

Oracle® Banking Enterprise Default Management

US Localization Installation Guide - Silent Installation

Release 2.11.0.0.0

F36758-01

December 2020

Oracle Banking Enterprise Default Management US Localization Installation Guide - Silent Installation, Release 2.11.0.0.0

F36758-01

Copyright © 2017, 2020, Oracle and/or its affiliates.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software" or "commercial computer software documentation" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

Preface	12
Audience	12
Documentation Accessibility	12
Organization of the Guide	12
Related Documents	13
Conventions	14
1 Getting Started	16
1.1 About Oracle Banking Enterprise Default Management	16
1.2 About This Document	16
1.3 Assumptions	16
1.4 Limitations	17
1.5 Exclusions	17
2 Pre-Installation Configuration	18
2.1 Setup Prerequisites	18
2.1.1 Hardware Environment	18
2.1.2 Software Environment	18
2.1.2.1 Certification Details	18
2.2 Installation Checklist	20
2.2.1 Updating installobp***.properties	21
2.2.2 Database and WebLogic Domain Configuration	41
2.3 OID Schema Setup – Custom OBEDM Schema	42
2.3.1 Prerequisite – OID setup	42
2.3.2 Verify the OID installation	42
2.3.2.1 Start and Verify the OID processes	42

2.3.2.2 OPSS/OID Performance Tuning	43
2.3.2.3 Import OBEDM Specific LDIF files	49
2.3.2.4 Verify the import using ODSM or JXplorer	51
3 OBEDM US Localization Host Media Pack Installation	54
3.1 Installation and Configuration Procedure	54
3.1.1 Preparatory Steps	54
3.1.2 Pre-Installation Steps	54
3.1.3 Installation Steps	55
3.2 Post Installation Configuration	65
4 OBEDM US Localization Presentation Media Pack Installation	74
4.1 Installation and Configuration Procedure	74
4.1.1 Preparatory Steps	74
4.1.2 Pre-Installation Steps	74
4.1.3 Installation Steps	75
4.2 Post Installation Configuration	80
5 Standalone Database Setup	86
5.1 Pre-Installation Steps	86
5.2 OBEDM Database Setup – RCU Installation	86
5.3 OBEDM Database Installation	87
5.3.1 Host DB Schema Creation and Verification	87
5.3.2 HOST DB schema ddl execution	87
5.3.3 HOST DB Schema Seeding	87
5.3.4 System Configuration DB Update Script Execution	88
6 OBEDM and IPM Integration	90
6.1 IPM Application Setup for OBEDM Content Management	90
6.1.1 UCM Connection	90

6.1.2 Main Application Configuration	97
6.1.2.1 Manage Application Configuration	97
6.1.2.2 Manage Searches	103
6.1.3 Temp Application Configuration	110
6.1.3.1 Manage Application Configuration	110
6.1.3.2 Manage Searches	116
6.2 IPM Report Upload Setup	124
6.2.1 Prerequisites	124
6.2.2 Setting up the Connection Name	124
6.2.3 Setting up Input Agent Path	129
6.2.4 Manage Application Configuration	131
6.2.5 Manage Inputs for Input Agents	140
6.2.6 Manage Searches	145
7 Monitoring Servers Using Oracle Enterprise Manager	154
8 Post Installation Verification	156
8.1 UI Domain Verification	156
8.2 Host Domain Verification	159
9 Errors and Remedies	164
9.1 OBEDM Security Policy Seeding	164
9.2 OBEDM Domain Post Installation	164
9.3 Error on First Log in	164
9.4 Login Issues	165
9.5 Artifacts Issue for SM500 page	165
10 Uninstalling the Application	168
10.1 Manual Uninstall	168

List of Figures

Figure 2–1 JXplorer	52
Figure 3–1 Steps in installobphost.sh script	56
Figure 3–2 Verification of Properties	57
Figure 3–3 Verification of Properties (contd)	57
Figure 3–4 Verification of Properties (contd)	58
Figure 3–5 Verification of Properties (contd)	58
Figure 3–6 Confirmation and Copying of Installables to Target Machine	59
Figure 3–7 Confirmation and Copying of Installables to Target Machine (contd)	60
Figure 3–8 Confirmation and Copying of Installables to Target Machine (contd)	60
Figure 3–9 Domain Installation Confirmation	61
Figure 3–10 Untar the policyStoreSetup and Copy on destination location	61
Figure 3–11 Untar the policyStoreSetup and Copy on destination location (contd)	62
Figure 3–12 Untar the policyStoreSetup and Copy on destination location (contd)	63
Figure 3–13 Policy Seeding	64
Figure 3–14 Policy Seeding (contd)	65
Figure 3–15 Host Domain Admin Server Credentials	66
Figure 3–16 Host Domain Post Installation Script Execution	67
Figure 3–17 Host Domain Post Installation Script Execution (contd)	68
Figure 3–18 Host Domain Post Installation Script Execution (contd)	69
Figure 3–19 Host Domain Post Installation Script Execution (contd)	70
Figure 3–20 Host Domain Post Installation Script Execution Summary	71
Figure 4–1 Steps in installobpui.sh script	75
Figure 4–2 Confirmation to Proceed Domain Installation	76
Figure 4–3 Confirmation to Proceed Domain Installation (contd)	77

Figure 4–4 Confirmation to Proceed Domain Installation (contd)	77
Figure 4–5 Copying and Extraction of obpininstall-ui.zip	78
Figure 4–6 Copying and Extraction of obpininstall-ui.zip (contd)	79
Figure 4–7 Domain Creation Confirmation	80
Figure 4–8 UI Admin Server Credentials	81
Figure 4–9 UI Admin Server Running	81
Figure 4–10 UI Admin Server Running (contd)	82
Figure 4–11 Starting Post Installation	82
Figure 4–12 Starting Post Installation (contd)	83
Figure 4–13 Continuation of Post-Installation	83
Figure 4–14 Continuation of Post-Installation (contd)	83
Figure 5–1 Enable Local Policy Store	88
Figure 5–2 Enable Local Role Based Menu	89
Figure 6–1 IPM Imaging Console - Login page	91
Figure 6–2 IPM - Welcome page	92
Figure 6–3 Create Content Server Connection	93
Figure 6–4 UCM: Basic information	94
Figure 6–5 UCM: Connection Settings	95
Figure 6–6 UCM: Connection Security	96
Figure 6–7 UCM: Review Settings	97
Figure 6–8 Main: General Properties	98
Figure 6–9 Main: Field Definitions	99
Figure 6–10 Field Definitions (cont.)	99
Figure 6–11 Main: Application Security	100
Figure 6–12 Main: Document Security	101
Figure 6–13 Main: Storage Policy	102

