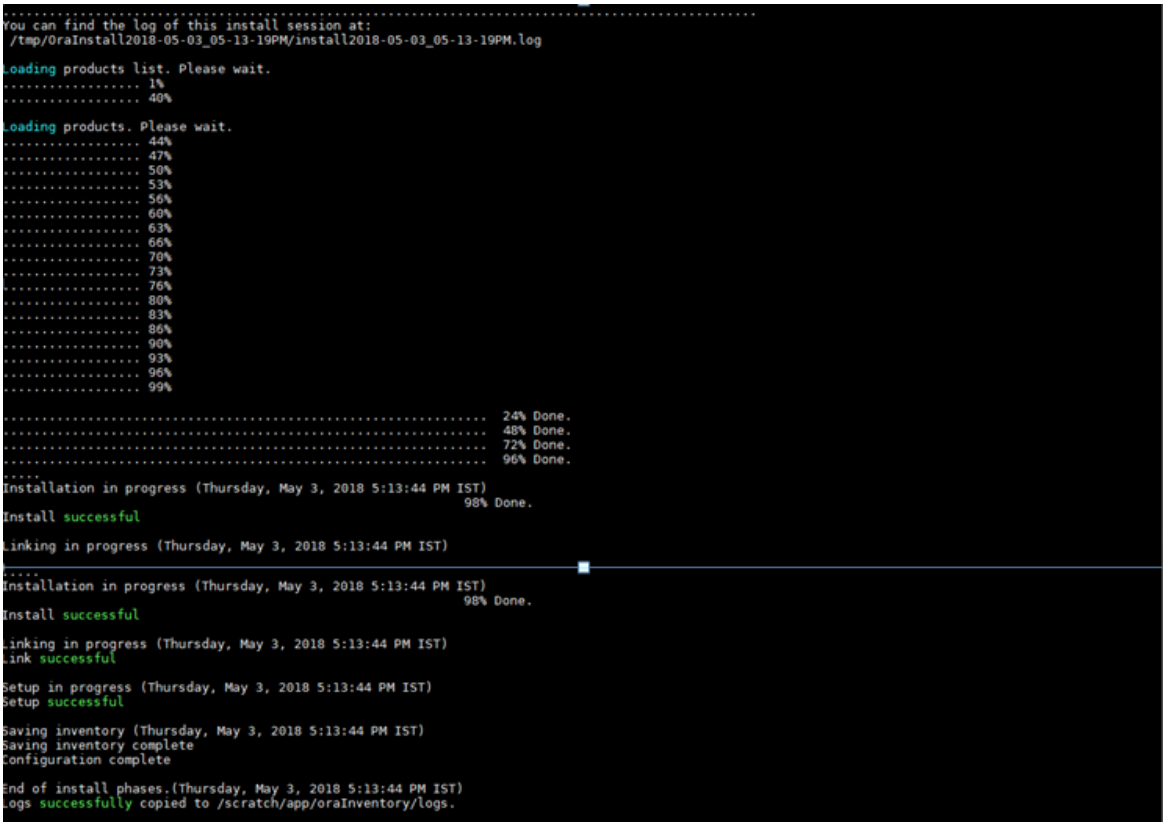
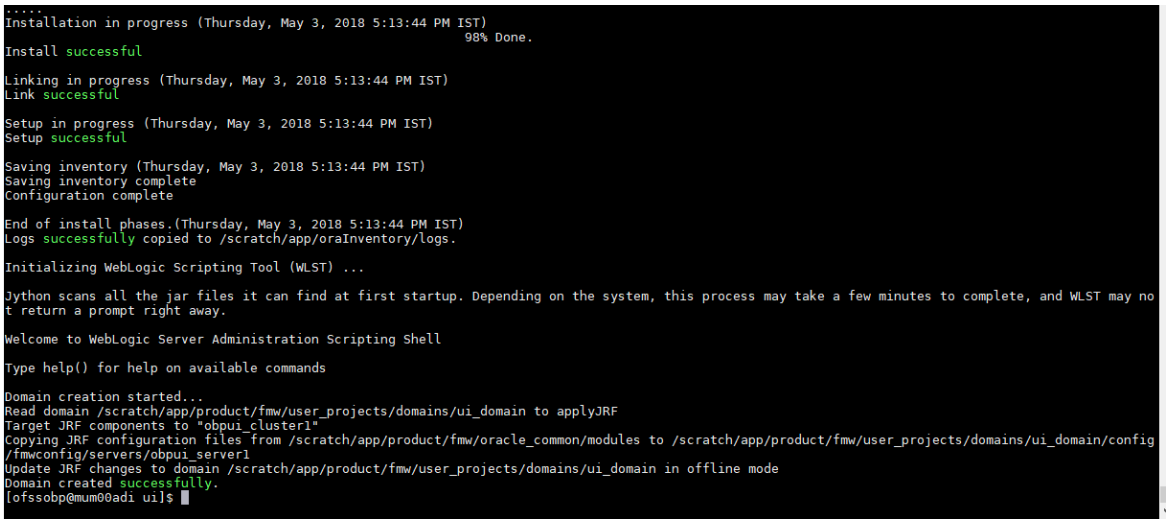


Figure 5–7 Domain Creation Confirmation



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 OBPM 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

Figure 5–9 UI Admin Server Running

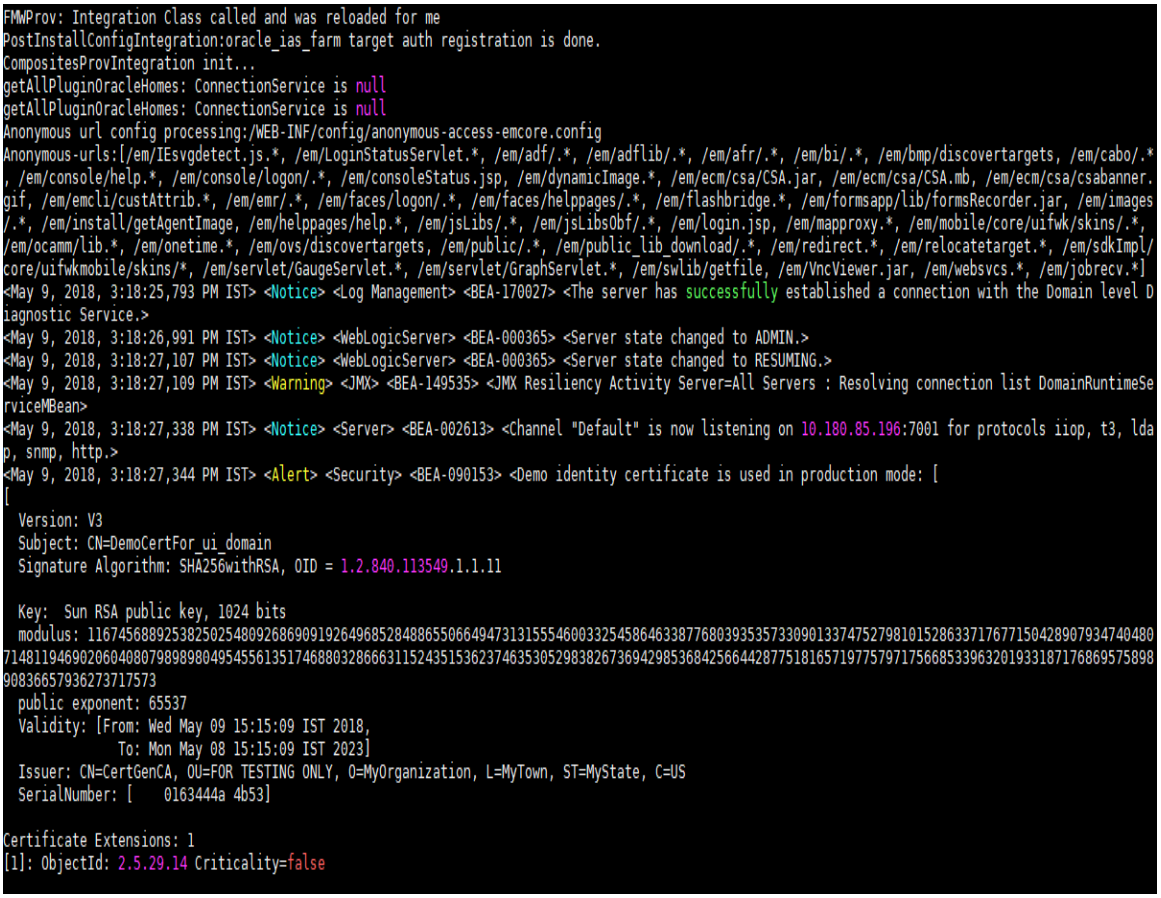


Figure 5–10 UI Admin Server Running (contd)

3. Once the server status changes to RUNNING proceed to execute the post installation script.
4. 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.
5. Navigate to the UI middleware location and give executable permission to the post install script:

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

6. Execute the script using the following commands:

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

Figure 5–11 Starting Post Installation

```
[ofssobp@mum00adi 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)

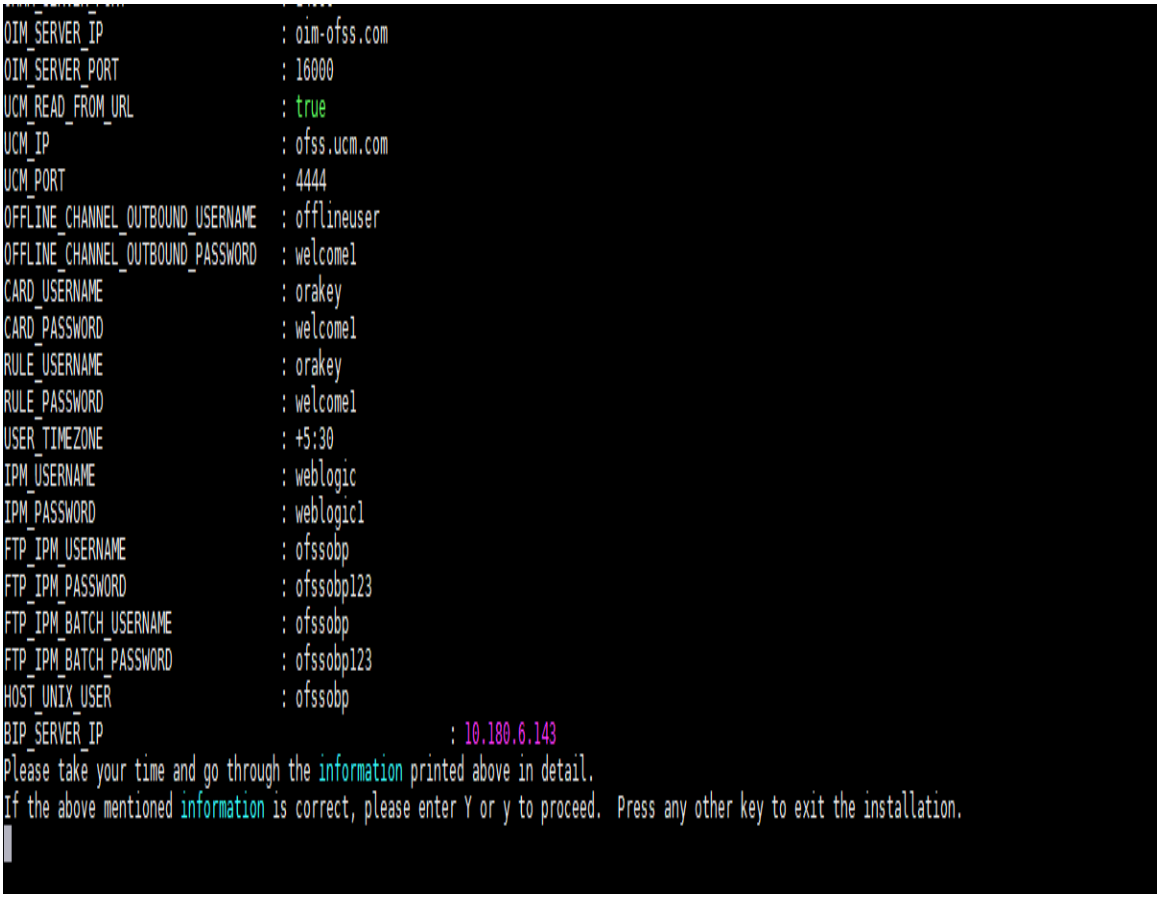


Figure 5–13 Continuation of Post-Installation

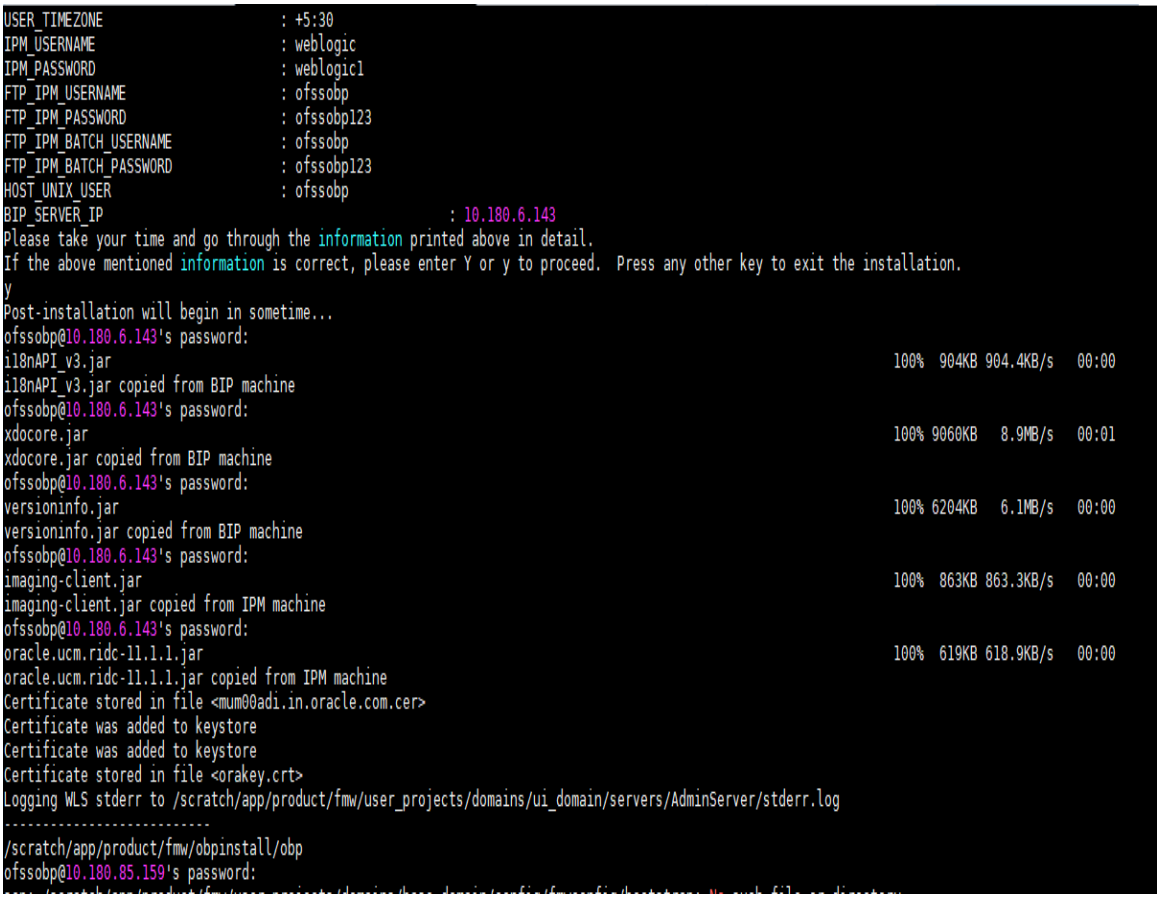


Figure 5–14 Continuation of Post-Installation (contd)

```
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:
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
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. Deselect the following flag for all the OBPM data sources:

   a. Log in to weblogic console
   b. Navigate to Data Sources > datasource name (eg. OBP_SYS_CONFIG) > Connection Pool > Advanced.
   c. Deselect the **Remove Infected Connections Enabled** check box.
   d. Add below parameter in UI server memory parameters in setDomainEnv.sh

      -Dweblogic.servlet.DIDisabled=true.
   e. Restart UI admin and UI managed server.

6 Standalone Database Setup

This chapter details the steps involved in OBPM 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 OBPM DB mentioned in Section 6.2 OBPM 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 OBPM Database Setup – RCU Installation