Figure 6–14 Main: Review Settings	103
Figure 6–15 Main: Properties	104
Figure 6–16 Main: Results Formatting	105
Figure 6–17 Main: Conditions	106
Figure 6–18 Main: Parameters	107
Figure 6–19 Main: Search Security	108
Figure 6–20 Main: Preview and Test	109
Figure 6–21 Main: Review Settings	110
Figure 6–22 Temporary: General Properties	111
Figure 6–23 Temporary: Field Definitions	112
Figure 6–24 Temporary: Application Security	113
Figure 6–25 Temporary: Document Security	114
Figure 6–26 Temporary: Storage Policy	115
Figure 6–27 Temporary: Review Settings	116
Figure 6–28 Temporary: Properties	117
Figure 6–29 Temporary: Results Formatting	118
Figure 6–30 Temporary: Conditions	119
Figure 6–31 Temporary: Parameters	120
Figure 6–32 Temporary: Search Security	121
Figure 6–33 Temporary: Preview and Test	122
Figure 6–34 Temporary: Review Settings	123
Figure 6–35 Log in to Enterprise Manager (EM) console	124
Figure 6–36 Click Weblogic Domain: ipm domain	125
Figure 6–37 Navigate to Weblogic Domain --> Security --> Credentials	126
Figure 6–38 Create Map oracle.wsm.security	127
Figure 6–39 Create Key: basic.credentials	128

Figure 6–40 ipm_domain: Credentials Created	129
Figure 6–41 Navigate to Weblogic Domain --> System MBean Browser	130
Figure 6–42 InputDirectories: Enter Input Agent Path	131
Figure 6–43 Create Application: General Properties	132
Figure 6–44 Report: Field Definitions	133
Figure 6–45 Create Application: Applications Security	134
Figure 6–46 Create Application: Document Security	135
Figure 6–47 Create Application: Storage Policy	136
Figure 6–48 Report: Workflow Configuration - Server Properties	137
Figure 6–49 Report: Workflow Configuration - Component Properties	138
Figure 6–50 Report: Application Summary	139
Figure 6–51 Create Application: Review Settings	140
Figure 6–52 Manage Inputs	141
Figure 6–53 Input Agent Details: Input Mask	142
Figure 6–54 Input Agent Details: Field Mapping	143
Figure 6–55 Input Agent Details: Security	144
Figure 6–56 Input Agent Details: Review Settings	145
Figure 6–57 Create Search: Properties	146
Figure 6–58 Create Search: Results Formatting	147
Figure 6–59 Create Search: Conditions	148
Figure 6–60 Create Search: Parameters	149
Figure 6–61 Create Search: Security	150
Figure 6–62 Create Search: Preview and Test	151
Figure 6–63 Create Search: Review Settings	152
Figure 8–1 UI Weblogic Console	157
Figure 8–2 UI Weblogic Console	158

Figure 8–3 UI EM Console Status Check	158
Figure 8–4 UI Admin wsm-pm Validator	159
Figure 8–5 UI managed wsm-pm validator	159
Figure 8–6 Host WebLogic Console	161
Figure 8–7 Host WebLogic Console	161
Figure 8–8 Host WebLogic Console	162
Figure 8–9 HOST admin wsm-pm validator	162
Figure 8–10 HOST managed wsm-pm validator	163
Figure 9–1 Error on First Log In	165
Figure 9–2 Artifacts Issue for SM500 page	166

List of Tables

Table 2–1 Hardware and OS	18
Table 2–2 List of Software	18
Table 2–3 Notes	19
Table 2–4 Values for updating installobp***.properties - For HOST	21
Table 2–5 Values for updating installobp***.properties - For UI	33
Table 2–6 Oracle Banking Enterprise Default Management DB and WebLogic Domain Configuration	41
Table 2–7 Parameter Values to be Changed	43
Table 2–8 Suggested values for Tuning and Alter Command	44
Table 2–9 Properties	48
Table 2–10 Order of Execution	50

Preface

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

This preface contains the following topics:

- [Audience](#)
- [Documentation Accessibility](#)
- [Organization of the Guide](#)
- [Related Documents](#)
- [Conventions](#)

Audience

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

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

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 Enterprise Default Management and the installation guide. It also mentions the assumptions, limitations and exclusions that this document has been based upon.

[Chapter 2 Pre-Installation Configuration](#)

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

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

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

Chapter 4 OBEDM US Localization Presentation Media Pack Installation

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

Chapter 5 Standalone Database Setup

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

Chapter 6 OBEDM and IPM Integration

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

Chapter 7 Monitoring Servers Using Oracle Enterprise Manager

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

Chapter 8 Post Installation Verification

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

Chapter 9 Errors and Remedies

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

Chapter 10 Uninstalling the Application

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

Related Documents

For more information, see the following documentation:

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

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
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
OBEDM	Oracle Banking Enterprise Default Management
OEL	Oracle Enterprise Linux
OEM	Oracle Enterprise Manager
OID	Oracle Internet Directory
OIM	Oracle Identity Manager
RCU	Repository Creation Utility
sh	Unix Shell file
SVN	Source Code Version Repository
UI	User Interface, that is Presentation Tier
WLS	WebLogic Server

1 Getting Started

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

1.1 About Oracle Banking Enterprise Default Management

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

1.2 About This Document

This document guides you through the installation of the Oracle Banking Enterprise Default Management along with US localization. This document guides in deploying the following parts of the application:

- Presentation Server (ADF Presentation UI deployment on WebLogic)
- Application Server (Banking Services hosted on WebLogic)
- Security Configuration (Seeding security to OID)
- Seed Data Configuration (Seeding data to Core banking OLTP Database Server)

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

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

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

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

1.3 Assumptions

It is assumed that the reader is aware of the technologies involved and is capable of installing the prerequisite software products mentioned in [Section 2.1.2 Software Environment](#).

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

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

1.4 Limitations

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

1.5 Exclusions

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

2 Pre-Installation Configuration

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

2.1 Setup Prerequisites

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

2.1.1 Hardware Environment

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

Table 2–1 Hardware and OS

Sr. No.	CPU (2+GHz)	RAM (GB)	Disk (GB)	OS Version	Purpose
1	4	16	200	OEL 7.5 64 bit	OBEDM Oracle Database
2	4	32	200	OEL 7.5 64 bit	OBEDM ADF UI Presentation Server
3	4	32	200	OEL 7.5 64 bit	OBEDM Services Middleware Host Server
4	2	16	200	As per OID certification matrix.	Oracle OID Server
5	2	16	200	As per IPM certification matrix.	Oracle IPM Server

2.1.2 Software Environment

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

2.1.2.1 Certification Details

The following software are mandatory:

Table 2–2 List of Software

Sr. No.	Components	Zone	Software
1	OBEDM UI Presentation	Banking App	Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_231)

Sr. No.	Components	Zone	Software
			Oracle Linux 7.5 64-bit
2	OBEDM HOST	Banking App	Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Oracle Database 19c Enterprise Edition Release 19.8 Java Version jdk1.8.0_xx (jdk1.8.0_231) Oracle Linux 7.5 64-bit
3	OID	Security	Oracle Internet Directory 12.2.1.4.0 Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_231) Oracle Linux 7.5 64-bit
4	IPM	Document	Oracle WebCenter - Content 12.2.1.4.0 Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_231) Oracle Linux 7.5 64-bit
5	OIM	Security	Oracle Identity Manager 12.2.1.4.0 Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_231) Oracle Linux 7.5 64-bit
6	OAM	Security	Oracle Access Manager 12.2.1.4.0 Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_231) Oracle Linux 7.5 64-bit
7	OEM	Management	Oracle Enterprise Manager 13.2.0.0.0 As per certification matrix of Oracle Enterprise Manager 13.2.0.0.0
8	EM Agent Installation	Management	Push from OEM Console
9	OBEDM Database	Database	Oracle Database 19c Enterprise Edition Release 19.8 Oracle Linux 7.5 64-bit
10	HTTP Server	Web Server	Oracle HTTP Server 12.2.1.4.0

The following are some notes related to the software.