The steps that should be performed to create the OBPM 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 OBPM 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 OBPM 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_OBPM/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_OBPM/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 OBPM 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_OBPM@welcome1@OBEDMDB
D:\seed >@updateSystemDetails.sql
```

7 OBPM and IPM Integration

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

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

- Section 7.1 IPM Application Setup for OBPM 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 OBPM. 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 OBPM Content Management

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

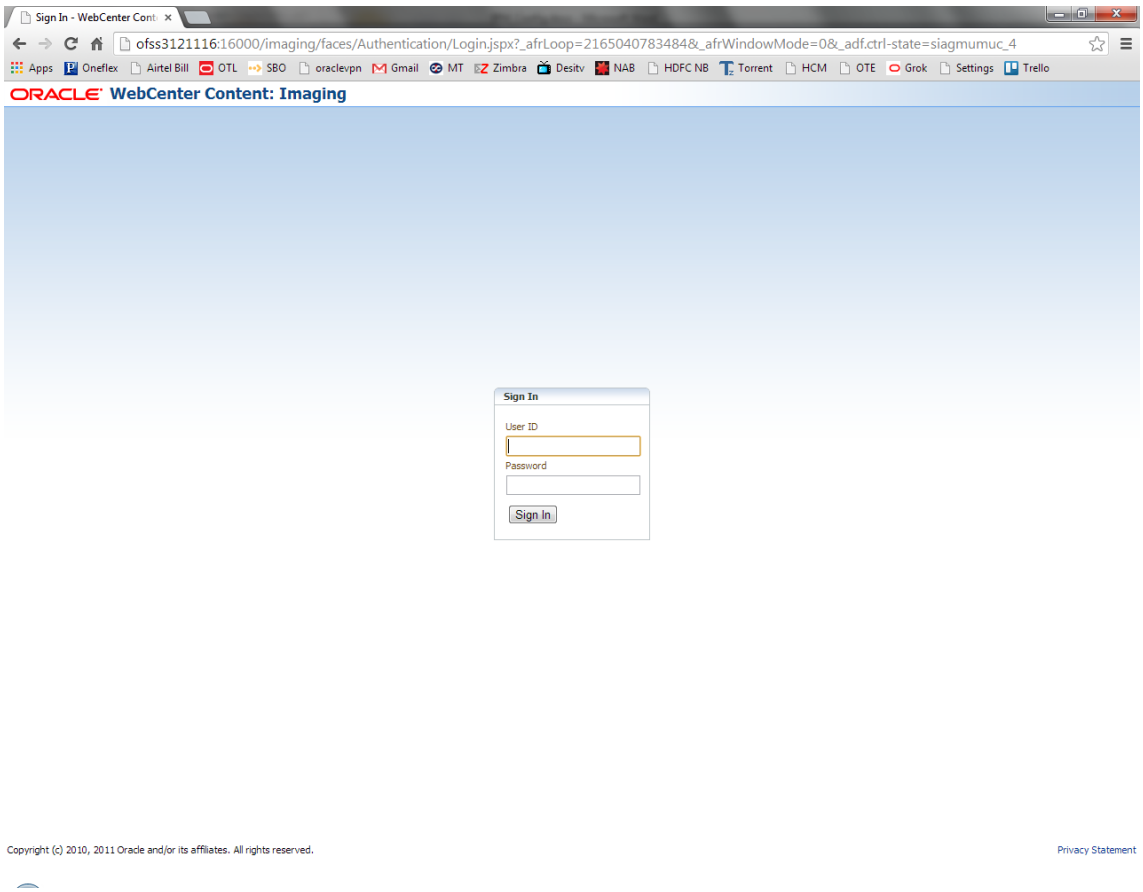
7.1.1 UCM Connection

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:

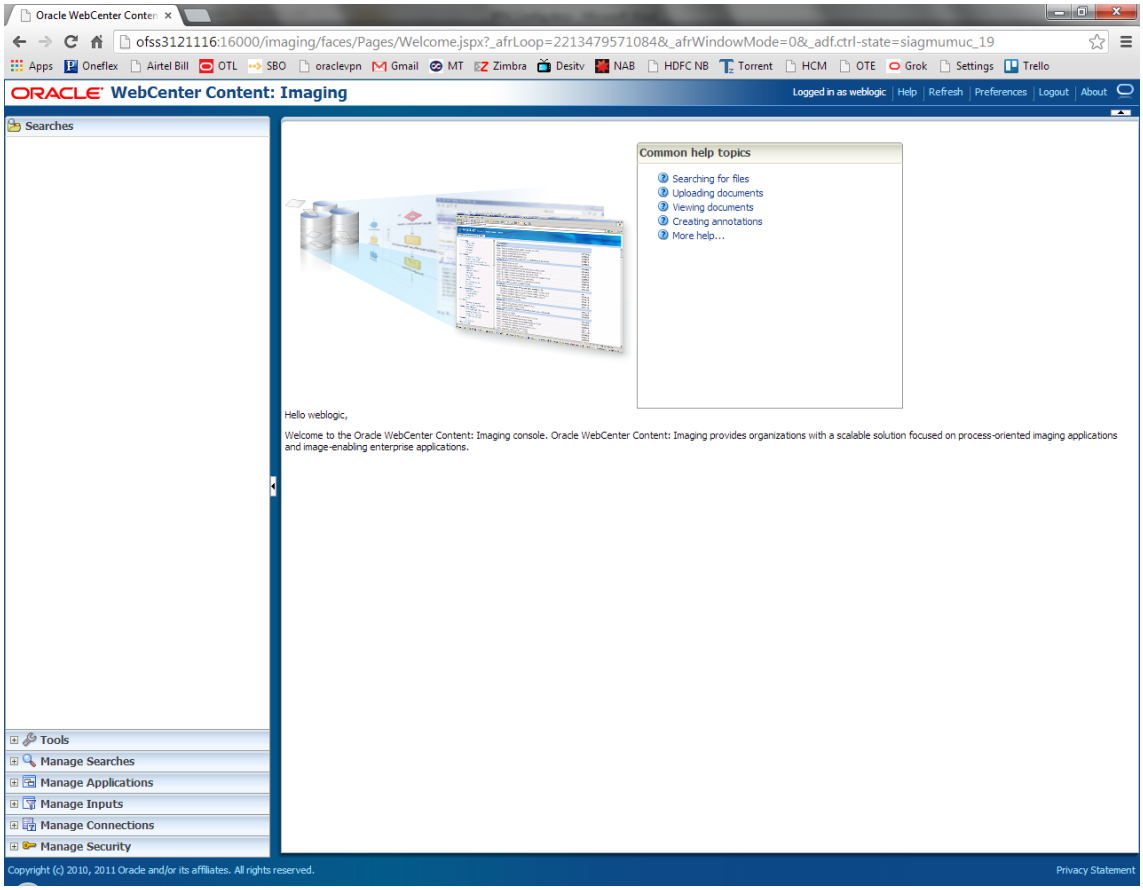
   http:// hostname:16000/imaging

Figure 7–1 IPM Imaging Console - Login page



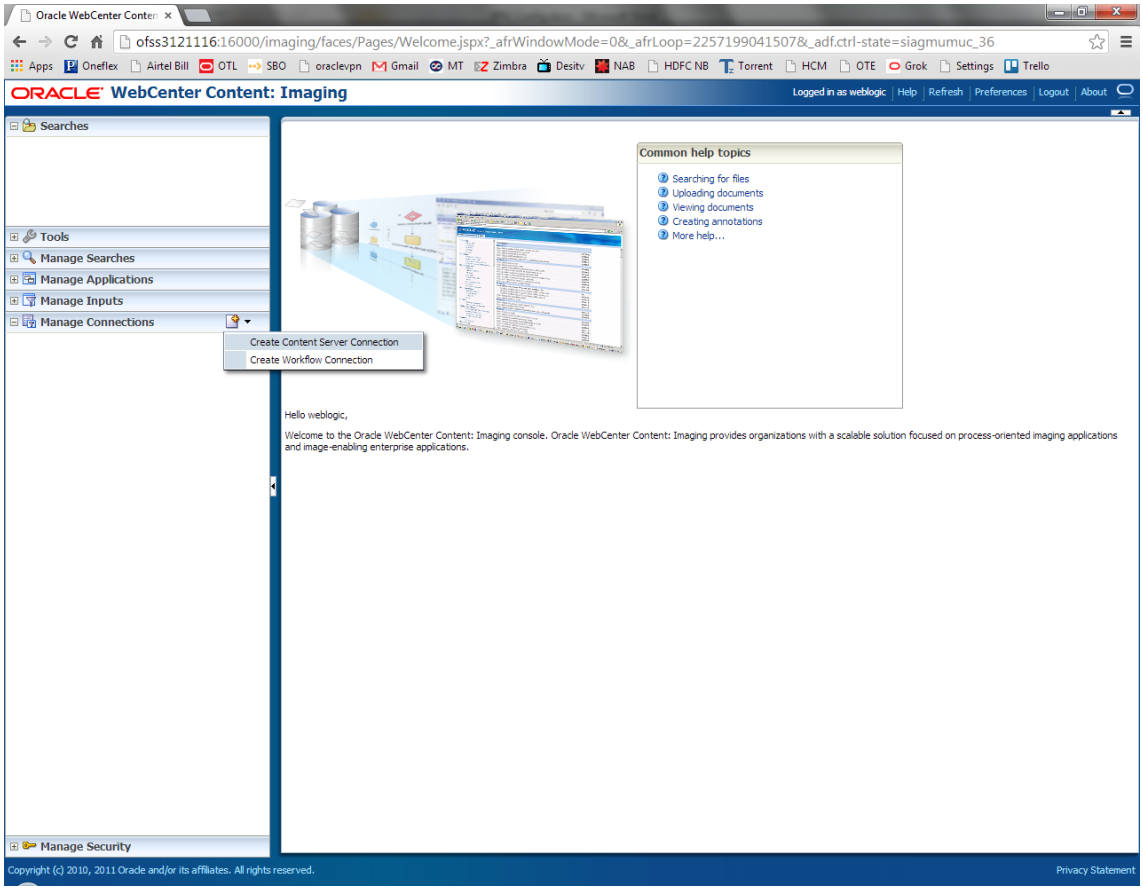
2. Enter the user ID and password set during IPM installation.

Figure 7–2 IPM - Welcome page



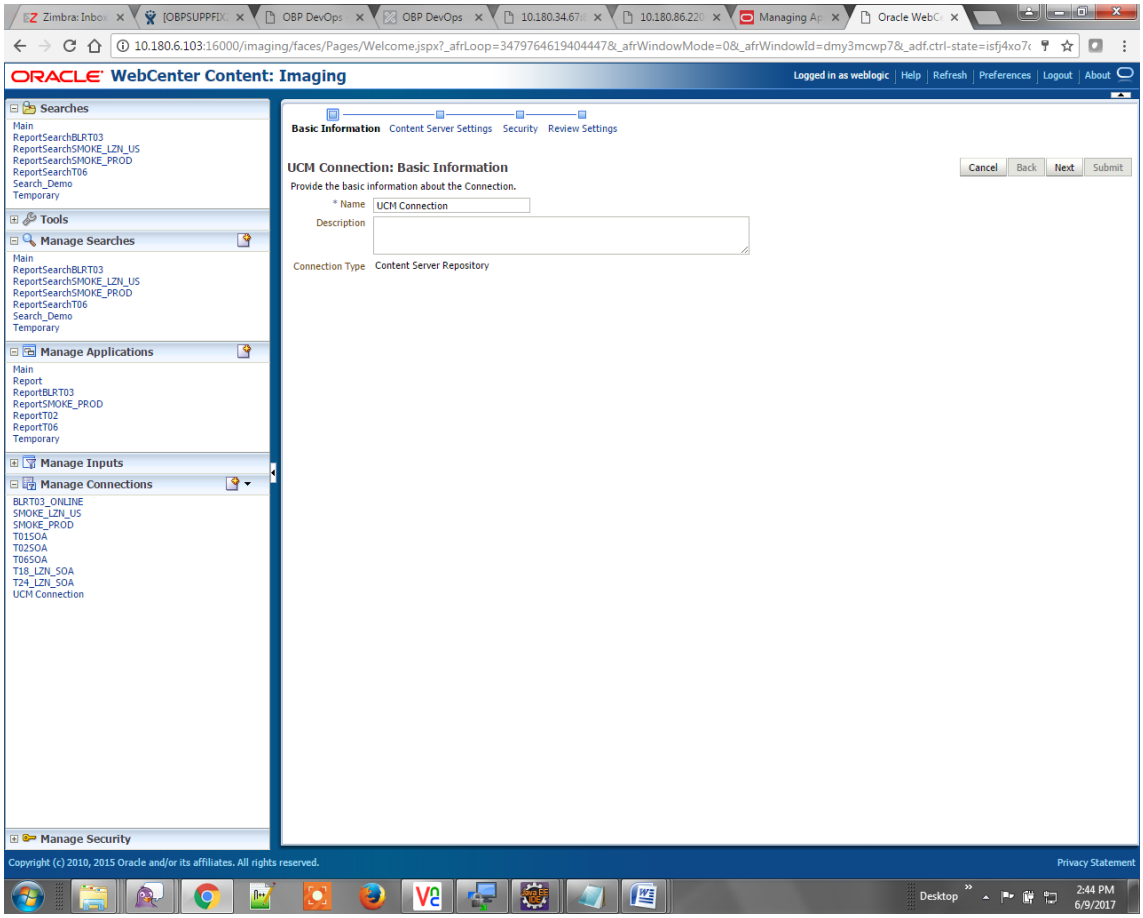
3. Navigate to Manage Connection and select Create Content Server Connection.

Figure 7–3 Create Content Server Connection



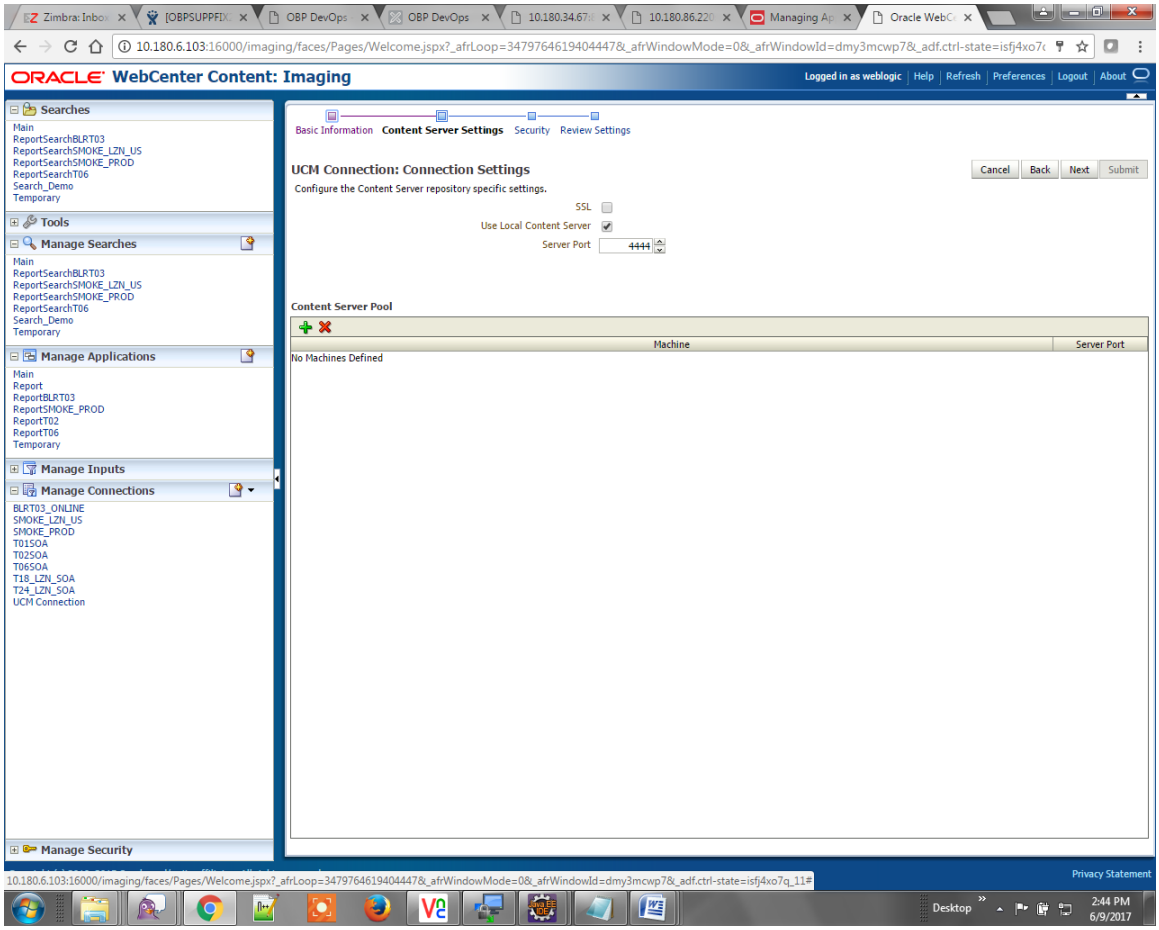
4. In the Basic Information stage, enter the name and description for Content Server Connection as UCM Connection and click Next.

Figure 7–4 UCM: Basic information



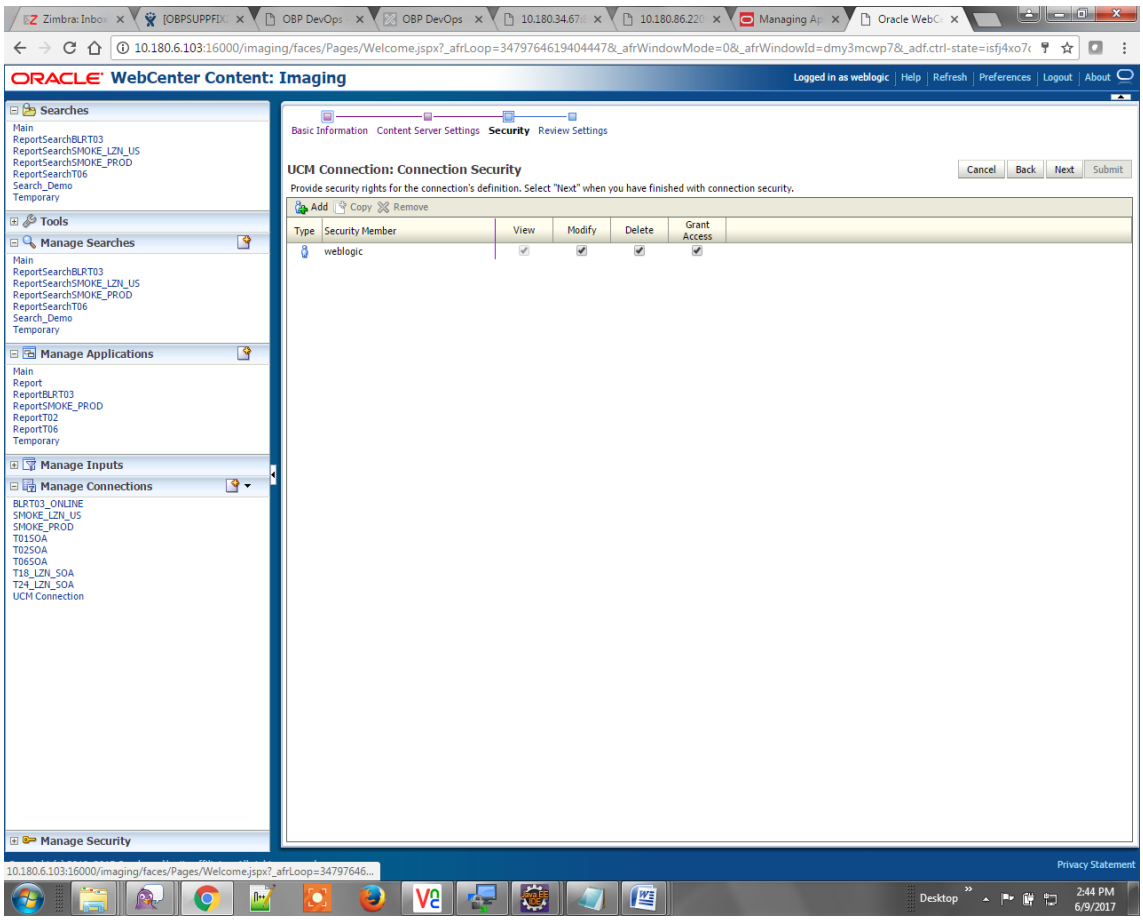
5. In the Content Server Settings page, select the Use Local Content Server check box and select the Server Port as 4444. Click Next.

Figure 7–5 UCM: Connection Settings



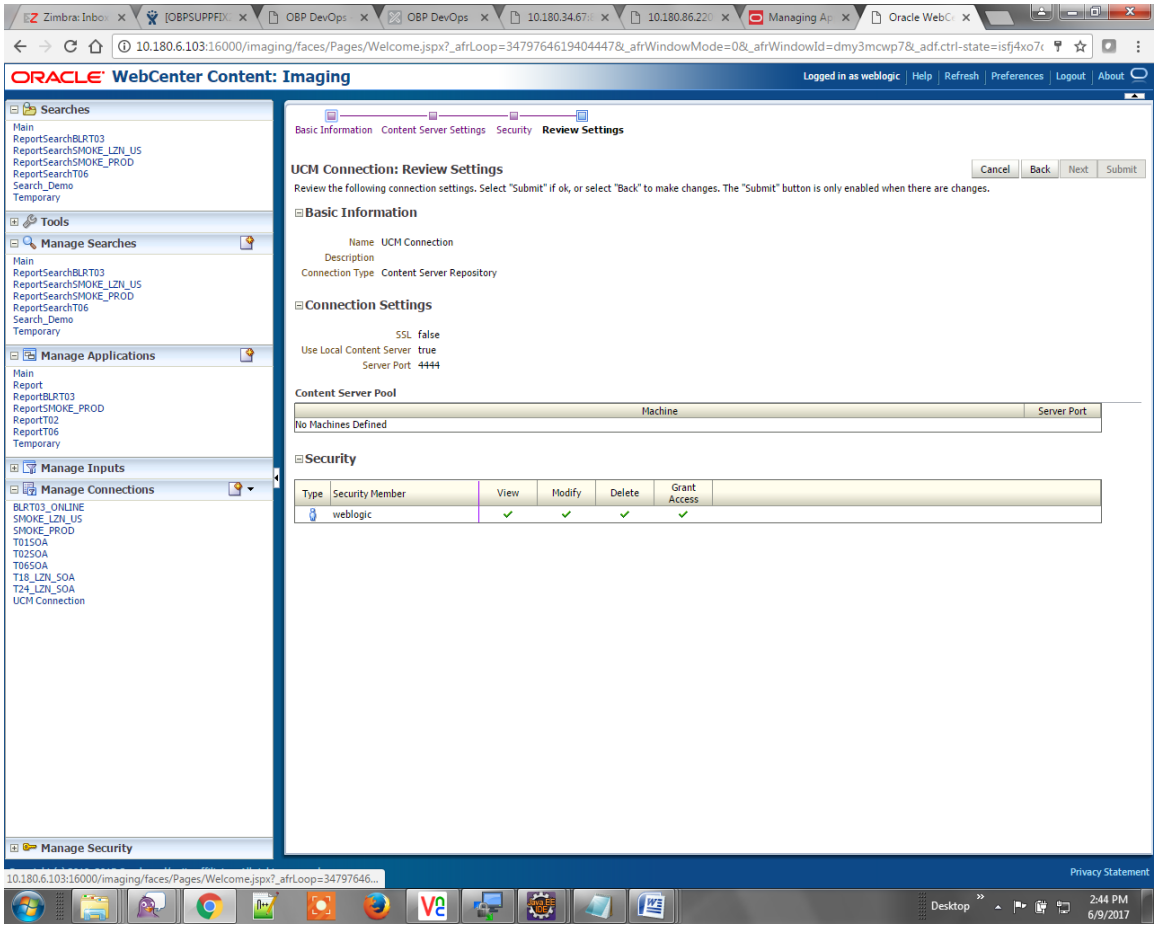
6. In the Security stage, select security rights for connection definition as shown below and click Next. If weblogic security member is not present, create it by clicking Add.

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.

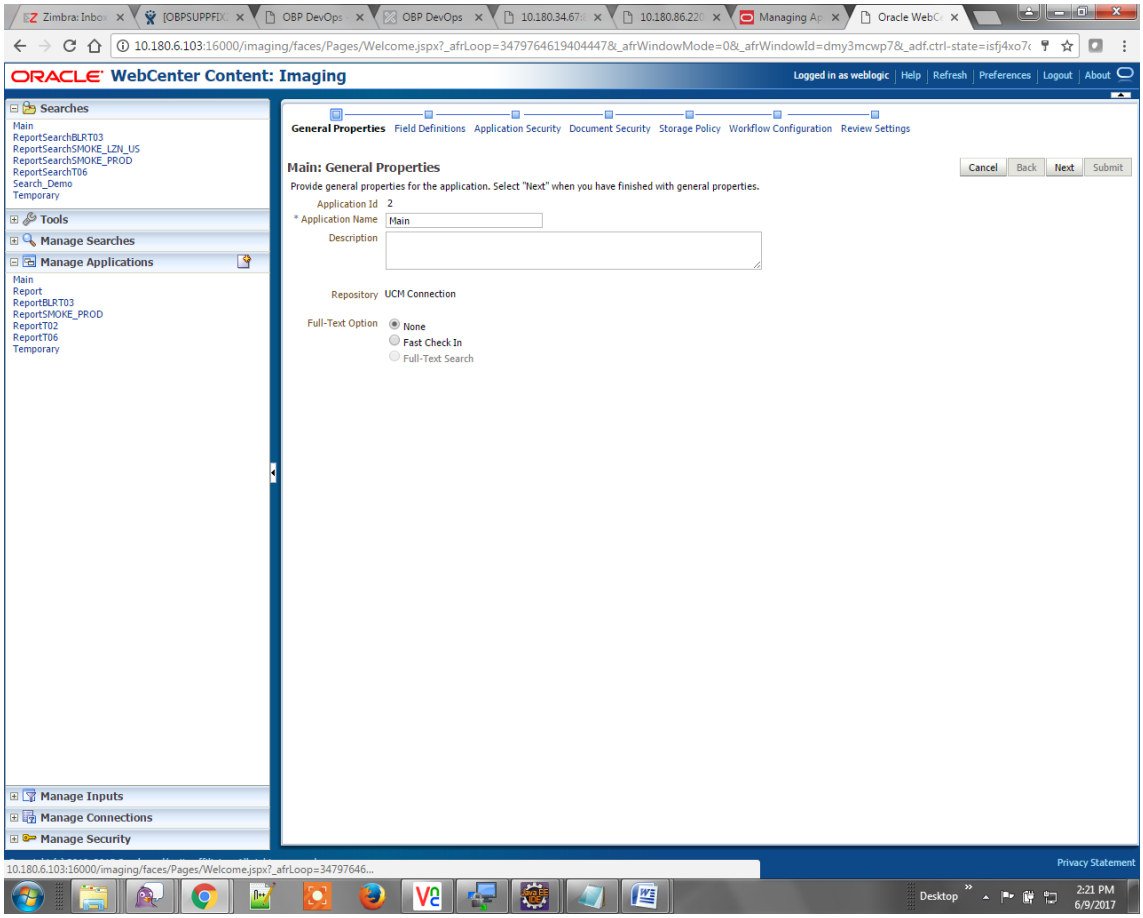
Create a main application and a temporary application in IPM.

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

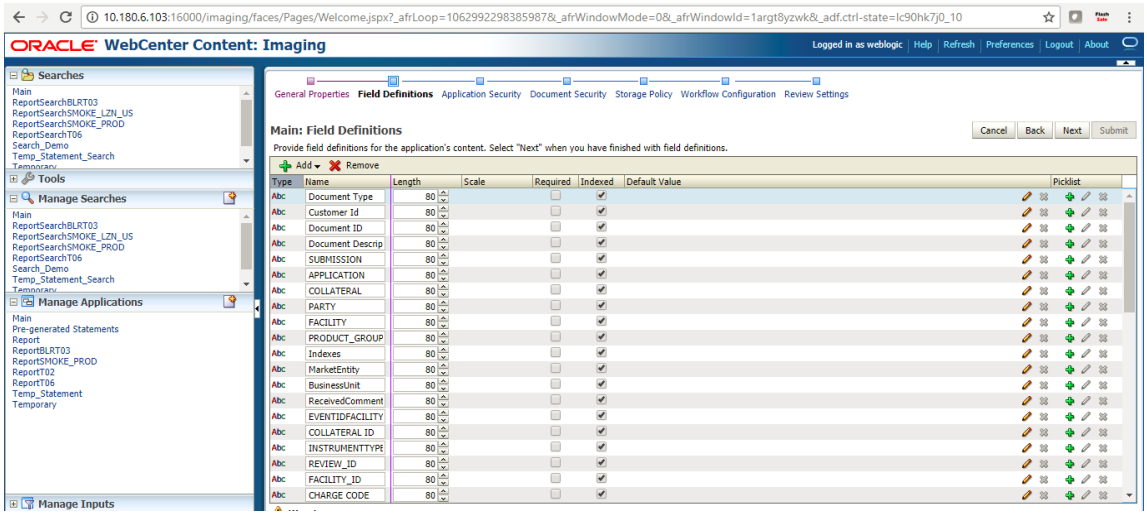
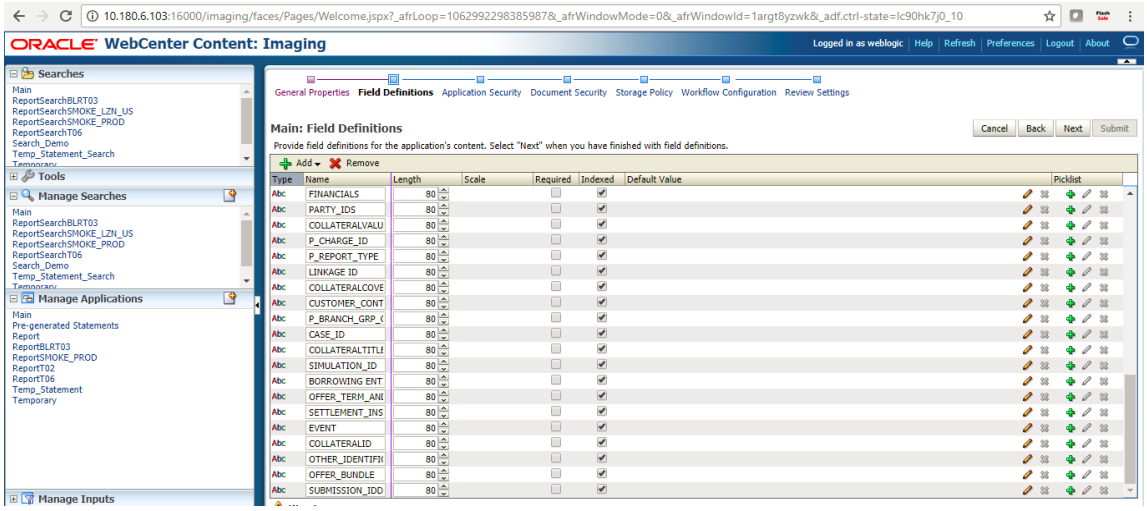


Figure 7–10 Field Definitions (cont.)



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

Figure 7–11 Main: Application Security

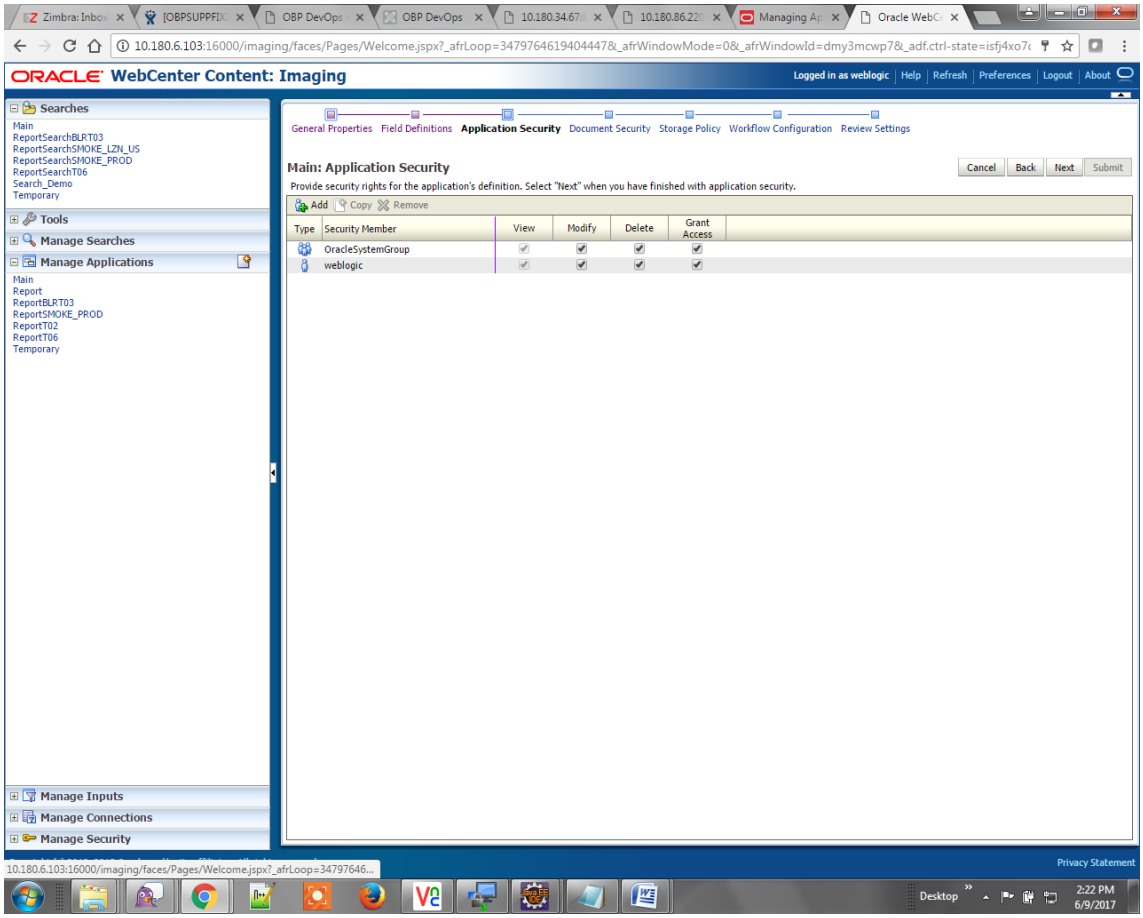
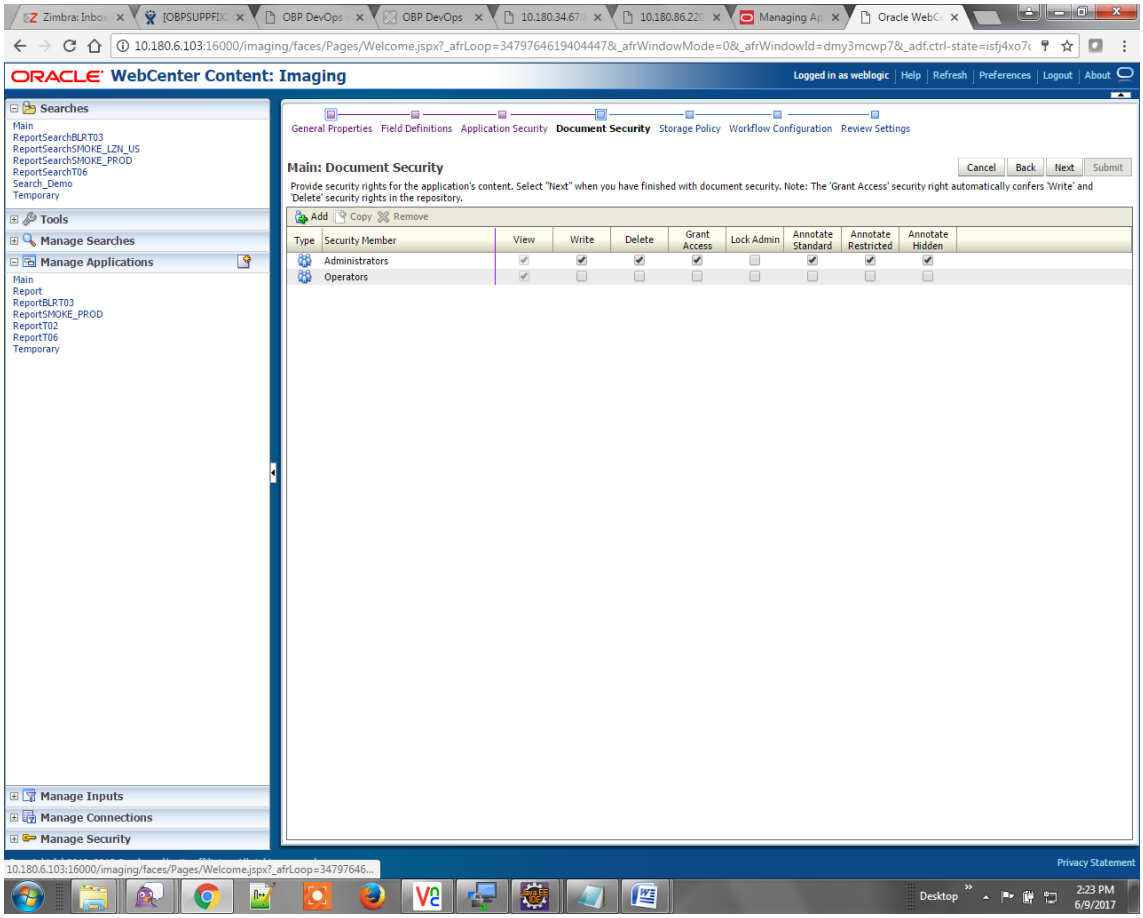
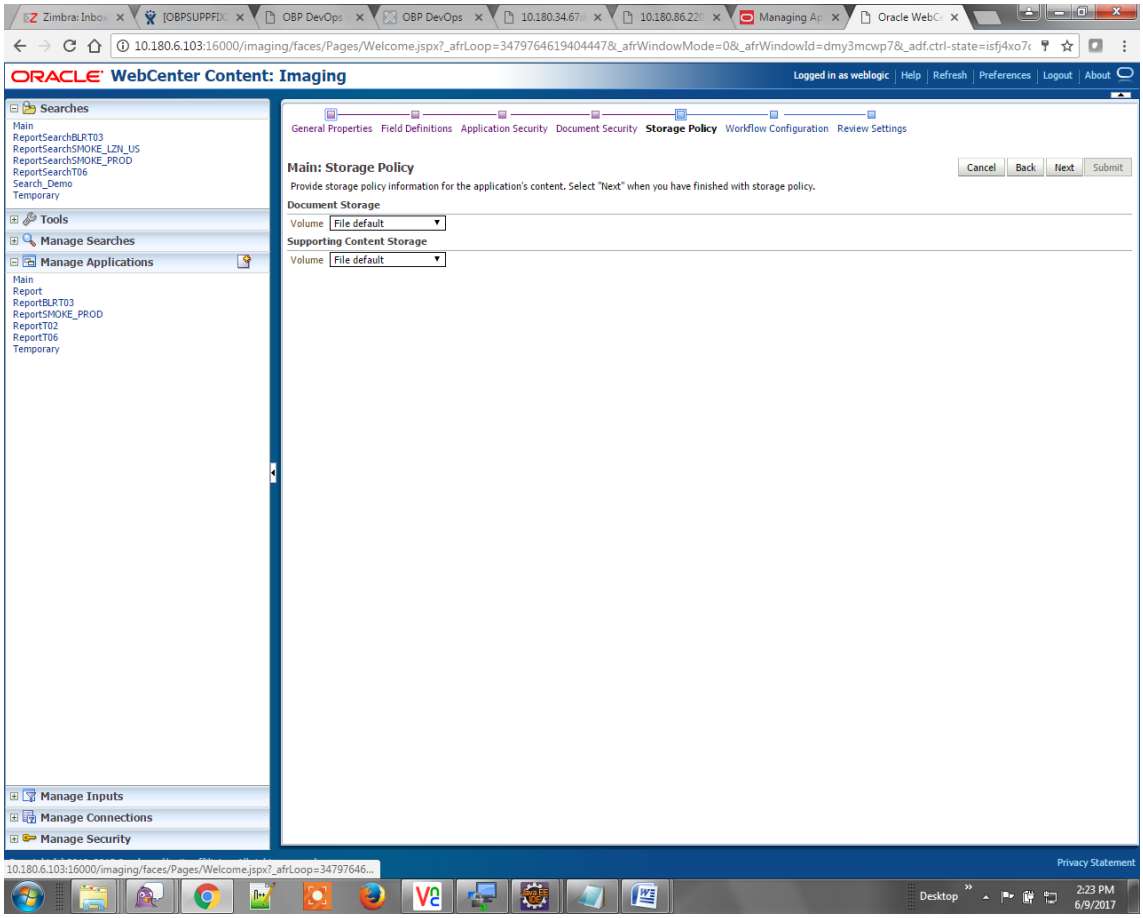


Figure 7–12 Main: Document Security



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

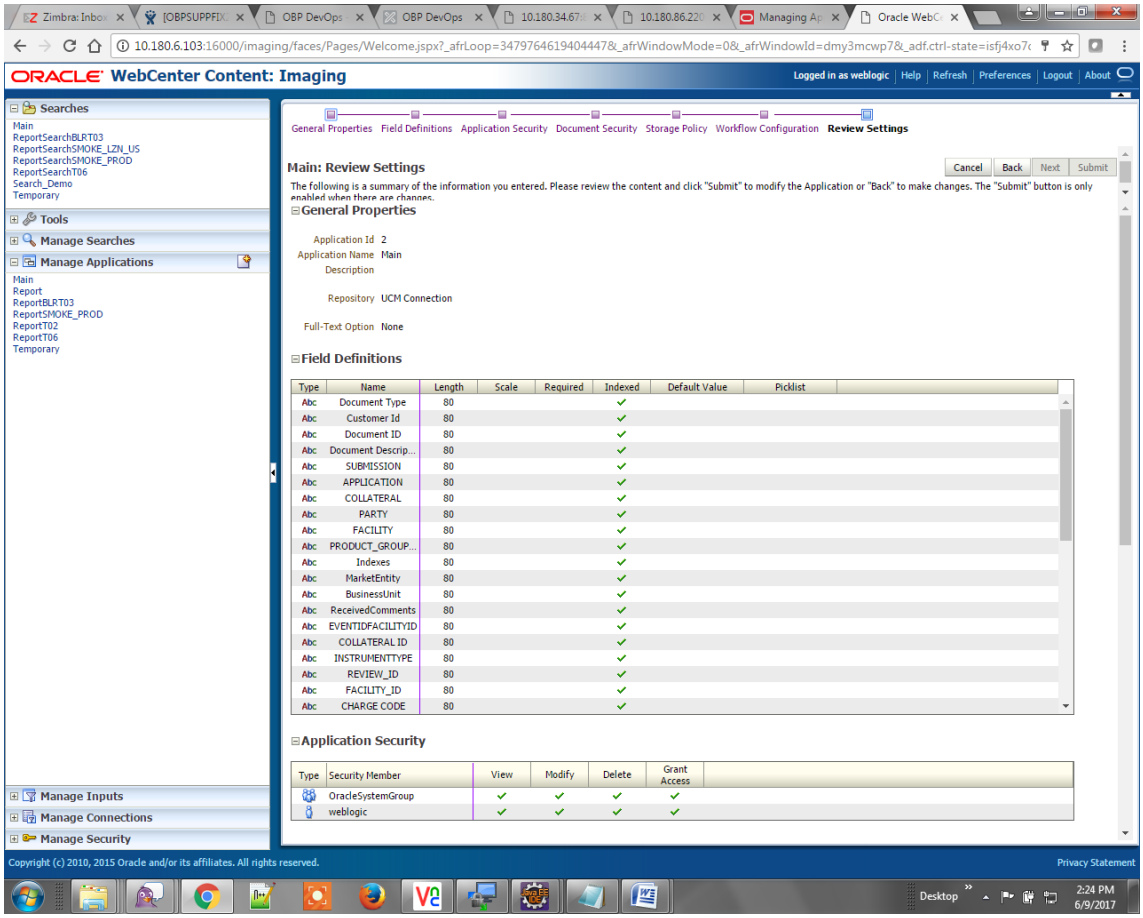
Figure 7–13 Main: Storage Policy



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

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

Figure 7–14 Main: Review Settings

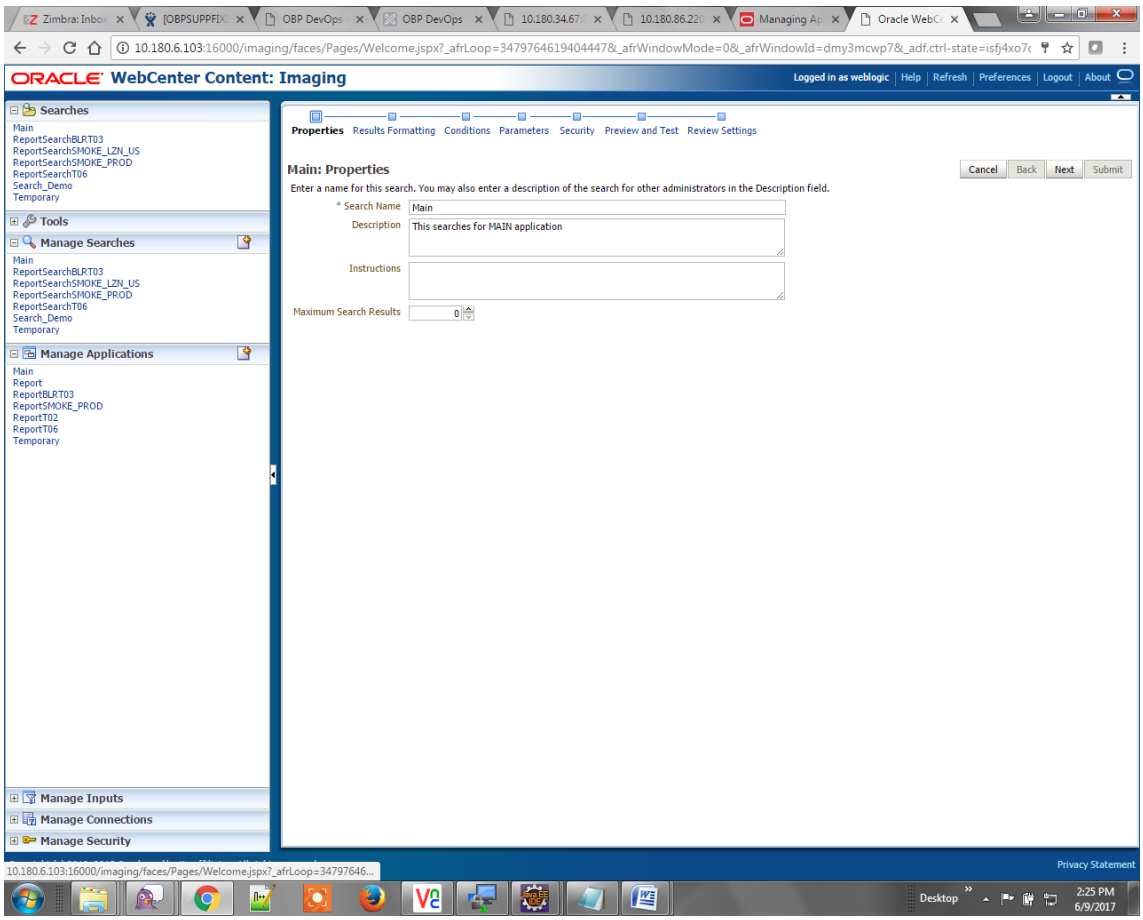


7.1.2.2 Manage Searches

To manage searches:

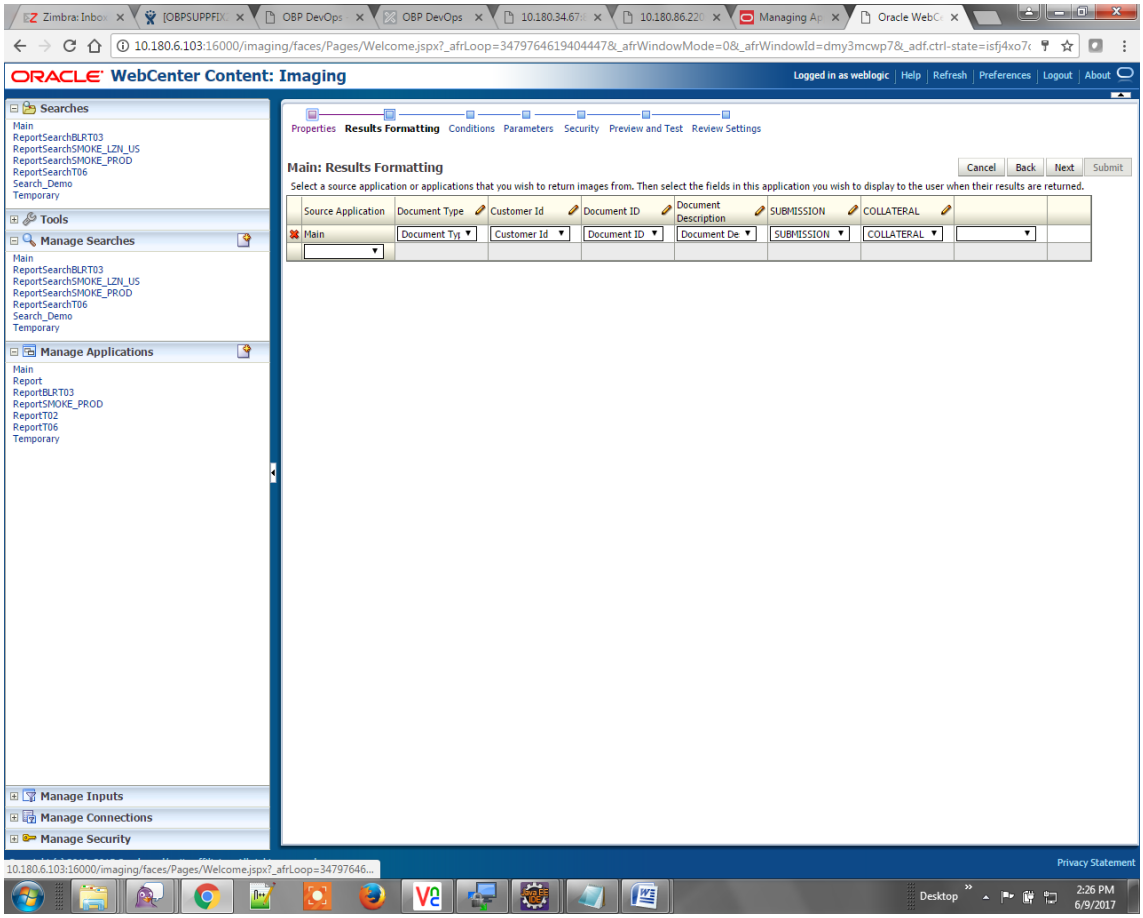
1. Click Manage Searches option and enter the search name with description.

Figure 7–15 Main: Properties



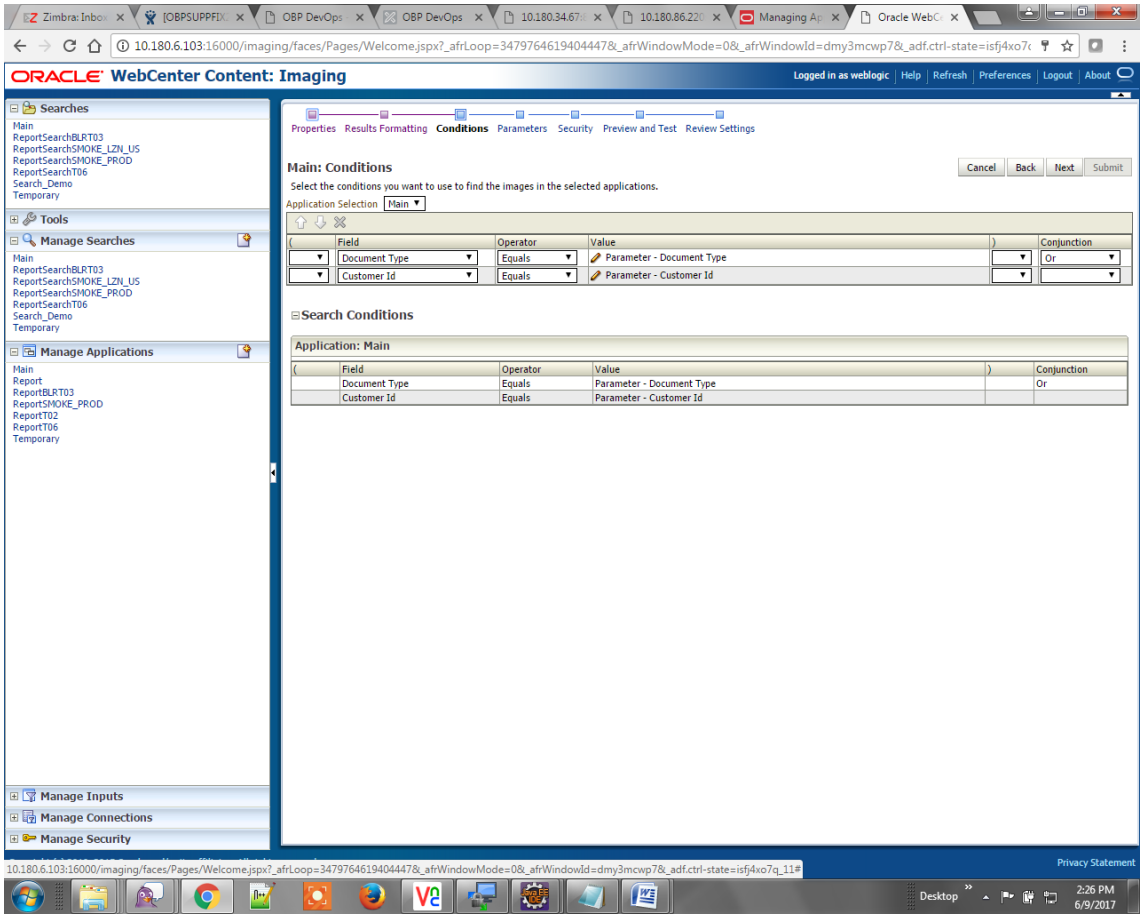
2. Click **Next.**
3. Select the source application along with its field details in the Results Formatting page.

Figure 7–16 Main: Results Formatting



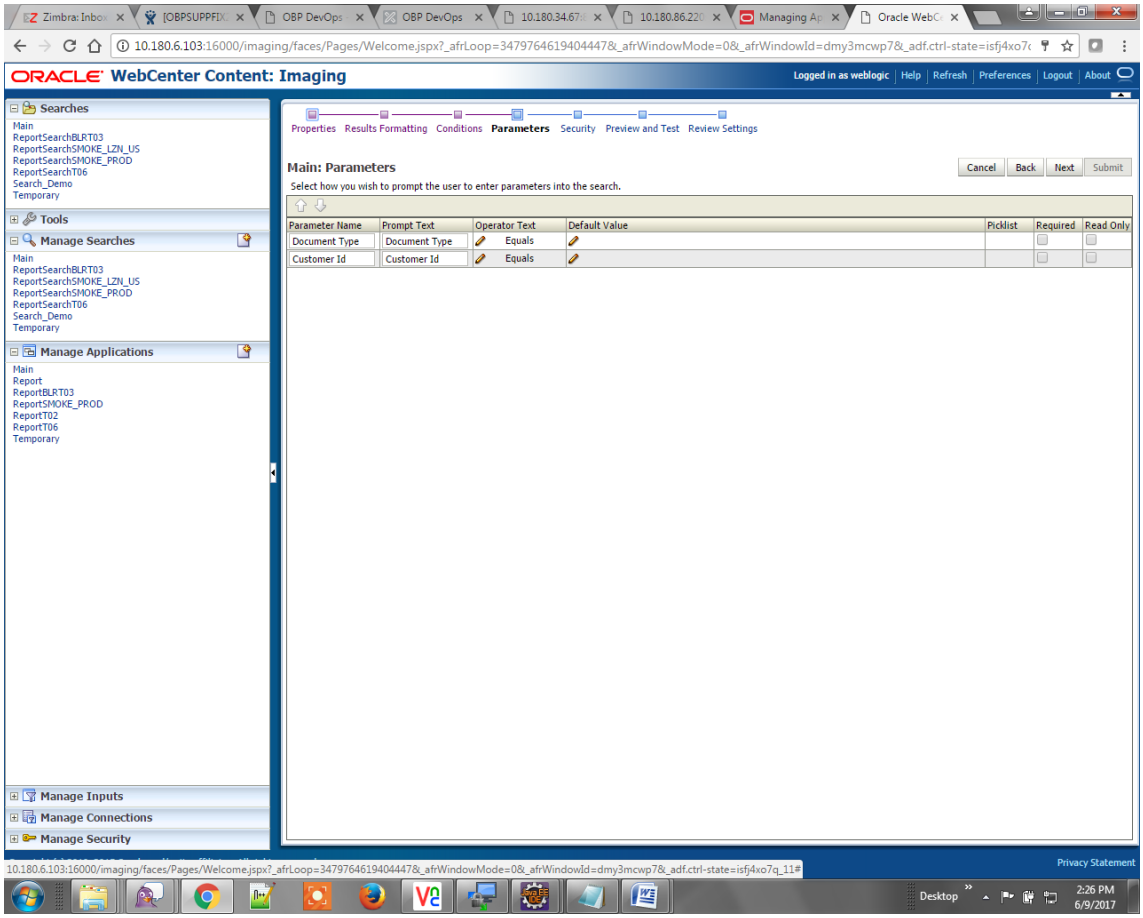
4. Select the appropriate conditions in the Conditions page as shown below.

Figure 7–17 Main: Conditions



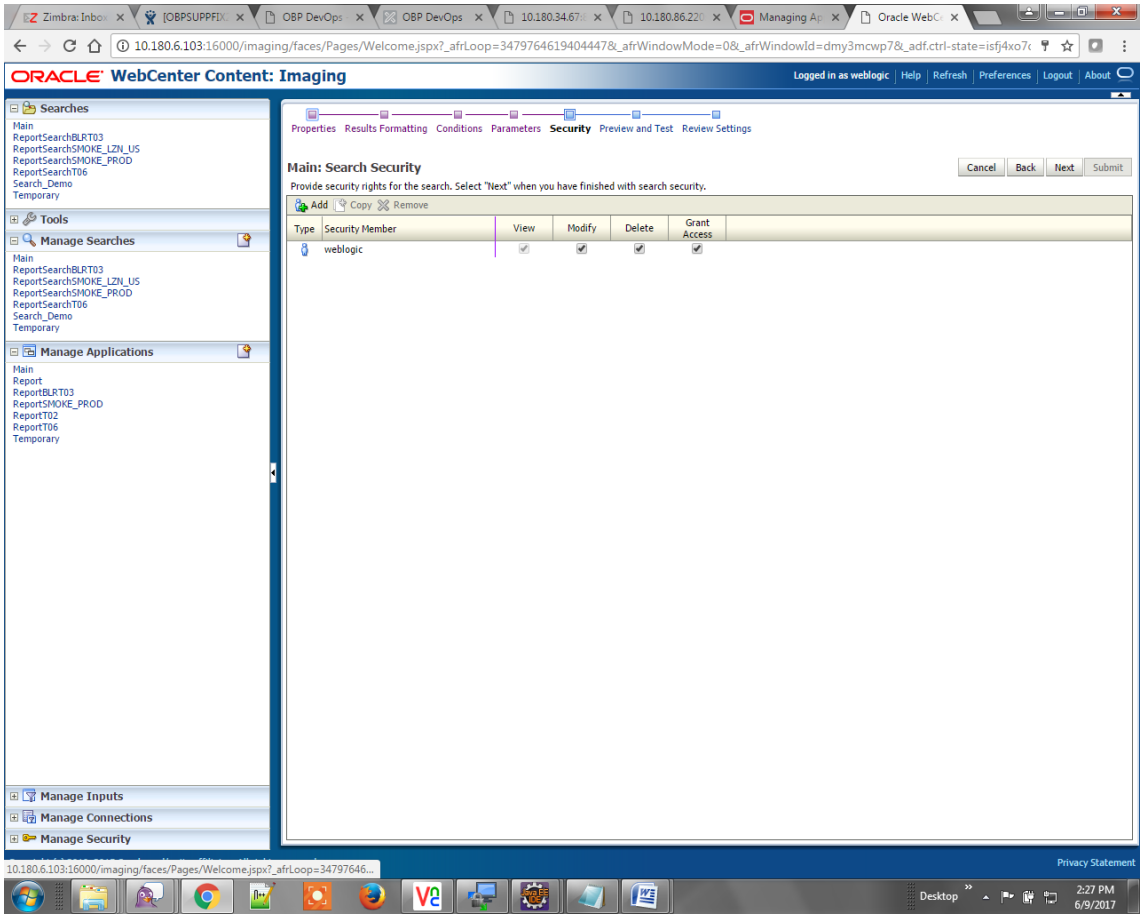
5. Select the appropriate settings in the Parameters page as shown below.

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

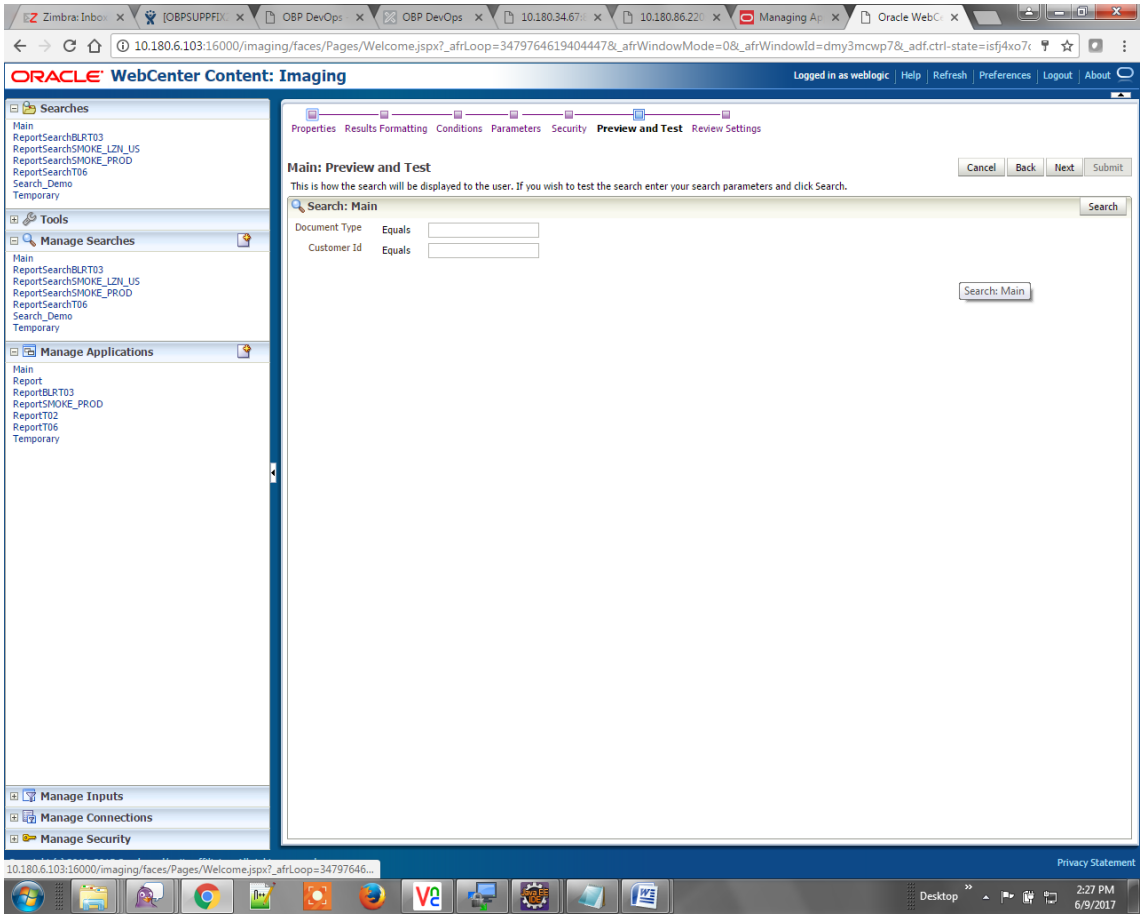
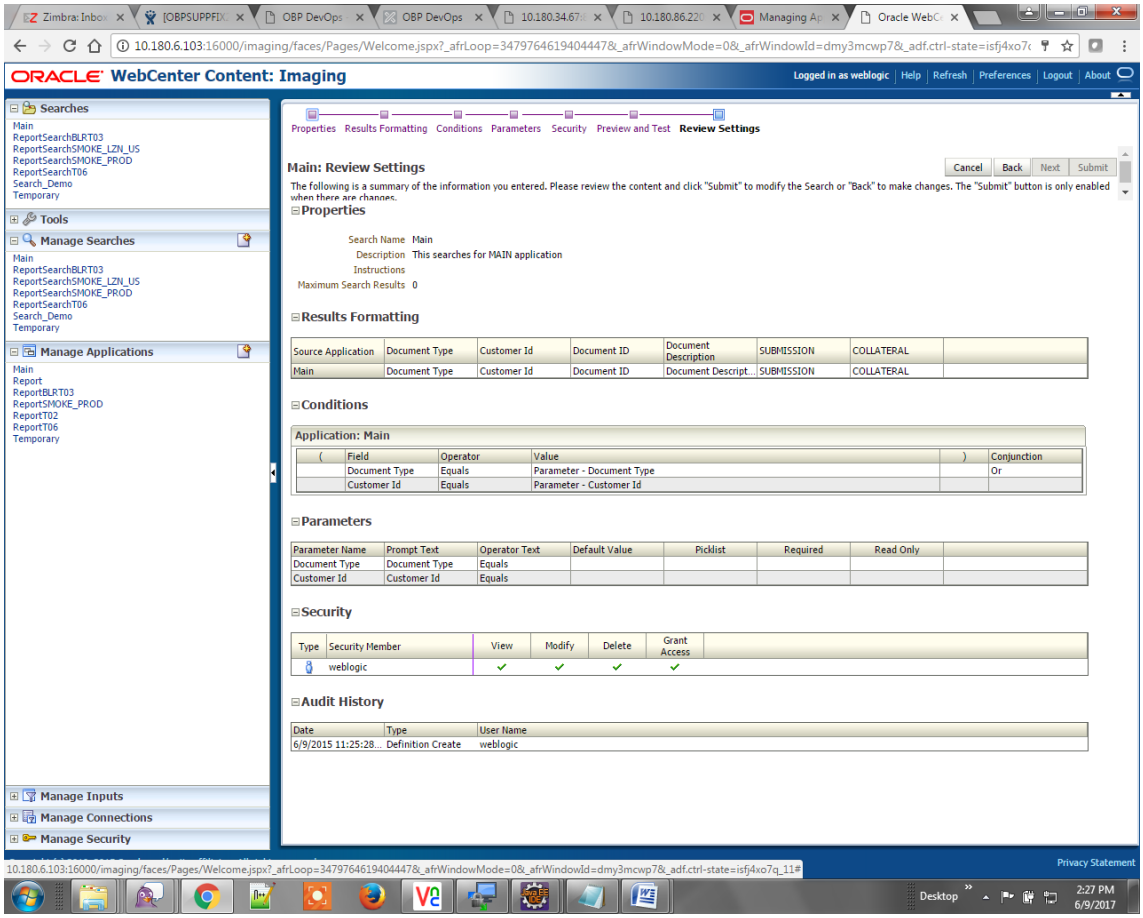


Figure 7–21 Main: Review Settings



7.1.3 Temp Application Configuration

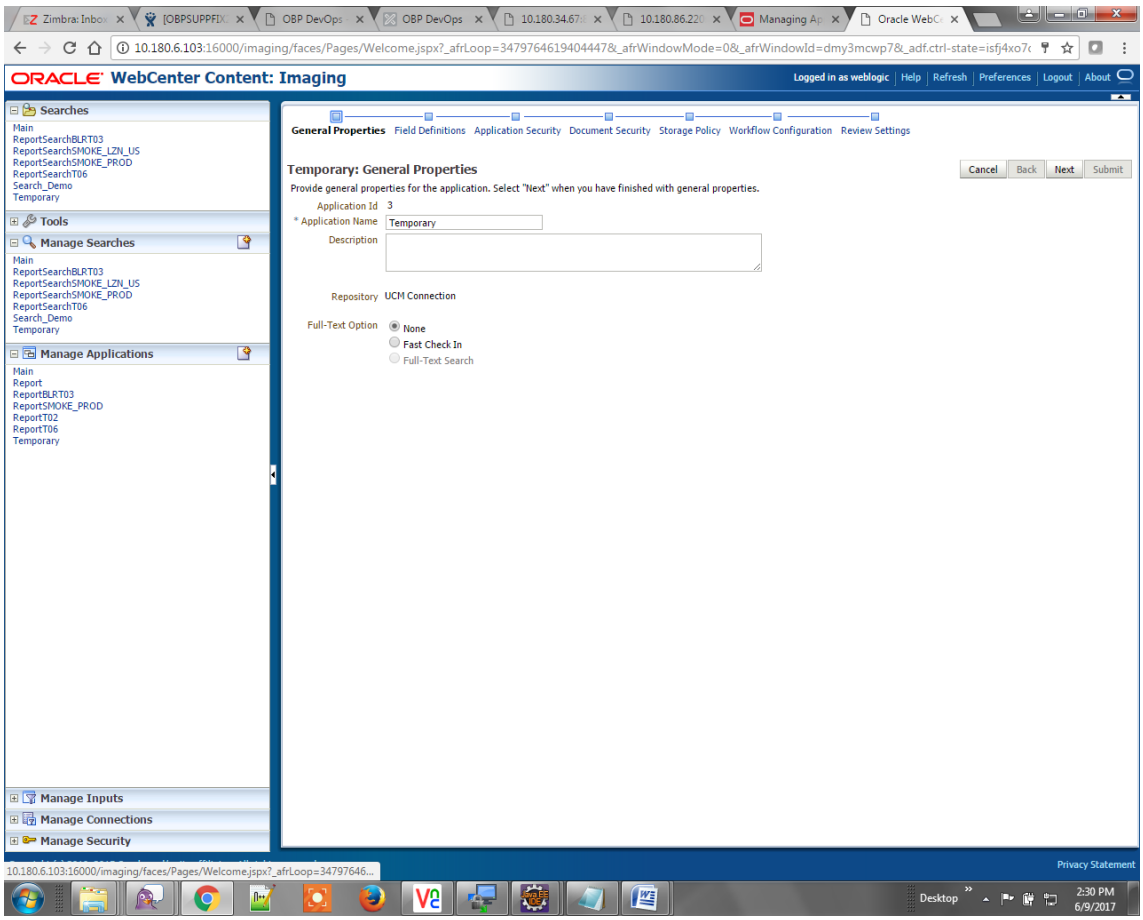
This section provides details about the temp application configuration.

7.1.3.1 Manage Application Configuration

To manage application configuration:

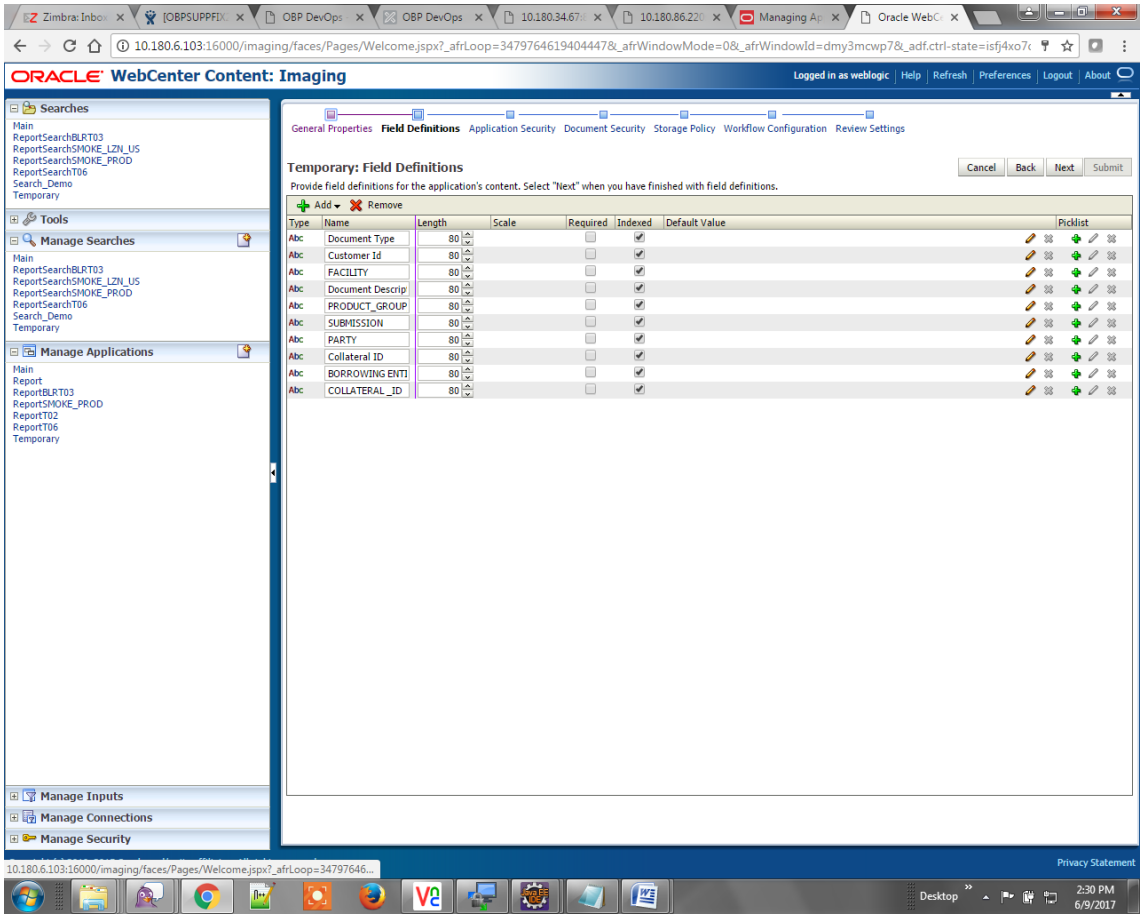
1. Select the Create New Application option.
2. Enter the general properties and click **Next.**

Figure 7–22 Temporary: General Properties



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

Figure 7–23 Temporary: Field Definitions



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

Figure 7–24 Temporary: Application Security

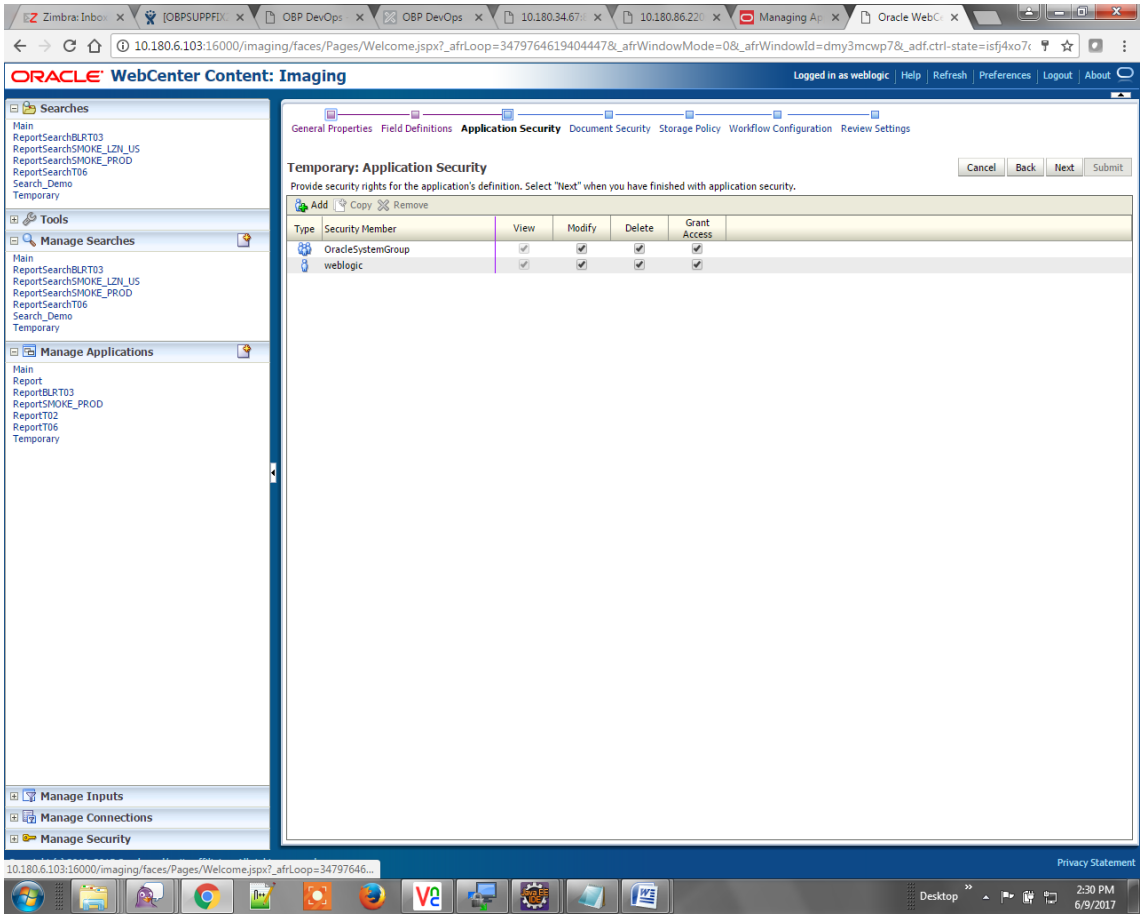
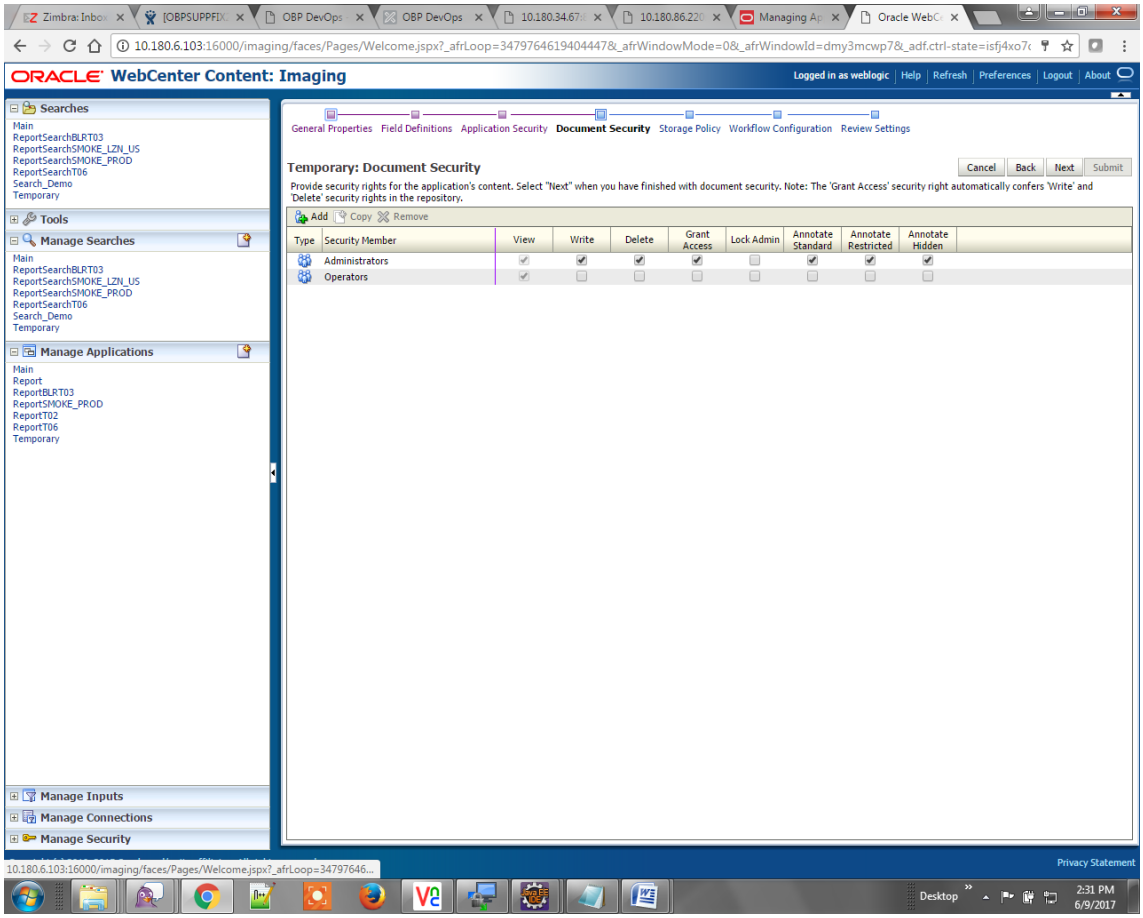
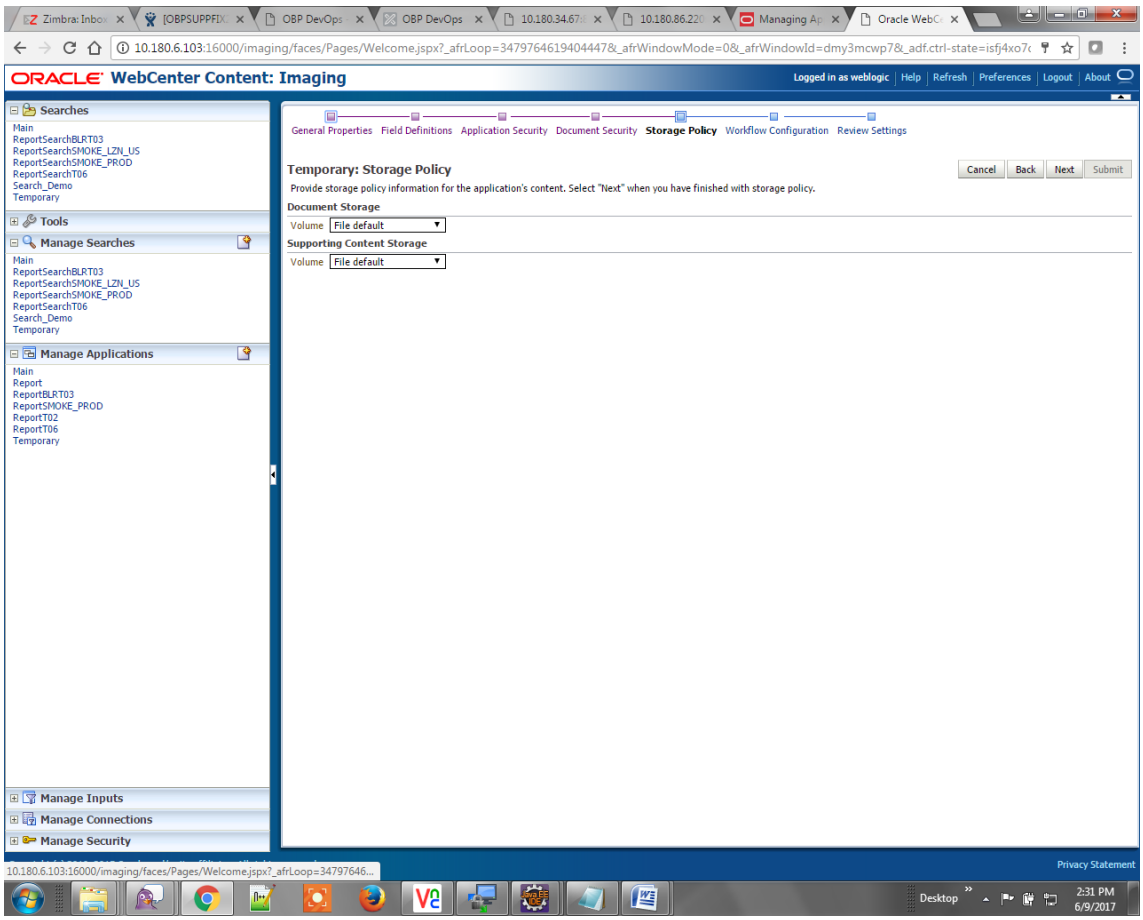


Figure 7–25 Temporary: Document Security



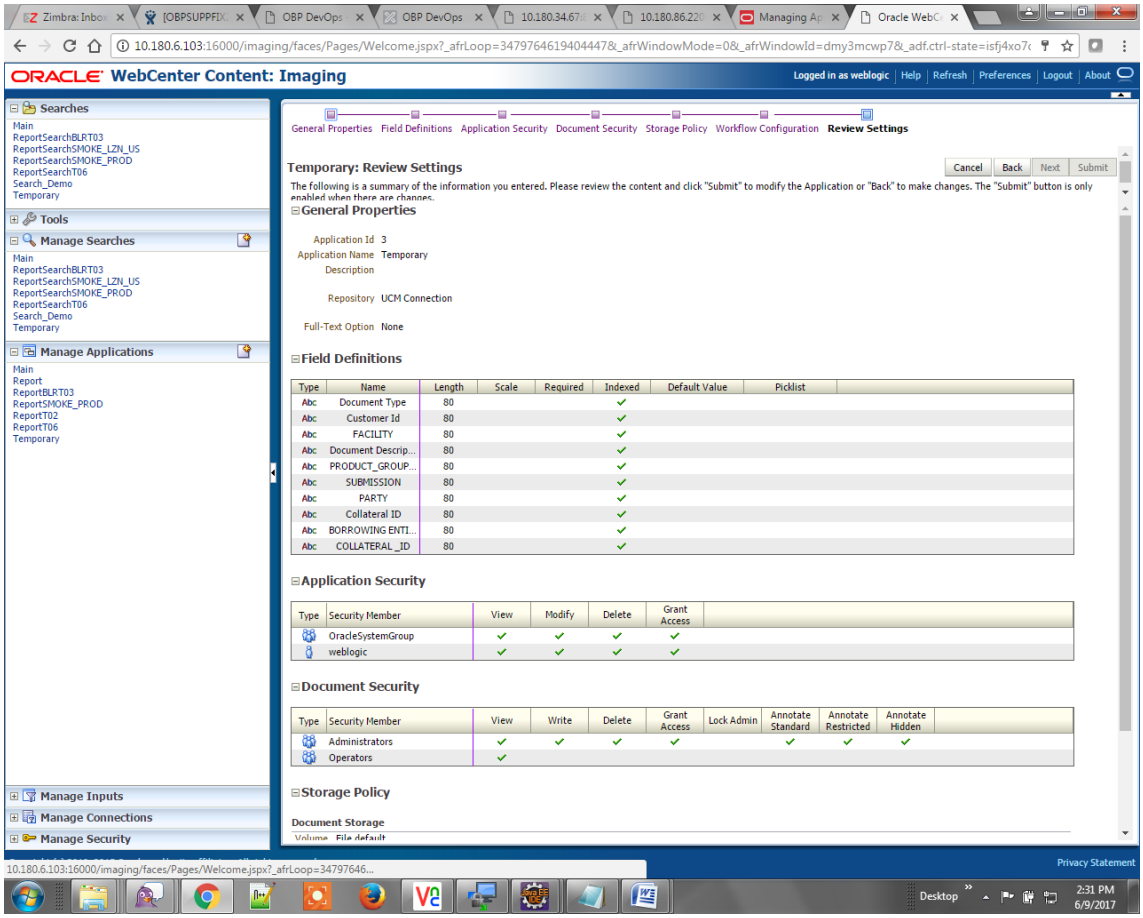
5. In the Storage Policy page, select the file default option has shown below.

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

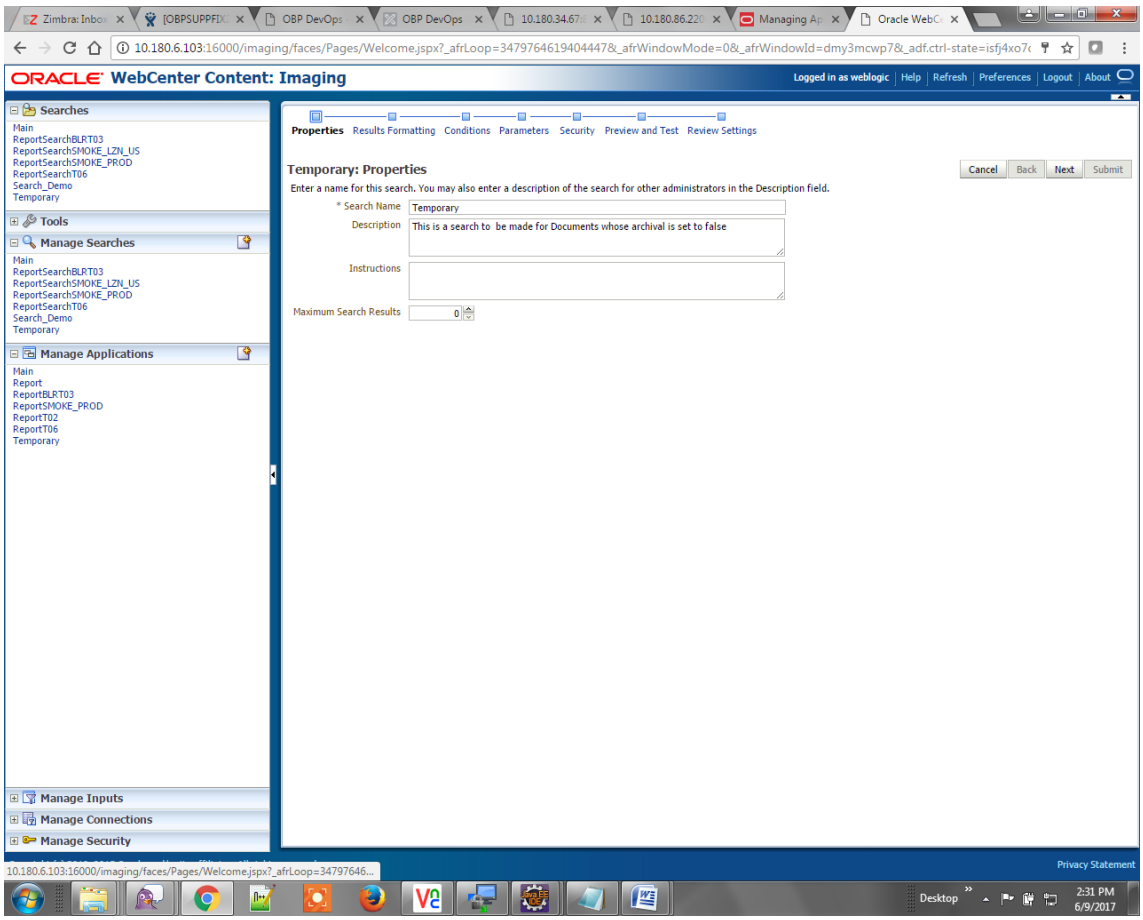


7.1.3.2 Manage Searches

To manage searches:

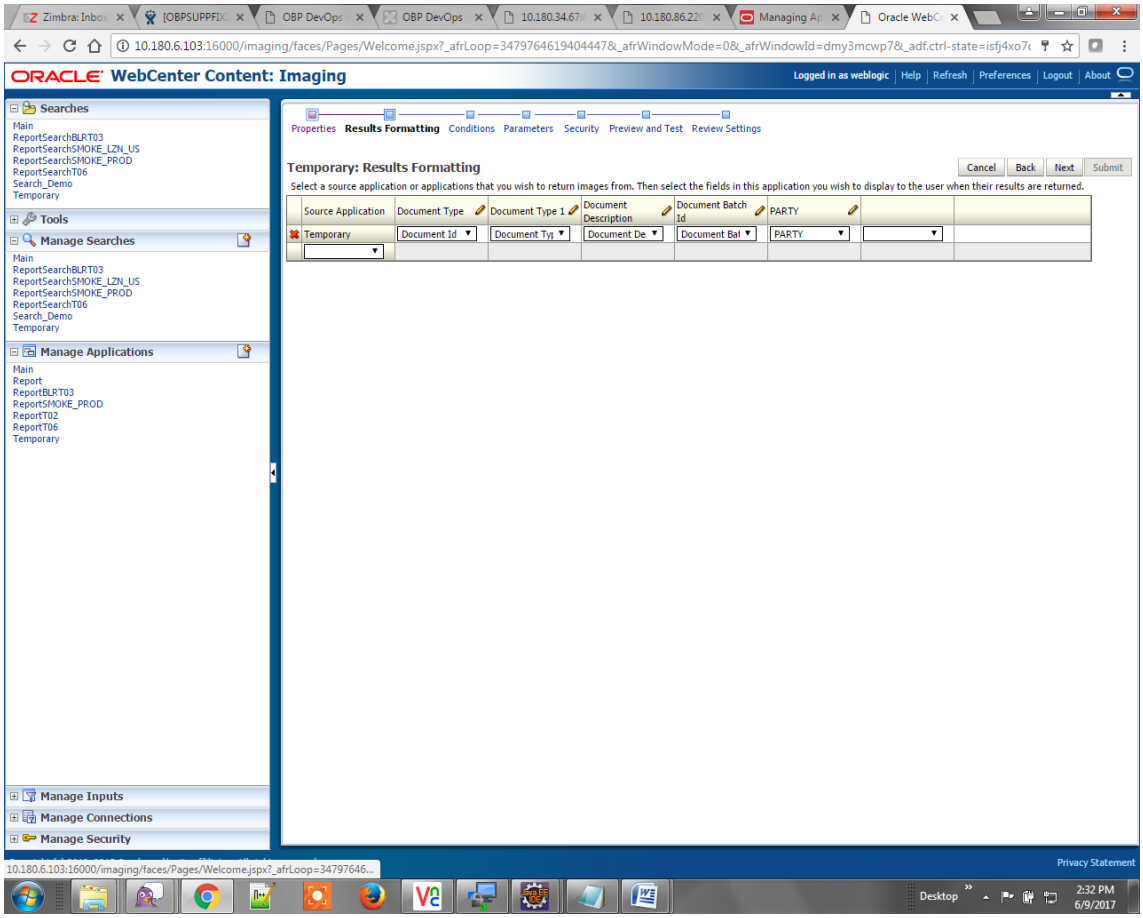
1. Click the Manage Searches option and enter the search name with description.

Figure 7–28 Temporary: Properties



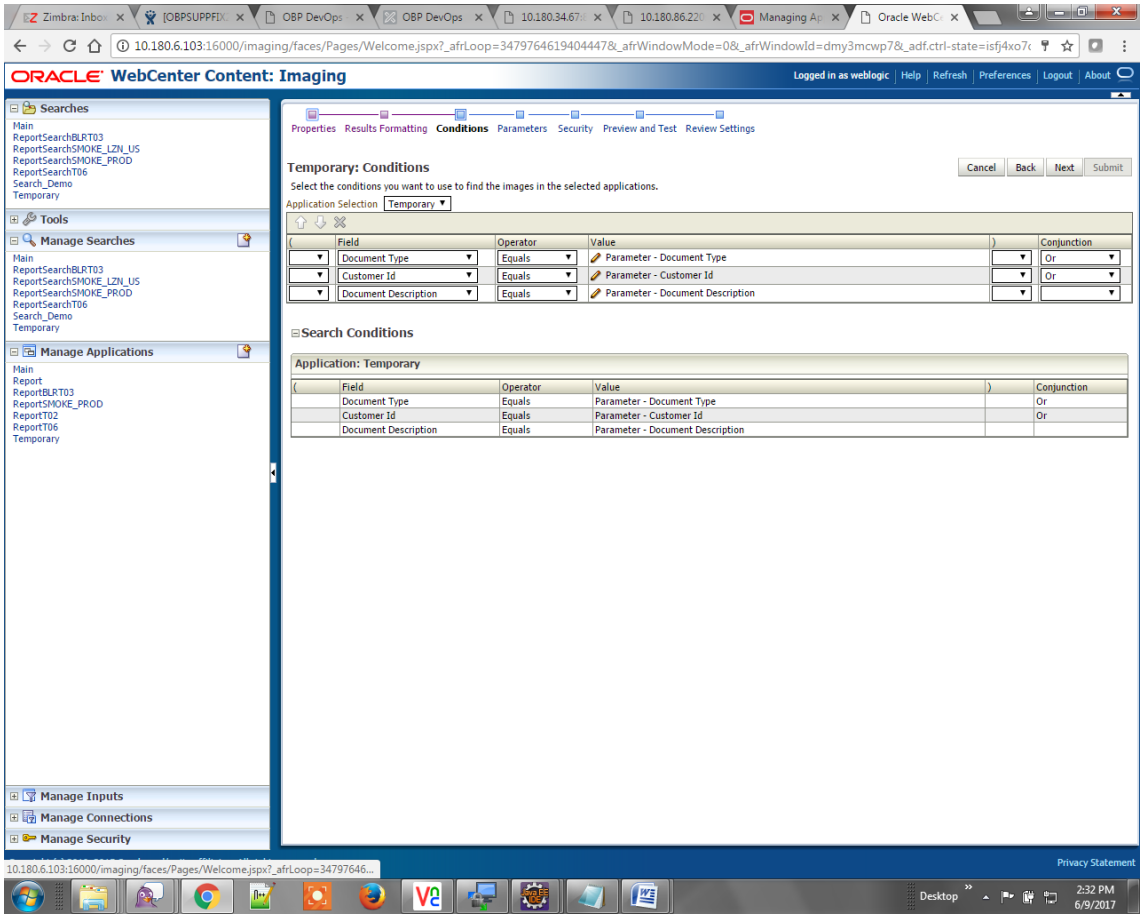
2. Select the source application along with its field details in the Results Formatting page.

Figure 7–29 Temporary: Results Formatting



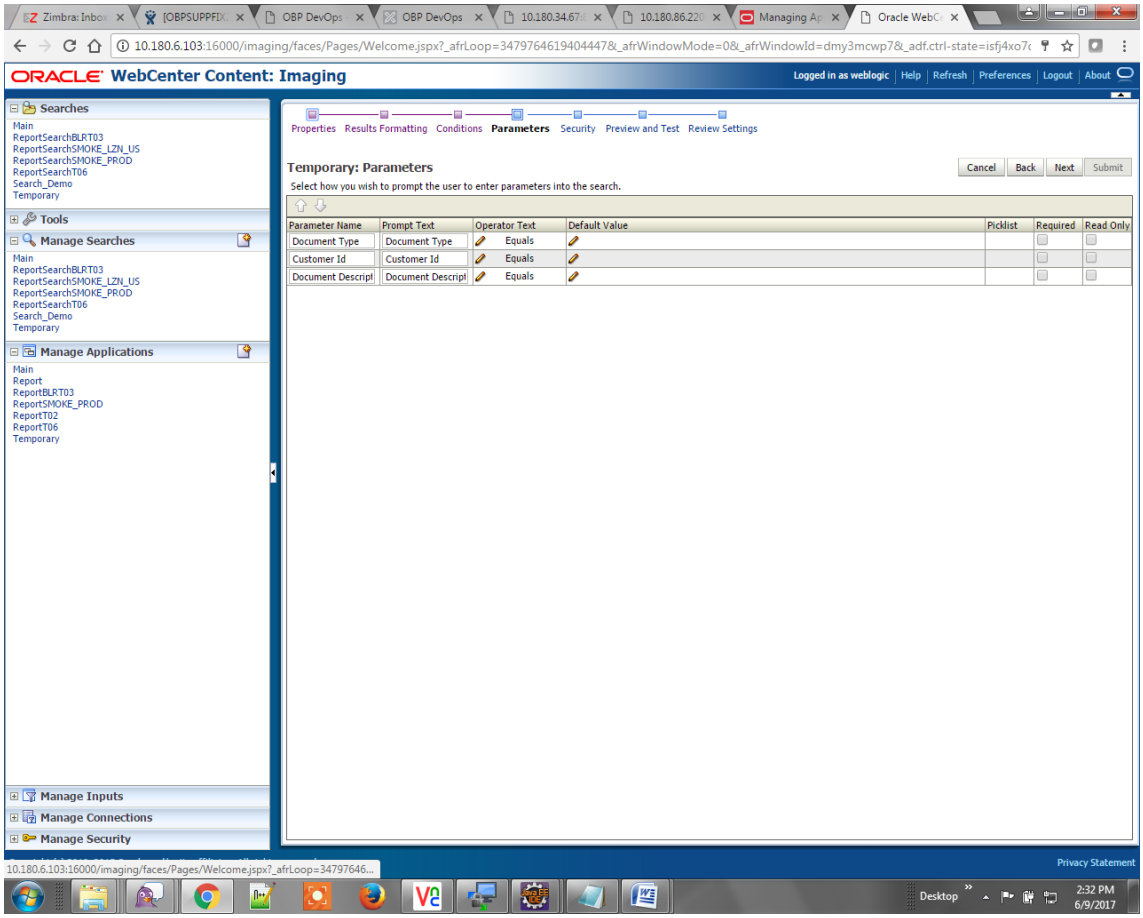
3. Select the appropriate conditions in the Conditions page as shown below.

Figure 7–30 Temporary: Conditions



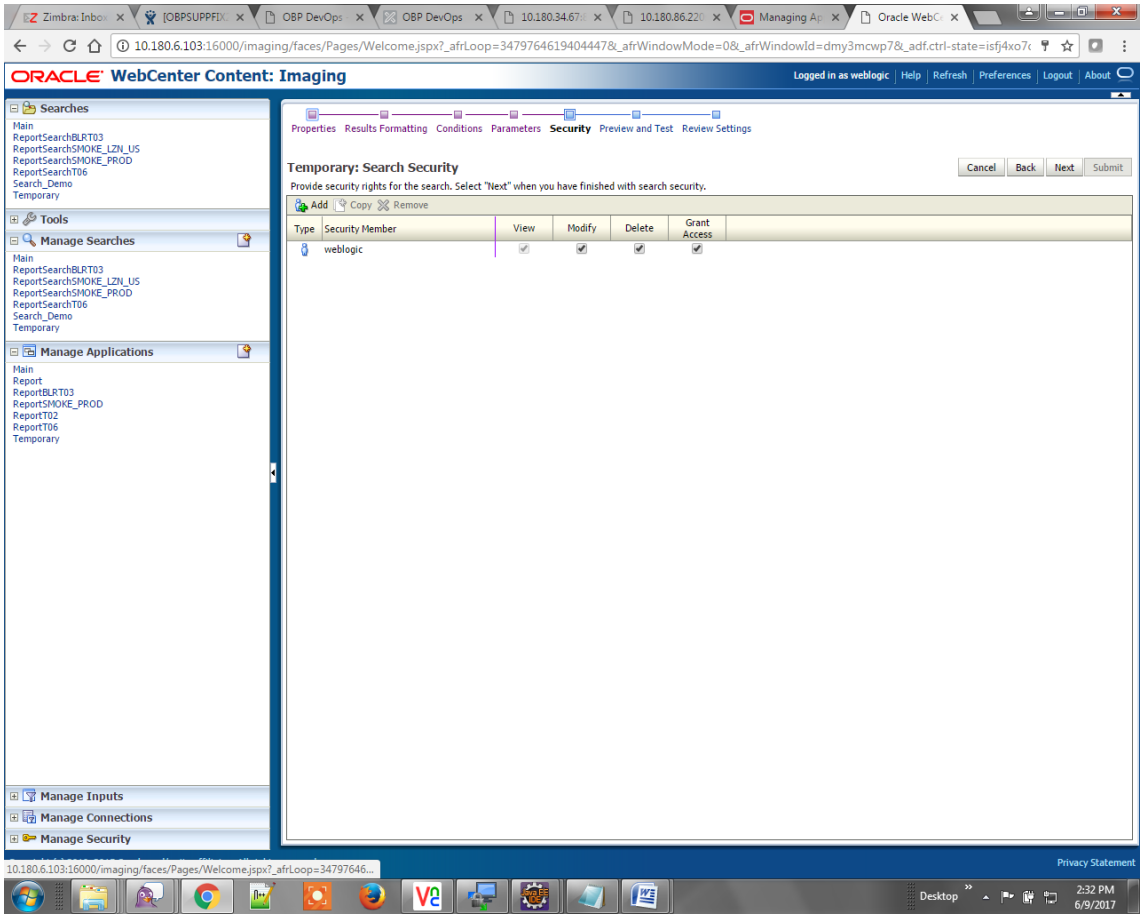
4. Select the appropriate settings in the Parameters page as shown below.

Figure 7–31 Temporary: Parameters



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

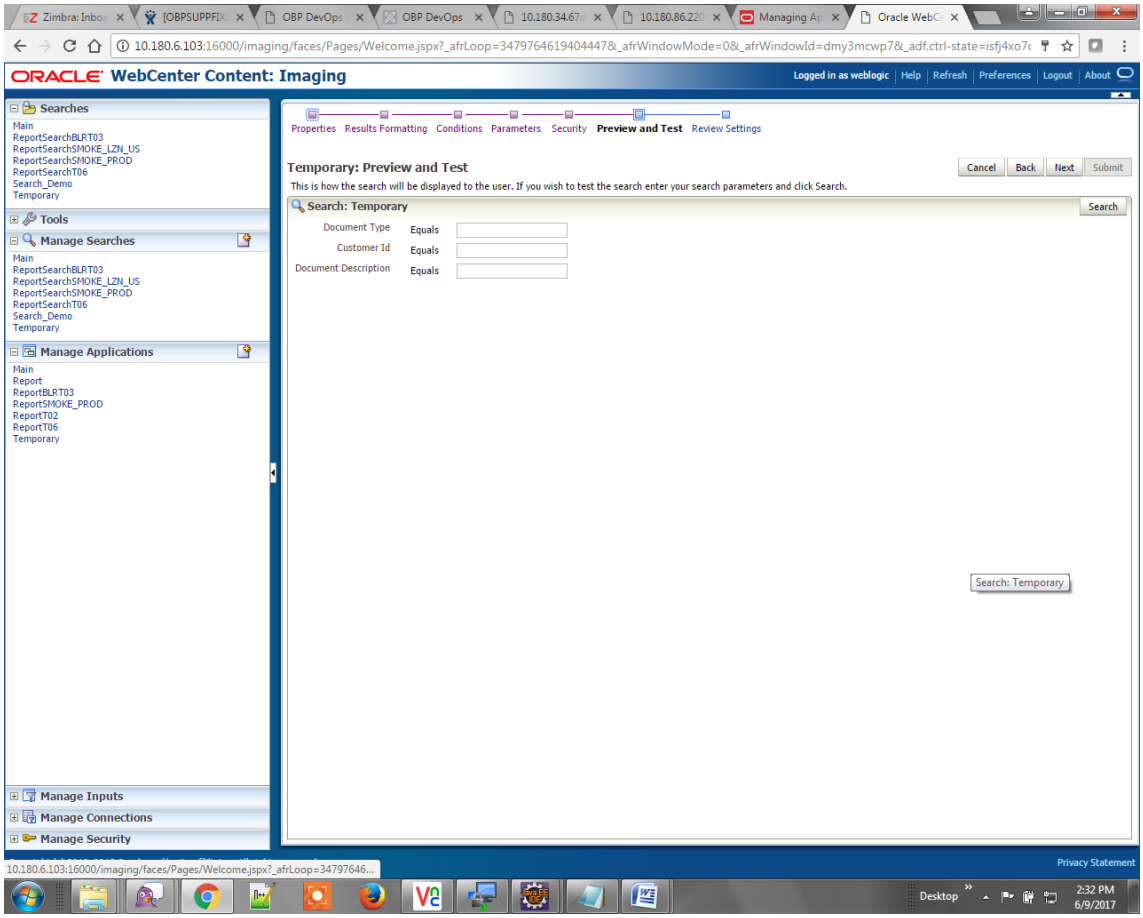
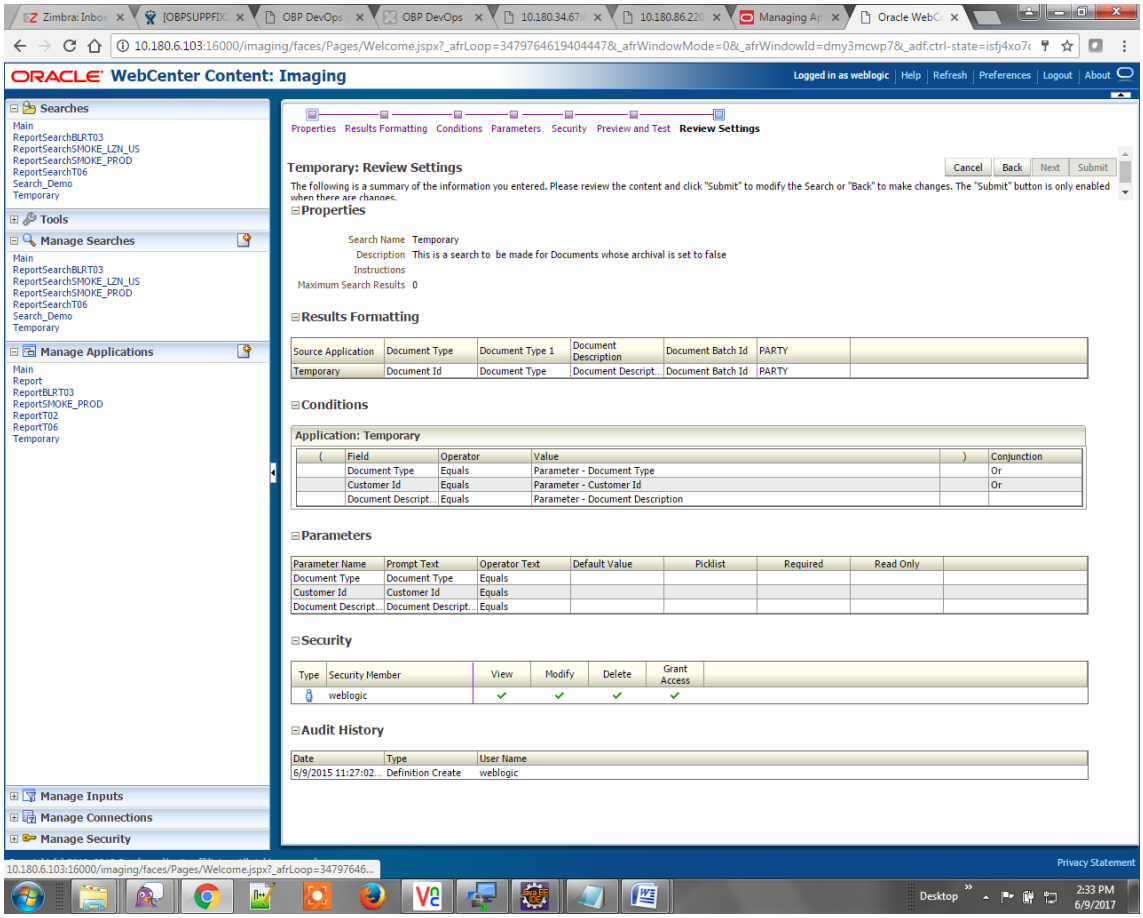


Figure 7–34 Temporary: Review Settings



The application ID generated for the main and temporary applications should be updated in the OBPM 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 OBPM 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.

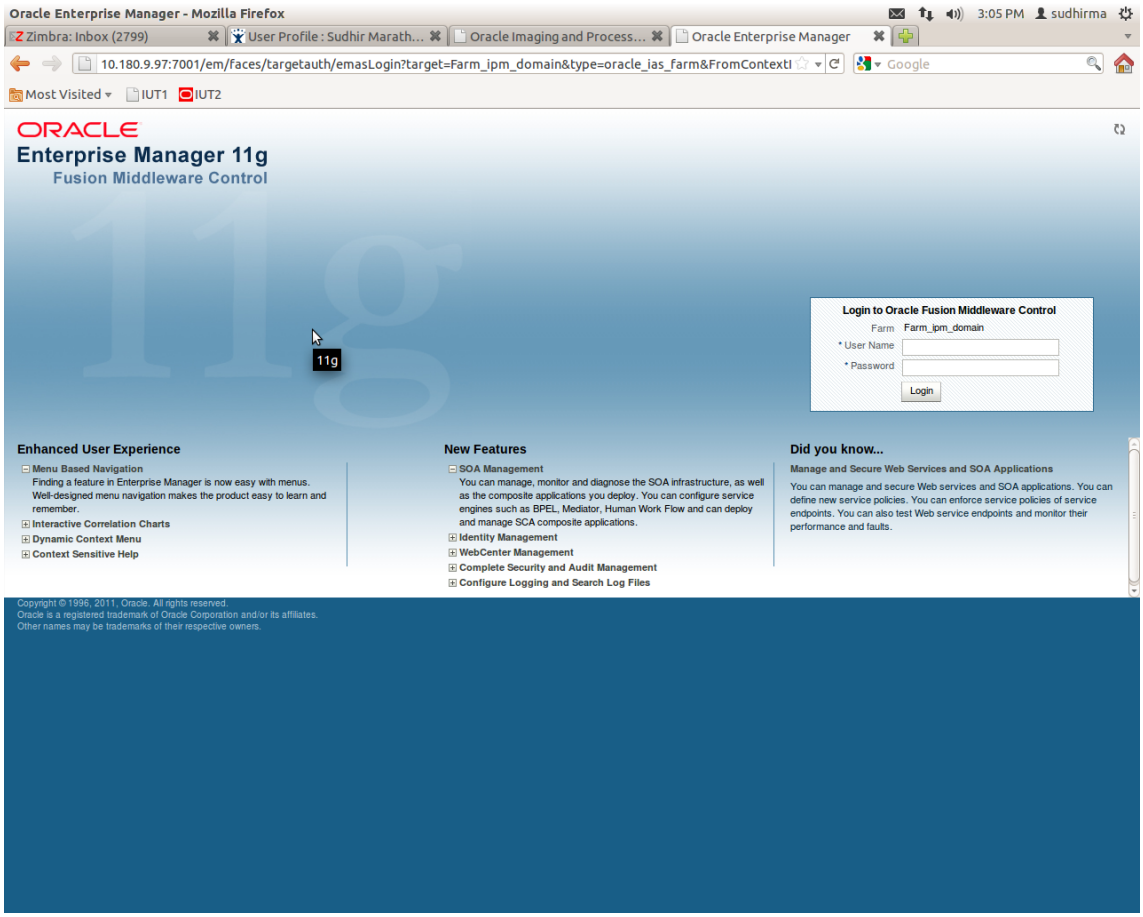
7.2.2 Setting up the Connection Name

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:

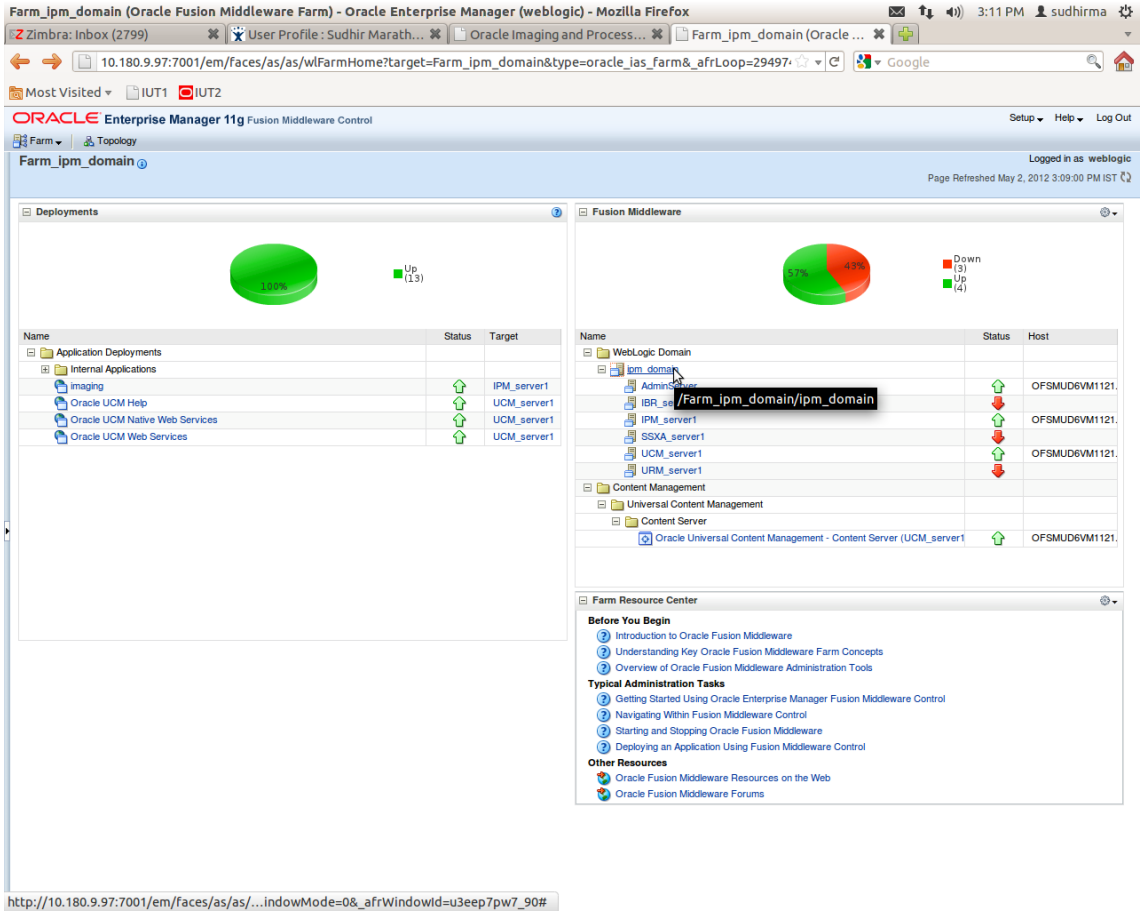
1. Log in to Enterprise Manager (EM) console.

Figure 7–35 EM Console Login



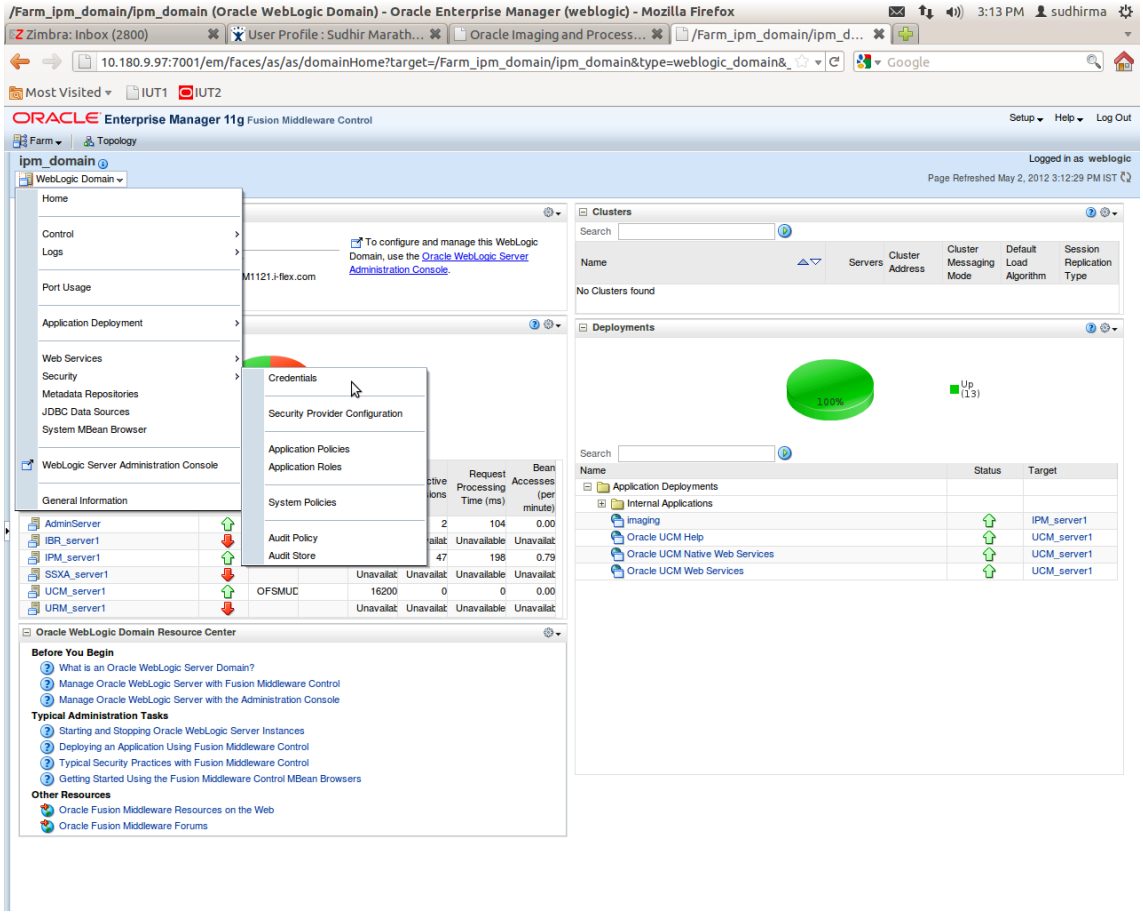
2. In the Name section, under Weblogic domain, click **ipm domain** (or base domain where ipm server is installed).

Figure 7–36 Click Weblogic Domain: ipm domain



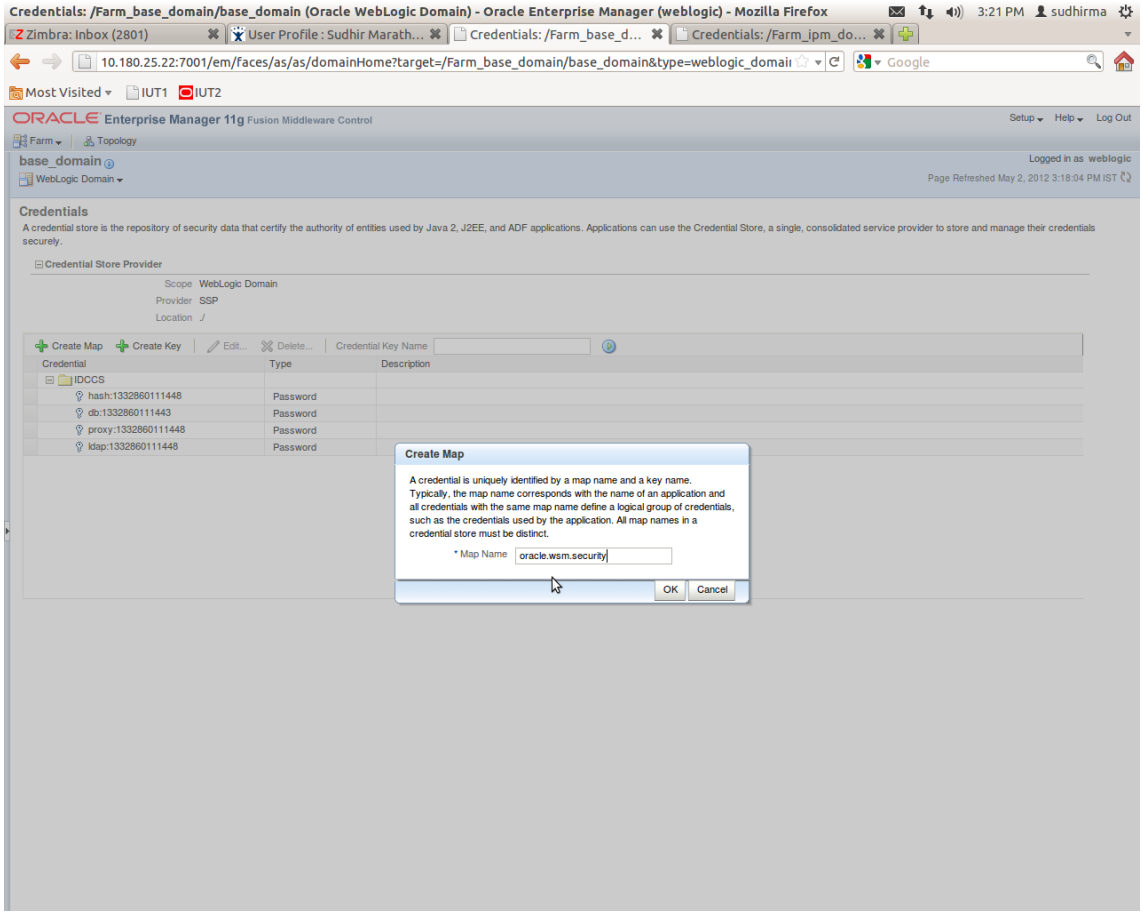
3. In the top menu, **click Weblogic Domain**. The corresponding menu appears.
4. Navigate to **Security > Credentials**. The Credentials page appears.

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



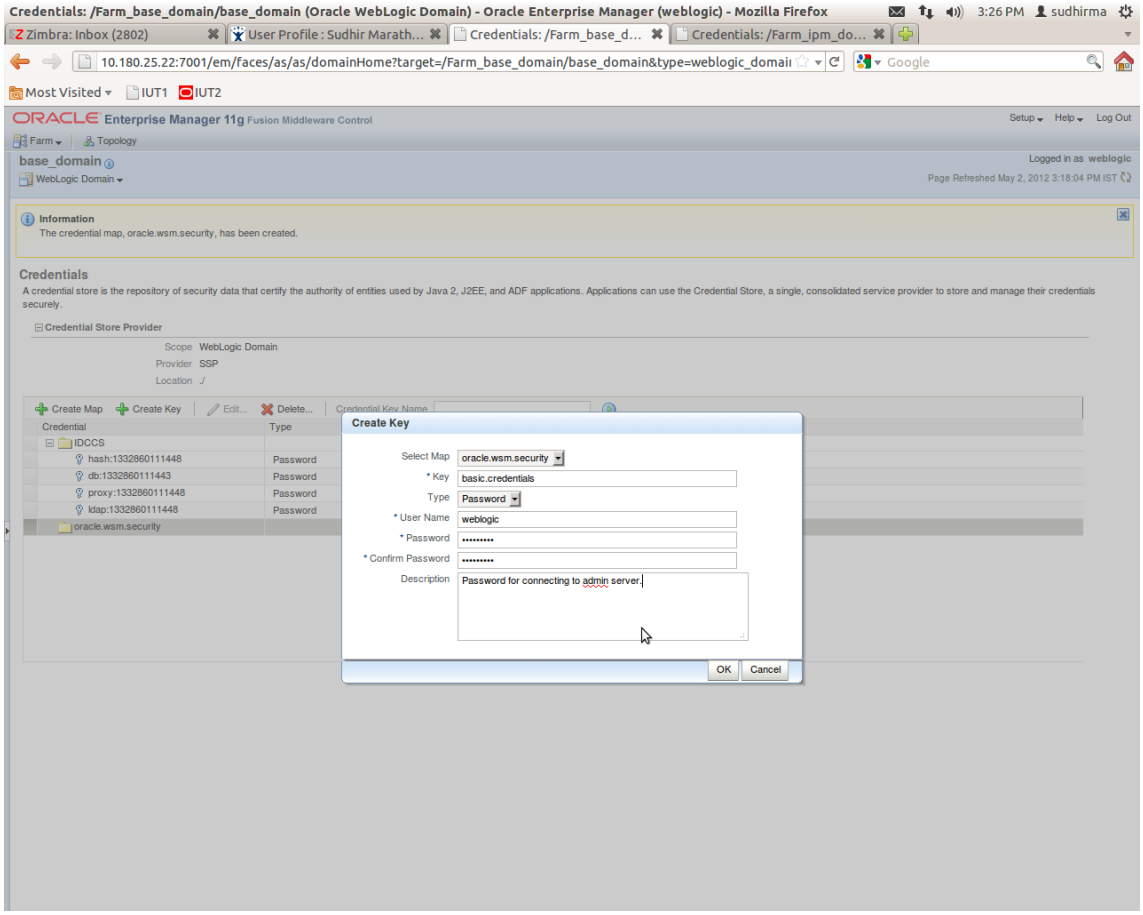
5. Click **Create Map** to create a map with the **Map Name** as **oracle.wsm.security.**

Figure 7–38 Create Map oracle.wsm.security



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

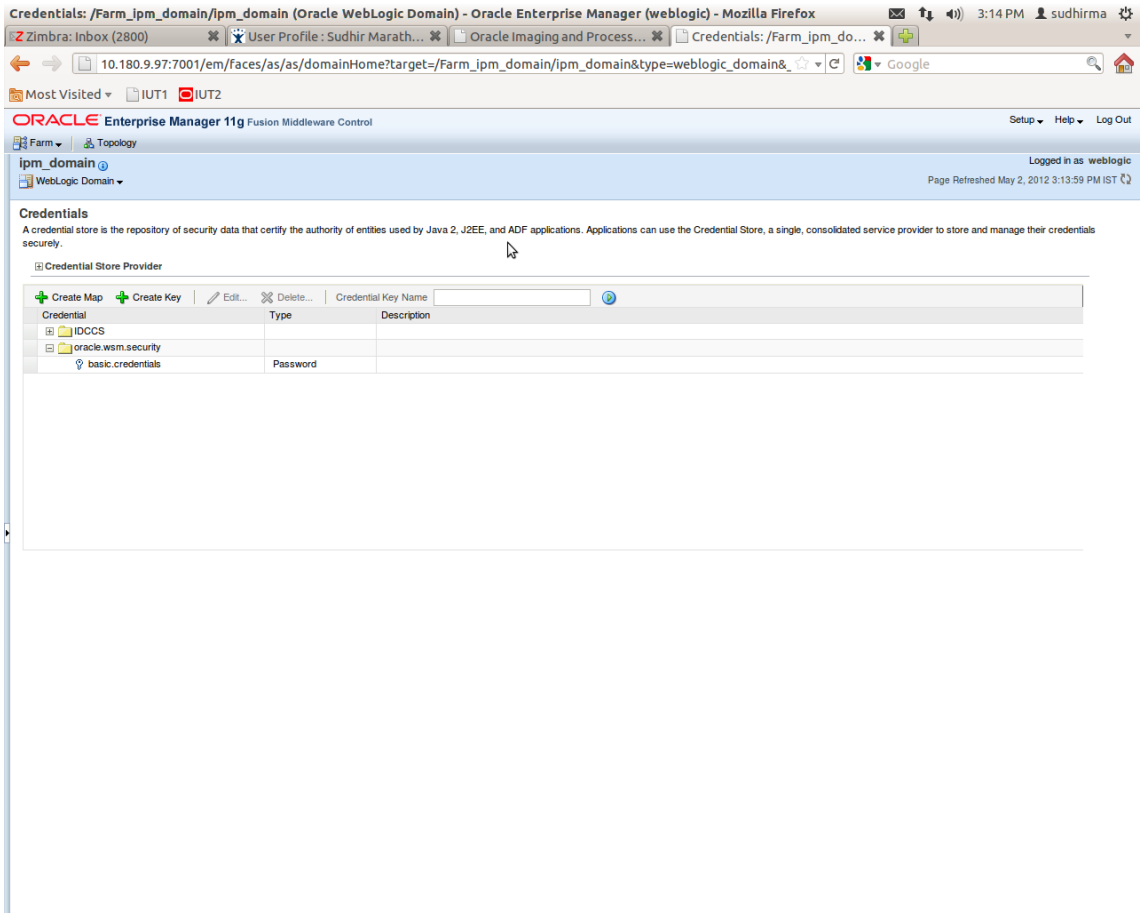
Figure 7–39 Create Key basic.credentials



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.

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

Figure 7–40 ipm_domain: Credentials Created

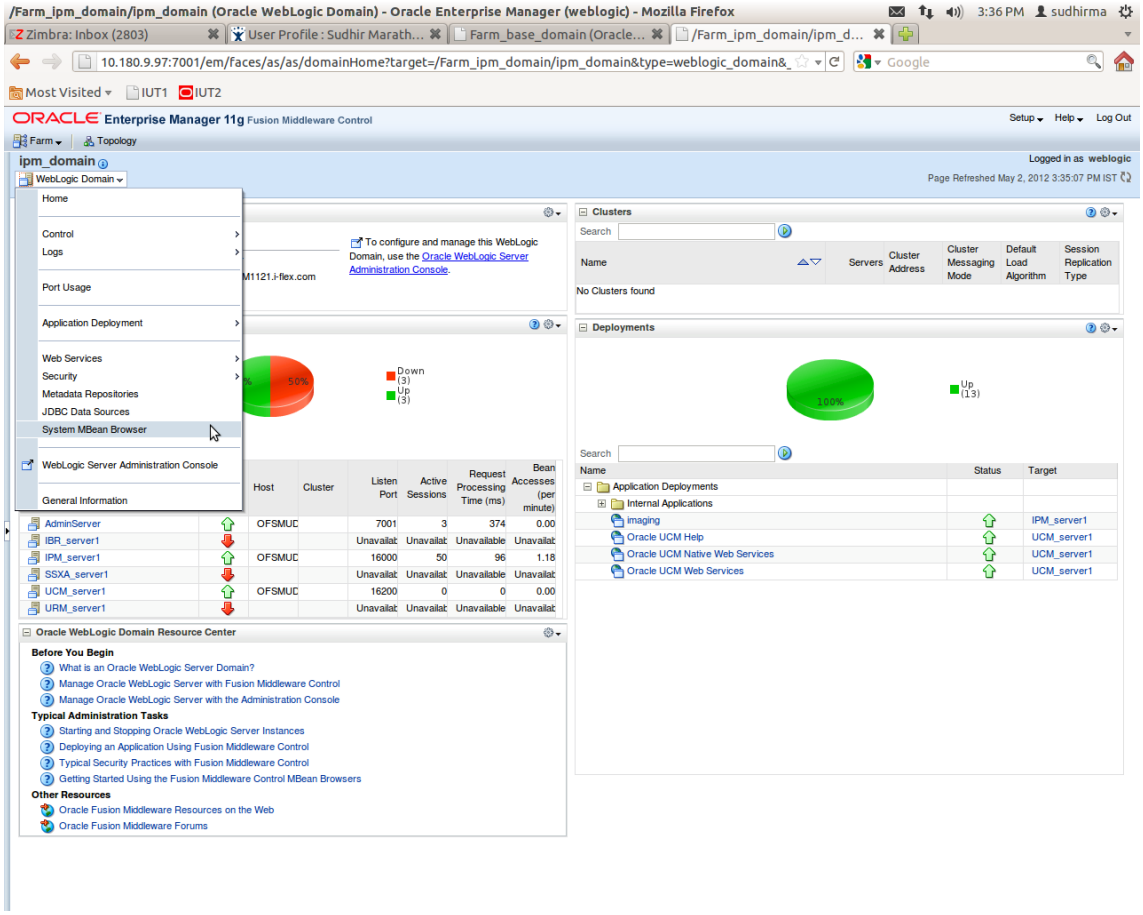


7.2.3 Setting up Input Agent Path

To set up input agent path:

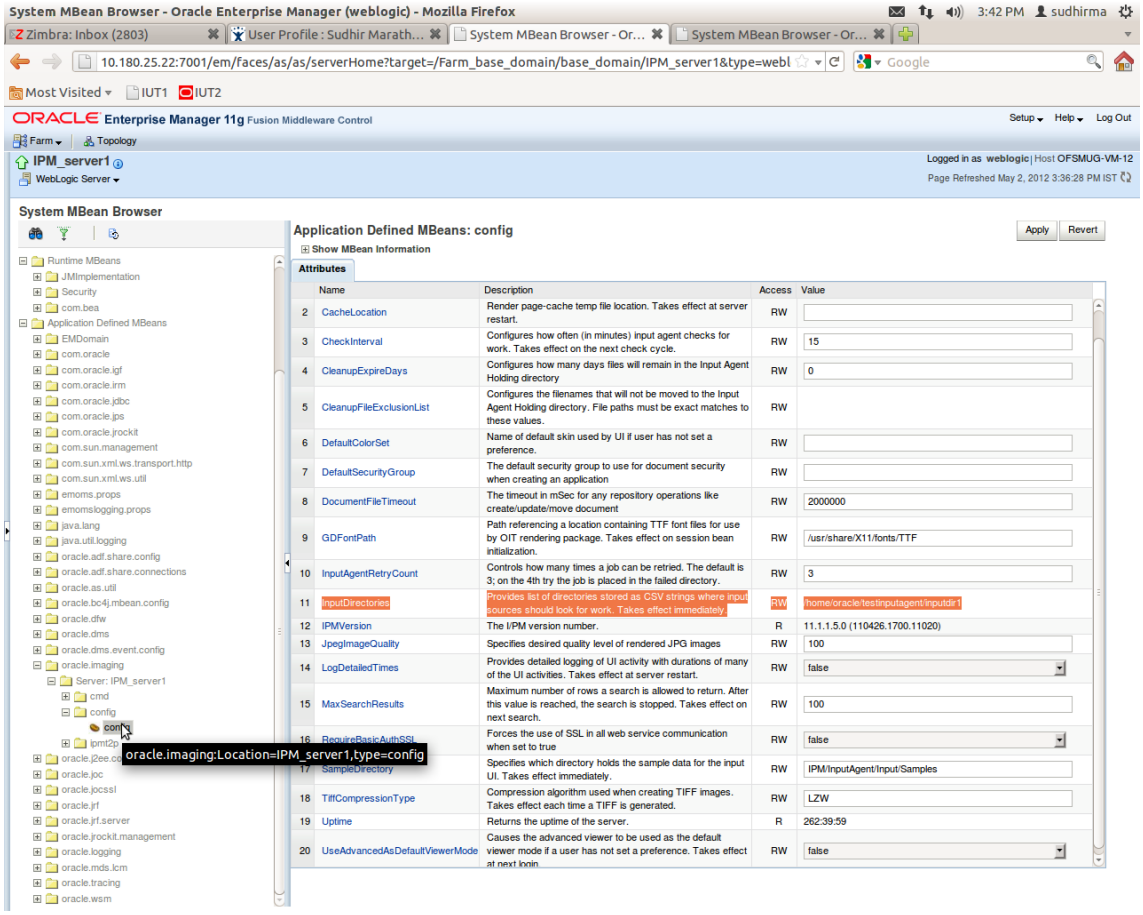
1. Log in to Enterprise Manager (EM) console.
2. In the Name section, under Weblogic domain, click **ipm domain.**
3. In the top menu, click Weblogic Domain. The corresponding menu appears.
4. Navigate to the domain System MBean Browser. The System MBean Browser page appears.

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



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.

Figure 7–42 InputDirectories: Enter Input Agent Path



	Name	Description	Access	Value
2	CacheLocation	Render page-cache temp file location. Takes effect at server restart.	RW	
3	CheckInterval	Configures how often (in minutes) input agent checks for work. Takes effect on the next check cycle.	RW	15
4	CleanupExpireDays	Configures how many days files will remain in the Input Agent Holding directory	RW	0
5	CleanupFileExclusionList	Configures the filenames that will not be moved to the Input Agent Holding directory. File paths must be exact matches to these values.	RW	
6	DefaultColorSet	Name of default skin used by UI if user has not set a preference.	RW	
7	DefaultSecurityGroup	The default security group to use for document security when creating an application	RW	
8	DocumentFileTimeout	The timeout in mSec for any repository operations like create/update/move document	RW	2000000
9	GDFontPath	Path referencing a location containing TTF font files for use by OIT rendering package. Takes effect on session bean initialization.	RW	/usr/share/X11/fonts/TTF
10	InputAgentRetryCount	Controls how many times a job can be retried. The default is 3; on the 4th try the job is placed in the failed directory.	RW	3
11	InputDirectories	Provides list of directories stored as CSV strings where input sources should look for work. Takes effect immediately.	RW	/home/oracle/testinputagent/inputdir1
12	IPMVersion	The I/PM version number.	R	11.1.1.5.0 (110426.1700.11020)
13	JpegImageQuality	Specifies desired quality level of rendered JPG images	RW	100
14	LogDetailedTimes	Provides detailed logging of UI activity with durations of many of the UI activities. Takes effect at server restart.	RW	false
15	MaxSearchResults	Maximum number of rows a search is allowed to return. After this value is reached, the search is stopped. Takes effect on next search.	RW	100
16	RequireBasicAuthSSL	Forces the use of SSL in all web service communication when set to true	RW	false
17	SampleDirectory	Specifies which directory holds the sample data for the input UI. Takes effect immediately.	RW	IPM/InputAgent/Input/Samples
18	TiffCompressionType	Compression algorithm used when creating TIFF images. Takes effect each time a TIFF is generated.	RW	LZW
19	Uptime	Returns the uptime of the server.	R	262:39:59
20	UseAdvancedAsDefaultViewerMode	Causes the advanced viewer to be used as the default viewer mode if a user has not set a preference. Takes effect at next login.	RW	false

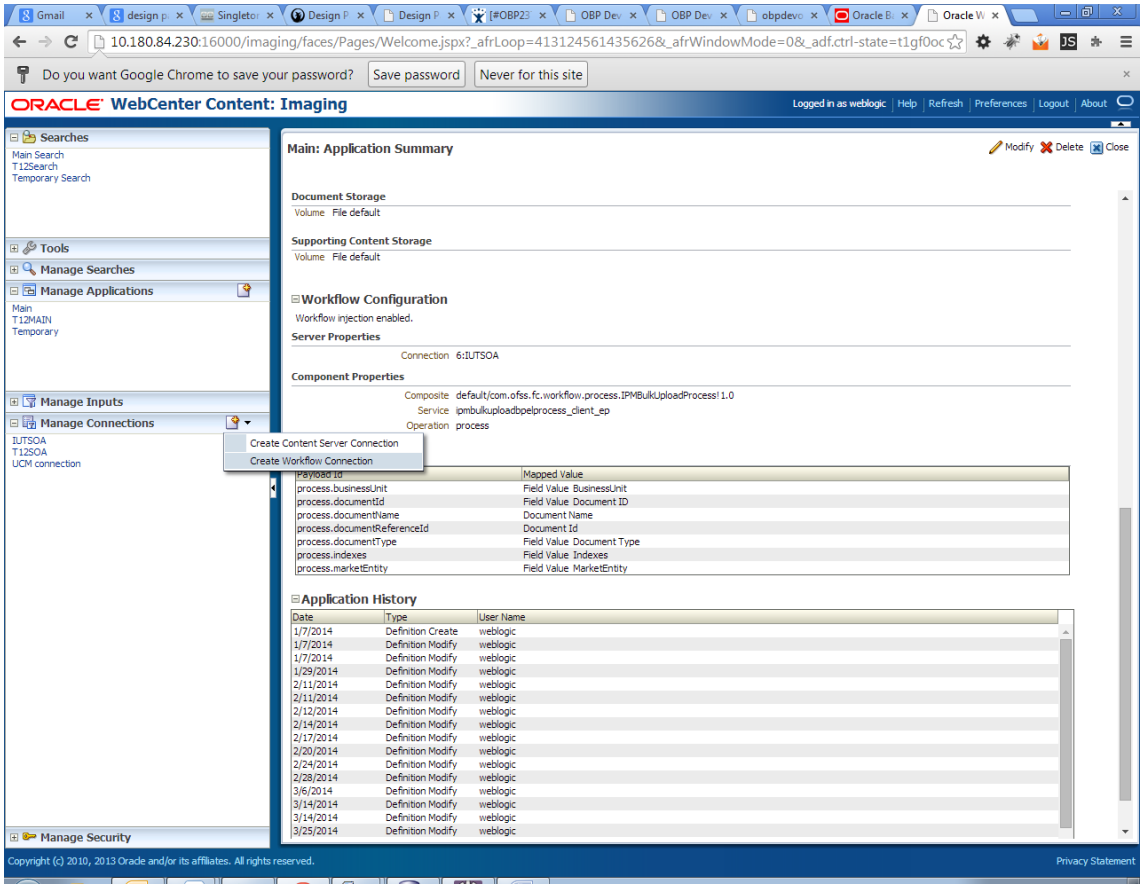
7. Restart IPM server.

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.

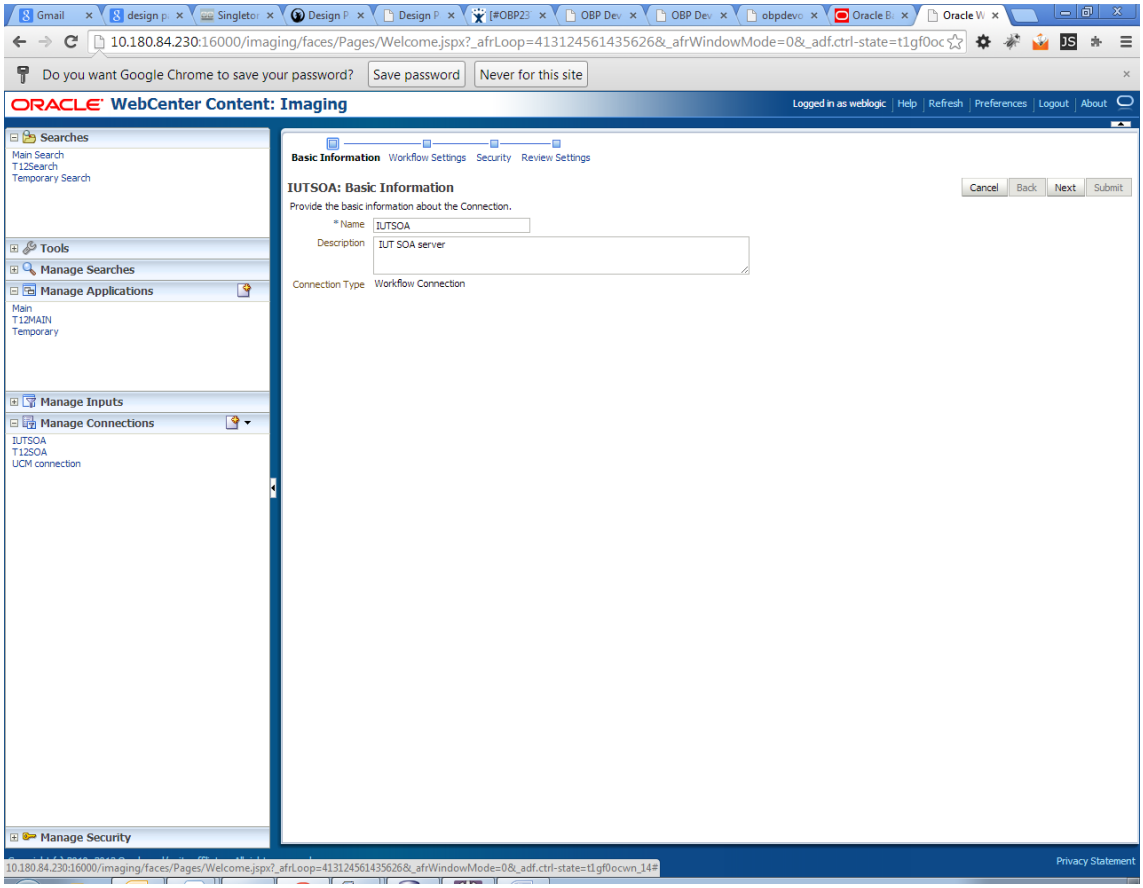
   `OBP_IPM_SOA_CONN_NAME`

   `SOA_MANAGED_SERVER_LISTEN_ADDRESS`

   `SOA_MANAGED_SERVER_LISTEN_PORT`

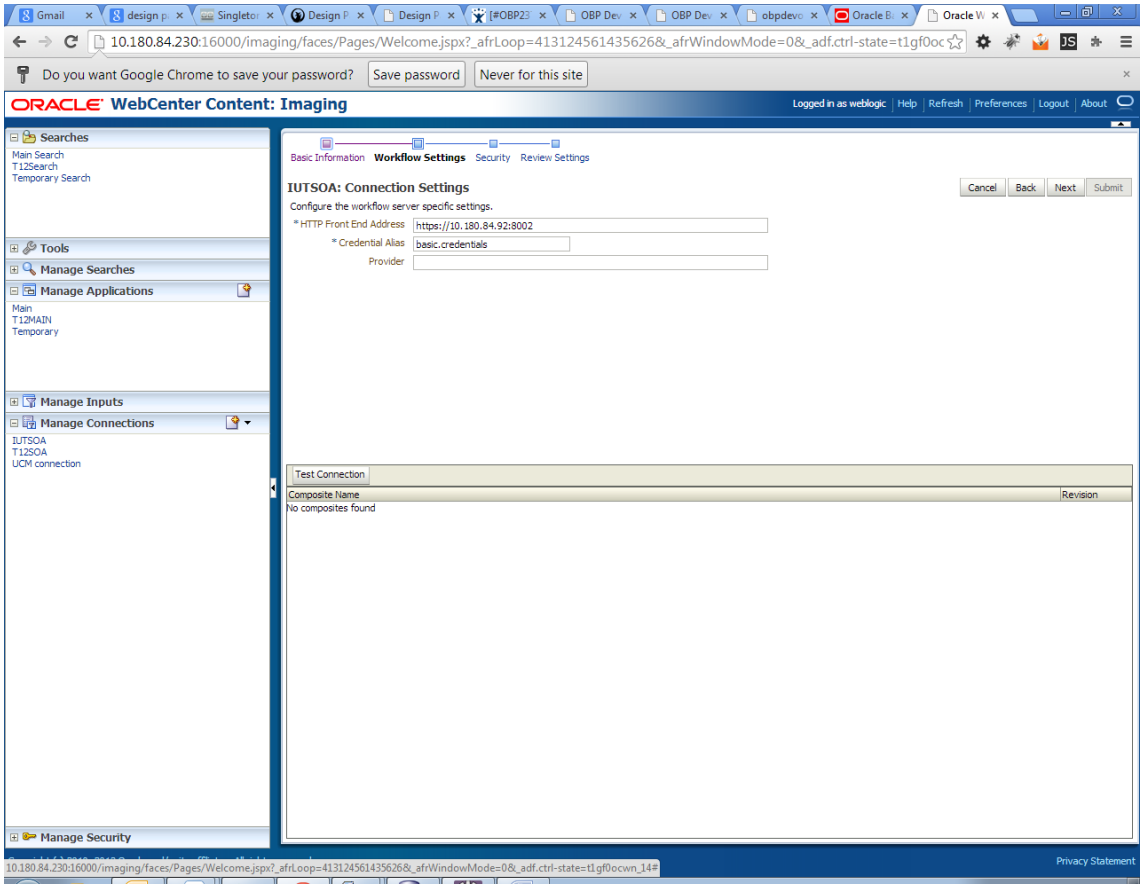
4. In the **Name** field, enter the name for SOA Connection as IUTSOA.

Figure 7–44 IUTSOA: Basic Information



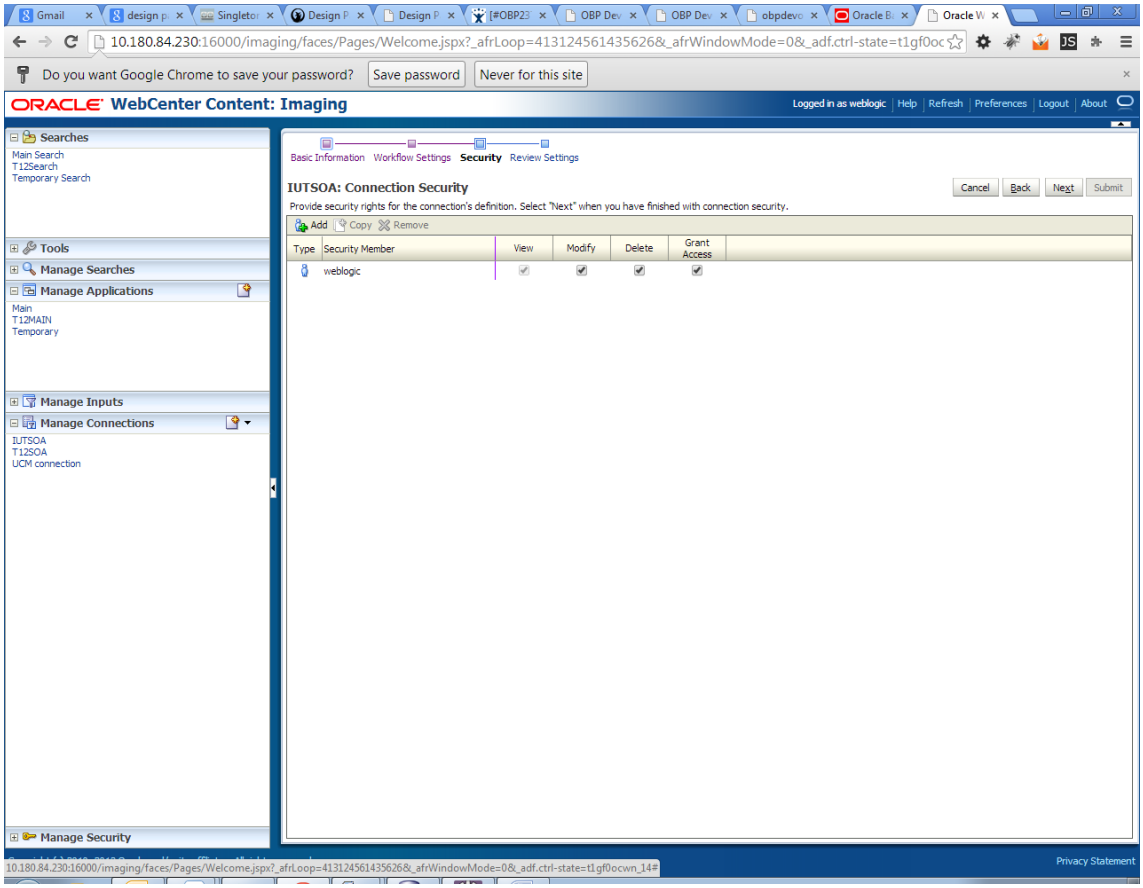
5. In the **HTTP Front End Address** field, enter the value for SOA server.

Figure 7–45 IUTSOA: Workflow Settings



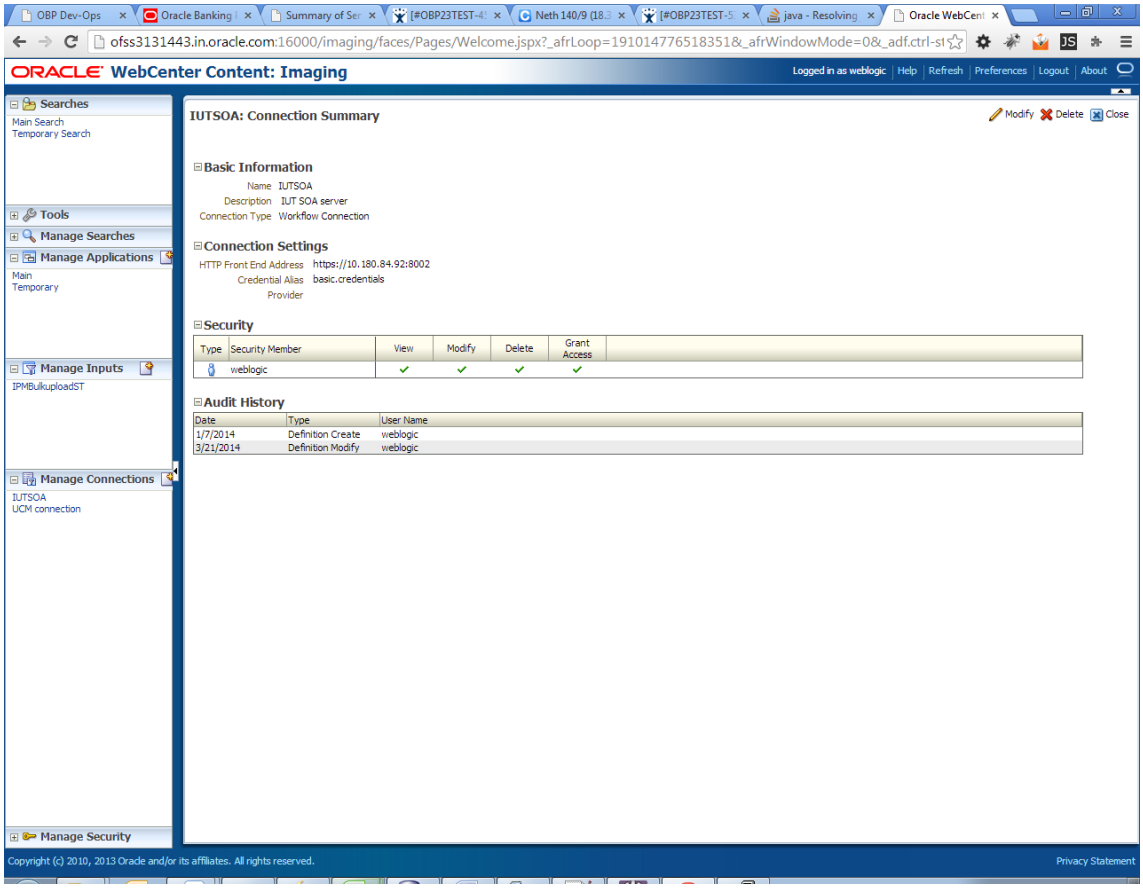
6. In the **Credential Alias** field, enter the value as **basic.credentials**.
7. Click **Next** to proceed. The Connection Security page appears.

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

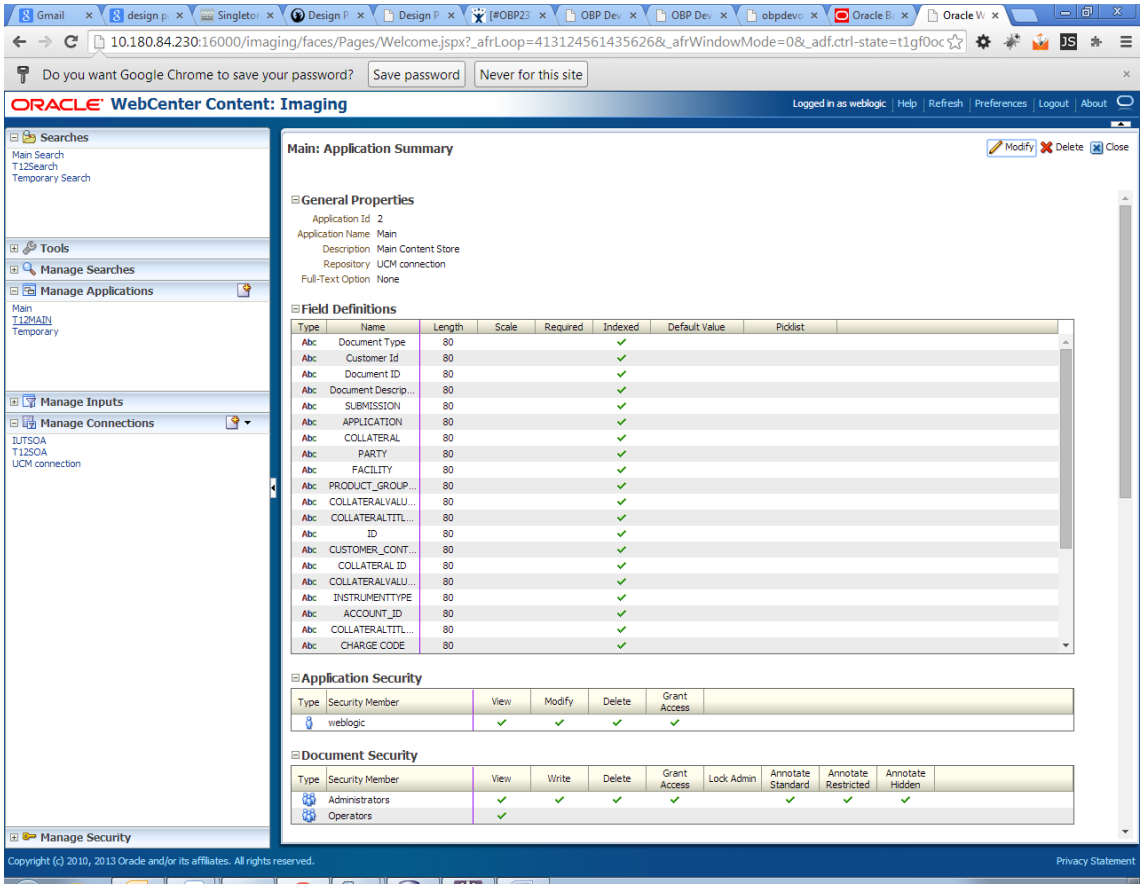


7.2.5 Manage Workflow Configuration

To manage workflow configuration:

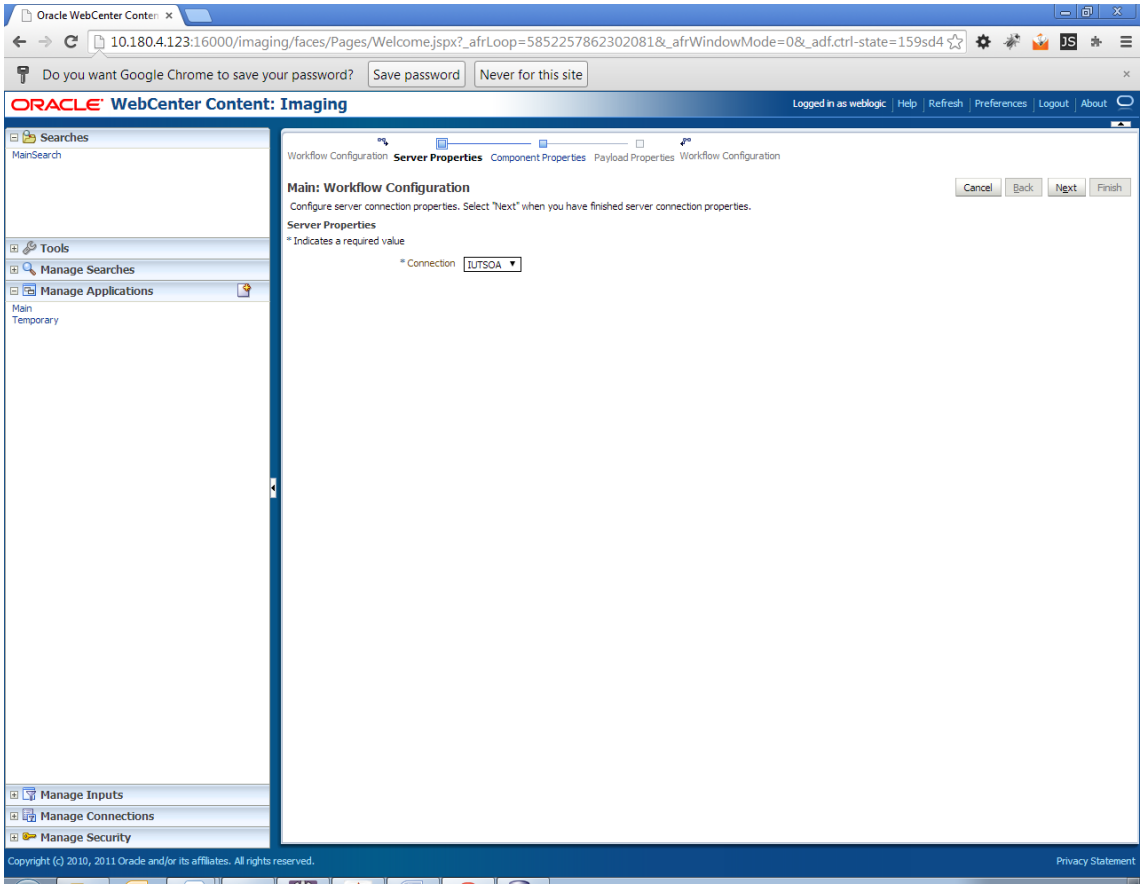
1. Log in to Image Processing Management (IPM).
2. Navigate to **Manage Applications** section.

Figure 7–48 Main: Application Summary



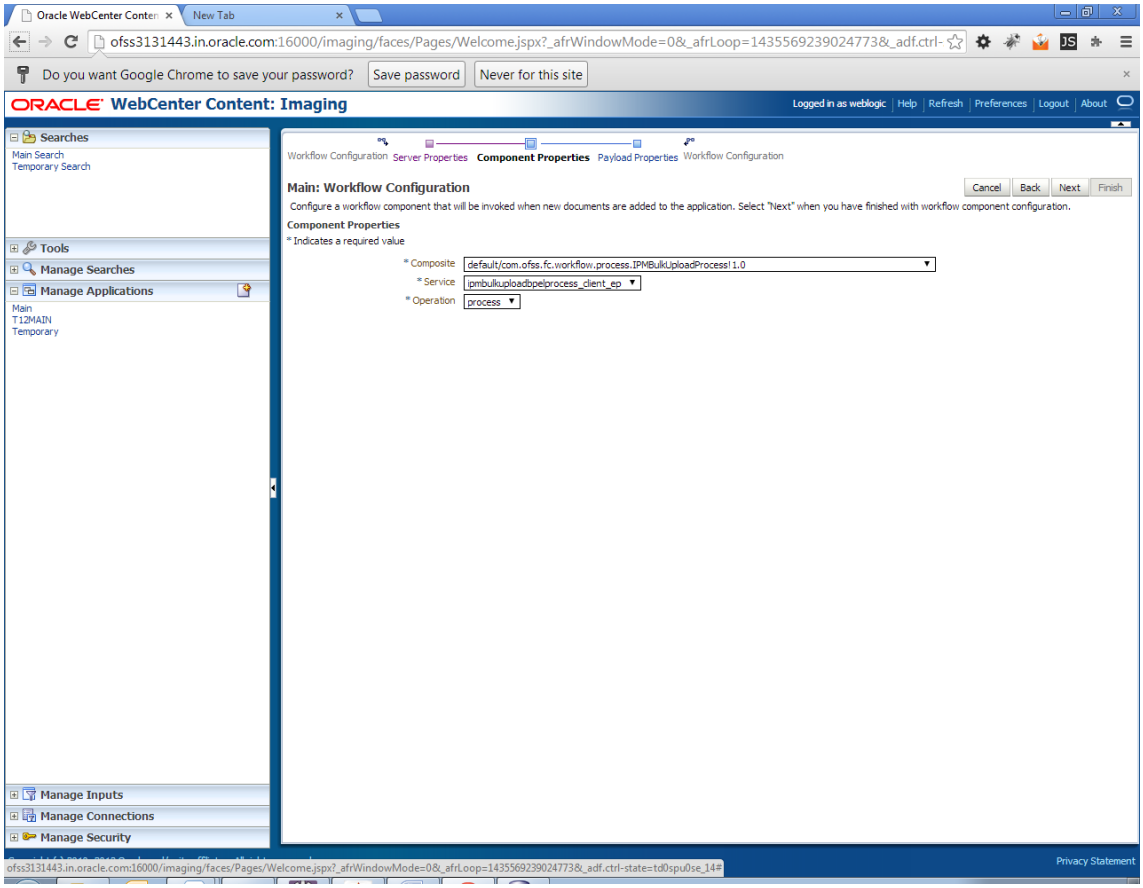
3. Select the application for which workflow configuration has to be done as shown in Figure 7–48.
4. Click **Modify.**
5. Navigate to the Workflow Configuration section.
6. Click the **Add/Modify** button.
7. In the Server Properties section, select the connection (IUTSOA) which was created in **Manage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

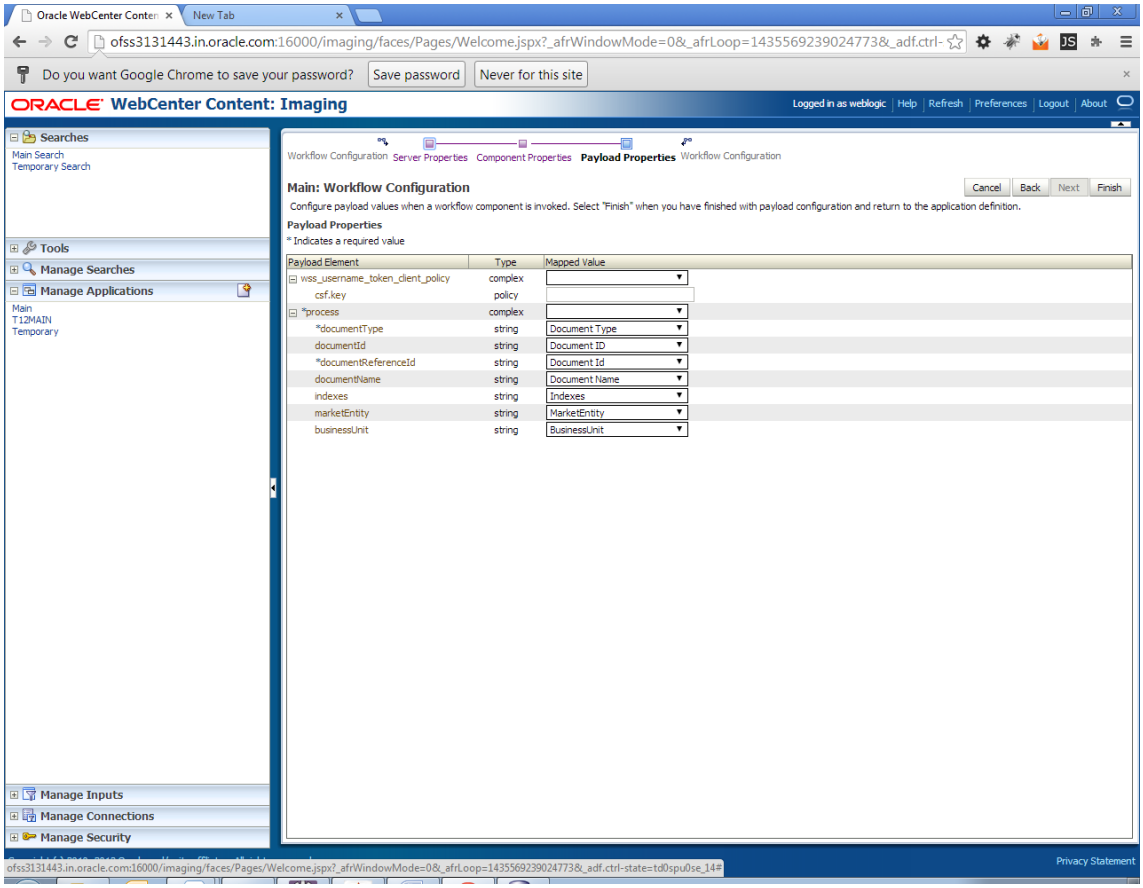
Figure 7–50 Manage Applications - Component Properties



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.

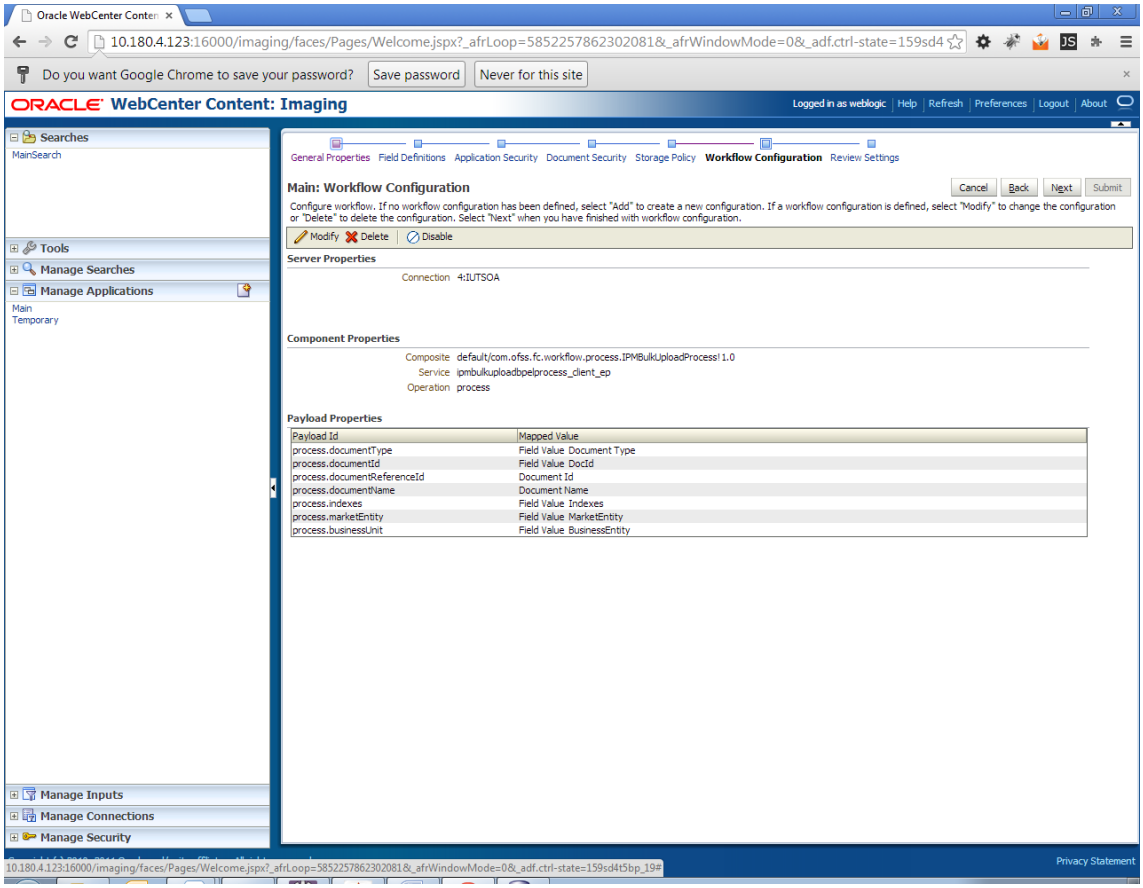
> **Note**
>
> The document ReferenceId is mapped to Document Id (IPM internal field), whereas documentId is mapped to doc Id which is application field.

Figure 7–51 Manage Applications - Payload Properties



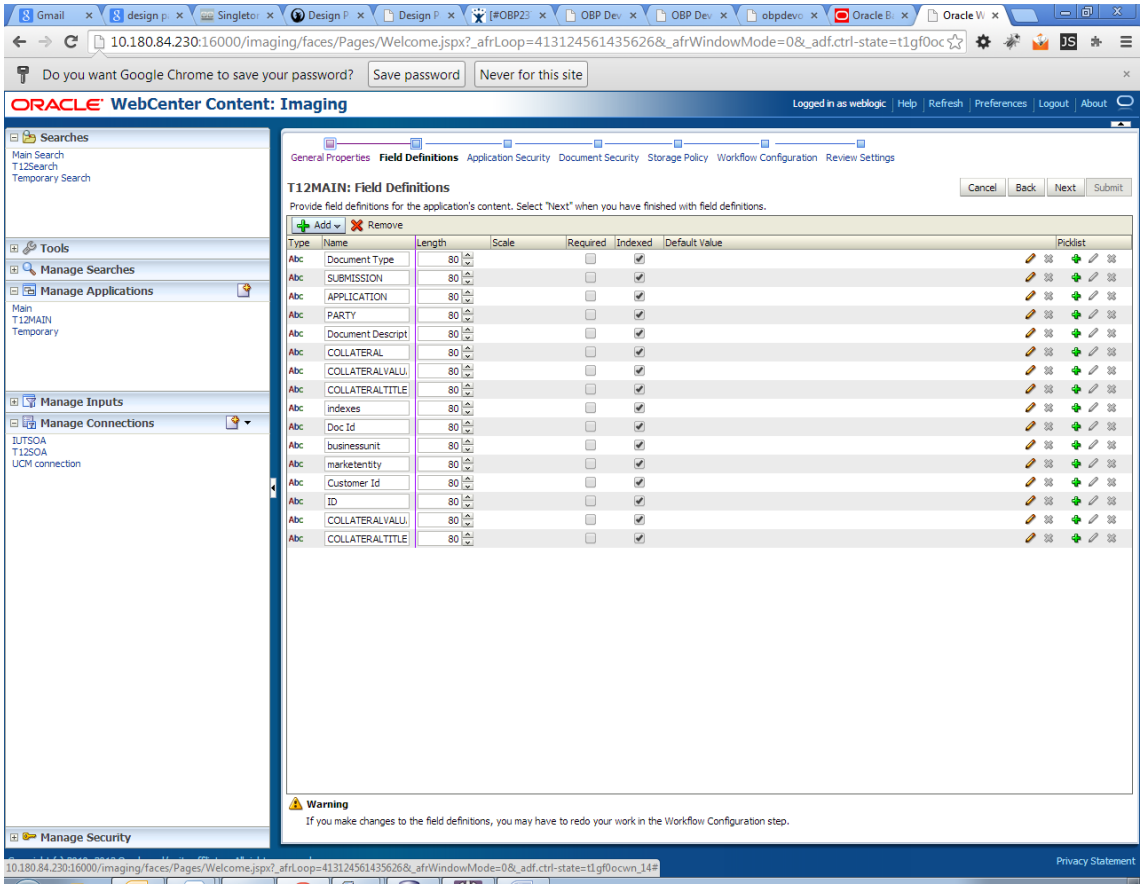
16. Click **Next.**
17. Complete the Workflow Configuration. Click **Next.**

Figure 7–52 Manage Applications - Workflow Configuration



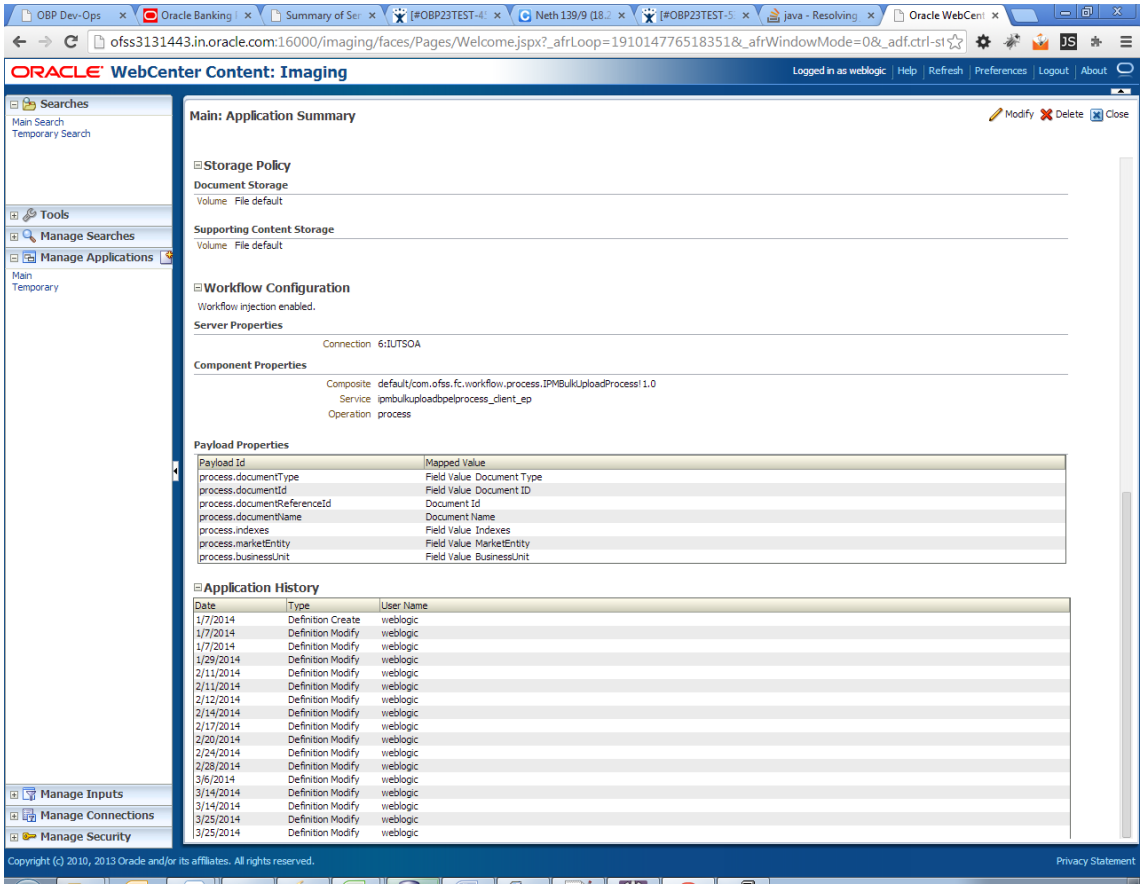
18. Add all those fields which are not present in the application as shown below.

Figure 7–53 Field Definitions



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

Figure 7–54 Main: Application Summary

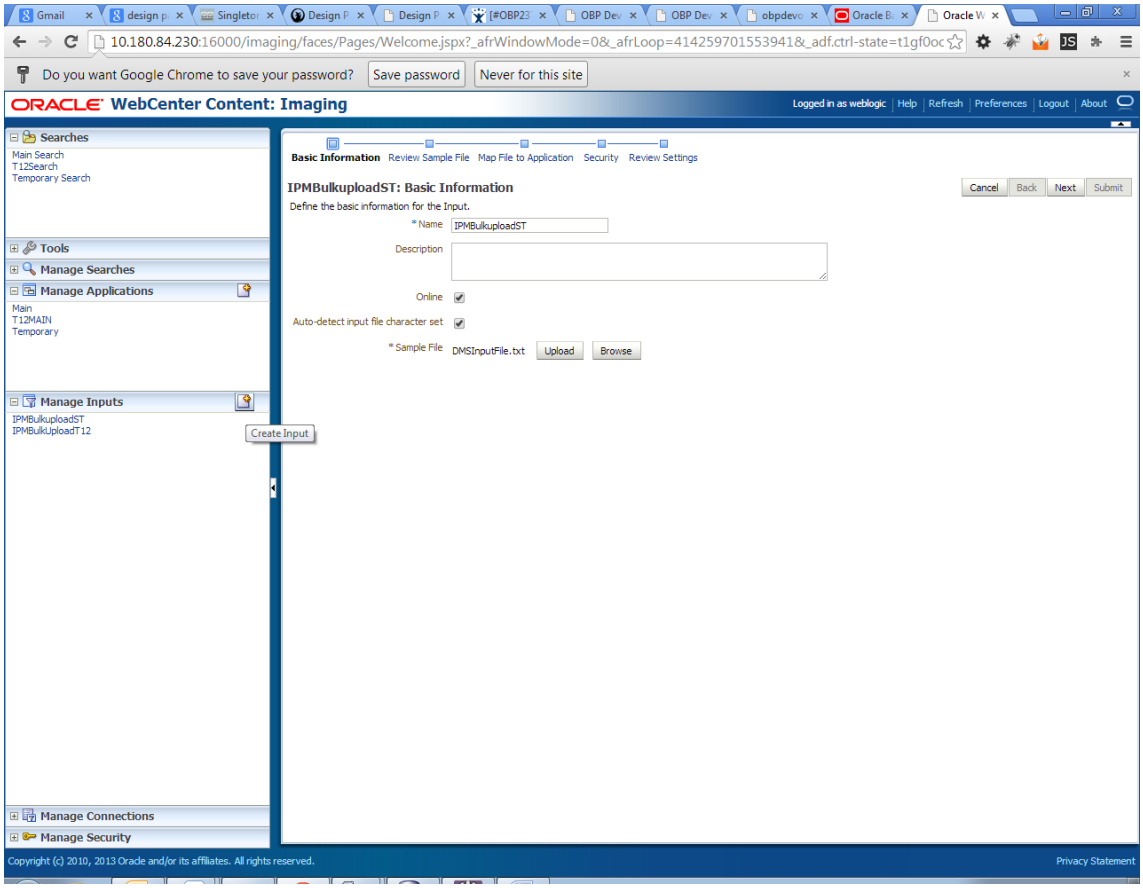


7.2.6 Manage Inputs for Input Agents

To manage workflow configuration:

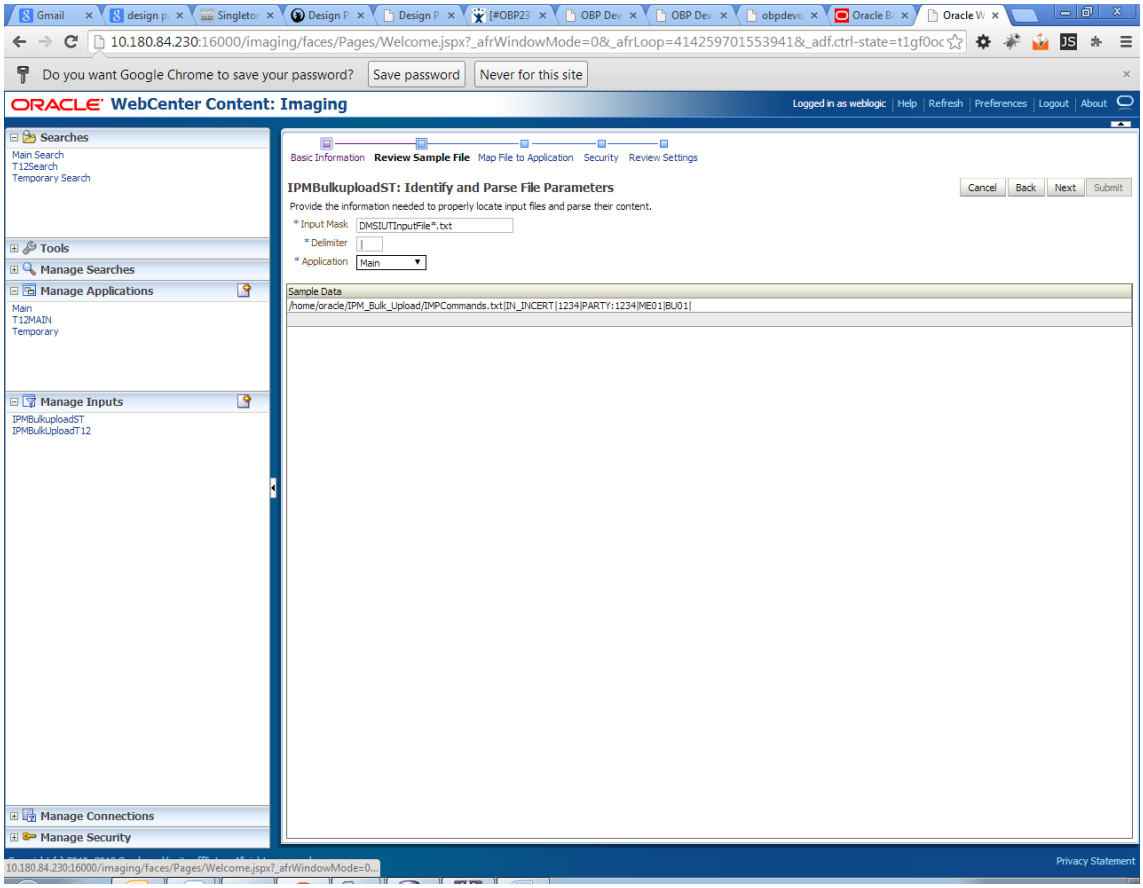
1. Log in to Image Processing Management (IPM).
2. Navigate to **Manage Inputs** section.

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';`

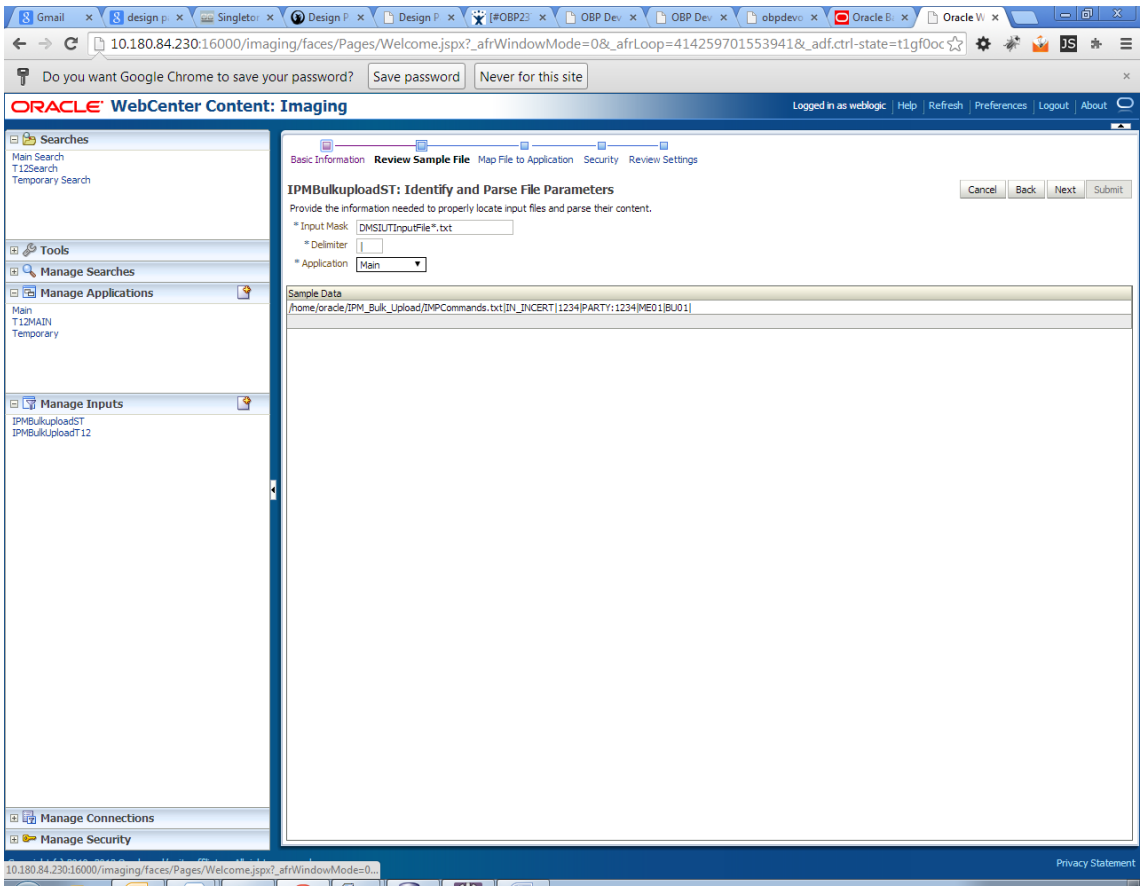
   Note

   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 **Delimeter** field, enter the delimiter value as | (vertical bar character).

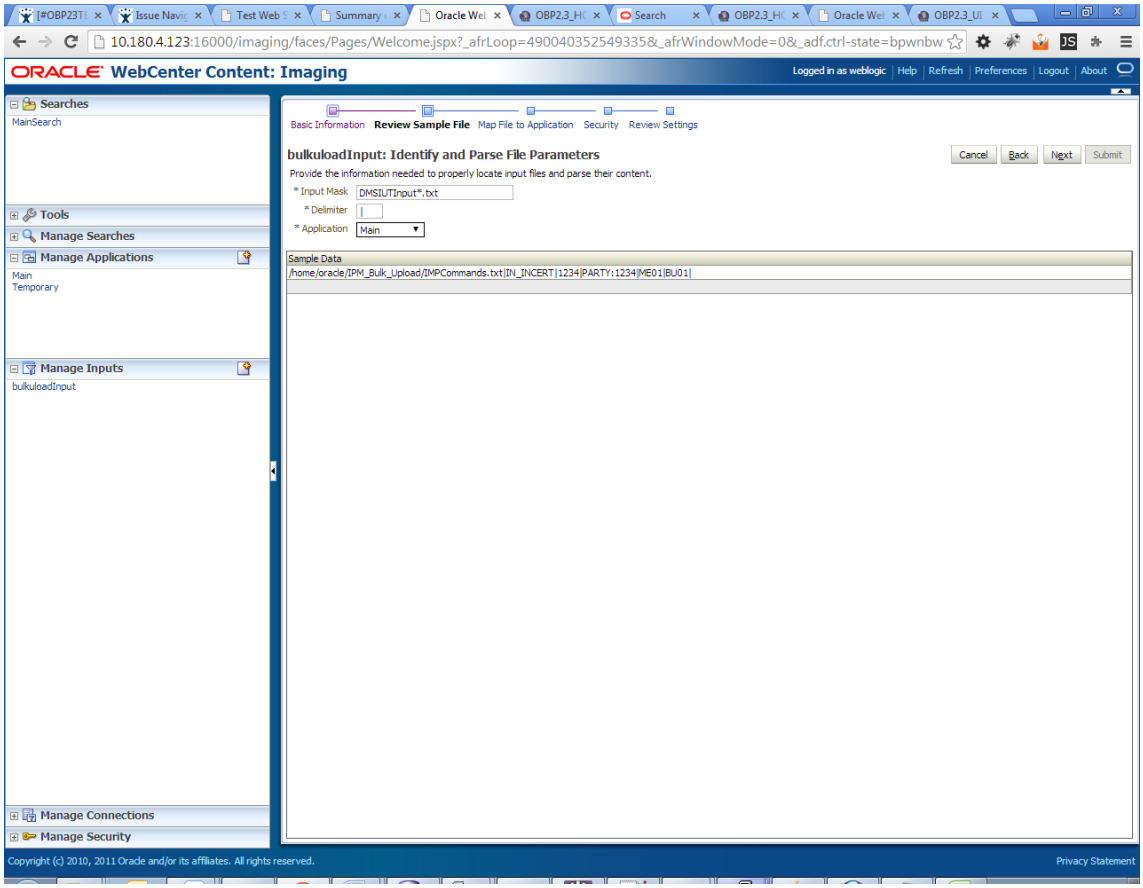
8. From the **Application** field, select the application to which the input agent will be applied.

Figure 7–57 Input Agent: File Parameters



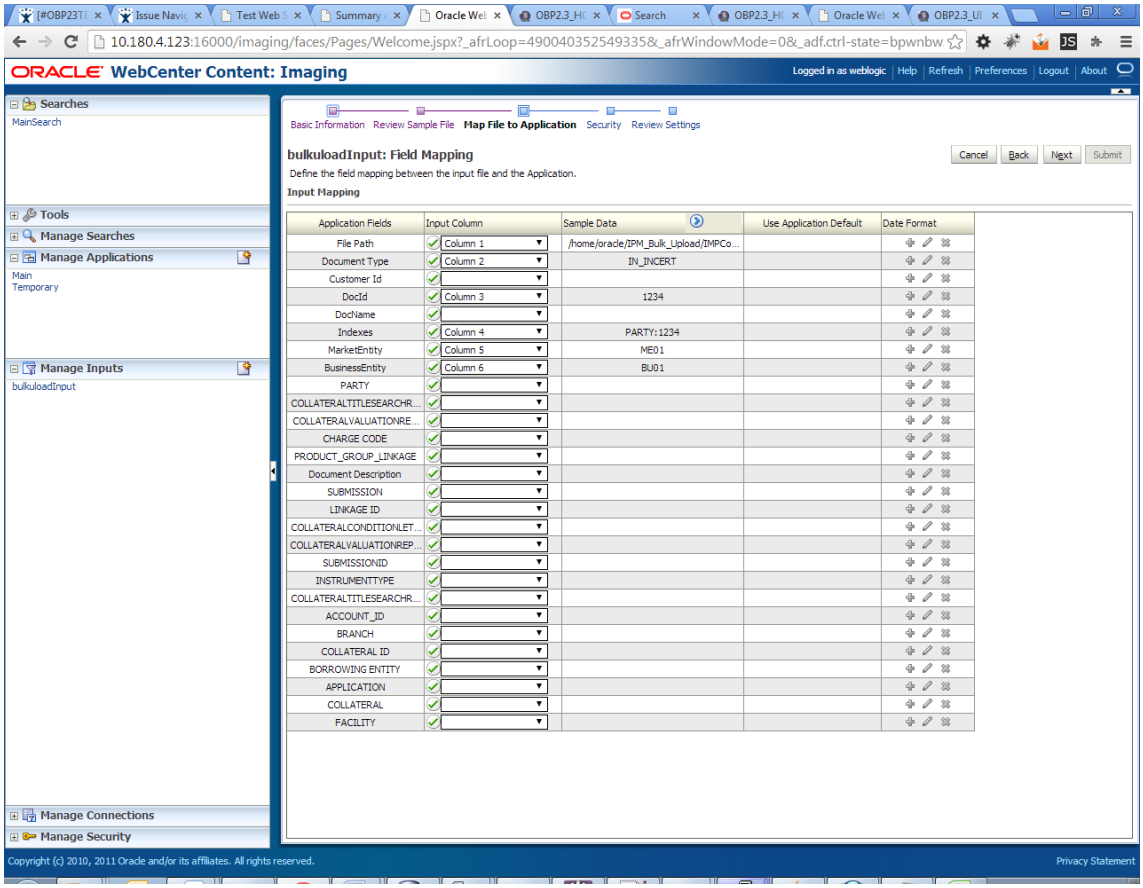
9. In the Field Mapping section, map the **Application Fields.**

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



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:

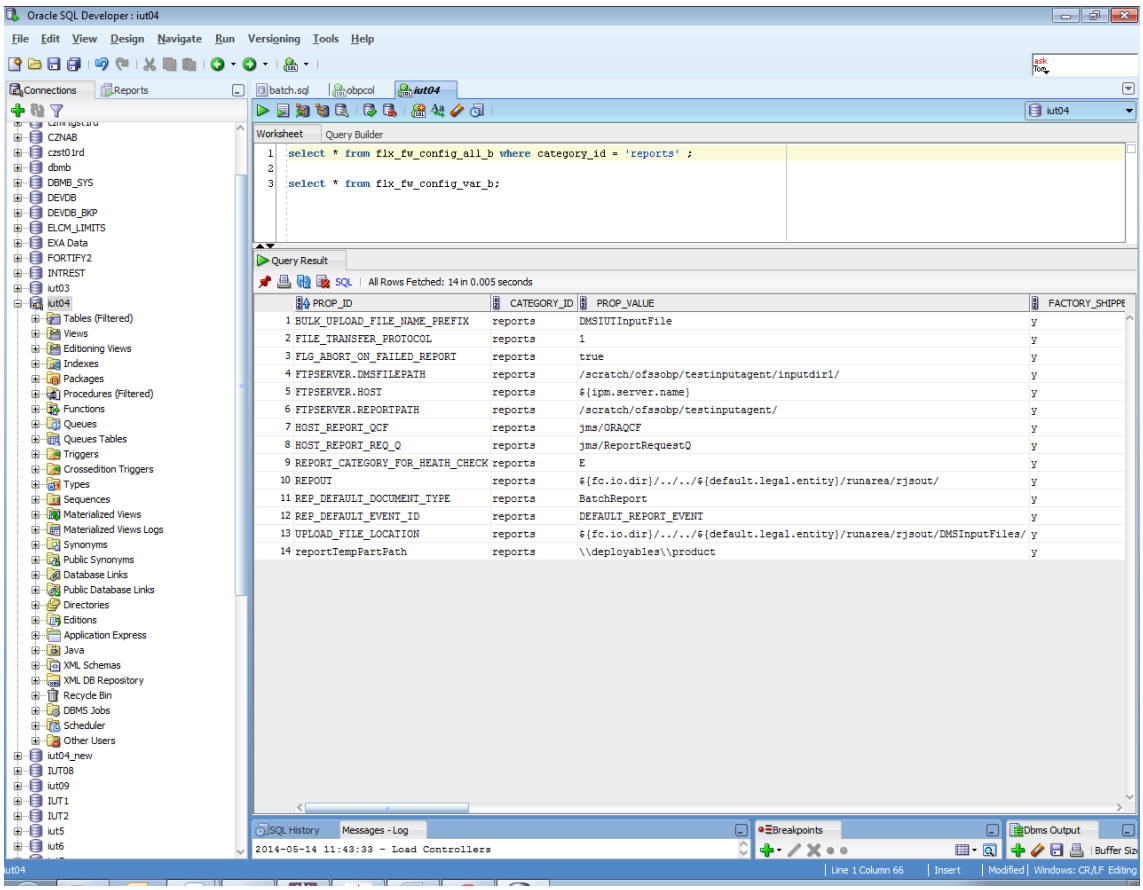
```
update flx_fw_config_all_b set prop_value='48' where prop_
value='335' and category_id like 'contentmanager%';
update flx_fw_config_all_b set prop_value='ofssuser' where
prop_id='userId' and category_id like 'contentmanager%';
```

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