Table 2–3 Notes

Serial Number	Description
1	OBEDM release has been certified with OEL version 7.5 during the release cycle. It is strongly recommended to use the versions on which the release is certified.
2	The OBEDM installer will not abort the installation if this component is not present. It can be installed later.

Serial Number	Description
	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.
3	<p>OIM_OUTBOUND_USERNAME and OIM_OUTBOUND_PASSWORD</p> <p>The OBEDM installer will not abort the installation if this component is not present. It can be installed later.</p> <p>It is recommended to use the actual property values instead of default property values during the installation. Else, these properties have to be manually updated in Host Database. Also, actual values for OIM_OUTBOUND_USERNAME and OIM_OUTBOUND_PASSWORD once available have to be manually updated in the 'ra/FCRJConnectorOIM' jndi property of com.ofss.fc.app.connector.ear application inside middleware host server after the entire installation completes.</p>
4	Oracle Access Manager can be installed later.
5	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.
6	It is mandatory for machine nodes on which OBEDM UI and Host Media pack installation is planned, to install the Java Cryptography Extensions Unlimited Strength Jurisdiction Policy Files, to enable additional encryption strengths.
7	<p>Download the jce_policy.zip from Oracle website for the current Java version being used. For jdk1.8.0_xx, download Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy Files 8 jce_policy-8.zip from the below link:</p> <p>https://www.oracle.com/technetwork/java/javase/downloads/jce-all-download-5170447.html</p> <p>Copy “local_policy.jar” and “US_export_policy.jar” from inside this zip file in the path mentioned below.</p> <p>JAVA_HOME/jre/lib/security/</p>
8	<p>It is mandatory that the team installing OBEDM reads and understands the system requirements and specifications for the fusion middleware specified in the following link:</p> <p>https://docs.oracle.com/en/middleware/fusion-middleware/12.2.1.4/sysrs/system-requirements-and-specifications.html#GUID-B648EA24-ABB4-42CA-B8F2-4B535D5EC8DB</p> <p>The url details the system and platform-specific information for Oracle Fusion Middleware 12c Release 1 (12.2.1.4.0) products.</p> <p>Changes necessary at a system level for the fusion middleware should be made prior to executing OBEDM media packs.</p> <p>For example, the number of open files should be increased from the default value as specified in the following link:</p> <p>https://docs.oracle.com/en/middleware/fusion-middleware/12.2.1.4/sysrs/system-requirements-and-specifications.html#GUID-F800C79F-A8CA-4A80-A4E9-97BC8E264889</p>

2.2 Installation Checklist

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

<https://docs.oracle.com/en/middleware/fusion-middleware/12.2.1.4/sysrs/system-requirements-and-specifications.html#GUID-67E44706-637A-4695-9925-E48936C8F461>

The link details the system and platform-specific information for Oracle Fusion Middleware 12c Release 1 (12.2.1.4.0) products.

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

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

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

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

2.2.1 Updating installobp***.properties

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

Table 2–4 Values for updating installobp*.properties - For HOST**

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	OID_FARM_AND_POLICY_SEEDING_FLAG	Flag for policy seeding	Y	
4	REMOTE_EXECUTION	Flag for executing installer remotely	Y	
5	SECURITY_ENABLED	Flag for security enable	Y	
6	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	
7	LOCAL_DISPLAY_VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
8	DOMAIN_NAME	Weblogic Domain name	host_domain or ui_domain	Can give any

Sr. No	Name	Description	Example Value	Value
				logical name
9	XD_COMPONENT_NAME	XD Component value	batchhost	This will be always batchhost
10	LOCALIZATION_TYPE	Type of localization	US	Depends on localization type
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	welcome1	

2.2 Installation Checklist

Sr. No	Name	Description	Example Value	Value
		password of admin user of the OID		
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.	ou=obp,cn=Users,dc=in,dc=oracle,dc=com	
27	NODE_MGR_PORT	Refers to the port number to be used for the weblogic node manager. This port should either be free on the UI Presentation server or an existing weblogic node manager should be installed to listen on this port when the same is started.	5556	
28	HOST_CLUSTER_NAME	Refers to HOST cluster name	obphost_cluster1	Can give any logical name
29	HOST_SERVER_NAME	Refers to HOST server name	obphost_server1	Can give any logical name
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_231	
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_231	

Sr. No	Name	Description	Example Value	Value
32	CENTRAL_INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oralInventory	
33	HOST_IP	I/P address of the server on which the OBP host or middleware layer should be installed.	10.180.84.110(Always use i/p , don't use localhost)	
34	HOST_TARGET	Refers to a location on the Host server where the installable can be transferred. The user id used for installation of OBP should have read, write and execute privileges on this directory.	/scratch/install/target	
35	HOST_MW_HOME	Refers to the middleware home of the weblogic installation on the Host server.	/scratch/app/product/fmw	
36	UI_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of UI Admin server	10.180.84.111	
37	UI_ADMIN_SERVER_LISTEN_PORT	Listen port of UI Admin server	7001	
38	UI_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of UI managed server	10.180.84.111	
39	UI_MANAGED_SERVER_LISTEN_PORT	Listen port of UI managed server	8001	
40	UI_MANAGED_SERVER_SSL_LISTEN_PORT	Listen ssl port of UI managed server	8002	
41	UI_IP	I/P address of the server on which the OBP presentation or UI layer should be installed.	10.180.84.111	
42	UI_UNIX_USER	Linux login user id used to install the OBP UI solution.	ofssobp	