FTPSERVER.DMSFILEPATH=/scratch/ofssobp/testinputagent/inputdir1/	Path in IPM config
FTPSERVER.REPORTPATH=/scratch/reports/	Path where files will be FTP
FTPSERVER.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



3. 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:

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.

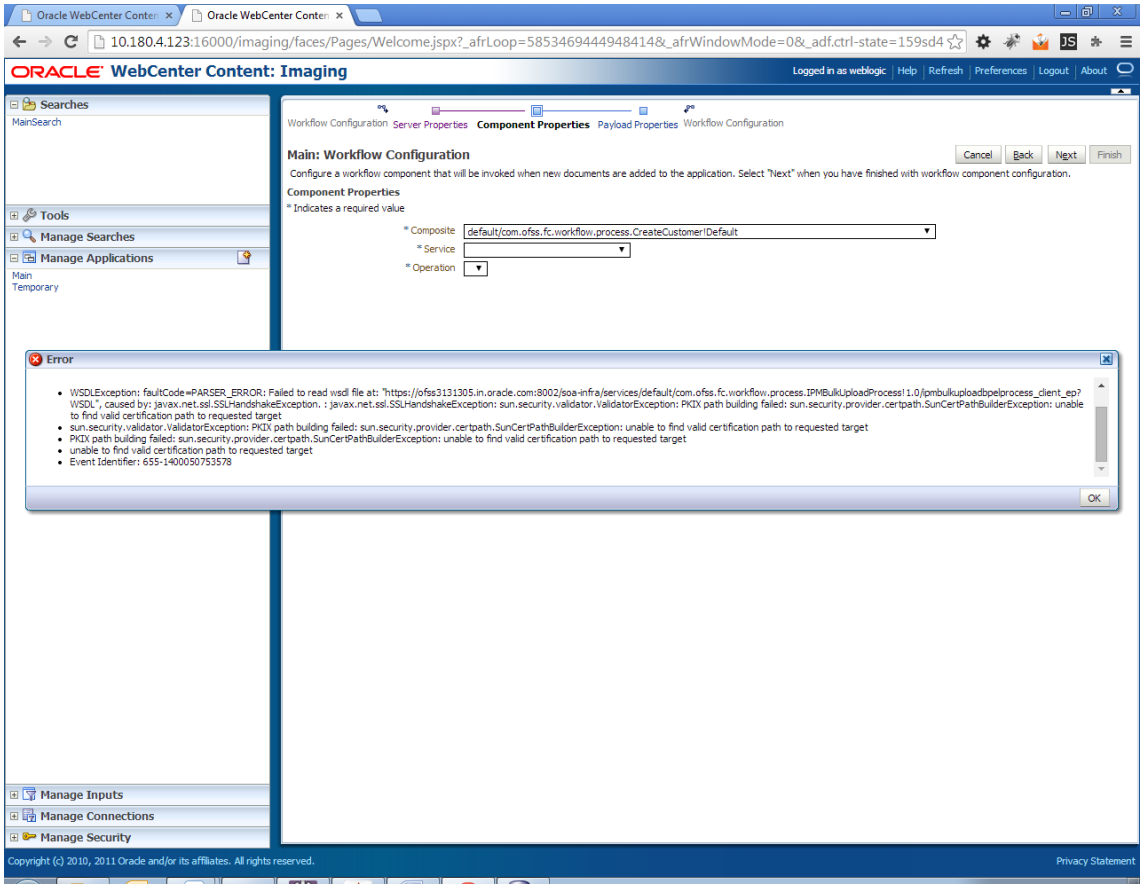
   Copy certificate at following path on IPM server.

   keytool -import -noprompt -trustcacerts -alias UI_SSL_trustself -file SOACert.cer -keystore cacerts -storepass changeit
3. Security policy for IPMbulkuploadProcess can been 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.

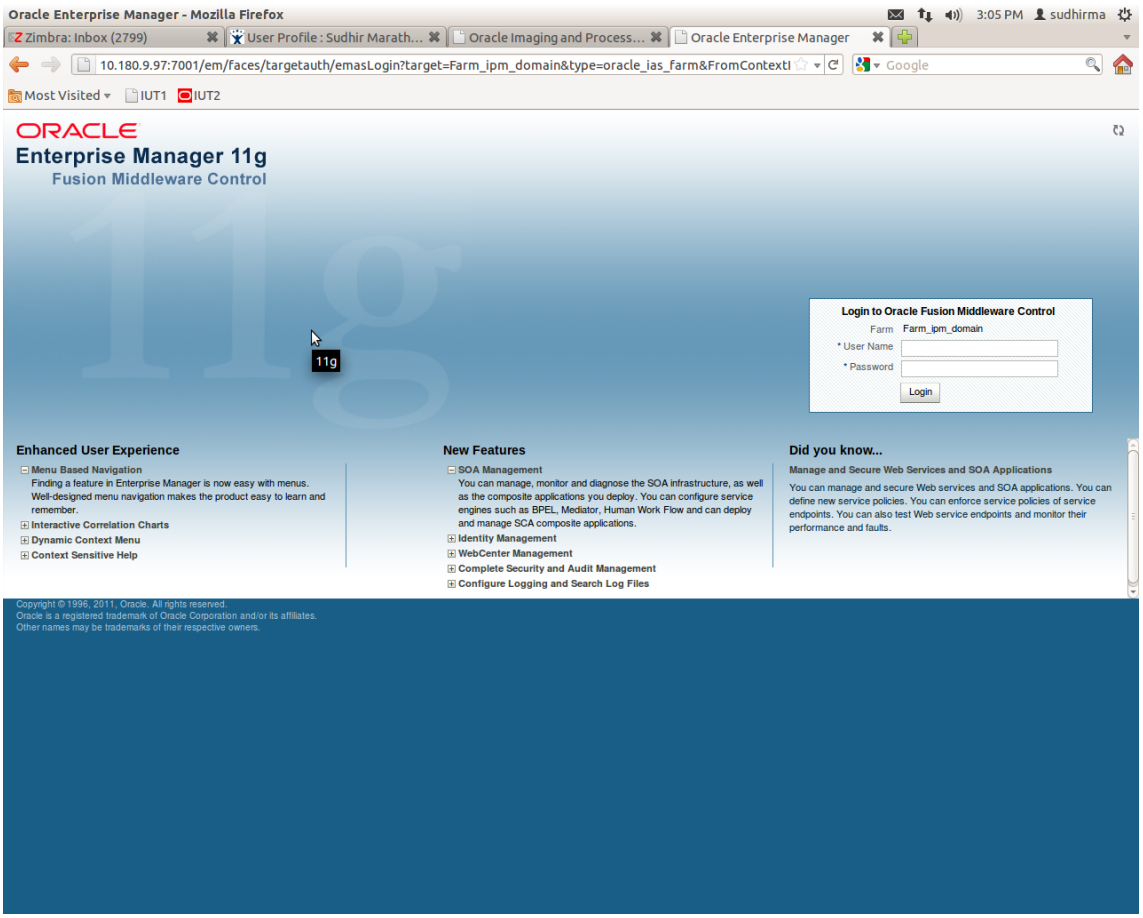
7.3.2 Setting up the Connection Name

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:

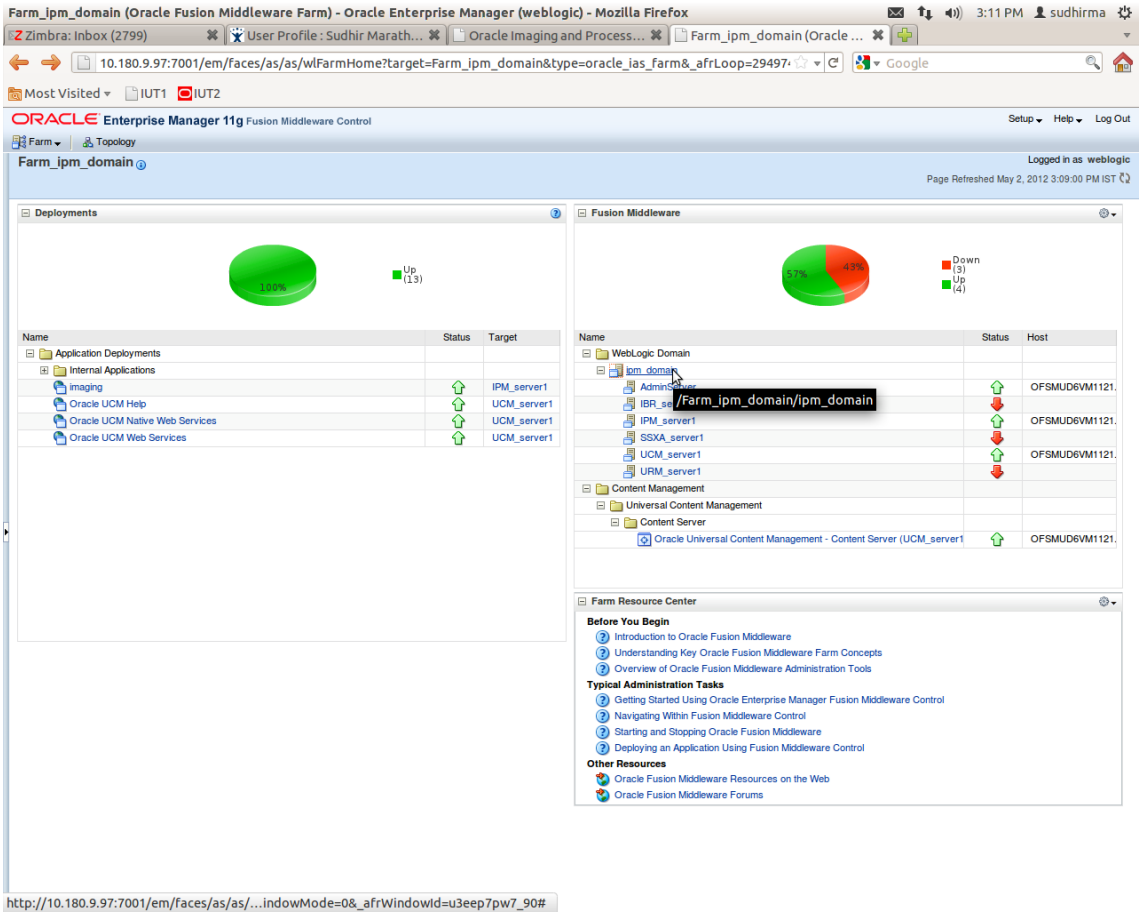
1. Log in to Enterprise Manager (EM) console.

Figure 7–62 Log in to Enterprise Manager (EM) console



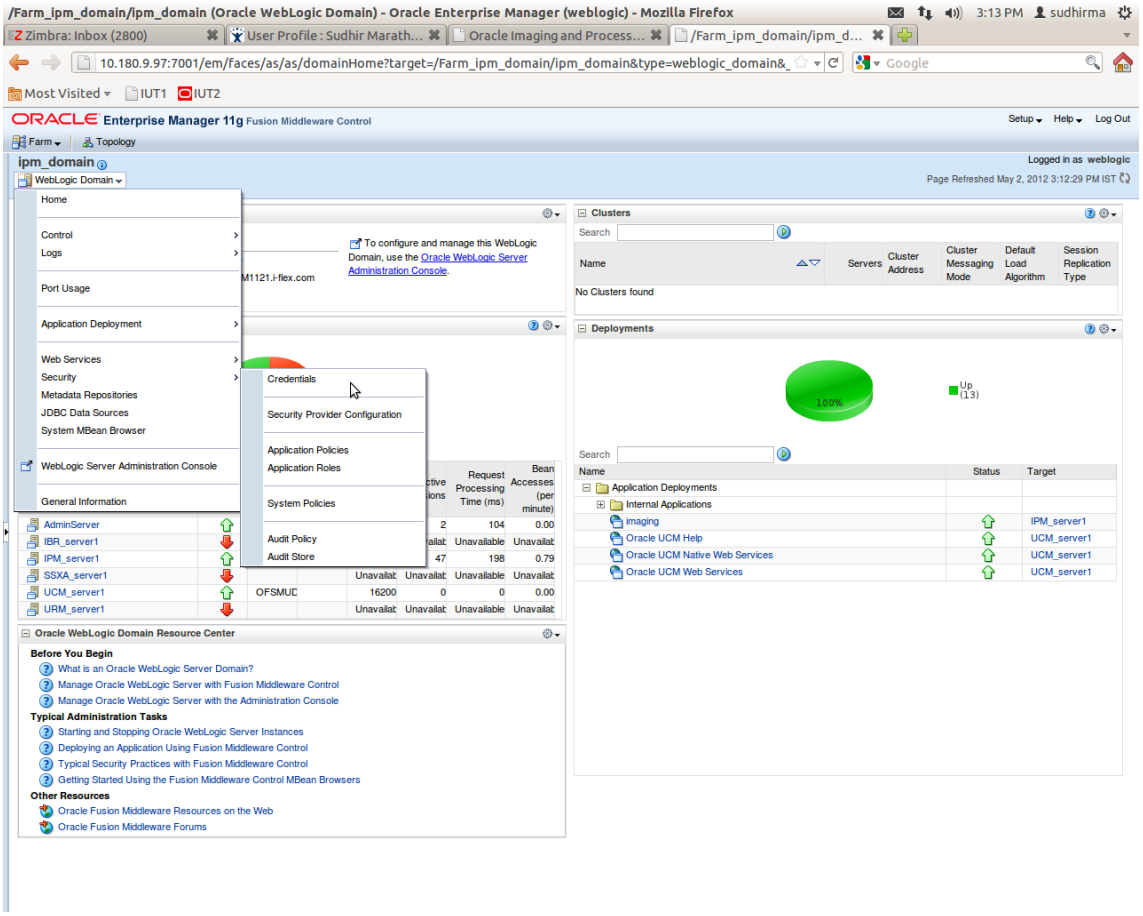
2. In the Fusion Middleware section, under Weblogic domain, click **ipm domain** (or base domain where ipm server is installed).

Figure 7–63 Click Weblogic Domain: ipm domain



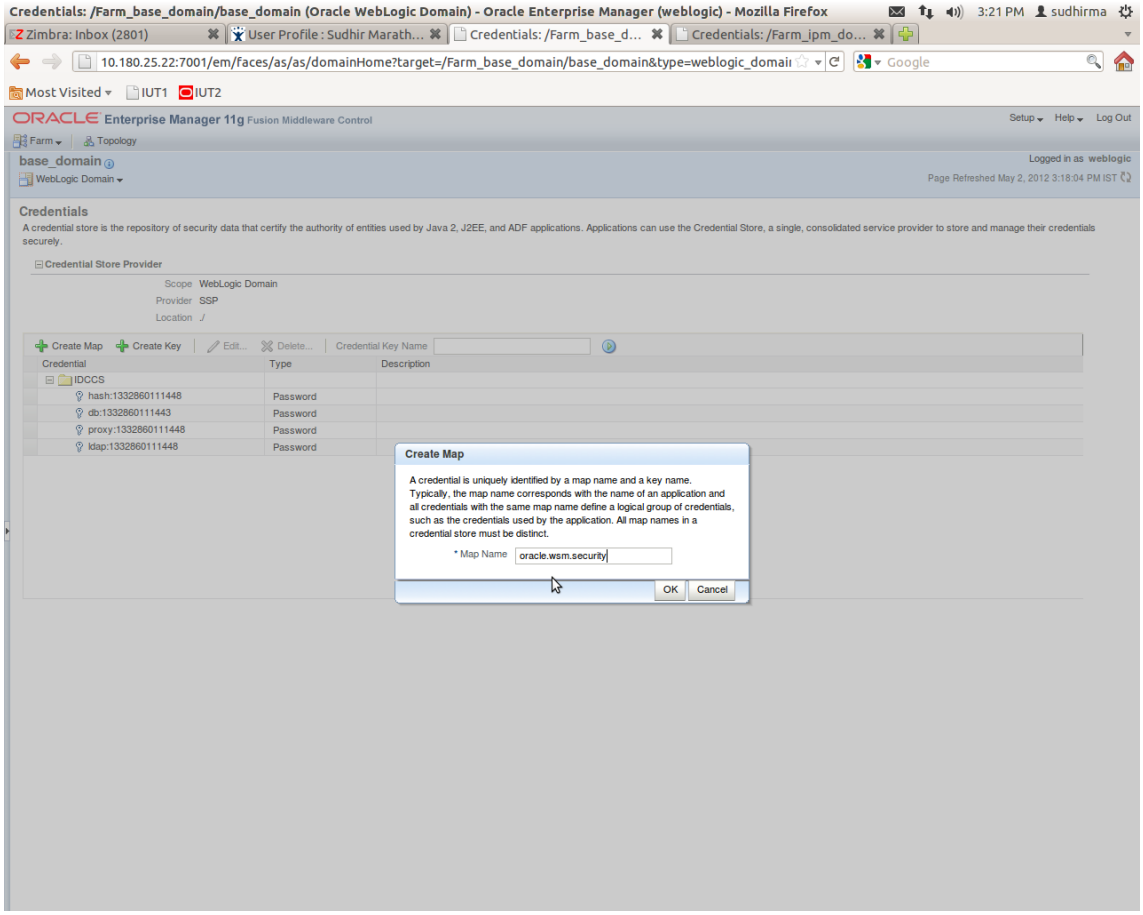
3. In the top menu, click **Weblogic Domain.** The corresponding menu appears.
4. Navigate to **Security > Credentials.** The Credentials page appears.

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



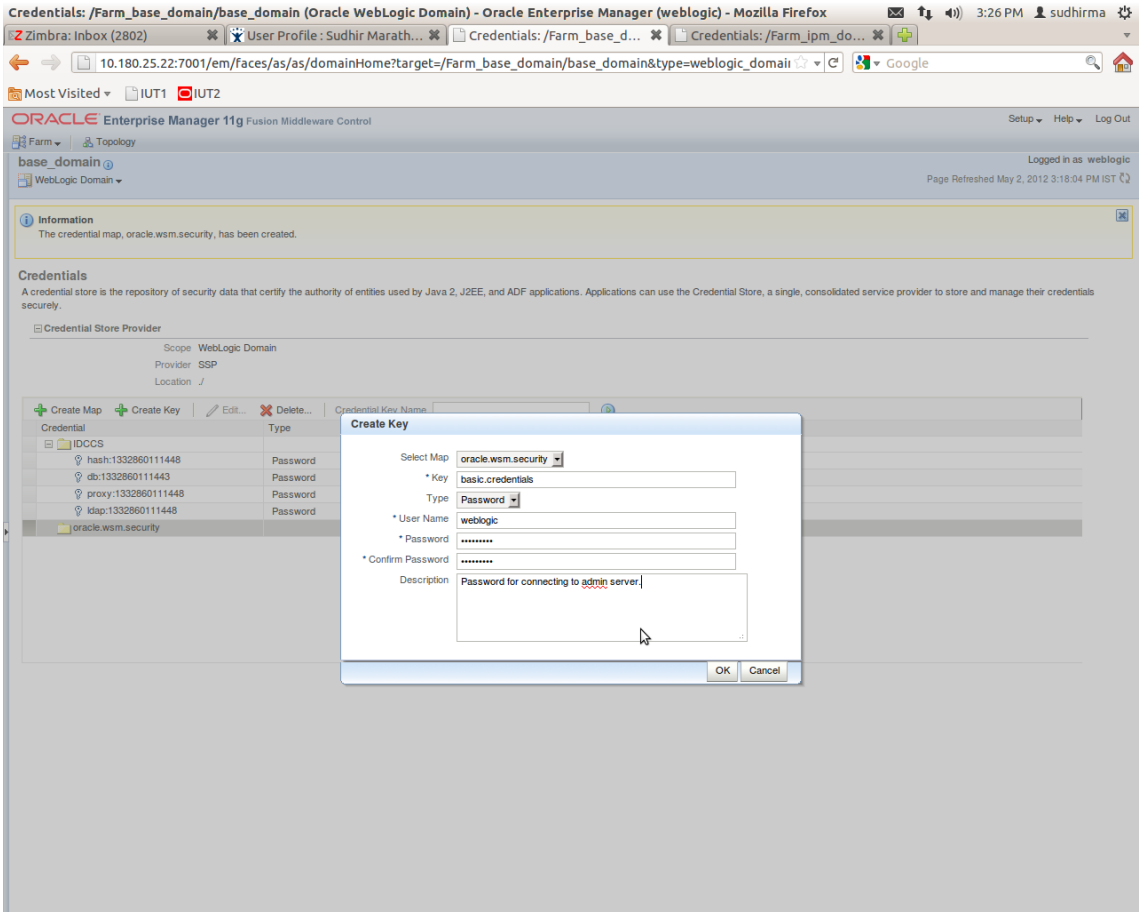
5. Click **Create Map** to create a map with the **Map Name** as **oracle.wsm.security.**

Figure 7–65 Create Map oracle.wsm.security



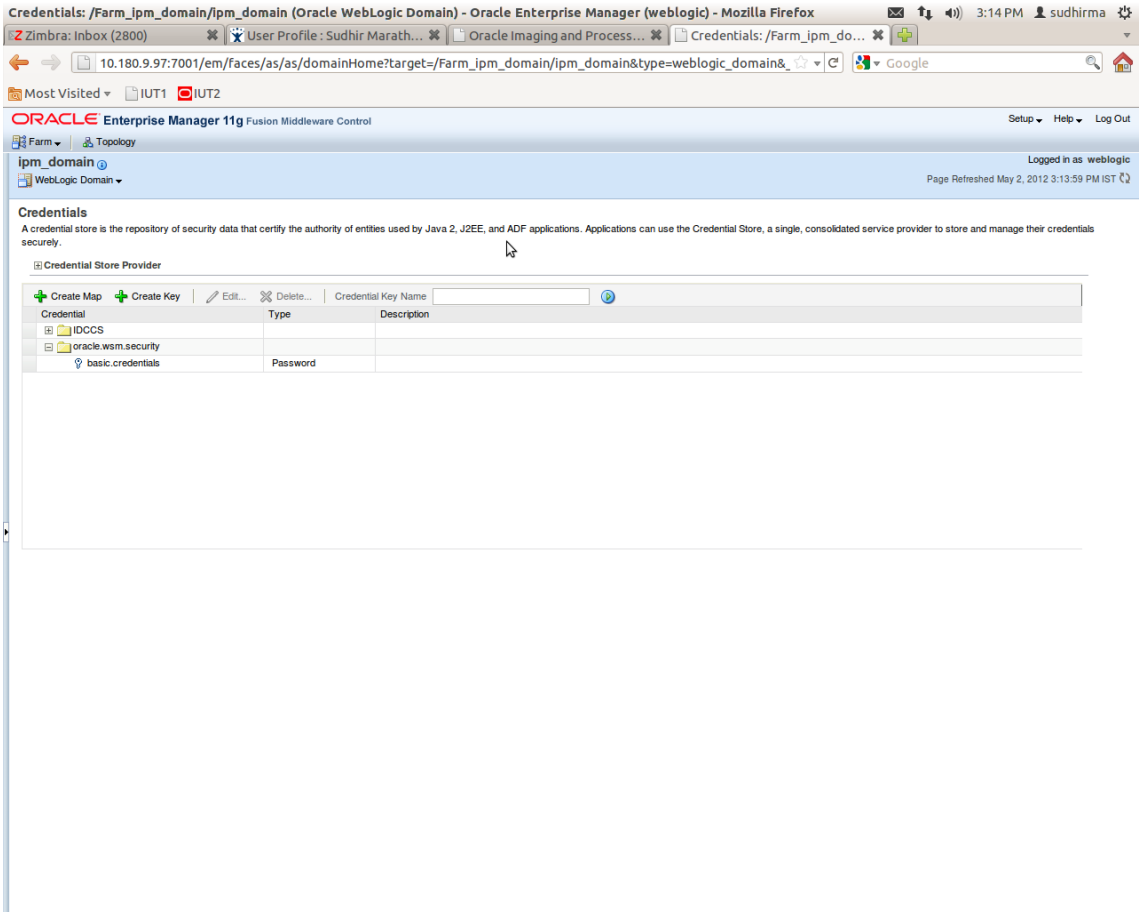
6. Click **Create Key** to create a key under the map **oracle.wsm.security.**

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

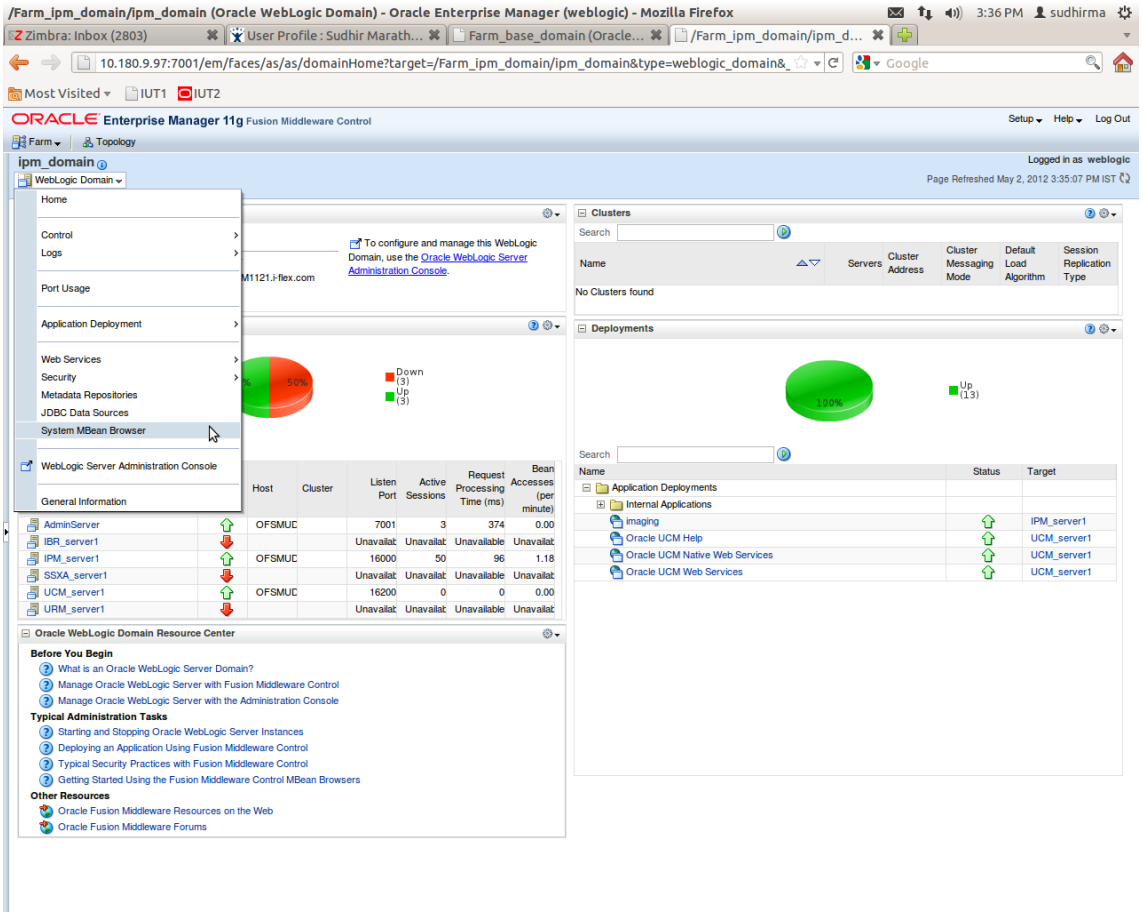


7.3.3 Setting up Input Agent Path

To set up input agent path:

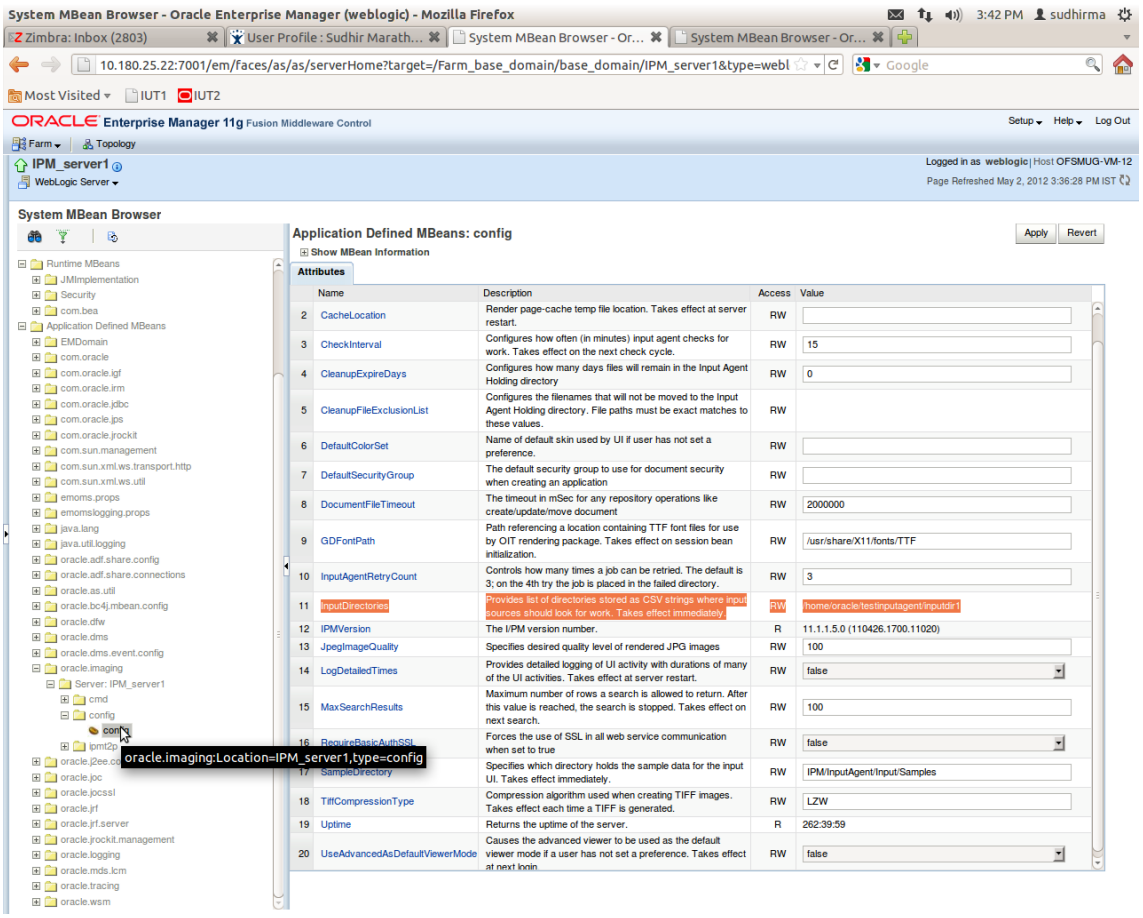
1. Log in to Enterprise Manager (EM) console.
2. In the Fusion Middleware section, under Weblogic domain, click **ipm domain**.
3. In the top menu, click Weblogic Domain. The corresponding menu appears.
4. Navigate to the domain System MBean Browser. The System MBean Browser page appears.

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



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



	Name	Description	Access	Value
2	CacheLocation	Render page-cache temp file location. Takes effect at server restart.	RW	
3	CheckInterval	Configures how often (in minutes) input agent checks for work. Takes effect on the next check cycle.	RW	15
4	CleanupExpireDays	Configures how many days files will remain in the Input Agent Holding directory	RW	0
5	CleanupFileExclusionList	Configures the filenames that will not be moved to the Input Agent Holding directory. File paths must be exact matches to these values.	RW	
6	DefaultColorSet	Name of default skin used by UI if user has not set a preference.	RW	
7	DefaultSecurityGroup	The default security group to use for document security when creating an application	RW	
8	DocumentFileTimeout	The timeout in mSec for any repository operations like create/update/move document	RW	2000000
9	GDFontPath	Path referencing a location containing TTF font files for use by OIT rendering package. Takes effect on session bean initialization.	RW	/usr/share/X11/fonts/TTF
10	InputAgentRetryCount	Controls how many times a job can be retried. The default is 3; on the 4th try the job is placed in the failed directory.	RW	3
11	InputDirectories	Provides list of directories stored as CSV strings where input sources should look for work. Takes effect immediately.	RW	/home/oracle/testinputagent/inputdir1
12	IPMVersion	The I/PM version number.	R	11.1.1.5.0 (110426.1700.11020)
13	JpegImageQuality	Specifies desired quality level of rendered JPG images	RW	100
14	LogDetailedTimes	Provides detailed logging of UI activity with durations of many of the UI activities. Takes effect at server restart.	RW	false
15	MaxSearchResults	Maximum number of rows a search is allowed to return. After this value is reached, the search is stopped. Takes effect on next search.	RW	100
16	RequireBasicAuthSSL	Forces the use of SSL in all web service communication when set to true	RW	false
17	SampleDirectory	Specifies which directory holds the sample data for the input UI. Takes effect immediately.	RW	IPM/InputAgent/Input/Samples
18	TiffCompressionType	Compression algorithm used when creating TIFF images. Takes effect each time a TIFF is generated.	RW	LZW
19	Uptime	Returns the uptime of the server.	R	262:39:59
20	UseAdvancedAsDefaultViewerMode	Causes the advanced viewer to be used as the default viewer mode if a user has not set a preference. Takes effect at next login	RW	false

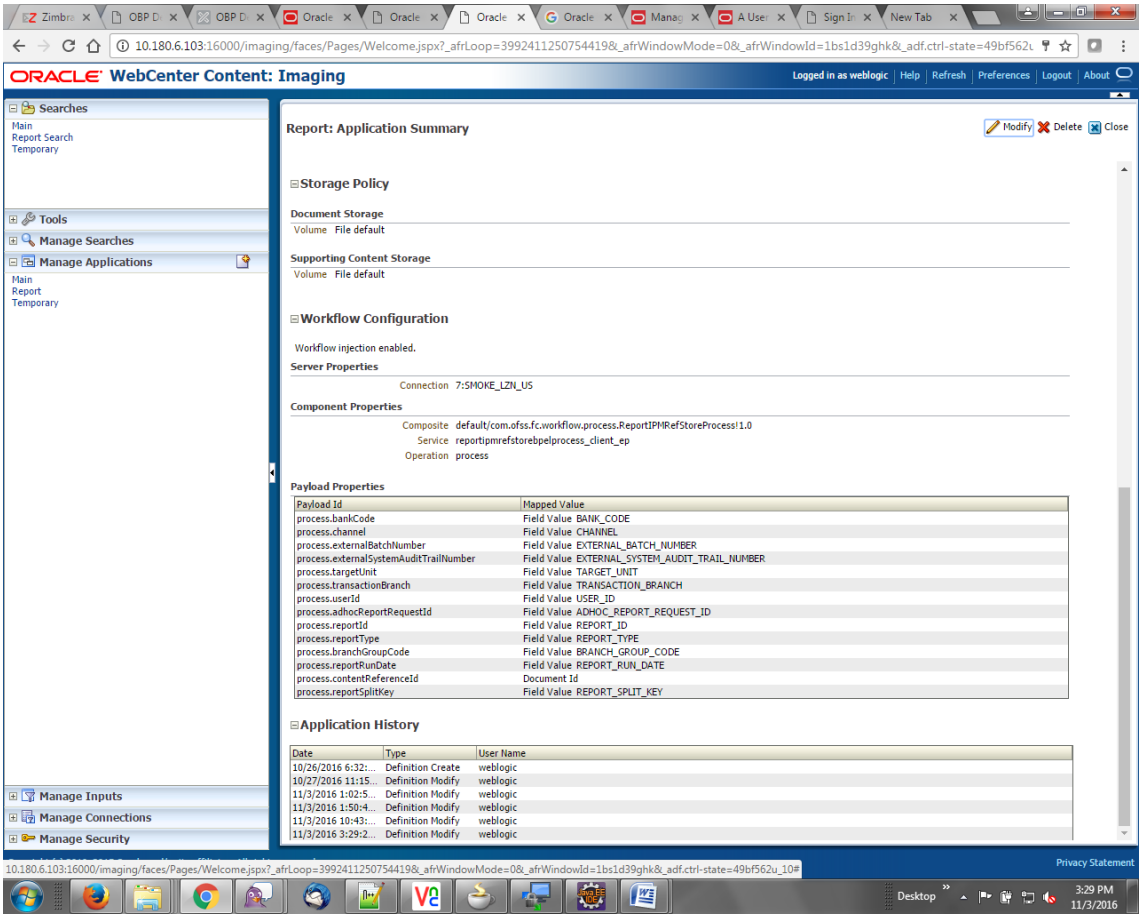
8. Restart IPM server.

7.3.4 Create SOA Connection

To create a SOA Connection:

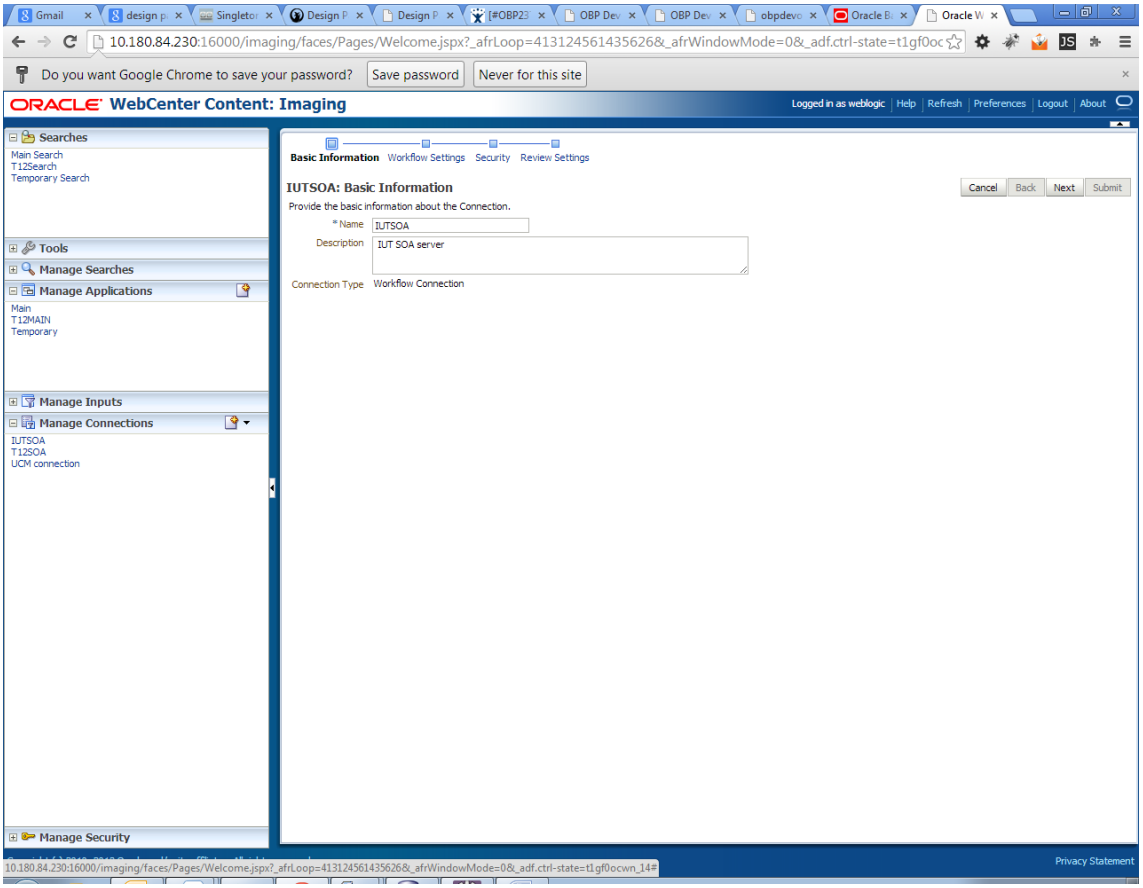
1. Log in to Image Processing Management (IPM).
2. Navigate to the Manage Connections section.

Figure 7–70 Manage Connections: Create Workflow Connection



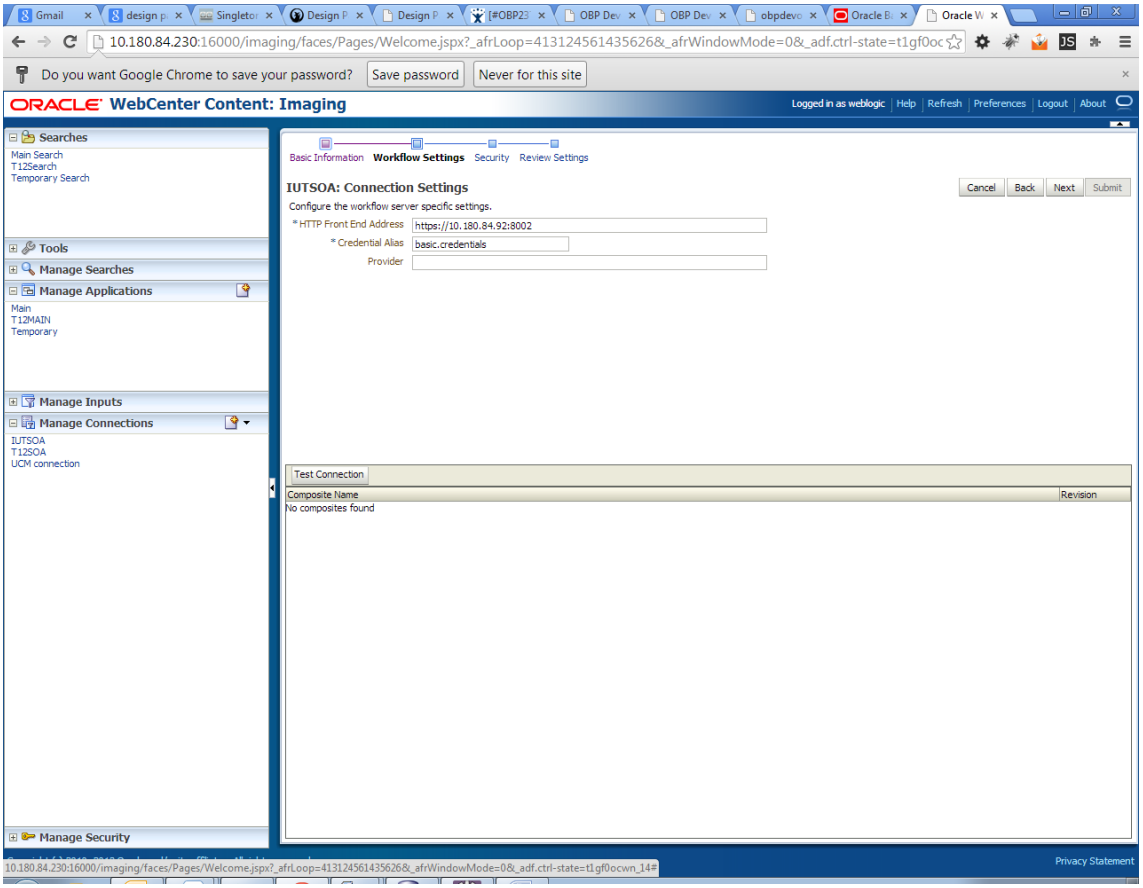
3. Click **Create Workflow Connection.**
4. In the **Name** field, enter the name for SOA Connection as IUTSOA.

Figure 7–71 IUTSOA: Basic Information



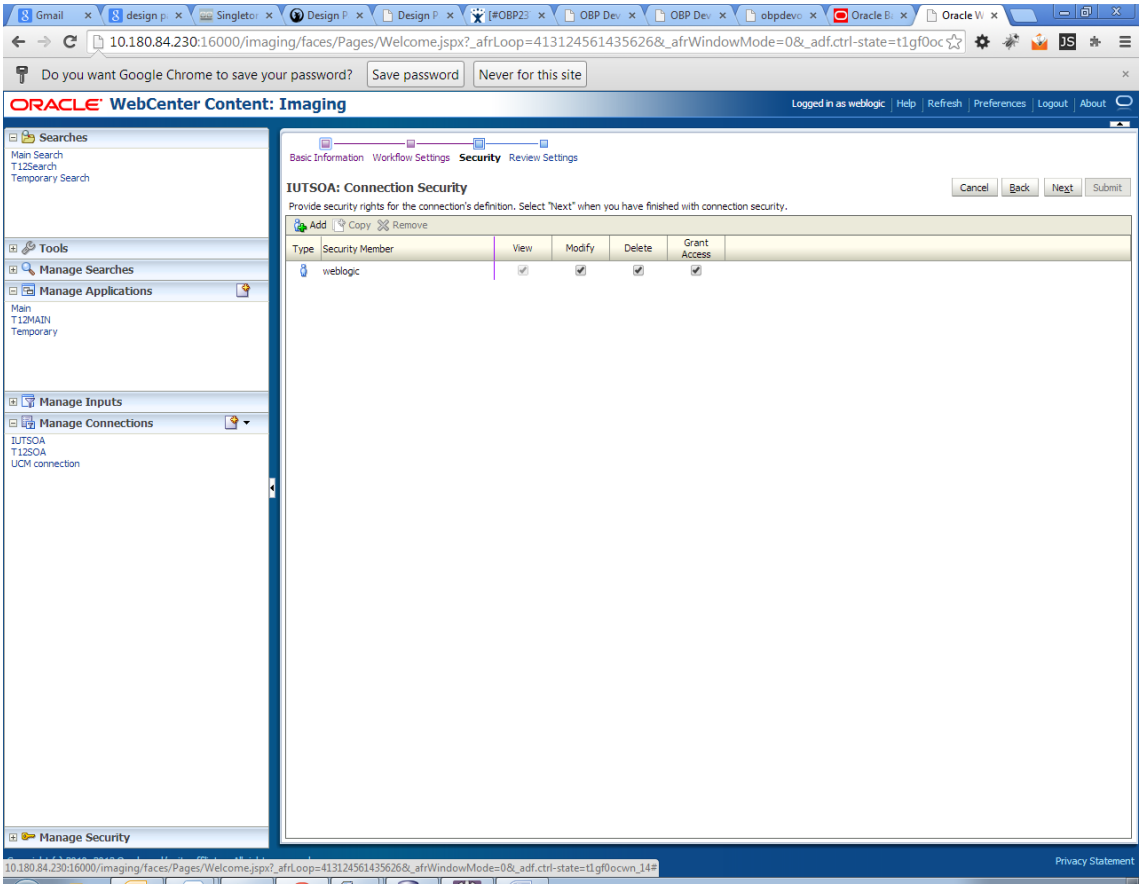
5. In the **HTTP Front End Address** field, enter the value for SOA server.

Figure 7–72 IUTSOA: Workflow Settings



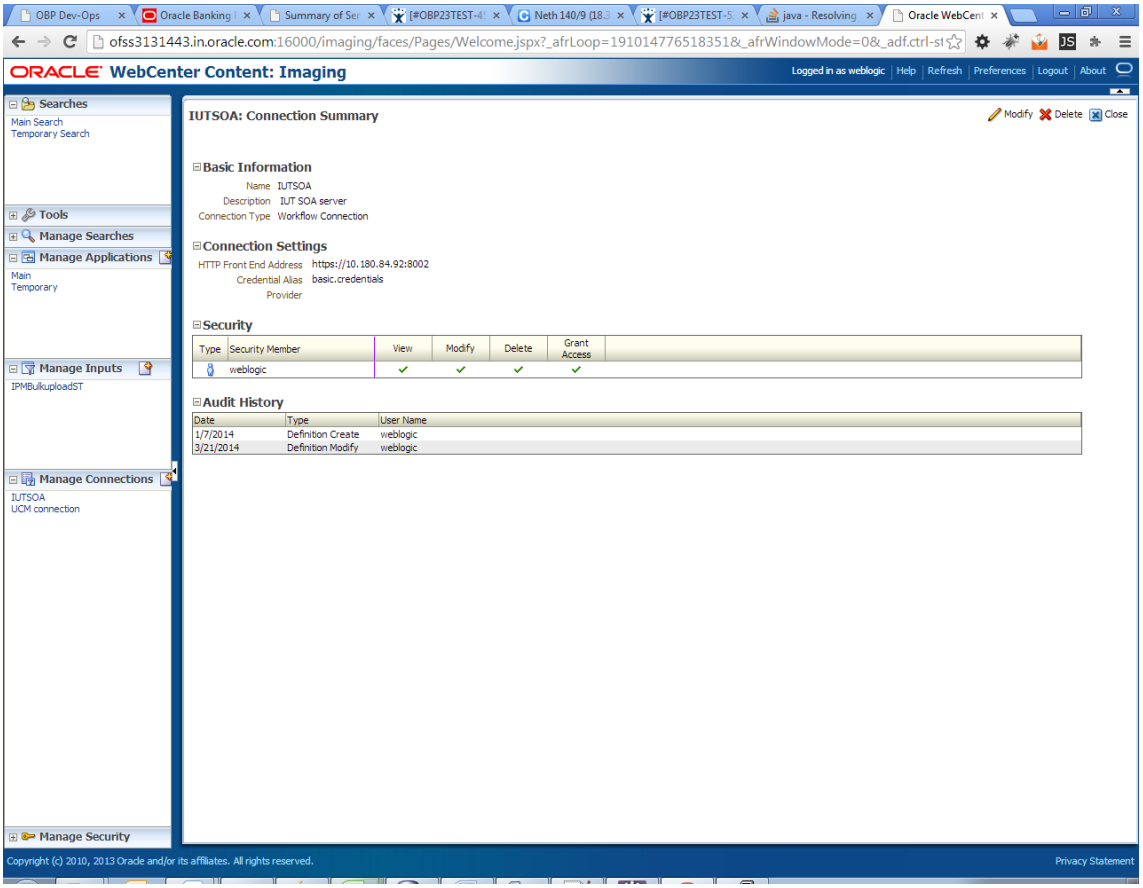
6. In the **Credential Alias** field, enter the value as basic.credentials.
7. Click **Next** to proceed. The Connection Security page appears.

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.

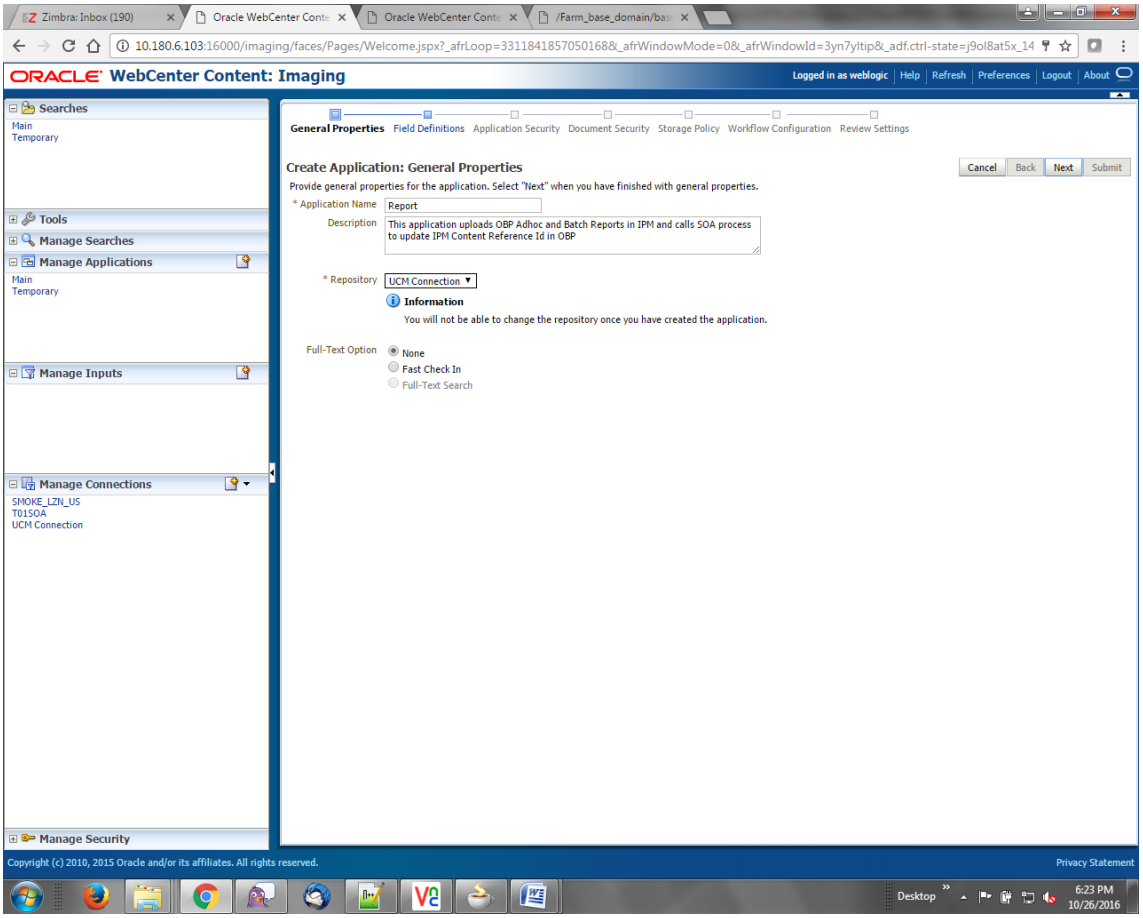
Figure 7–74 IUTSOA: Review Settings



7.3.5 Manage Application Configuration

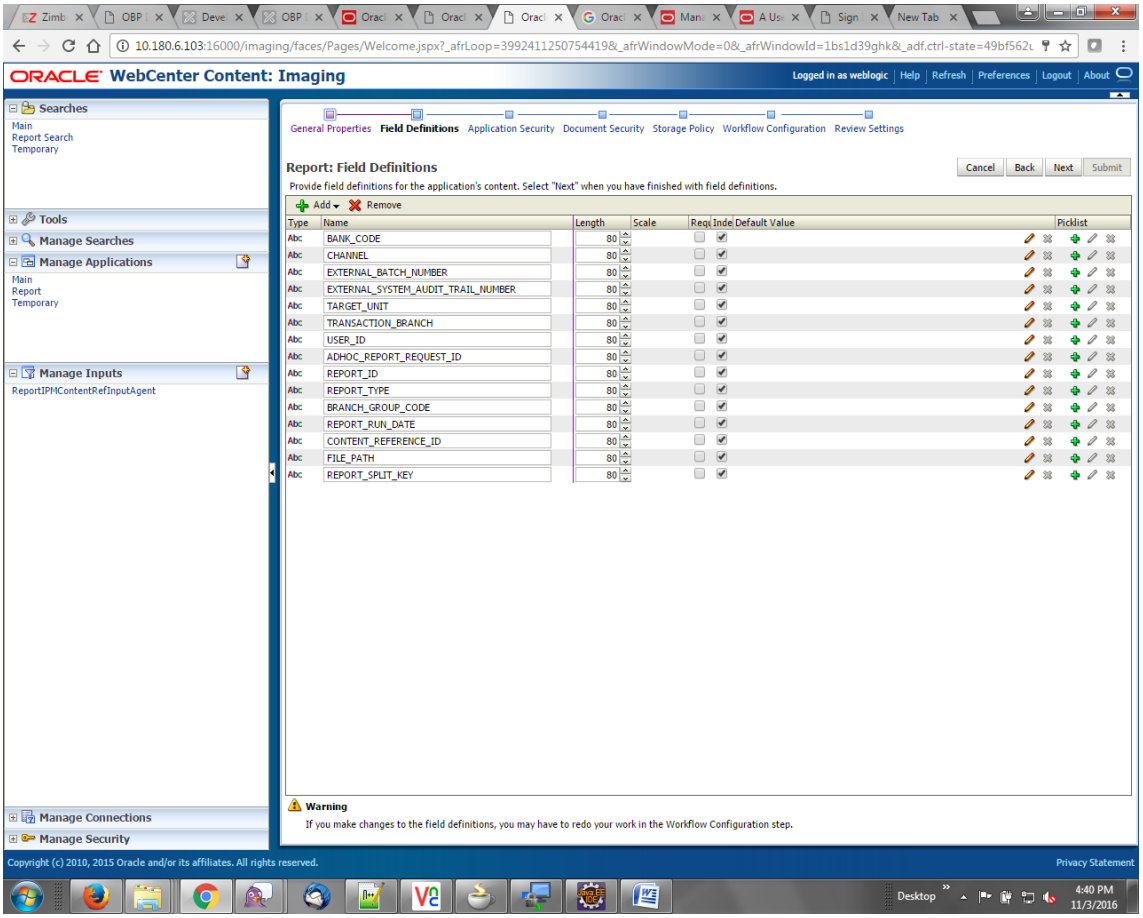
1. Navigate to the Manage Applications section.
2. Select Create New Application option. The Create Application: General Properties page appears.

Figure 7–75 Create Application: General Properties



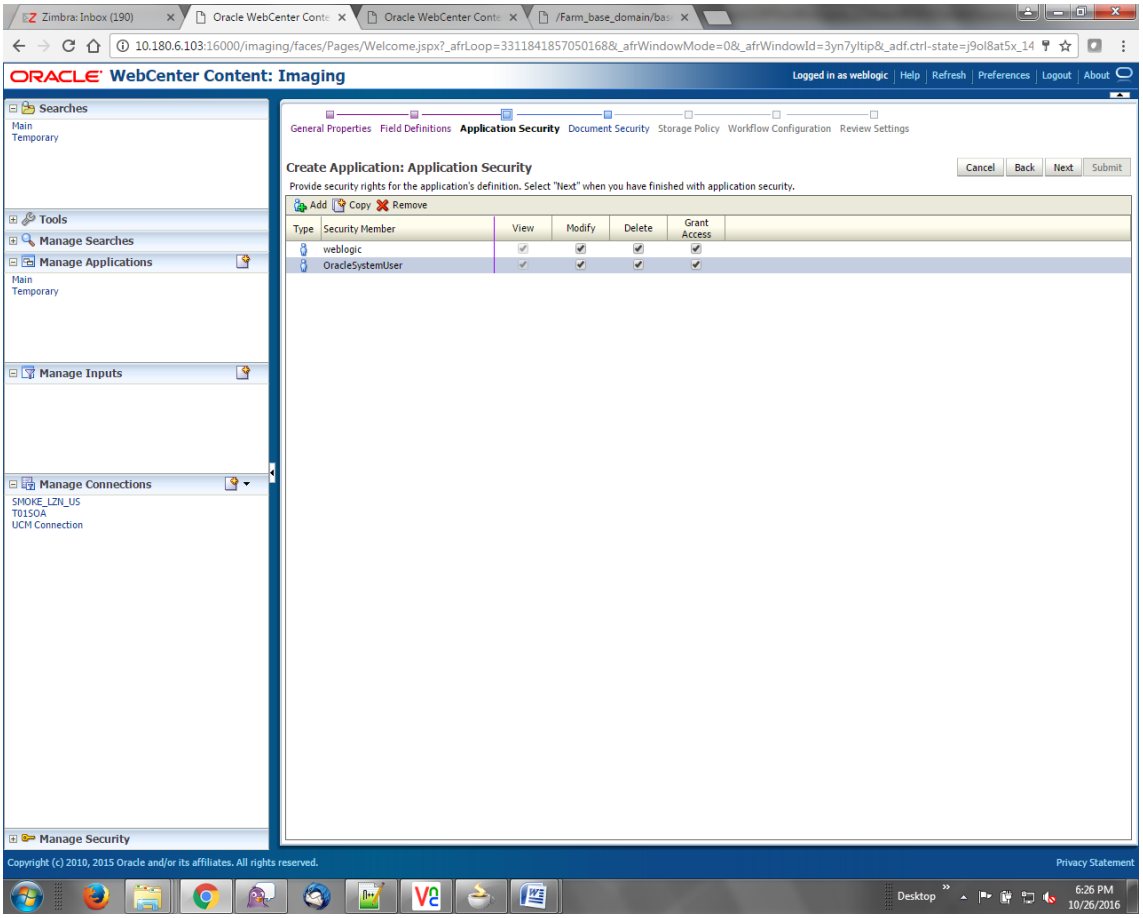
3. Enter the general properties for the application and click **Next.** The Report: Field Definitions page appears.

Figure 7–76 Report: Field Definitions



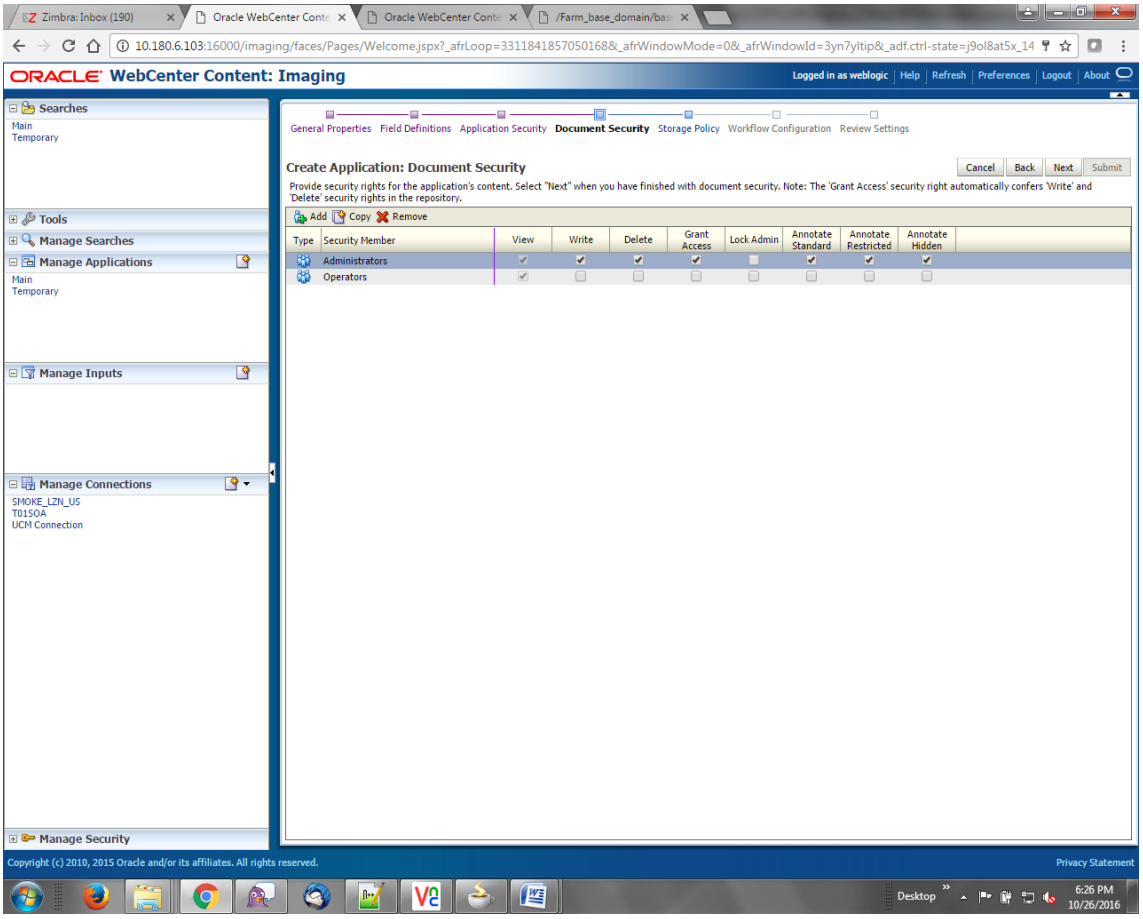
4. Enter the field definition details and click **Next.** The Create Application: Applications Security page appears.

Figure 7–77 Create Application: Applications Security



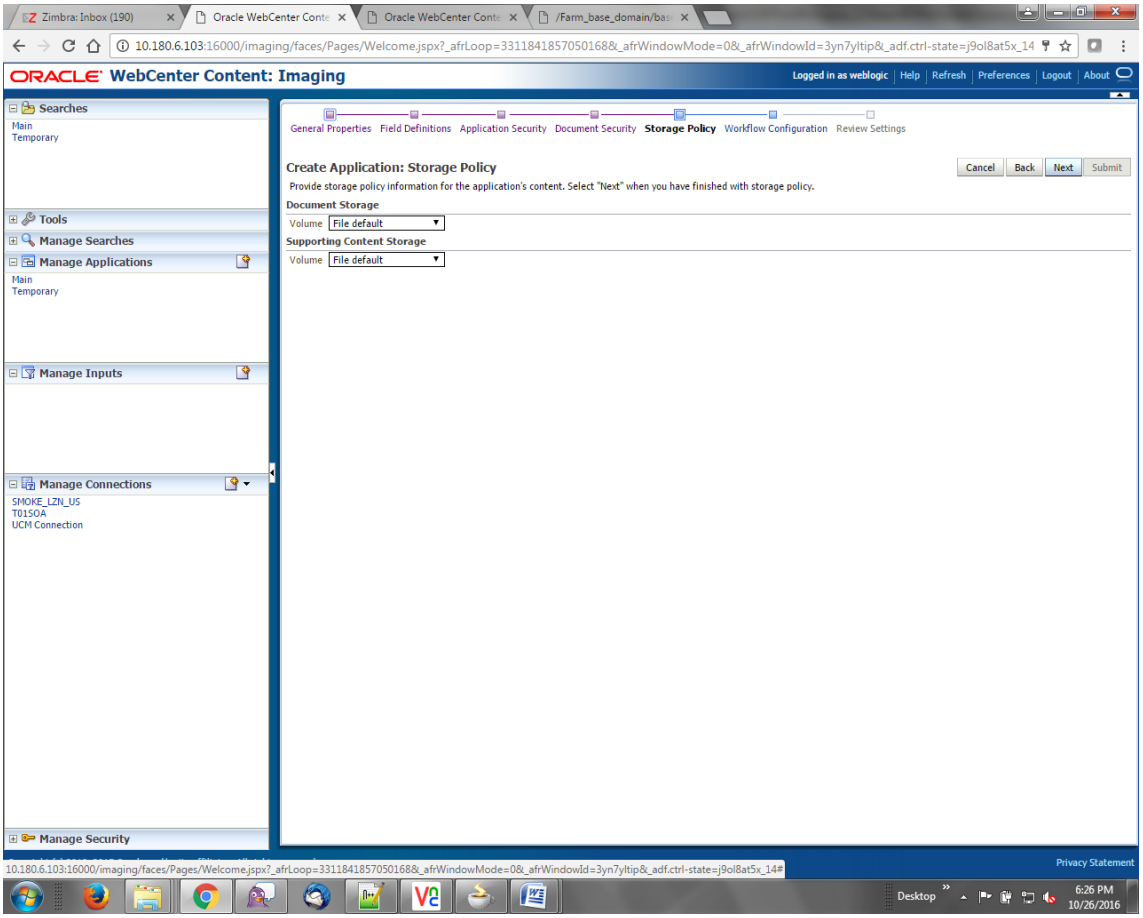
5. In the Application Security section, select the access rights for users and click **Next.** The Create Application: Document Security page appears.

Figure 7–78 Create Application: Document Security



6. 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

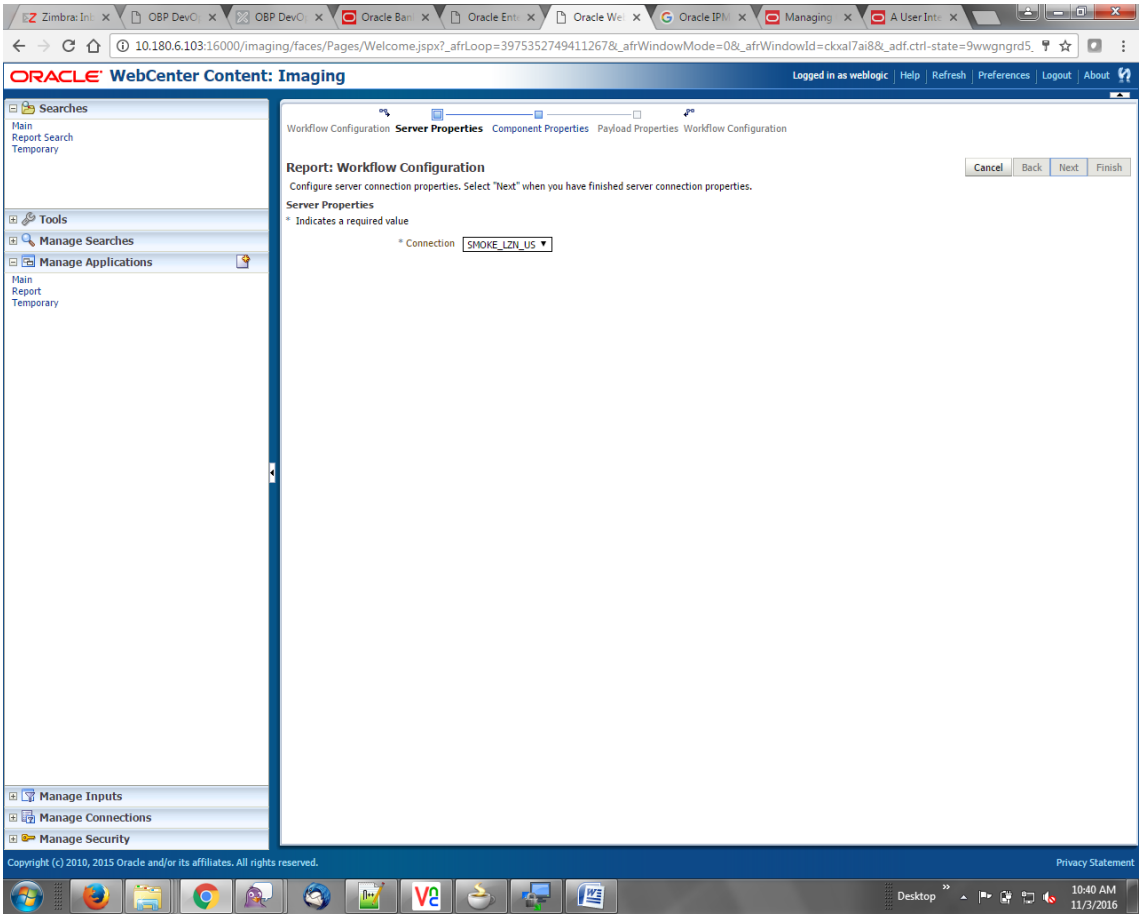


Figure 7–81 Report: Workflow Configuration - Component Properties

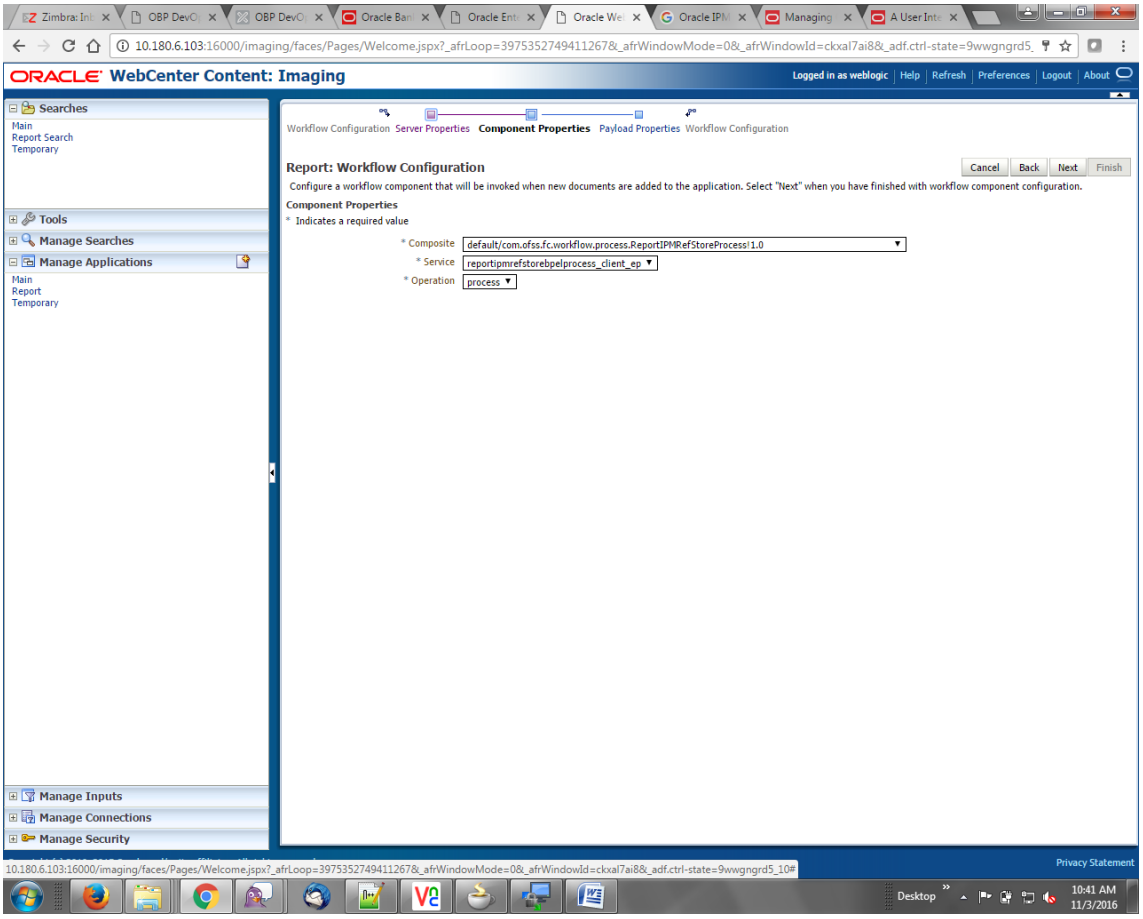
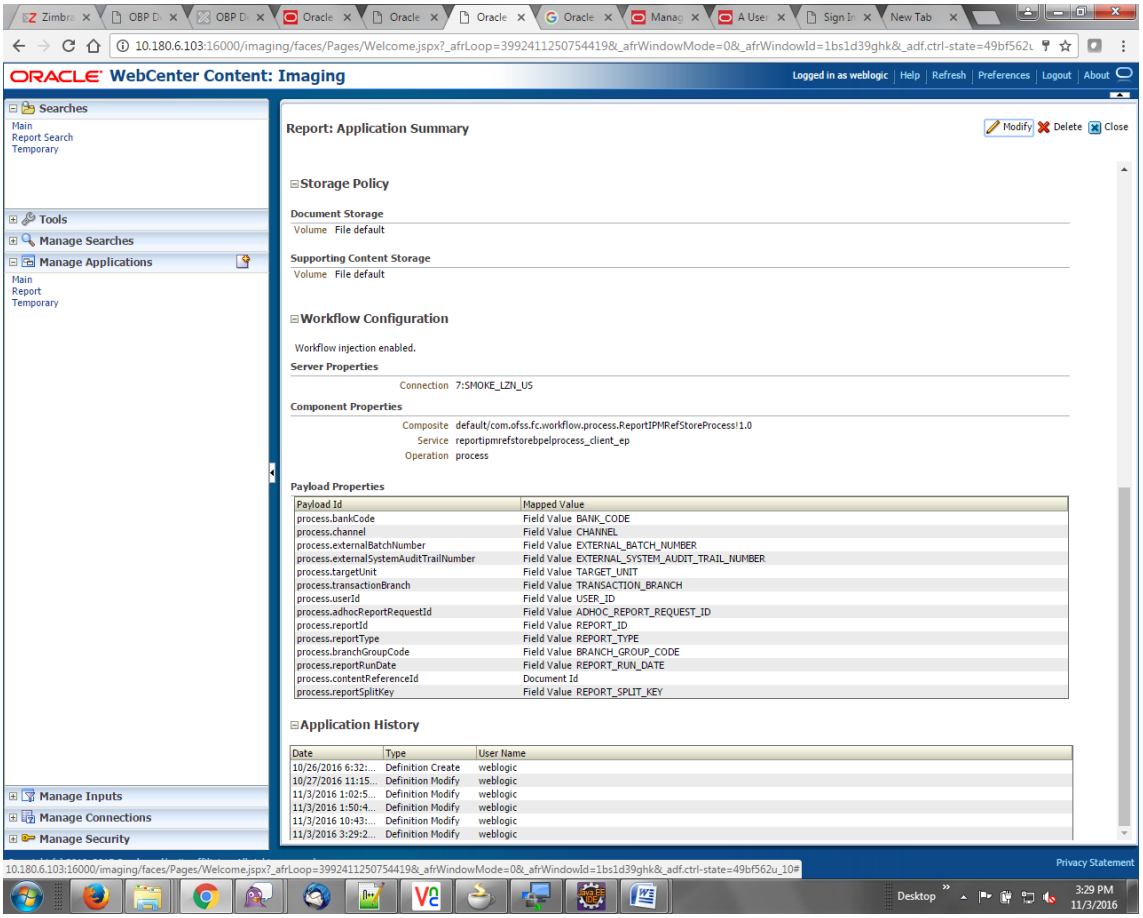
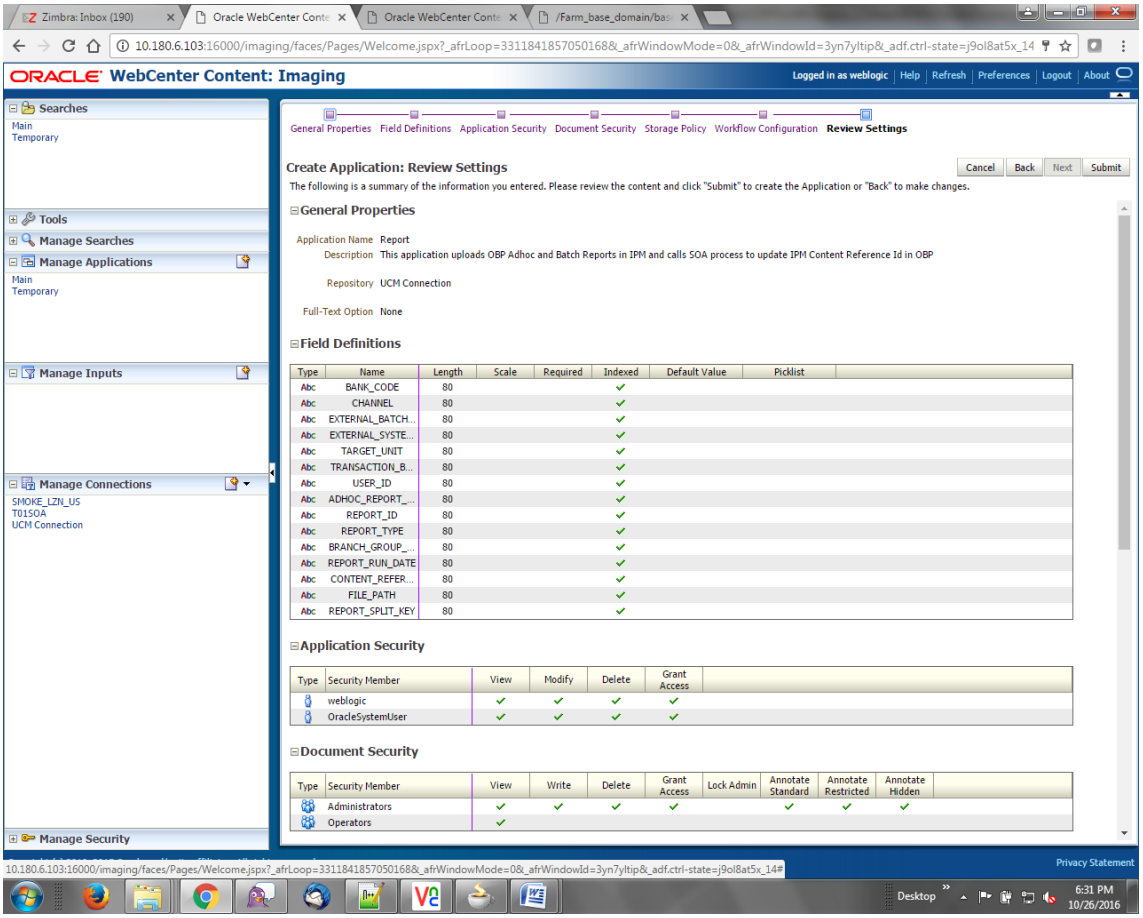


Figure 7–82 Report: Application Summary



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

Figure 7–83 Create Application: Review Settings

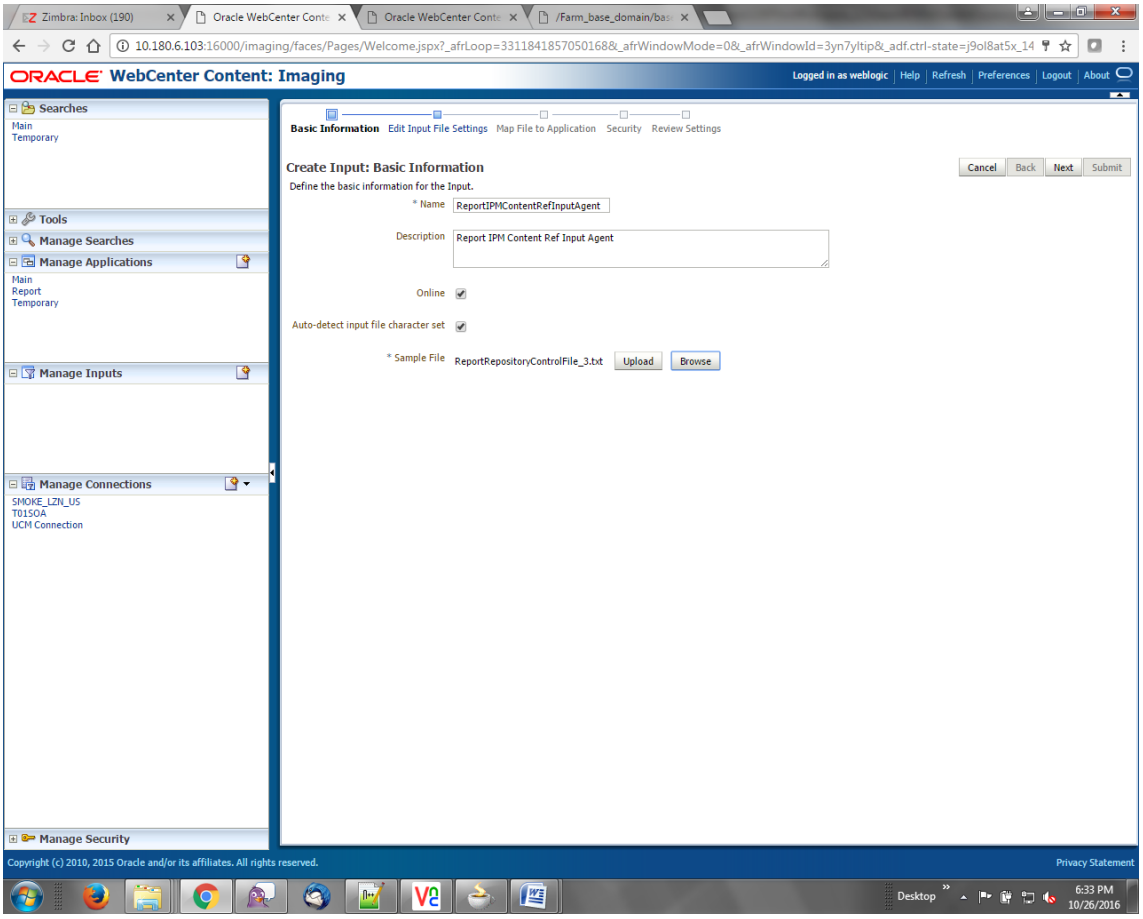


7.3.6 Manage Inputs for Input Agents

To manage workflow configuration:

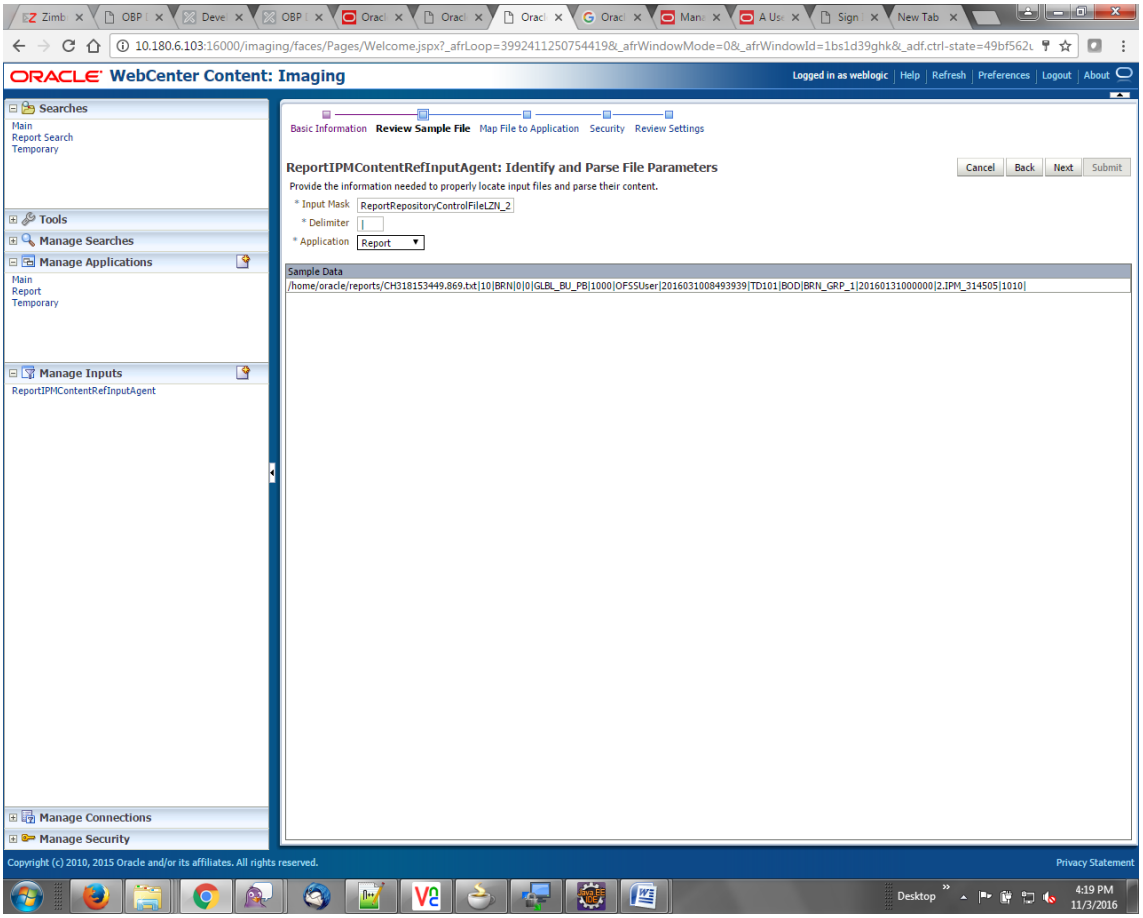
1. Log in to Image Processing Management (IPM).
2. Navigate to Manage Inputs section.

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

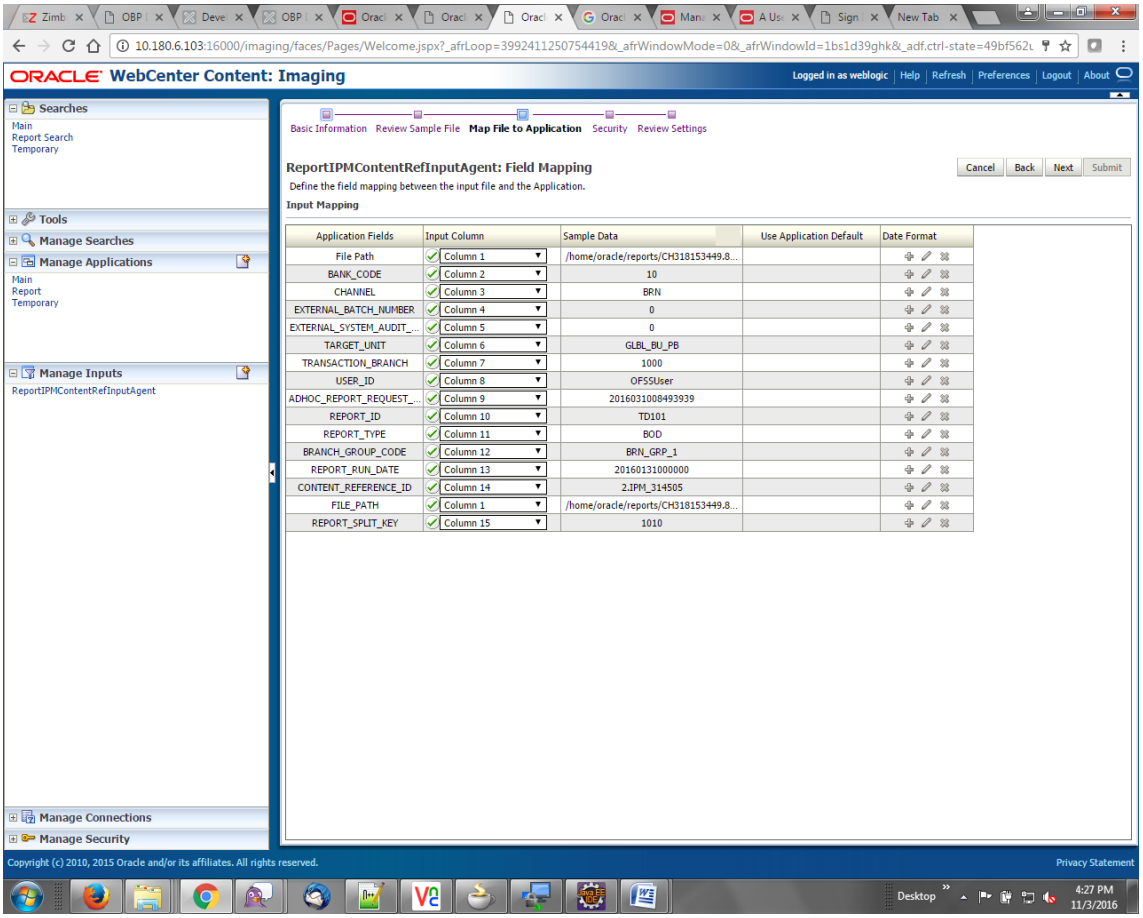
   select prop_value from flx_fw_config_var_b where prop_id = env.name;

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.

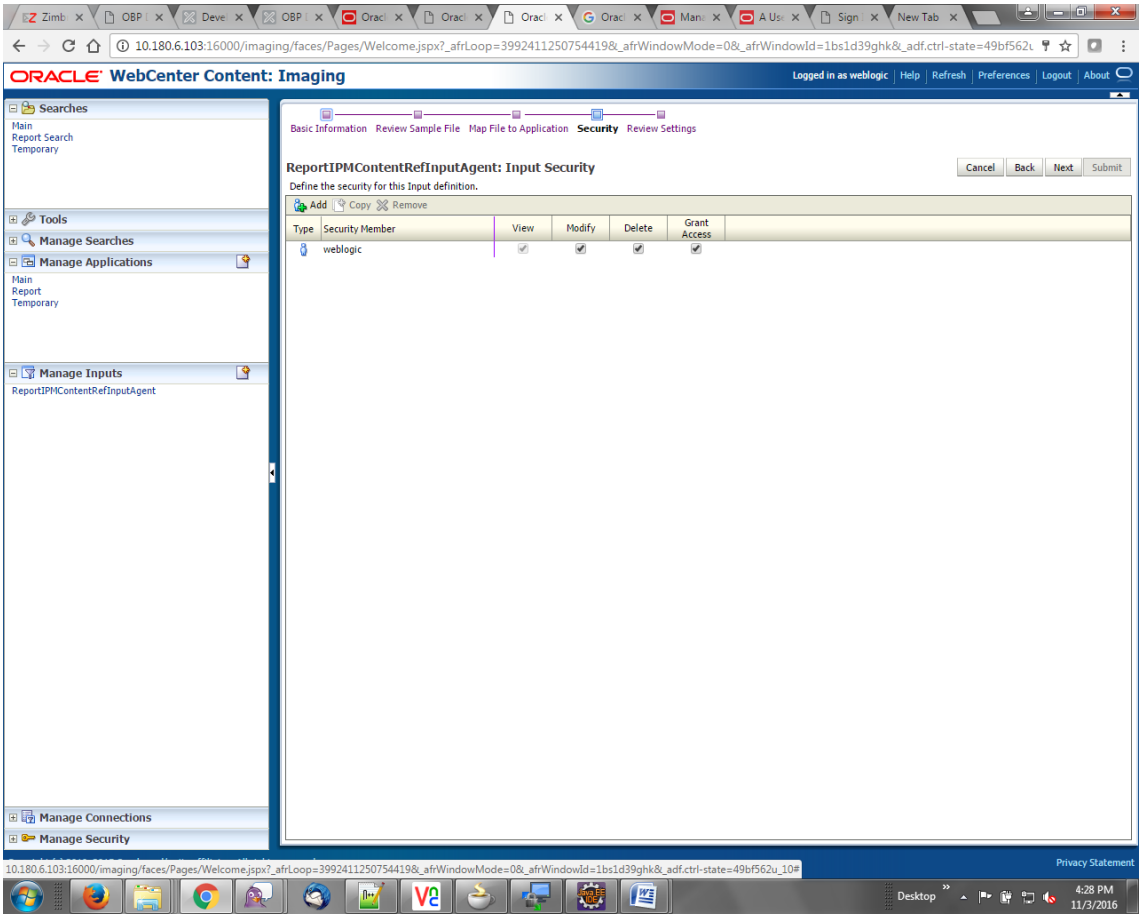
7. In the **Delimeter** field, enter the delimiter value as | (vertical bar character).
8. From the **Application** field, select the application to which the input agent will be applied.

Figure 7–86 Input Agent Details: Field Mapping



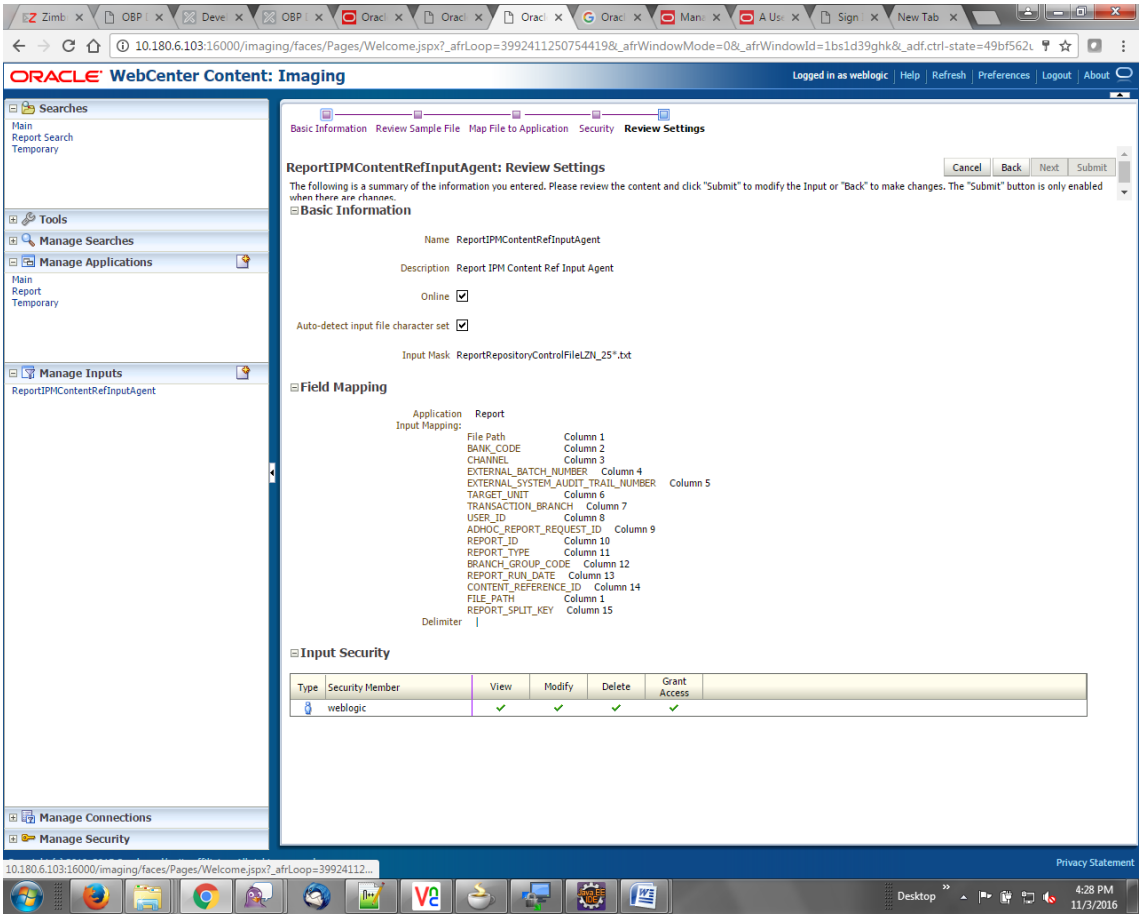
9. Select the access rights for user in the Security section and click **Next.**

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

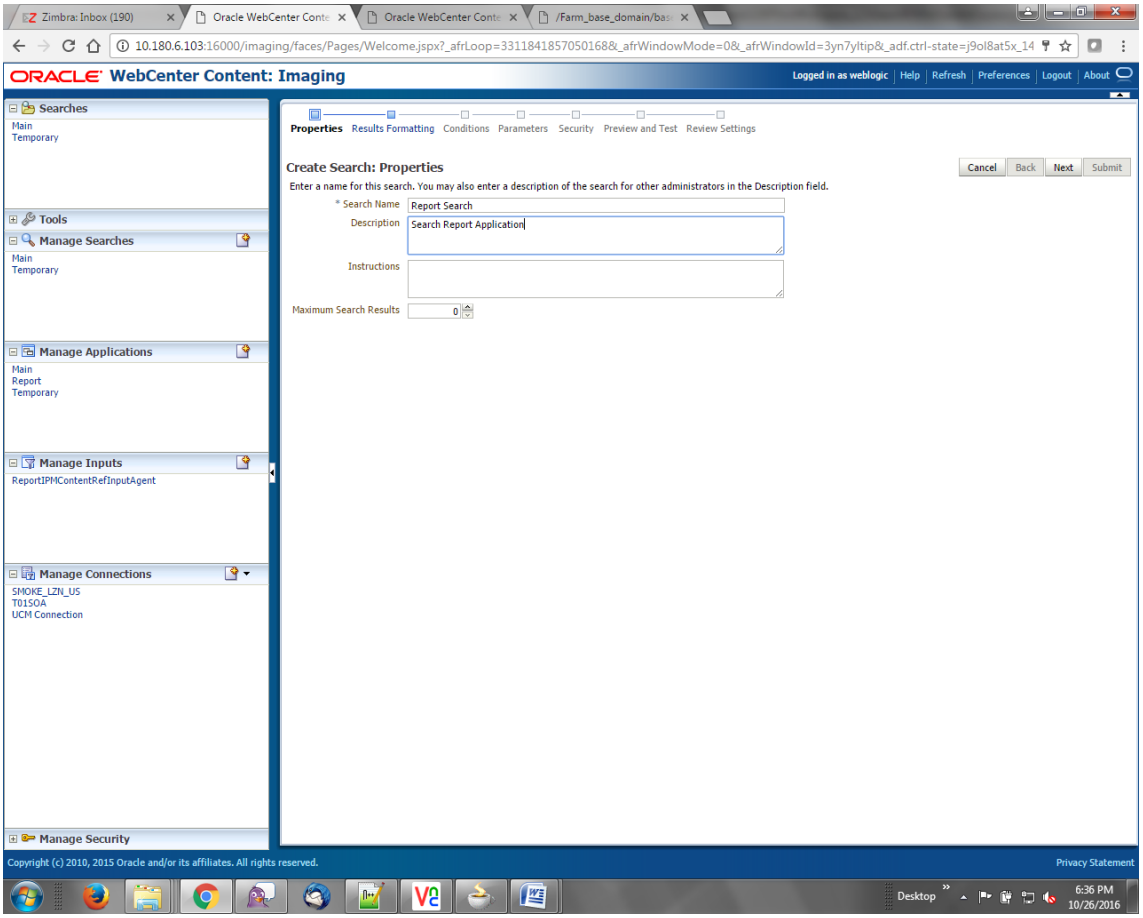
Do not forget to toggle online, else the input agent will not pick up any file for processing.

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

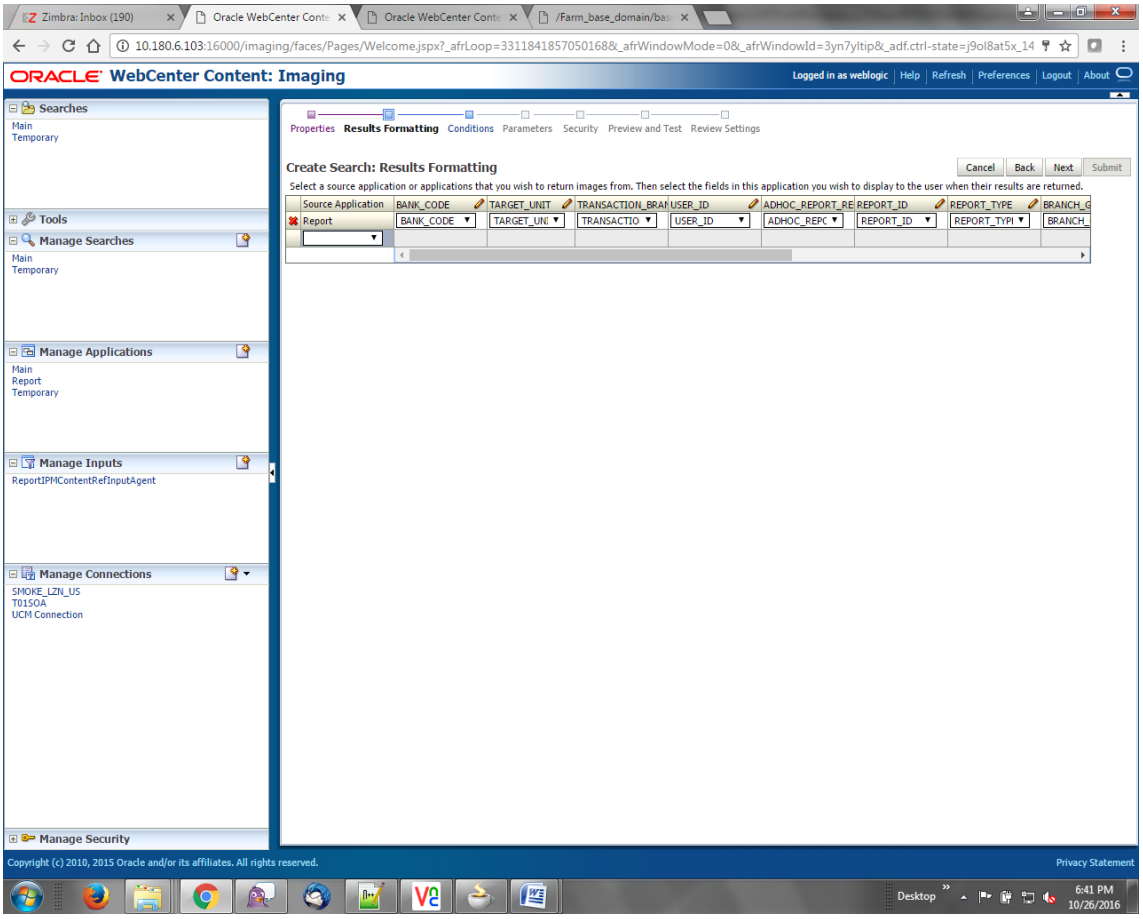


Figure 7–91 Create Search: Conditions

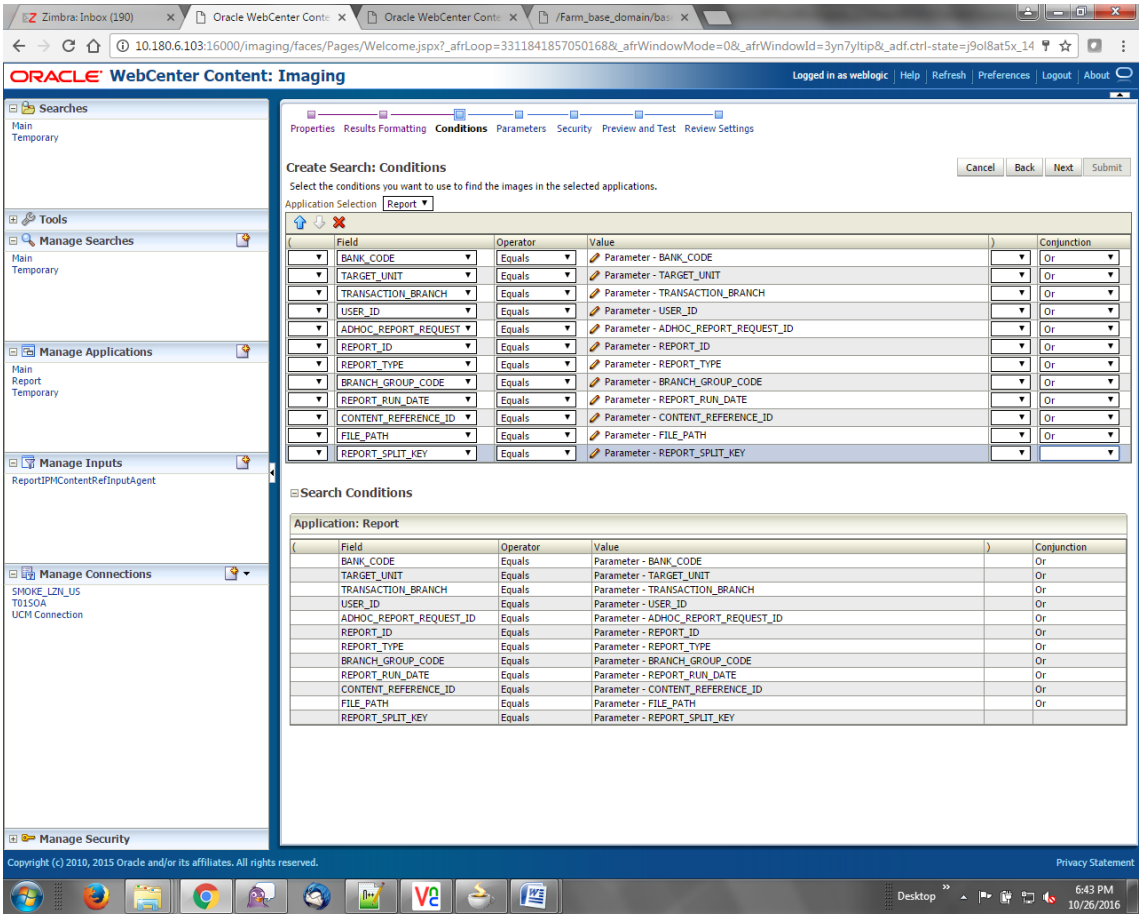
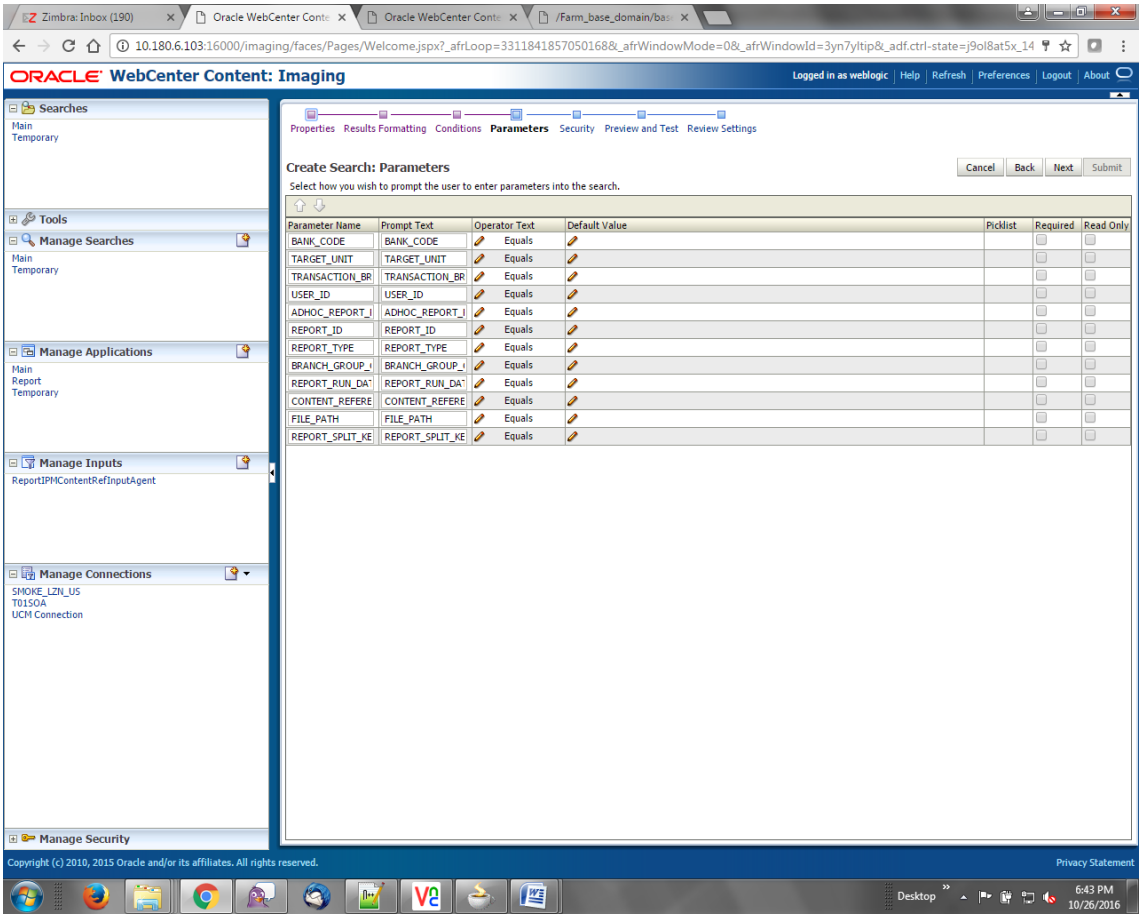
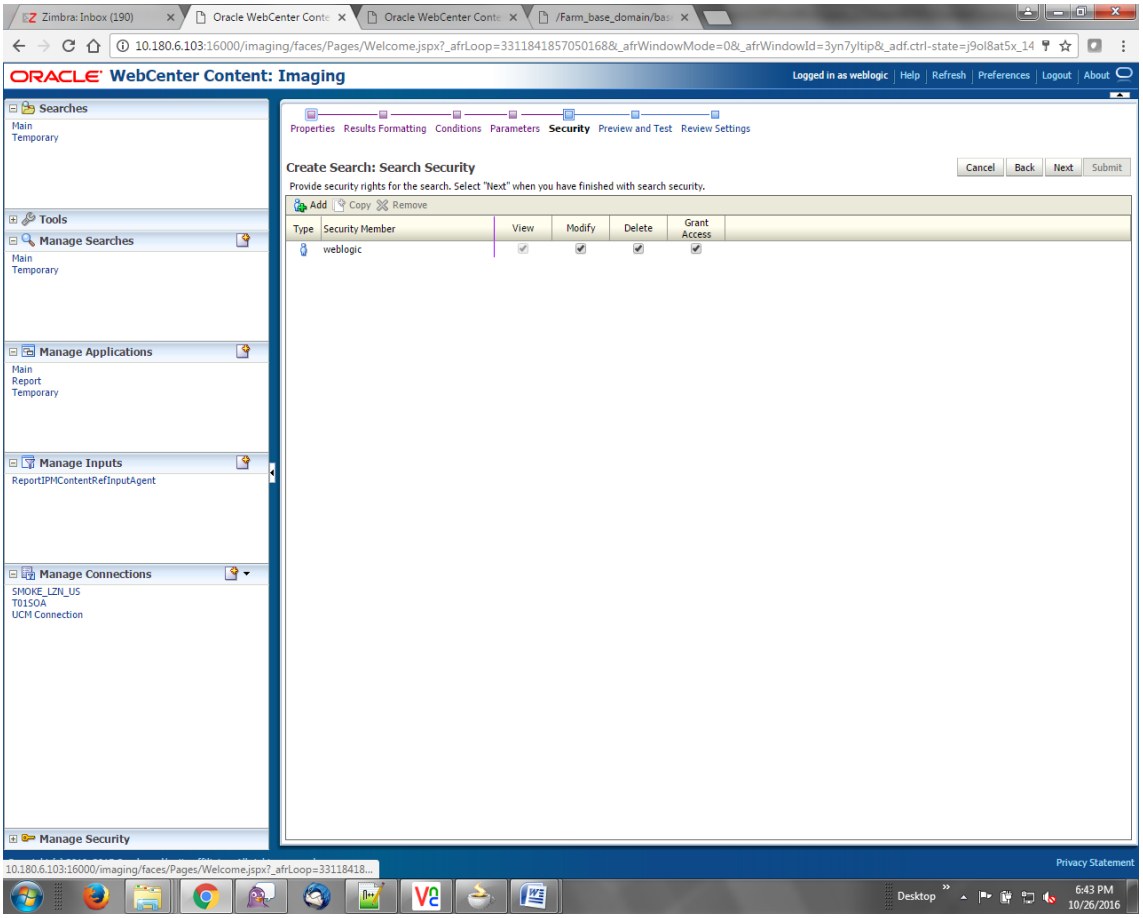


Figure 7–92 Create Search: Parameters



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

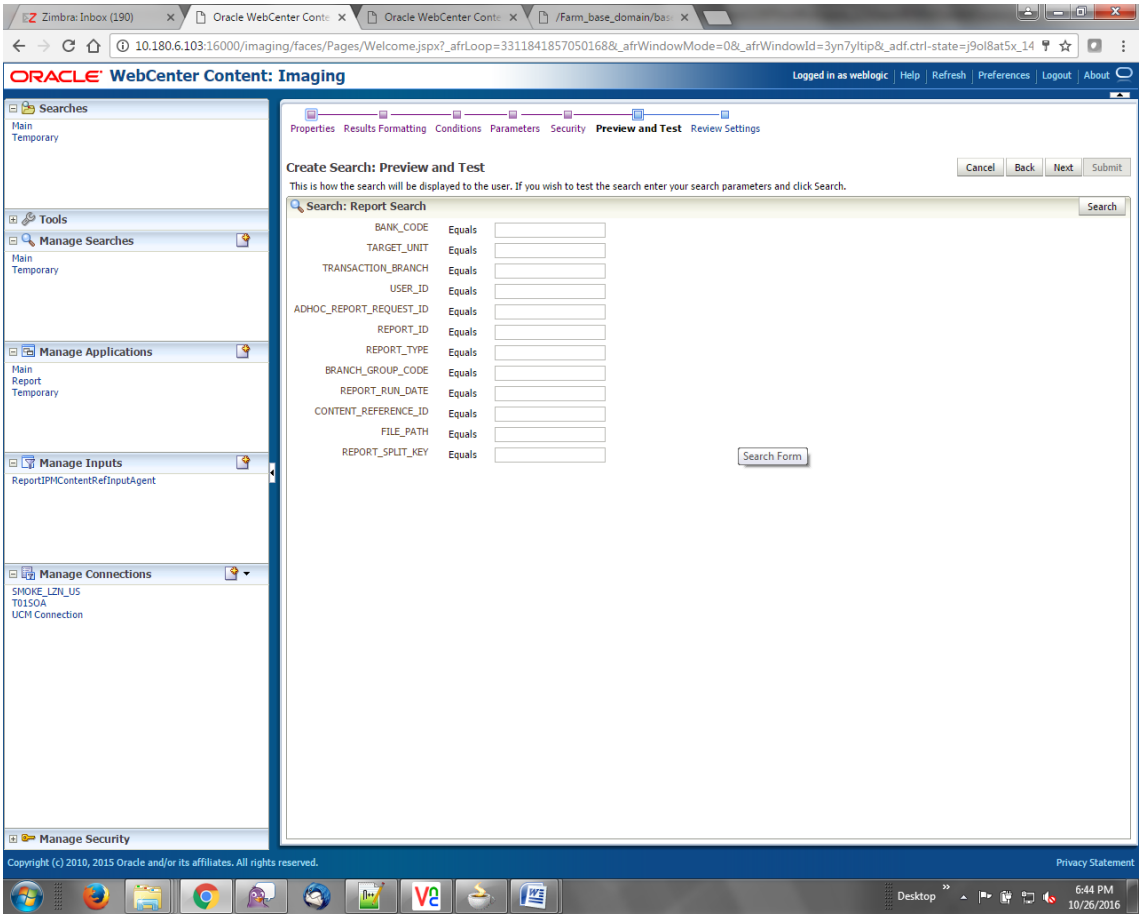
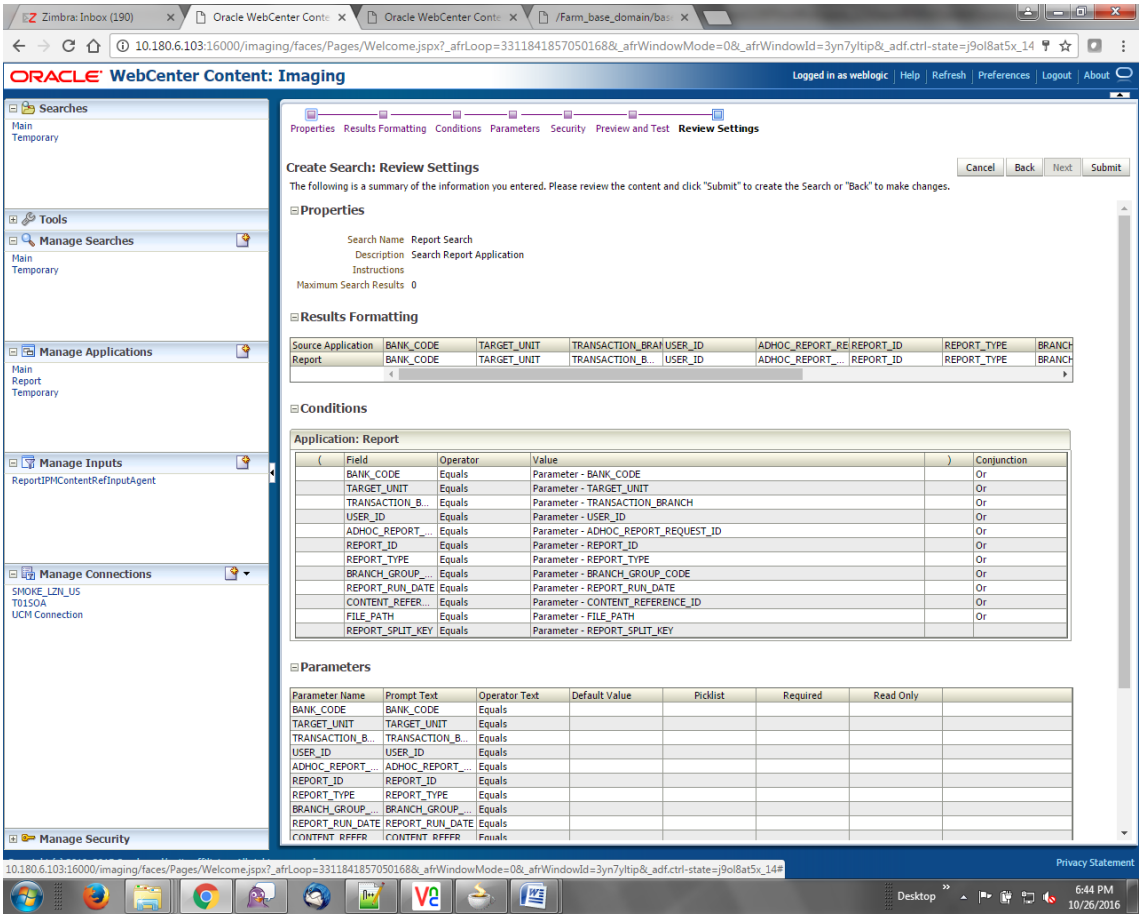


Figure 7–95 Create Search: Review Settings



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
FTPSERVER.DMSFILEPATH=/scratch/ofssobp/testinputagent/inputdir1/	Path in IPM config
FTPSERVER.REPORTPATH=/scratch/reports/	Path where files will be FTP
FTPSERVER.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

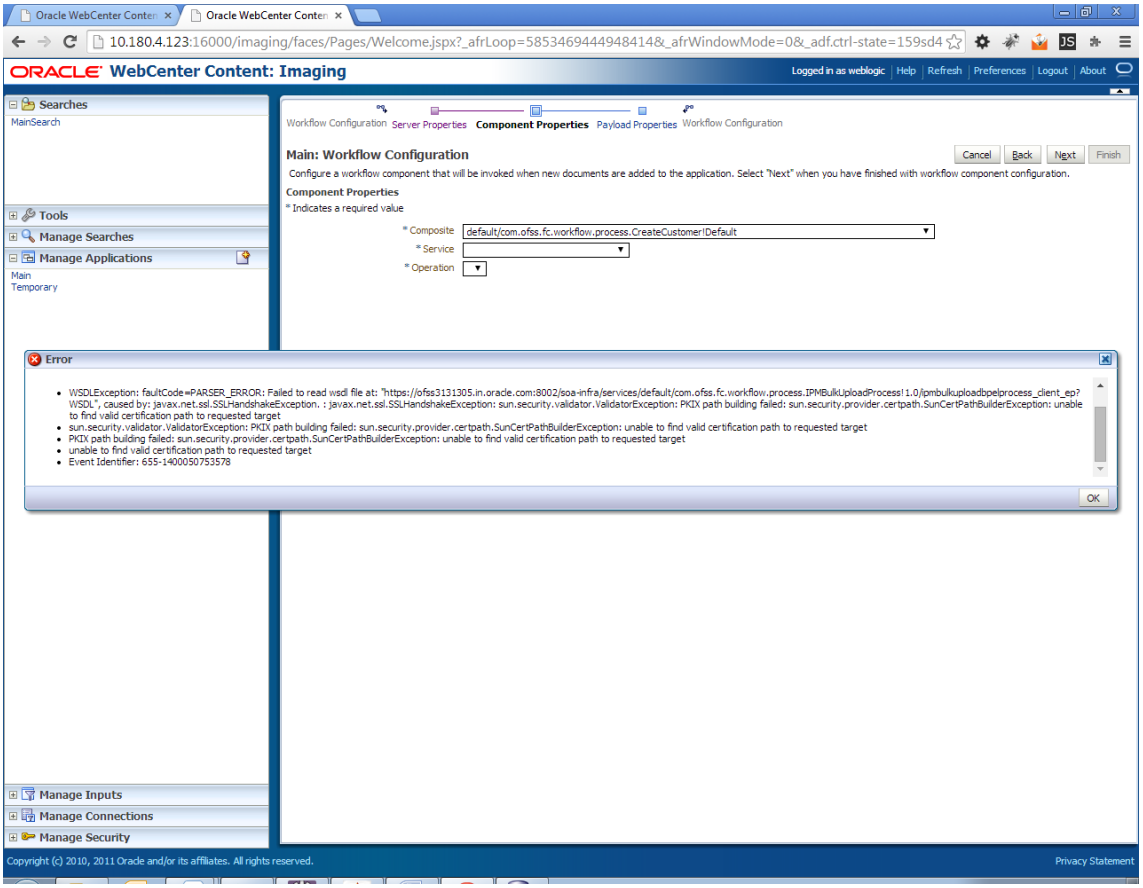
        keytool -import -noprompt -trustcacerts -alias UI_SSL_trustself -file SOACert.cer -keystore cacerts -storepass changeit
    c. Security policy for ReportIPMRefStoreProcess can been removed (if required).

        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 BIP Datasource Creation

This chapter explains the steps required for Business Intelligence Publisher (BIP) datasource creation.

8.1 BIP Datasource Creation

To use BIP, it is required to create datasource in BIP server. This can be done after Host pre-install. The data source must point to the same db schema as given in BIP_DATASOURCE_NAME in installobphost.properties.

Follow the below mentioned steps to create the datasource:

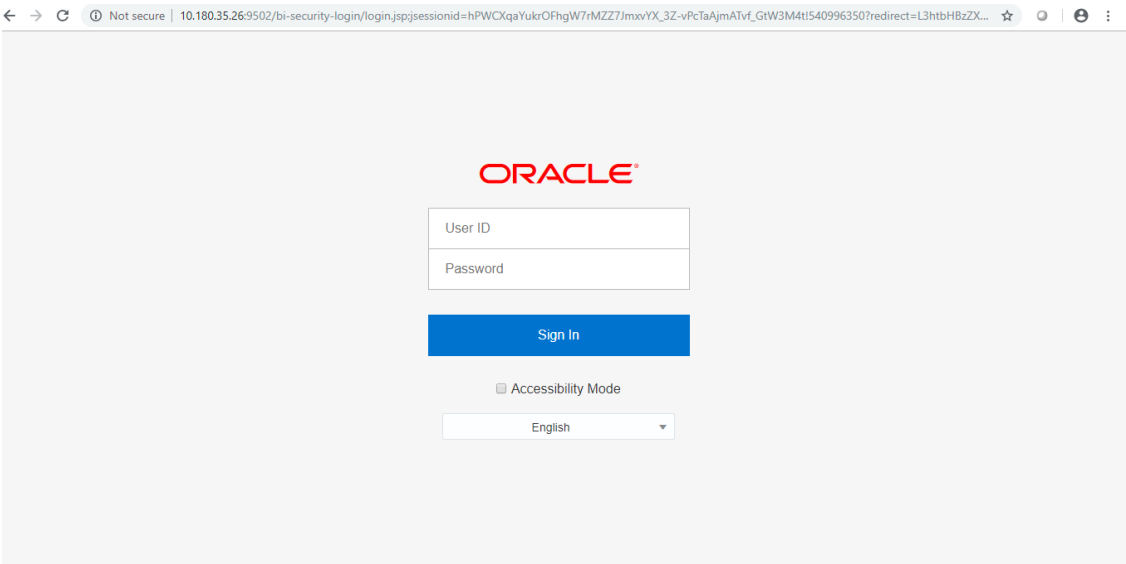
1. Open a browser and navigate to:

   <BIP_SERVER_IP>:<BIP_SERVER_PORT>/xmlpserver

2. Log in using the following credentials:

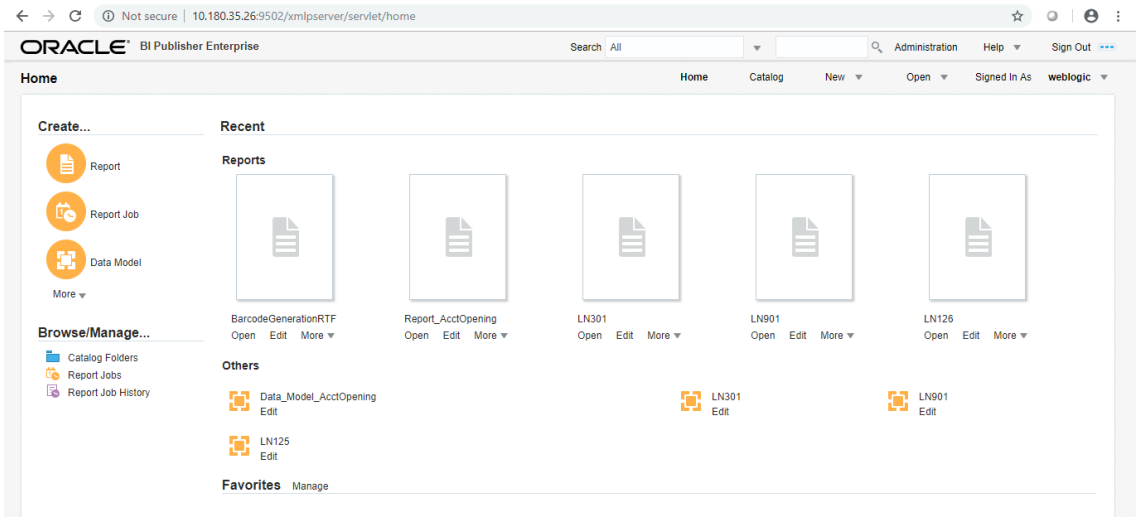
   - Username: <BIP_SERVER_USER>
   - Passowrd: <BIP_SERVER_PSWD>

Figure 8–1 BIP Server Console Login



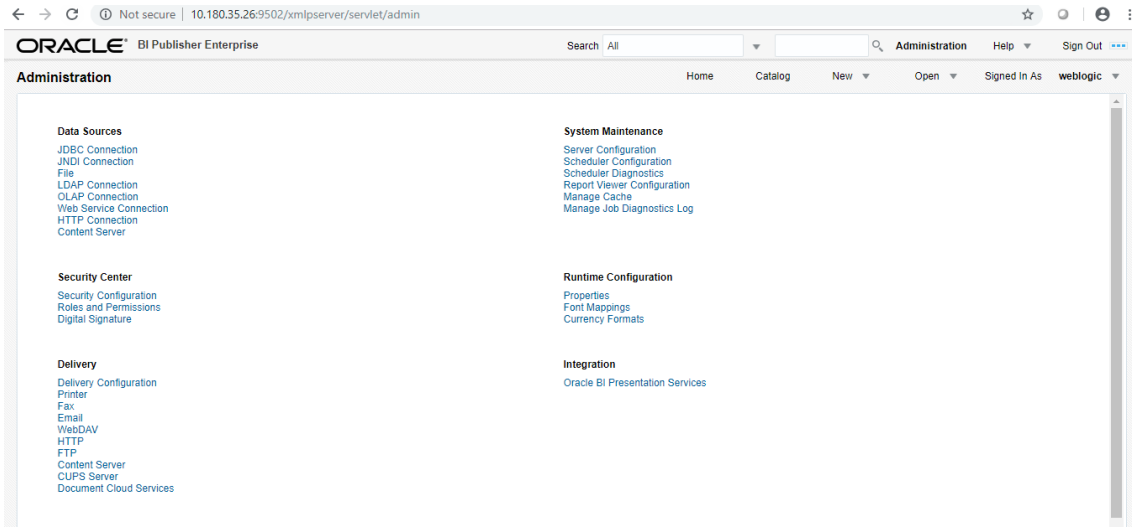
3. After logging in, click **Administration**.

Figure 8–2 BIP Administration



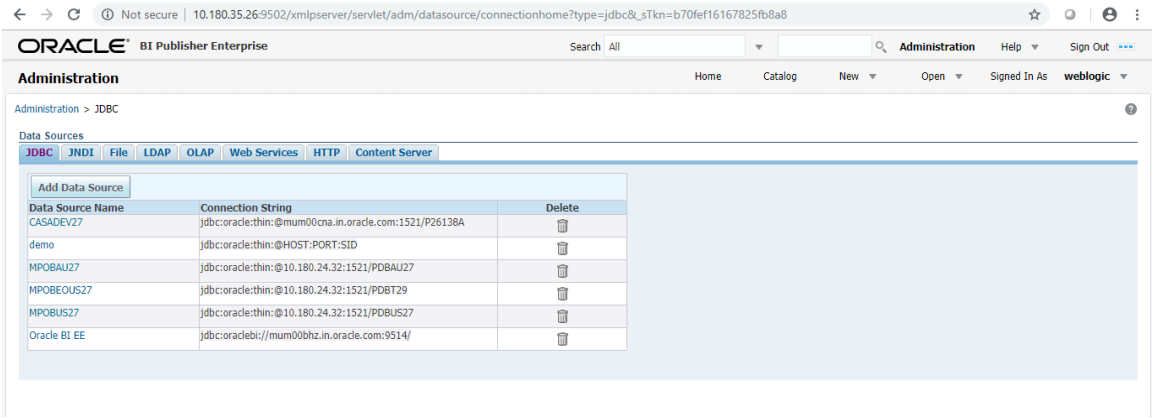
4. Click **JDBC Connection** under **Data Sources**.

Figure 8–3 BIP JDBC Connection



5. Click the **Add Data Source** button.

Figure 8–4 BIP - Add Data Source



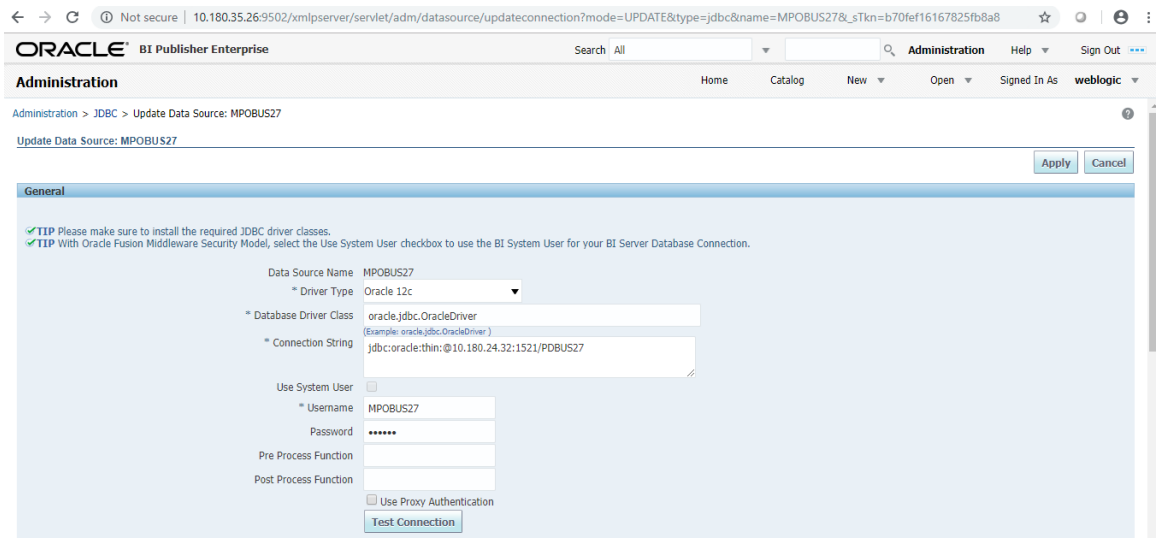
6. Fill up the following fields:

Table 8–1 Data Source Details

Field Name	Description
Data Source Name	Any name can be given here
Driver Type	Oracle 11g
Database Driver Class	oracle.jdbc.OracleDriver
Connection String	jdbc:oracle:thin:@<OBP_HOST_DB_IP>:<OBP_HOST_DB_PORT>:<OBP_HOST_DB_SERVICE_NAME>
Username	<BIP_DATASOURCE_NAME>
Password	<OBP_HOST_DB_PASSWORD>

7. Click **Ok**.

Figure 8–5 BIP Data Source Created



9 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.

9.1 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
    - odIUploadOBP for OBP DB having JNDI name: jdbc/odIUploadOBP
    - odiOBP for source DB having JNDI name: jdbc/odiOBP
6. Deploy agent from staging area in ODI domain.
7. Create one data source to access reporting db (jdbc/FCBDataSourceODI) with the name OBP_HOST_ODI_XA in host domain where batch will run.
8. Make the entry for WSDL_URL in odi.properties file in host domain where batch will run.

    Example: WSDL_URL =

    http: //<ODIDOMAINSERVER>:8080/oracle12diagent/OdiInvoke?WSDL

10 Monitoring Servers Using Oracle Enterprise Manager

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

The OBPM 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 OBPM Servers, follow the procedures given in Oracle Banking Party Management Management Pack Setup Guide.

11 Post Installation Verification

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

11.1 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 OBPM 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.obcm

Figure 11–1 UI Weblogic Console

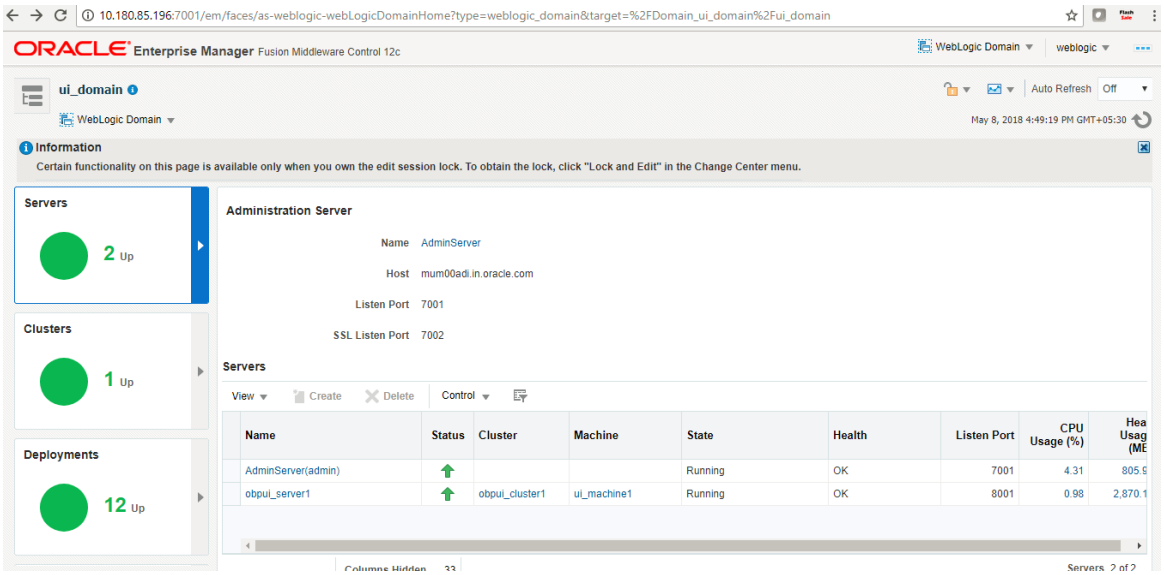
ob.app.client.coll(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.app.client.communications(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.app.client.cz(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.app.client.deposit(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.app.client.fw(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.app.client.indirectlending(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.app.client.lcm(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.app.client.lending(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.app.client.or(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.app.client.party(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.app.client.pm(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.app.client.pricing(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.app.client.sh(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.coll(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.communications(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.cz(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.deposit(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.fusion(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.indirectlending(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.lcm(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.lending(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.or(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.party(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.pm(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.pricing(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.sh(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.tp(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100