2.2 Installation Checklist

Sr. No	Name	Description	Example Value	Value
43	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	
44	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
45	IPM_UNIX_USER	Linux login user id for IPM server	ofssobp	
46	IPM_SERVER_IP	IP of Oracle Image and Processing Server for OBP Content Management	10.180.84.114	
47	IPM_SERVER_PORT	Port of Oracle Image and Processing Server for OBP Content Management	16000	
48	IPM_MW_HOME	Oracle weblogic Home directory on IPM server	/scratch/app/product/fmw	
49	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
50	OBP_HOST_DB_USER	OBP Host database user/schema	OBEDMUS211	
51	OBP_HOST_DB_PASSWORD	OBP Host database password	welcome1	
52	OBP_HOST_DB_IP	OBP Host database i/p address	10.180.84.113	
53	OBP_HOST_DB_PORT	OBP Host database port	1521	
54	OBP_HOST_DB_SERVICE_NAME	OBP Host database service name	P84113A	
55	ONS_NODE	i/p address of ONS service	10.180.84.113	
56	ONS_PORT	Listen port of ONS service	6200	
57	OPSS_HOST_SCHEMA_USER	HOST OPSS Host schema user	COLLMW_OPSS	

Sr. No	Name	Description	Example Value	Value
58	OPSS_HOST_AUDIT_DBDS	HOST OPSS Audit schema name	COLLMW_IAU_APPEND	
59	OPSS_HOST_AUDIT_VIEWDS	HOST OPSS Audit View schema name	COLLMW_IAU_VIEWER	
60	OPSS_HOST_SCHEMA_PASSWORD	OPSS Host schema password	welcome1	
61	OPSS_HOST_DB_IP	OPSS Host DB IP	10.180.84.113	
62	OPSS_HOST_DB_PORT	OPSS Host DB Port	1521	
63	OPSS_HOST_DB_SERVICE_NAME	OPSS Host database service name	P84113A	
64	LOCAL_DATASOURCE	STB datasource schema name	COLLMW_STB	
65	WLS_RUNTIME_SCHEMA_USER	WLS runtime datasource schema name	COLLMW_WLS_RUNTIME	
66	MDS_HOST_DB_USER	MDS schema user to be used by UI and Host domain	COLLMW_MDS	
67	MDS_HOST_DB_PASSWORD	MDS schema Password of MDS schema user to be used by UI and Host domain	welcome1	
68	MDS_HOST_DB_IP	MDS DB IP address of MDS schema user to be used by UI and Host domain	10.180.84.113	
69	MDS_HOST_DB_PORT	MDS db port of MDS schema user to be used by UI and Host domain	1521	
70	MDS_HOST_DB_SERVICE_NAME	MDS db service name of MDS schema user to be used by UI and Host domain	P84113A	
71	HOST_ADMIN_JVM_PARAMS	Host domain admin JVM startup parameters	-Xms1024m -Xmx4096m	
72	HOST_MANAGED_	Host domain	Xms8g -Xmx8g -XX:NewSize=2048m	

Sr. No	Name	Description	Example Value	Value
	JVM_PARAMS	managed JVM startup parameters	-XX:MaxNewSize=4096m -XX:+UseParNewGC -XX: +CMSParallelRemarkEnabled - XX:+UseConcMarkSweepGC - XX:CMSInitiatingOccupancyFraction=7 5	
73	KEYSTORE_PASSWORD	Password for generating certificate	welcome1	
74	IPM_OUTBOUND_USERNAME	IPM Username created in connector	weblogic	
75	IPM_OUTBOUND_PASSWORD	Password for the IPM user in connector	weblogic1	
76	BIP_OUTBOUND_USERNAME	BIP Username created in connector	weblogic	
77	BIP_OUTBOUND_PASSWORD	Password for the BIP user in connector	weblogic1	
78	ODI_OUTBOUND_USERNAME	ODI Username created in connector	weblogic	
79	ODI_OUTBOUND_PASSWORD	Password for the ODI user in connector	weblogic1	
80	OIM_OUTBOUND_USERNAME	OIM Username created in connector	weblogic	
81	OIM_OUTBOUND_PASSWORD	Password for the OIM user in connector	weblogic1	
82	WCM_OUTBOUND_USERNAME	WCM Username created in connector	weblogic	
83	WCM_OUTBOUND_PASSWORD	Password for the WCM user in connector	weblogic1	
84	OFFLINE_CHANNEL_OUTBOUND_USERNAME	Offline Username created in connector	offlineuser	

Sr. No	Name	Description	Example Value	Value
85	OFFLINE_CHANNEL_OUTBOUND_PASSWORD	Password for the Offline user in connector	welcome1	
86	SAML_ISSUER_OUTBOUND_USERNAME	SAML ISSUER Username created in connector	weblogic	
87	SAML_ISSUER_OUTBOUND_PASSWORD	Password for the SAML ISSUER user in connector	weblogic1	
88	BPEL_ENCRYPTION_OUTBOUND_USERNAME	BPEL_ENCRYPTION Username created in connector	weblogic	
89	BPEL_ENCRYPTION_OUTBOUND_PASSWORD	Password for the BPEL_ENCRYPTION user in connector	weblogic1	
90	FTP_IPM_OUTBOUND_USERNAME	FTP IPM Username created in connector	weblogic	
91	FTP_IPM_OUTBOUND_PASSWORD	Password for the FTP IPM user in connector	weblogic1	
92	FTP_BIP_OUTBOUND_USERNAME	FTP BIP Username created in connector	weblogic	
93	FTP_BIP_OUTBOUND_PASSWORD	Password for the FTP BIP user in connector	weblogic1	
94	BIP_USR_OUTBOUND_USERNAME	BIP Username created in connector	weblogic	
95	BIP_USR_OUTBOUND_PASSWORD	Password for the BIP user in connector	weblogic1	
96	SOA_PURGING_OUTBOUND_USERNAME	SOA Username created in connector	weblogic	
97	SOA_PURGING_OUTBOUND_PASSWORD	Password for the SOA user in connector	weblogic1	
98	SOA_OUTBOUND_USERNAME	SOA Username created in connector	weblogic	

Sr. No	Name	Description	Example Value	Value
99	SOA_OUTBOUND_PASSWORD	Password for the SOA user in connector	weblogic1	
100	ATMUSER_OUTBOUND_USERNAME	ATM Username created in connector	ATMUser	
101	ATMUSER_OUTBOUND_PASSWORD	Password for the ATM user in connector	welcome1	
102	POSUSER_OUTBOUND_USERNAME	POS Username created in connector	POSUser	
103	POSUSER_OUTBOUND_PASSWORD	Password for the POS user in connector	welcome1	
104	DMSHOST_OUTBOUND_USERNAME	DMS HOST Username created in connector	weblogic	
105	DMSHOST_OUTBOUND_PASSWORD	Password for the DMS HOST user in connector	weblogic1	
106	DMSUI_OUTBOUND_USERNAME	DMS UI Username created in connector	weblogic	
107	DMSUI_OUTBOUND_PASSWORD	Password for the DMS UI user in connector	weblogic1	
108	OCH_OUTBOUND_USERNAME	OCH Username created in connector	weblogic	
109	OCH_OUTBOUND_PASSWORD	Password for the OCH user in connector	weblogic1	
110	WS_MFT_OUTBOUND_USERNAME	WS_MFT Username created in connector	weblogic	
111	WS_MFT_OUTBOUND_PASSWORD	Password for the WS_MFT user in connector	weblogic1	
112	OP_OUTBOUND_USERNAME	OP Username created in connector	weblogic	
113	OP_OUTBOUND_PASSWORD	Password for the OP user in	weblogic1	