ob.ui.tp.cz(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpui_cluster1	Global		100

Figure 11–2 UI Weblogic Console

com.ofss.fc.app.monitoring	Active	OK	Web Application	obpui_cluster1	Global		100
com.ofss.fc.app.ui.connector	Active	OK	Enterprise Application	obpui_cluster1	Global		80
com.ofss.fc.ui.rest.ops	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.ui.view.admin	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.ui.view.developer	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.ui.view.mds	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.ui.view.obcm	Active	OK	Enterprise Application	obpui_cluster1	Global		100
com.ofss.fc.ui.view.qa	Active	OK	Enterprise Application	obpui_cluster1	Global		100

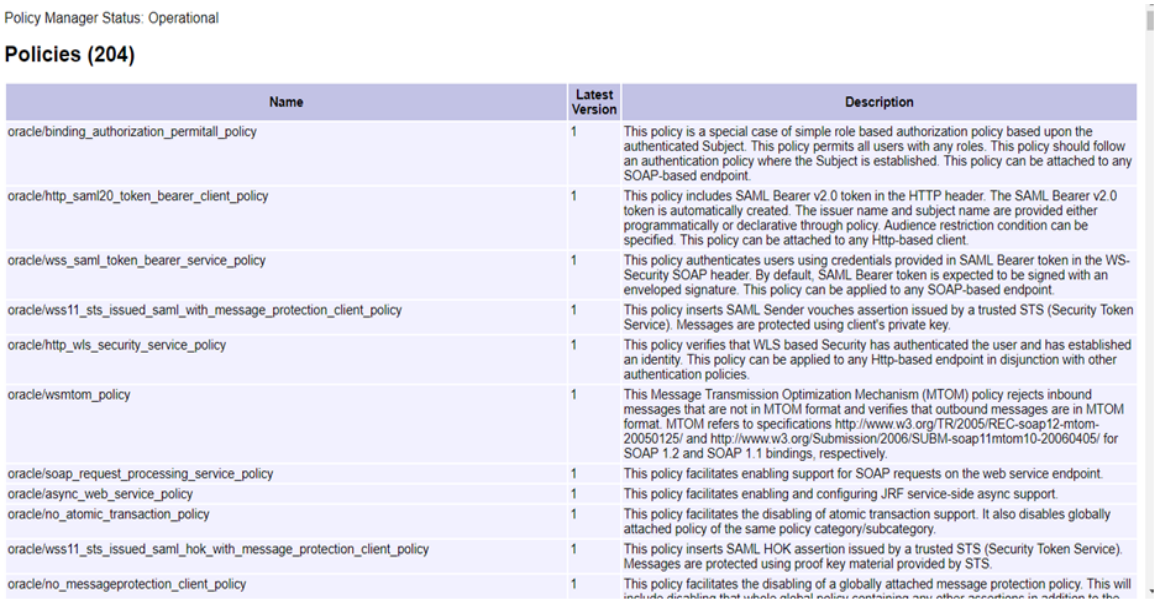
4. In EM console (<UI_IP>:<UI_ADMIN_PORT>/em), check the status of:
   - Cluster
   - Managed Servers
   - Applications

Figure 11–3 UI EM Console Status Check



5. In (<UI_IP>:<UI_ADMIN_PORT>/wsm-pm/validator) and (<UI_IP>:<UI_MANAGED_PORT>/ wsm-pm/validator) screens, all policies must appear.

Figure 11–4 UI Admin wsm-pm Validator

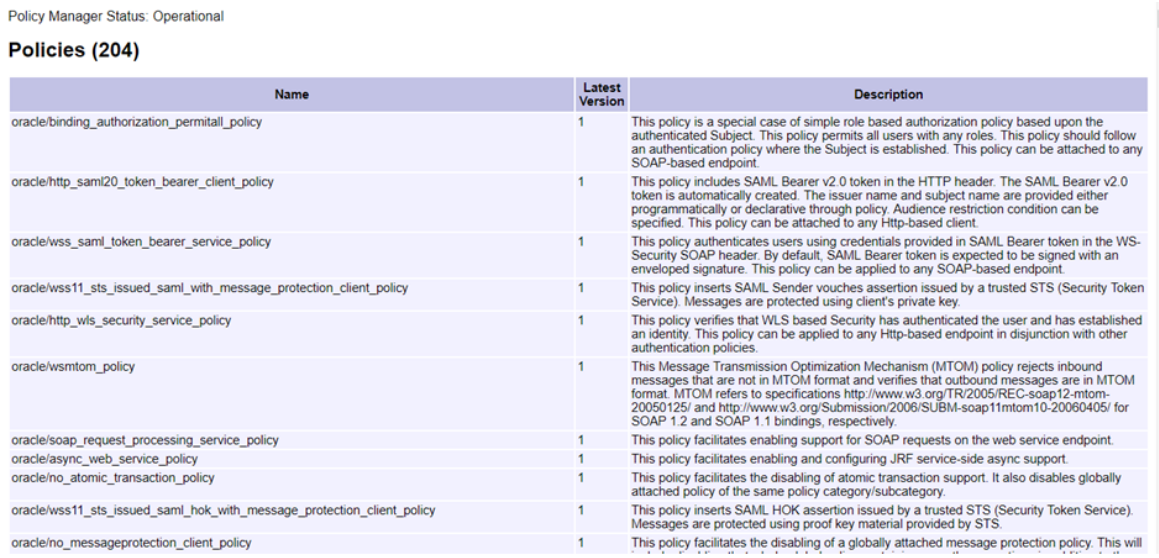


Policy Manager Status: Operational

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 disjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-mtom-20050125/ and http://www.w3.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
oracle/soap_request_processing_service_policy	1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
oracle/async_web_service_policy	1	This policy facilitates enabling and configuring JRF service-side async support.
oracle/no_atomic_transaction_policy	1	This policy facilitates the disabling of atomic transaction support. It also disables globally attached policy of the same policy category/subcategory.
oracle/wss11_sts_issued_saml_hok_with_message_protection_client_policy	1	This policy inserts SAML HOK assertion issued by a trusted STS (Security Token Service). Messages are protected using proof key material provided by STS.
oracle/no_messageprotection_client_policy	1	This policy facilitates the disabling of a globally attached message protection policy. This will

Figure 11–5 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 disjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-mtom-20050125/ and http://www.w3.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
oracle/soap_request_processing_service_policy	1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
oracle/async_web_service_policy	1	This policy facilitates enabling and configuring JRF service-side async support.
oracle/no_atomic_transaction_policy	1	This policy facilitates the disabling of atomic transaction support. It also disables globally attached policy of the same policy category/subcategory.
oracle/wss11_sts_issued_saml_hok_with_message_protection_client_policy	1	This policy inserts SAML HOK assertion issued by a trusted STS (Security Token Service). Messages are protected using proof key material provided by STS.
oracle/no_messageprotection_client_policy	1	This policy facilitates the disabling of a globally attached message protection policy. This will

11.2 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 OBPM 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.client.or
  - ob.app.client.indirectlending
  - ob.app.host.communications
  - ob.app.host.cz
  - ob.app.host.fw
  - ob.app.host.party
  - ob.app.host.sh
  - ob.app.host.tp
  - ob.app.host.tp.cz
  - ob.app.integration
- Ears
  - com.ofss.fc.app.connector
  - com.ofss.fc.app.monitoring
  - com.ofss.fc.messaging.party
  - com.ofss.fc.middleware.party
  - com.ofss.fc.webservices.party

Figure 11–6 Host WebLogic Console

	ob.app.client.coll(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.client.communications(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.client.cz(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.client.deposit(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.client.fw(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.client.indirectlending(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.client.lcm(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.client.lending(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.client.or(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.client.party(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.client.pm(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.client.pricing(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.client.sh(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.host.communications(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.host.cz(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.host.fw(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.host.party(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.host.sh(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.host.tp(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.host.tp.cz(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100
	ob.app.integration(2.7.0.0.0,2.7.0.0.0)	Active		Library	obpmhost_cluster1	Global		100

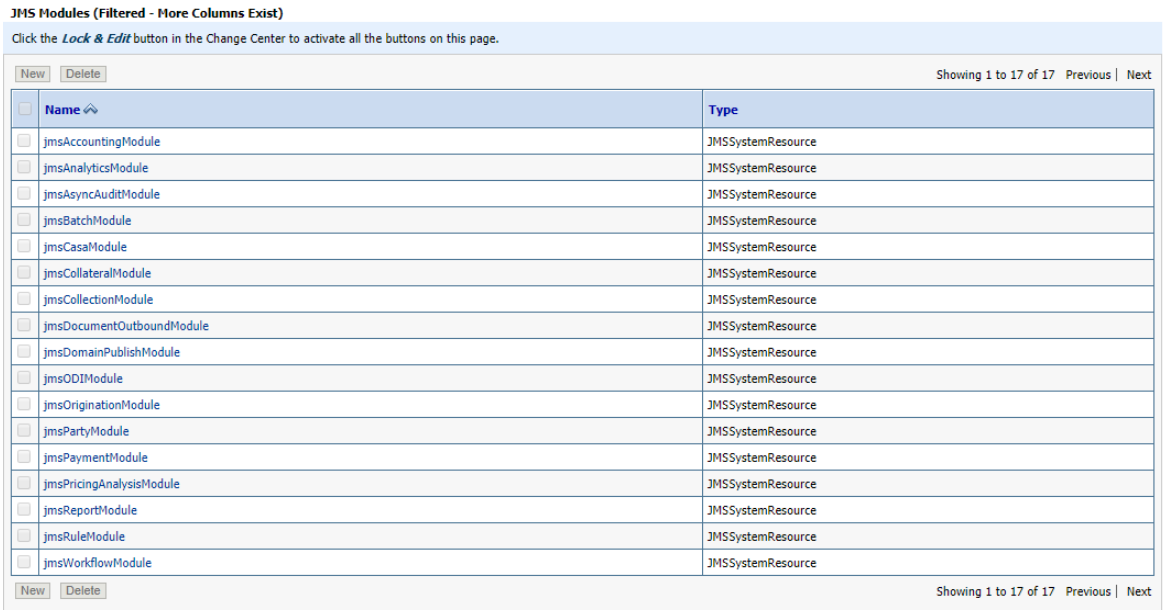
Figure 11–7 Host WebLogic Console

com.ofss.fc.app.connector	Active	OK	Enterprise Application	obpmhost_cluster1	Global		80
com.ofss.fc.app.monitoring	Active	OK	Web Application	obpmhost_cluster1	Global		100
com.ofss.fc.messaging.party	Active	OK	Enterprise Application	obpmhost_cluster1	Global		100
com.ofss.fc.middleware.party	Active	OK	Enterprise Application	obpmhost_cluster1	Global		100
com.ofss.fc.webservices.party	Active	OK	Enterprise Application	obpmhost_cluster1	Global		100

JMS Modules

The following JMS Modules are created during host installation:

Figure 11–8 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

Name	Type
jmsAccountingModule	JMSSystemResource
jmsAnalyticsModule	JMSSystemResource
jmsAsyncAuditModule	JMSSystemResource
jmsBatchModule	JMSSystemResource
jmsCasaModule	JMSSystemResource
jmsCollateralModule	JMSSystemResource
jmsCollectionModule	JMSSystemResource
jmsDocumentOutboundModule	JMSSystemResource
jmsDomainPublishModule	JMSSystemResource
jmsODIModule	JMSSystemResource
jmsOriginationModule	JMSSystemResource
jmsPartyModule	JMSSystemResource
jmsPaymentModule	JMSSystemResource
jmsPricingAnalysisModule	JMSSystemResource
jmsReportModule	JMSSystemResource
jmsRuleModule	JMSSystemResource
jmsWorkflowModule	JMSSystemResource

New | Delete — Showing 1 to 17 of 17 Previous | Next

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

Figure 11–9 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_wls_security_service_policy	1	This policy verifies that WLS based Security has authenticated the user and has established an identity. This policy can be applied to any Http-based endpoint in disjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-mtom-20050125/ and http://www.w3.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
oracle/soap_request_processing_service_policy	1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
oracle/no_atomic_transaction_policy	1	This policy facilitates the disabling of atomic transaction support. It also disables globally attached policy of the same policy category/subcategory.
oracle/wss11_sts_issued_saml_hok_with_message_protection_client_policy	1	This policy inserts SAML HOK assertion issued by a trusted STS (Security Token Service). Messages are protected using proof key material provided by STS.
oracle/async_web_service_policy	1	This policy facilitates enabling and configuring JRF service-side async support.
oracle/no_messageprotection_client_policy	1	This policy facilitates the disabling of a globally attached message protection policy. This will

Figure 11–10 HOST managed wsm-pm validator

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.

11.3 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 OBPM 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.app.client.indirectlending
- 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
- ob.ui.indirectlending

■ 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.CapturePartyFinancialHumanTask
- com.ofss.fc.workflow.ui.common.approval

- com.ofss.fc.workflow.ui.hardshiprelief
- com.ofss.fc.workflow.ui.PartyMerge

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

Figure 11–11 SOA WebLogic Console

ob.app.client.coll(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.app.client.communications(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.app.client.cz(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.app.client.deposit(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.app.client.fw(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.app.client.indirectlending(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.app.client.lcm(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.app.client.lending(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.app.client.or(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.app.client.party(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.app.client.pm(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.app.client.pricing(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.app.client.sh(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.coll(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.communications(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.cz(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.deposit(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.fusion(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.indirectlending(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.lcm(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.lending(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.or(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.party(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.pm(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.pricing(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.sh(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.tp(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100
ob.ui.tp.cz(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphumantask_cluster1	Global		100

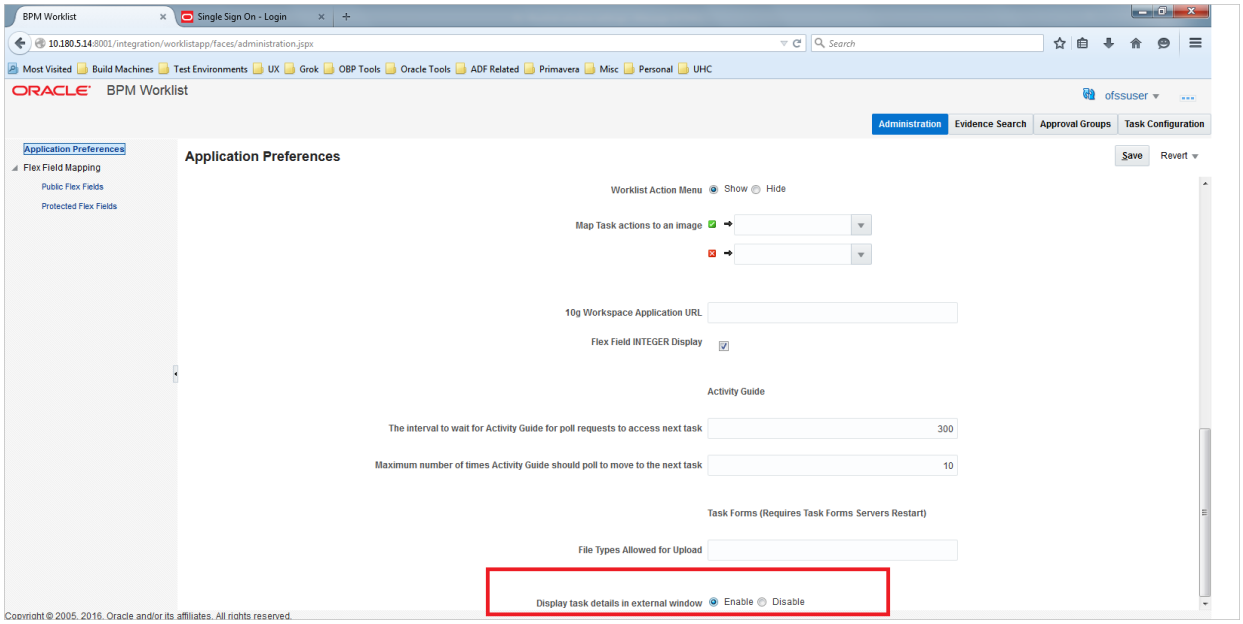
Figure 11–12 SOA WebLogic Console

com.ofss.fc.app.ui.connector	Active	OK	Enterprise Application	obphumantask_cluster1	Global		80
com.ofss.fc.ui.view.mds	Active	OK	Enterprise Application	obphumantask_cluster1	Global		100
com.ofss.fc.workflow.ui.batchexceptionrecovery	Active	OK	Enterprise Application	obphumantask_cluster1	Global		100
com.ofss.fc.workflow.ui.brop	Active	OK	Enterprise Application	obphumantask_cluster1	Global		100
com.ofss.fc.workflow.ui.CapturePartyFinancialsHumanTask	Active	OK	Enterprise Application	obphumantask_cluster1	Global		100
com.ofss.fc.workflow.ui.common.approval	Active	OK	Enterprise Application	obphumantask_cluster1	Global		100
com.ofss.fc.workflow.ui.hardshiprelief	Active	OK	Enterprise Application	obphumantask_cluster1	Global		100
com.ofss.fc.workflow.ui.PartyMerge	Active	OK	Enterprise Application	obphumantask_cluster1	Global		100

11.4 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 11–13.

Figure 11–13 BPM Worklist Window Settings



12 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 Party Management.

12.1 OBPM 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 OBPM 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 12–1 SOA Domain Error

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.

12.2 OBPM Security Policy Seeding

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

12.3 OBPM 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 OBPM 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 OBPM Host installation in which once the post install script for OBPM host has secured itself against a LDAP (OID/OVD) it proceeds to restart the OBPM 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 conclusive enough to point out the root cause). The 'obp-*' logs created in the OBPM Host domain would indicate an incomplete attempt by post install script to start the admin server.

You can check the admin server logs (to find why the admin server could not start) which will ultimately yield out the actual reasons (in this case the reason being host machine was unable to connect to LDAP).

stderr log, WebLogic Domain Managed Server logs, OFSS logs

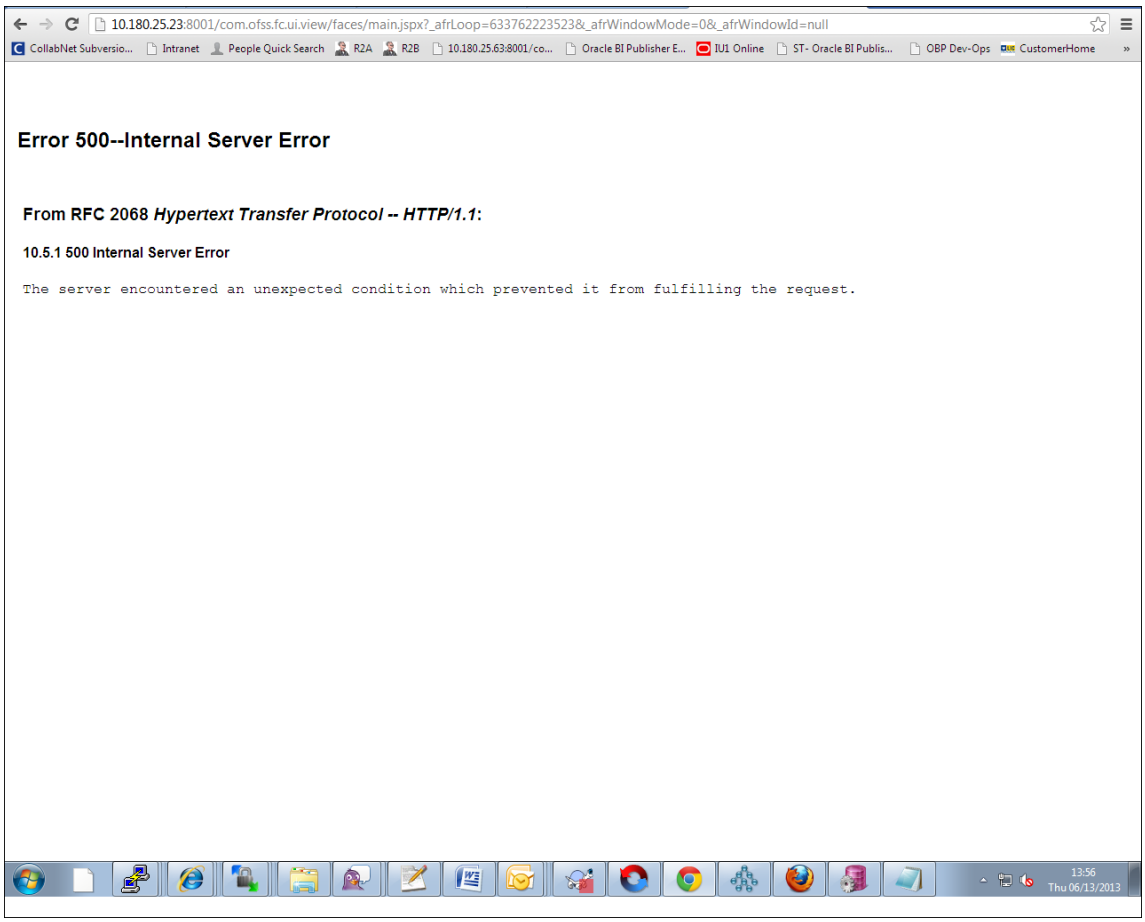
Once the post install script is completed successfully, you can start the domain servers and enter a dummy transaction to check the system correctness. If you face an error you can inspect the stderr log, the WebLogic domain managed server logs as well as the ofss logs under domain directory.

When you start the managed servers post installation, there may occur a lot of error printing in startup logs that you can ignore. However, ensure that the status of the applications deployed on the components is active and the server is in running mode. Even if there are errors during startup of the managed server, you can login to the application successfully.

12.4 Error on First Log in

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

Figure 12–2 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.

12.5 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.

12.6 SOA Setup in Cluster

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

12.6.1 "COMPONENTTYPE": invalid identifier error

Due to one of the one-off patches for SOA applied during the OBPM installation, in SOA cluster environment, the following error might be seen in SOA server logs.