Sr. No	Name	Description	Example Value	Value
		connector		
114	ICS_OUTBOUND_USERNAME	Username for ICS connector	weblogic	
115	ICS_OUTBOUND_PASSWORD	Password for ICS connector	Weblogic1	
116	OBDX_OUTBOUND_USERNAME	Username for OBDX connector	1518675030085dean.white@test.com	
117	OBDX_OUTBOUND_PASSWORD	Password for OBDX connector	Welcome@1	
118	CARD_USERNAME	Username of Card connector	orakey	
119	CARD_PASSWORD	Password of Card connector	welcome1	
120	RULE_USERNAME	Username of Rule connector	orakey	
121	RULE_PASSWORD	Password of Rule connector	welcome1	
122	BAM_USERNAME	Username of BAM connector	weblogic	
123	BAM_PASSWORD	Password of BAM connector	weblogic1	
124	COMMON_OUTBOUND_USERNAME	Username for common connector	Weblogic1	
125	COMMON_OUTBOUND_PASSWORD	Password for common connector	Weblogic1	
126	PM_OUTBOUND_USERNAME	Username for PM connector	weblogic	
127	PM_OUTBOUND_PASSWORD	Password for PM connector	weblogic1	
128	LENDING_OUTBOUND_USERNAME	Username for lending connector	weblogic	
129	LENDING_OUTBOUND_PASSWORD	Password for lending connector	weblogic1	
130	DEPOSITS_OUTBOUND_USERNAME	Username for deposits connector	weblogic	

2.2 Installation Checklist

Sr. No	Name	Description	Example Value	Value
13 1	DEPOSITS_OUTBOUND_PASSWORD	Password for deposits connector	weblogic1	
13 2	FW_OUTBOUND_USERNAME	Username for FW connector	weblogic	
13 3	FW_OUTBOUND_PASSWORD	Password for fw connector	weblogic1	
13 4	COLLECTION_OUTBOUND_USERNAME	Username for collection connector	weblogic	
13 5	COLLECTION_OUTBOUND_PASSWORD	Password for collection Connector	weblogic1	
13 6	OR_OUTBOUND_USERNAME	Username for OR connector	weblogic	
13 7	OR_OUTBOUND_PASSWORD	Password for OR connector	weblogic1	
13 8	PARTY_OUTBOUND_USERNAME	Username for Party connector	weblogic	
13 9	PARTY_OUTBOUND_PASSWORD	Password for Party connector	weblogic1	
14 0	PRODPROC_OUTBOUND_USERNAME	Username for PRODPROC connector	weblogic	
14 1	PRODPROC_OUTBOUND_PASSWORD	Password for PRODPROC connector	weblogic1	
14 2	RECOVERY_OUTBOUND_USERNAME	Username for Recovery connector	weblogic	
14 3	RECOVERY_OUTBOUND_PASSWORD	Password for Recovery connector	weblogic1	
14 4	PRICING_OUTBOUND_USERNAME	Username for Pricing connector	weblogic	
14 5	PRICING_OUTBOUND_PASSWORD	Password for Pricing connector	weblogic1	
14 6	LCM_OUTBOUND_USERNAME	Username for LCM connector	weblogic	

Sr. No	Name	Description	Example Value	Value
147	LCM_OUTBOUND_PASSWORD	Password for LCM connector	weblogic1	
148	MDM_OUTBOUND_USERNAME	Username for MDM connector	weblogic	
149	MDM_OUTBOUND_PASSWORD	Password for MDM connector	weblogic1	
150	COMMUNICATIONS_OUTBOUND_USERNAME	Username for COMMUNICATIONS connector	weblogic	
151	COMMUNICATIONS_OUTBOUND_PASSWORD	Password for COMMUNICATIONS connector	weblogic1	
152	APPCAPTURE_OUTBOUND_USERNAME	Username for APPCAPTURE connector	weblogic	
153	APPCAPTURE_OUTBOUND_PASSWORD	Password for APPCAPTURE connector	weblogic1	
154	EDN_OUTBOUND_USERNAME	Username for EDN connector	weblogic	
155	EDN_OUTBOUND_PASSWORD	Password for EDN connector	weblogic1	
156	EJB SUBJECT_USERNAME	Username for EJB SUBJECT connector	weblogic	
157	EJB SUBJECT_PASSWORD	Password for EJB SUBJECT connector	weblogic1	
158	USER_TIMEZONE	Time zone entry	+5:30	
159	HOST_SSL_PASSWORD	Password for configuring SSL in HOST domain	welcome1	
160	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	
161	OAAM_SERVER_PORT	OAAM server Port for 2FA.	14000	

Sr. No	Name	Description	Example Value	Value
		OAAM_SERVER_PORT refers to the port of OAAM Server (default server name as oaam_server_server1)		
162	OIM_SERVER_IP	Oracle Identity Manager IP	oim-ofss.com	
163	OIM_SERVER_PORT	Oracle Identity Manager Port	16000	
164	OFSAA_SERVER_IP	OFSAA Server IP	ofsaa-ofss.com	
165	OFSAA_SERVER_PORT	OFSAA Server Port	17000	
166	DOCUMAKER_SERVER_IP	i/p address of Documaker server	documaker-ofss.com	
167	DOCUMAKER_SERVER_PORT	Listen port of Documaker server	15000	
168	BAM_SERVER_NAME	Bam sever listen address	bam-ofss.com	
169	BAM_SERVER_PORT	BAM managed server port	9003	
170	ODI_SERVER_NAME	ODI server listen address	odi-ofss.com	
171	ODI_SERVER_PORT	ODI server listen port	8001	

Table 2–5 Values for updating installobp*.properties - For UI**

Sr. No	Name	Description	Example Value	Value
1	SILENT_INSTALL	Flag for executing installer remotely	Y	
2	SECURITY_ENABLED	Flag for security enable	Y	
3	IPM_INSTALLED	Flag for if IPM is installed	Y	
4	LOCAL_IP	I/P address of the local machine which could be a windows machine on which software like	10.180.84.111	