```
Internal Exception: java.sql.SQLSyntaxErrorException: 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));
```

12.7 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.DocumentBuilderFactoryImp

   l -Djavax.xml.transform.TransformerFactory=com.sun.org.apache.xalan.internal.xsltc.trax.TransformerFactoryImpl

   -Djavax.xml.parsers.SAXParserFactory=com.sun.org.apache.xerces.internal.jaxp.SAXParserFactoryImpl

   And jps-config.xml

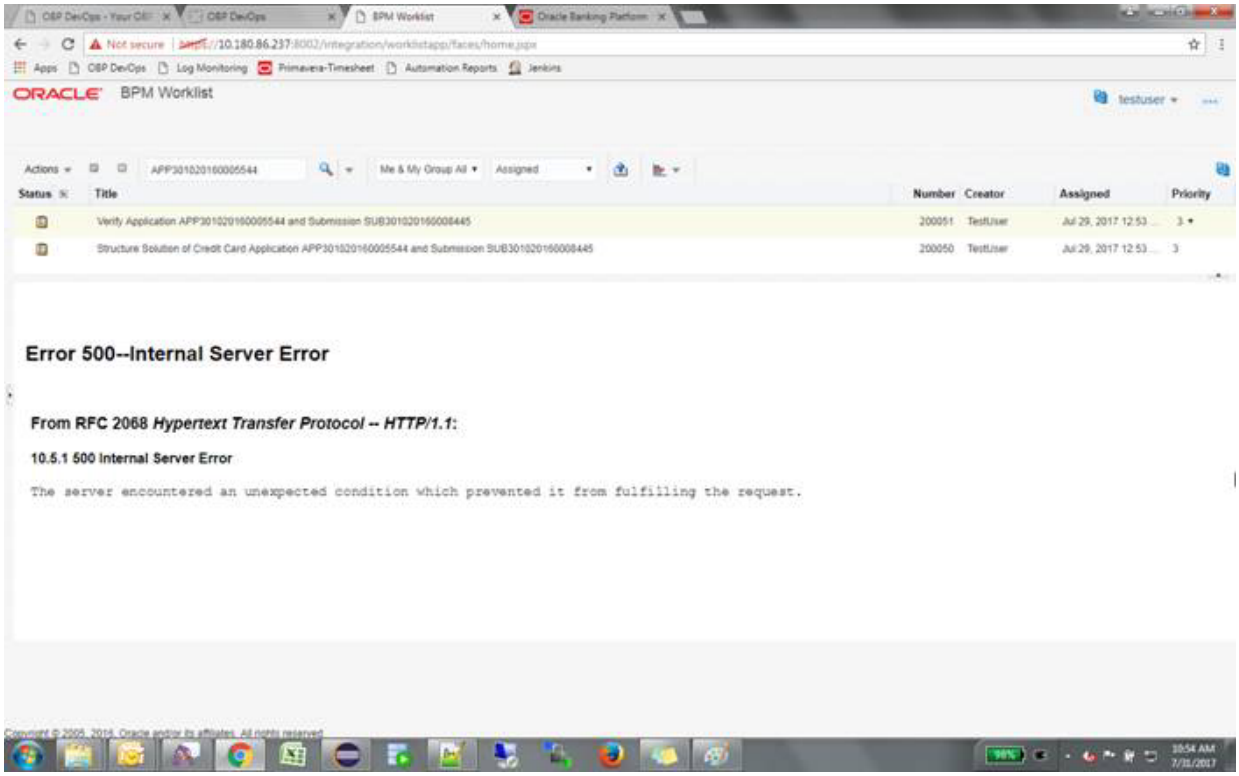
   <property name="trust.keystoreType" value="KSS"/>

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

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

2. Restart it.

Figure 12–3 BPM Worklist Task issue



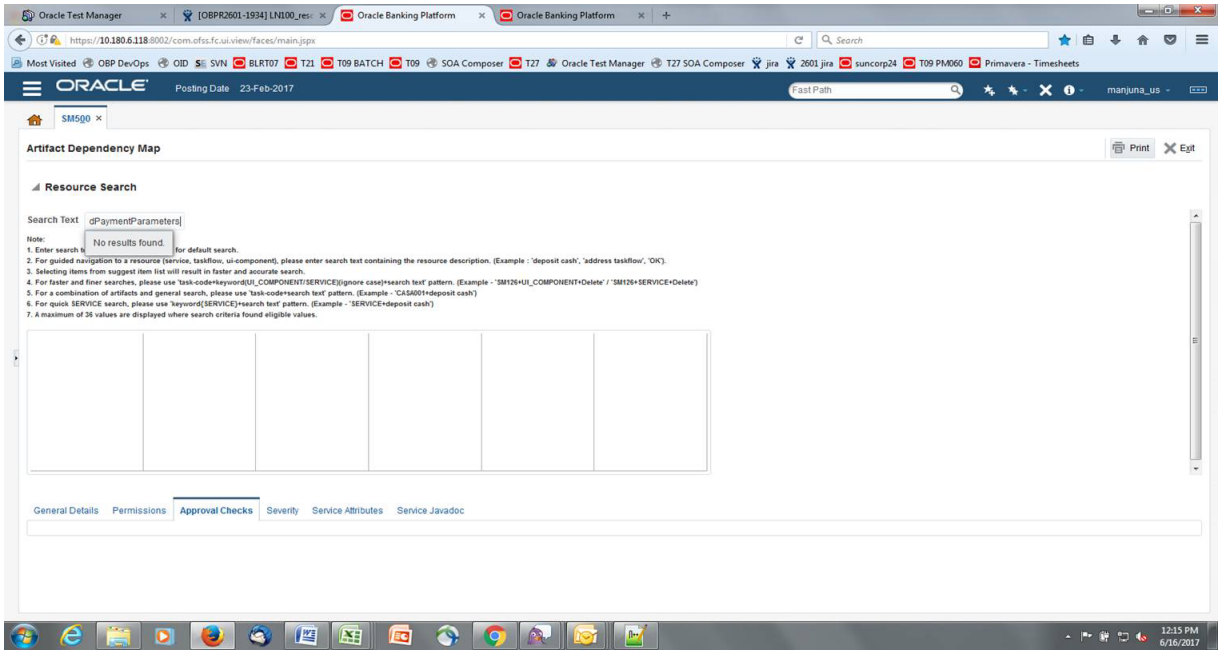
12.8 Artifacts Issue for SM500 page

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 12–4 Artifacts Issue for SM500 page



12.9 ra/FCRJConnectorSOA connector issue

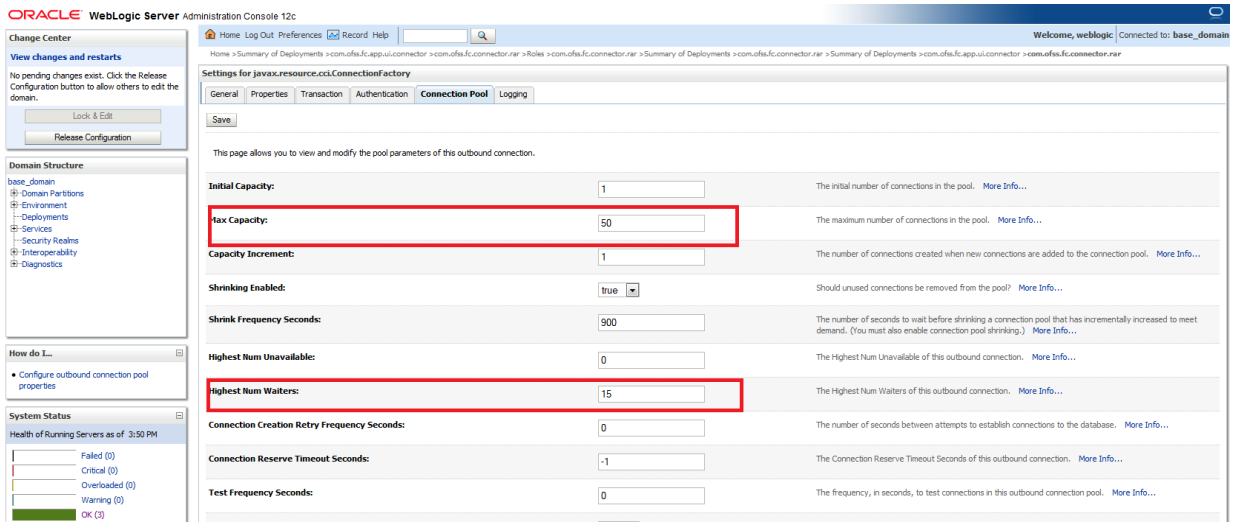
If below mentioned error is faced on Humantask server, configuration shown in the below figure has to be done to resolve issue.

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 12–5 Settings for javax.resource.cci.ConnectionFactory page



12.10 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

13 Uninstalling the Application

This chapter explains the process of uninstalling the Oracle Banking Party Management.

13.1 Manual Uninstall

Currently an installed OBPM 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 Party Management related database schemas run the RCU utility and choose the **Drop** option.