Sr. No	Name	Description	Example Value	Value
		XManager is installed for rendering UI of a utility executing on a remote Linux server.		
5	LOCAL_DISPLAY_VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
6	DOMAIN_NAME	Weblogic Domain name	Host_domain or ui_domain or base_domain	
7	XD_COMPONENT_NAME	XD Component value	obpui	This will be always obpui
8	LOCALIZATION_TYPE	Type of localization	US	Depends on localization type
9	DOMAIN_DIRECTORY_LOCATION	Location where DOMAIN_NAME folder will be created	/scratch/app/product/fmw/user_projects/domains	
10	WEBLOGIC_USERNAME	Username for weblogic domain	weblogic	
11	WEBLOGIC_PASSWORD	Password for weblogic domain	weblogic1	
12	LOCAL_DATASOURCE	Username of LOCAL_DATASOURCE	COLLUI_STB	
13	WLS_RUNTIME_SCHEMA_USER	Username of WLS Runtime schema	COLLUI_WLS_RUNTIME	
14	OPSS_UI_SCHEMA_USER	OPSS UI schema name	COLLUI_OPSS	
15	OPSS_UI_SCHEMA_PASSWORD	OPSS UI schema password	Welcome1	
16	OPSS_UI_DB_IP	OPSS UI DB IP	10.180.84.113	
17	OPSS_UI_DB_PORT	OPSS UI DB PORT	1521	
18	OPSS_UI_DB_SERVICE_NAME	OPSS UI DB SERVICE NAME	P84113A	
19	MDS_SCHEMA_USER	MDS schema name	COLLUI_MDS	
20	MDS_SCHEMA_PASSWORD	Password of MDS schema	welcome1	

2.2 Installation Checklist

Sr. No	Name	Description	Example Value	Value
21	MDS_DB_IP	MDS DB IP	10.180.84.113	
22	MDS_DB_PORT	MDS DB PORT	1521	
23	MDS_DB_SERVICE_NAME	MDS DB SERVICE NAME	P84113A	
24	OPSS_HOST_SCHEMA_USER	HOST OPSS Schema name	COLLMW_OPSS	
25	OPSS_HOST_AUDIT_DBDS	HOST OPSS AUDIT schema name	COLLMW_IAU_APPEND	
26	OPSS_HOST_AUDIT_VIEWDS	HOST OPSS AUDIT VIEWDB Schema name	COLLMW_IAU_VIEWER	
27	OPSS_HOST_SCHEMA_PASSWORD	HOST OPSS password for above three OPSS schema	welcome1	
28	OPSS_HOST_DB_IP	Service name of UI OPSS DB	10.180.84.113	
29	OPSS_HOST_DB_PORT	HOST OPSS DB PORT	1521	
30	OPSS_HOST_DB_SERVICE_NAME	HOST OPSS DB SERVICE NAME	P84113A	
31	HOST_SCHEMA_USER	OBP Host Database username	OBEDMUS211	
32	HOST_SCHEMA_PASSWORD	OBP Host Database password	welcome1	
33	HOST_DB_IP	OBP Host Database i/p address	10.180.84.113	
34	HOST_DB_PORT	OBP Host Database listen port	1521	
35	HOST_DB_SERVICE_NAME	OBP Host Database service name	P84113A	
36	ONS_NODE	i/p address of ONS service	10.180.84.113	
37	ONS_PORT	Listen port of ONS service	6200	
38	ADMIN_SERVER_LISTEN_ADDRESS	Admin server listen address	10.180.84.111	
39	ADMIN_SERVER_LISTEN_PORT	Admin server listen port	7001	
40	ADMIN_SERVER_SSL_LISTEN_PORT	Admin server SSL listen port	7002	

Sr. No	Name	Description	Example Value	Value
	PORT			
41	MANAGED_SERVER_LISTEN_ADDRESS	Managed server listen address	10.180.84.111	
42	MANAGED_SERVER_LISTEN_PORT	Managed server listen port	8001	
43	MANAGED_SERVER_SSL_LISTEN_PORT	Managed server SSL listen port	8002	
44	LDAP_PROVIDER	Refers to LDAP Provider. Value will be OID or OVD.	OID	
45	OID_IP	I/P address of the OID server	10.180.84.113	
46	OID_PORT	Port of the OID process instance.	3060	
47	OID_ADMIN_USER	Admin user id which can be used to login of the OID as administrator.	cn=orcladmin	
48	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
49	OID_GROUP_DSN	The DSN used for object class Groups in the OID Idap.	cn=Groups,dc=in,dc=oracle,dc=com	
50	OID_USER_DSN	The DSN used for object class Users in the OID Idap.	cn=Users,dc=in,dc=oracle,dc=com	
51	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	
52	UI_IP	I/P address of the server on which the OBP presentation or UI layer should be	10.180.84.111	

2.2 Installation Checklist

Sr. No	Name	Description	Example Value	Value
		installed.		
53	UI_CLUSTER_NAME	Name of UI Managed Cluster	obpui_cluster1	
54	UI_SERVER_NAME	Name of UI Managed Server	obpui_server1	
55	UI_TARGET	Refers to a location on the UI server where the installables can be transferred. The user id of the user used for installation of OBP should have read, write and execute privileges on this directory.	/scratch/install/target	
56	UI_MW_HOME	Refers to the middleware home of the weblogic installation on the UI server.	/scratch/app/product/fmw	
57	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_231	
58	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_231	
59	CENTRAL_INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oraInventory	
60	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
61	IPM_UNIX_USER	Linux login user id of IPM server	ofssobp	
62	IPM_SERVER_IP	i/p address of IPM	10.180.84.114	

Sr. No	Name	Description	Example Value	Value
		server		
63	IPM_SERVER_PORT	Listen port of IPM server	16000	
64	IPM_MW_HOME	Oracle Weblogic Home directory on IPM server	/scratch/app/product/fmw	
65	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
66	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	
67	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	
68	OIM_SERVER_IP	Oracle Identity Manager i/p address	oim-ofss.com	
69	OIM_SERVER_PORT	Oracle Identity Manager Listen Port	16000	
70	OFSAA_SERVER_IP	OFSAA Server i/p address	ofsaa-ofss.com	
71	OFSAA_SERVER_PORT	OFSAA Server listen port	17000	
72	UI_ADMIN_JVM_PARAMS	UI domain admin JVM startup parameters	-Xms2048m -Xmx4096m	
73	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:CMSInitiatingOccupancyFraction=75 -Djbo.load.components.lazily=true	

Sr. No	Name	Description	Example Value	Value
74	HOST_ADMIN_SERVER_LISTEN_ADDRESS	Listen address of HOST admin server	10.180.84.110	
75	HOST_ADMIN_SERVER_LISTEN_PORT	Listen port of HOST admin server	7001	
76	HOST_MANAGED_SERVER_LISTEN_ADDRESS	Listen address of host managed server	10.180.84.110	
77	HOST_MANAGED_SERVER_LISTEN_PORT	Listen port of host managed server	8001	
78	KEYSTORE_PASSWORD	Password for generating certificate	welcome1	
79	UI_SSL_PASSWORD	Password for configuring SSL in UI domain	welcome1	
80	UCM_READ_FROM_URL	<p>Flag for getting UCM URL from properties file.</p> <p>These values are used by the Webcenter Portal application for internet banking. Hence values for UCM_READ_FROM_URL and UCM_IP, UCM_PORT below can be left as is for installations, which do not use the Webcenter portal for hosting their internet banking application.</p> <p>However, as a best practice, it is recommended that we configure values for UCP_IP and UCM_PORT correctly from day 1</p>	true/false	
81	UCM_IP	UCM_IP the IP address of the UCM WebLogic managed server.	ofss.ucm.com	
82	UCM_PORT	Port of UCM.	4444	
83	OFFLINE_	Offline username created in connector	offlineuser	

Sr. No	Name	Description	Example Value	Value
	CHANNEL_OUTBOUND_USERNAME			
84	OFFLINE_CHANNEL_OUTBOUND_PASSWORD	Password for the Offlineuser user in connector	welcome1	
85	CARD_USERNAME	Username of Card connector.	orakey	
86	CARD_PASSWORD	Password of Card connector.	welcome1	
87	RULE_USERNAME	Username of Rule connector	orakey	
88	RULE_PASSWORD	Password of Rule connector	welcome1	
89	USER_TIMEZONE	Time zone entry	+5:30	
90	REMOTE_EXECUTION	Flag for executing installer remotely	Y	
91	IPM_USERNAME	Username of IPM connector	weblogic	
92	IPM_PASSWORD	Password of IPM connector	weblogic1	
93	FTP_IPM_USERNAME	Username of FTP_IPM connector	ofssobp	
94	FTP_IPM_PASSWORD	Password of FTP_IPM connector	ofssobp123	
95	FTP_IPM_BATCH_USERNAME	Username of FTP_IPM_BATCH	ofssobp	
96	FTP_IPM_BATCH_PASSWORD	Password of FTP_IPM_BATCH	ofssobp123	
97	HOST_UNIX_USER	Linux login user id for HOST server	ofssobp	
98	HOST_MW_HOME	Refers to the middleware home of the weblogic installation on the Host server.	/scratch/app/product/fmw	
99	HOST_DOMAIN_NAME	Refers to the middleware Host domain name.	host_domain	

2.2.2 Database and WebLogic Domain Configuration

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

Table 2–6 Oracle Banking Enterprise Default Management DB and WebLogic Domain Configuration

Sr. No.	Name	Description and Example	Value
UI and Host Linux user login details			
1.	UI / Presentation Linux server user id	This is same as INSTALL_AS captured in the checklist above.	
2.	UI / Presentation Linux server user password	Password for the user specified against INSTALL_AS.	
3.	Host Linux server user id	This is same as INSTALL_AS captured in the checklist above.	
4.	Host Linux server user password	Password for the user specified against INSTALL_AS.	
Database Details			
5.	IP address of the OBEDM Oracle DB server	10.180.90.30	
6.	Port of the OBEDM Oracle DB instance	1521	
7.	OBEDM DB Service Name	OBEDMDB	
8.	OBEDM DB sys password	*****	
9.	ONS NODE	10.180.90.30, Make sure ons service is started on DB.	
10.	ONS Port	6250	
Additional UI Install Checklist			
11.	Admin user id and password for the OBEDM UI domain.	The default admin user id is WebLogic. Decide on the password to be used and note it.	
12.	List of port numbers for the OBEDM UI domain for: Admin server HTTP port for managed server HTTPS port for managed server	Default Values Admin Server Port: 7001 Managed Server http port: 15308 Managed Server https port: 15309	
13.	Password for the key generated to establish	Decide on the password to be used and note it. This is required for the	

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

2.3 OID Schema Setup – Custom OBEDM Schema

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

2.3.1 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.

2.3.2 Verify the OID installation

This section describes the procedure to verify the OID installation.

2.3.2.1 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.

2.3.2.2 OPSS/OID Performance Tuning

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

Parameters

Change the parameter values as provided below.

Table 2–7 Parameter Values to be Changed

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

Advanced OID tuning

The steps to perform advanced OID tuning are as follows:

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


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

Sample tune.ldif file

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

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

changetype: modify

replace: orclmaxcc

orclmaxcc: 10

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

changetype: modify

replace: orclgeneratechangelog

orclgeneratechangelog: 0

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

changetype: modify

replace: orclldapconntimeout

orclldapconntimeout: 60

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

changetype: modify

replace: orclmatchdenabled

orclmatchdenabled: 0

3. See the OID Tuning Guide available at:

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

OPSS Tuning

The steps to perform advanced OPSS tuning are as follows:

1. IDM Database recommendations

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

Table 2–8 Suggested values for Tuning and Alter Command

Sr. No.	DB Property Name	Suggested Value for Tuning	Alter Command
1	Process	1500	ALTER SYSTEM SET processes = 1500 SCOPE = spfile;
2	SGA Target	3G	ALTER SYSTEM SET sga_target = 3221225472 SCOPE = spfile;
3	Audit Trail	None	ALTER SYSTEM SET audit_sys_operations=FALSE SCOPE =SPFILE;

Sr. No.	DB Property Name	Suggested Value for Tuning	Alter Command
			ALTER SYSTEM SET audit_trail = NONE SCOPE = spfile;
4	Open Cursor	500	ALTER SYSTEM SET open_cursors = 500 SCOPE = spfile;
5	PGA_Aggregate_Target	1.5GB	ALTER SYSTEM SET pga_aggregate_target = 1610612736 SCOPE = spfile;
6	NLS Sort	Binary	ALTER SYSTEM SET nls_sort = BINARY SCOPE = spfile;
7	Filesystemio_Options	SETALL	ALTER SYSTEM SET filesystemio_options = SETALL SCOPE = spfile;
8	Fast_start_mttr_target	3600	ALTER SYSTEM SET fast_start_mttr_target = 3600 SCOPE = spfile;
9	db_securefile	ALWAYS	ALTER SYSTEM SET db_securefile = ALWAYS SCOPE = spfile;
10	Session_cached_cursors	500	ALTER SYSTEM SET session_cached_cursors = 500 SCOPE = spfile;
11	plsql_code_type	NATIVE	ALTER SYSTEM SET plsql_code_type = NATIVE SCOPE = spfile;
12	_b_tree_bitmap_plans	false	ALTER SYSTEM SET "_b_tree_bitmap_plans" = FALSE scope=spfile;
13	Memory_target	0	ALTER SYSTEM SET memory_target=0 SCOPE = SPFILE;

b. Redo log file.

Allocated Disk Space for Redo Log Files

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

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

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

c. Undo tablespace.

Increase Disk Space Allocated for UNDO Tablespace

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

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

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

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

- b. Add following properties:

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

```
<propertySet name="props.db.1">
<property name="authorization_cache_enabled"
value="true"/>
<property name="connection.pool.min.size" value="20"/>
<property name="connection.pool.max.size" value="40"/>
<property name="connection.pool.provider.type"
value="IDM"/>
<property name="connection.pool.timeout" value="300000"/>
<property name="connection.pool.provider.type"
value="5"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.type" value="STATIC"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.strategy" value="NONE"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.size" value="100"/>
<property
name="oracle.security.jps.policystore.policy.lazy.load.enable" value="true"/>
<property
name="oracle.security.jps.policystore.policy.cache.strategy" value="NONE"/>
<property
name="oracle.security.jps.policystore.policy.cache.size"
value="1000000"/>
```

```
<property
name="oracle.security.jps.policystore.refresh.enable"
value="true"/>
<property
name="oracle.security.jps.policystore.refresh.purge.time
out" value="43200000"/>
<property
name="oracle.security.jps.ldap.policystore.refresh.inter
val" value="6000000"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.w
armup.enable" value="true"/>
</propertySet>
```

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

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

```

<property
name="oracle.security.jps.policystore.refresh.enable"
value="true"/>
<property
name="oracle.security.jps.policystore.refresh.purge.time
out" value="43200000"/>
<property
name="oracle.security.jps.ldap.policystore.refresh.inter
val" value="6000000"/>
<property
name="oracle.security.jps.policystore.rolemember.cache.w
armup.enable" value="true"/>
</serviceInstance>

```

3. adf-config.xml (optional)

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

4. setDomainEnv.sh

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

Table 2–9 Properties

Property	Description
-Djps.combiner.optimize=true	This system property is used to cache the protection domains for a given subject. Setting - Djps.combiner.optimize=true can improve Java authorization performance.
-Djps.combiner.optimize.lazyeval=true	This system property is used to evaluate a subject's protection domain when a checkPermission occurs. Setting - Djps.combiner.optimize.lazyeval=true can improve Java authorization performance.
-Djps.policystore.hybrid.mode=false	This 'hybrid mode' property is used to facilitate transition from SUN java.security.Policy to OPSS Java Policy Provider.
-Djps.authz=ACC	Delegates the call to JDK API AccessController.checkPermission which can reduce the performance impact at run time or while debugging.
DUSE_JAAS=false	
Djps.auth=ACC	Delegates the call to JDK API AccessController.checkPermission which can reduce the performance impact at run time or while debugging
Djps.auth.debug=false	Turn off debugging. This is turned on to debug access denied errors.
Djps.subject.cache.key=5	JPS uses a Subject Resolver to convert a platform subject

Property	Description
	<p>to JpsSubject which contains user/enterprise-role information, as well as ApplicationRole information. This information is represented as principals in the subject.</p> <p>Value = 5: Instead of using the whole subject as the key, this settings uses a subset of the principal set inside the subject as the key (actually use principals of WLSUserImpl type).</p> <p>This setting will accelerate the cache retrieval operation if the subject has a large principal set.</p>
Djps.subject.cache.ttl=600000	<p>Cache's Time To Live (TTL) for case '5' (above). This system property controls how long the cache is valid. When the time expired, the cached value is dumped. The setting can be controlled by the flag of -Djps.subject.cache.ttl=xxxx, where 'xxx' is the duration in milliseconds.</p> <p>Consider setting the duration of this TTL setting to the same value as the value used for the group and user cache TTL in WLS LDAP authenticator.</p>

Example:

```

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

```

2.3.2.3 Import OBEDM Specific LDIF files

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

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

Note

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

1. Extract the 'host.zip' to obtain 'obpinstall-host.zip'. It contains ldif.zip and sampleLdif.zip.
2. Extract ldif.zip. It will create a folder named ldif with ldif files or extract sampleLdif.zip, which will create a folder named ldif, with ldif files as follows:

- fcPerson.ldif
 - obp_ou.ldif
 - jpsroot.ldif
 - Users.ldif
 - Groups.ldif
 - Weblogic.ldif
 - Administrators.ldif
3. These are to be used and updated in the OID if necessary. The execution commands for uploading these LDIF files are given below. The execution order must be maintained as described.

Table 2–10 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
```

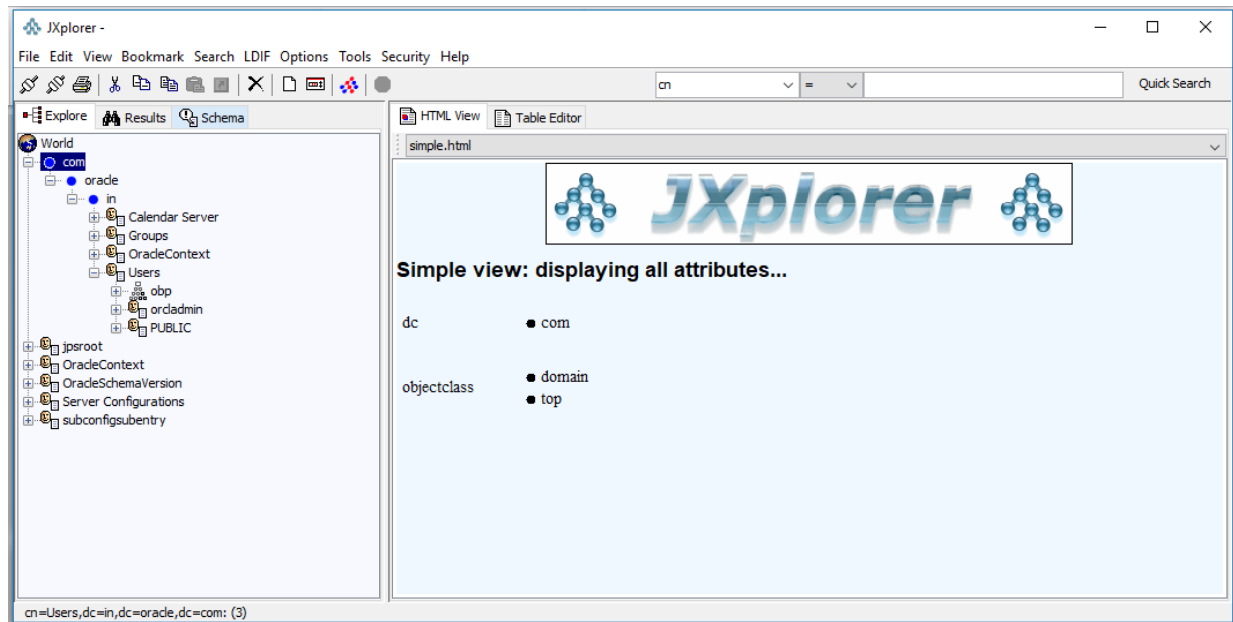
ldapadd Administrators.ldif

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

2.3.2.4 Verify the import using ODSM or JXplorer

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

Figure 2–1 JXplorer



3 OBEDM US Localization Host Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Enterprise Default Management US Localization Host Media pack. The subsequent section refers to the variable names specified in [Section 2.2 Installation Checklist](#).

3.1 Installation and Configuration Procedure

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

3.1.1 Preparatory Steps

This section lists the preparatory steps required for the OBEDM US Localization Host Media Pack installation.

Step 1 Procuring Installables

Download the appropriate host media pack from the following location:

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

Step 2 Extracting the Installables

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

- A zip file 'obpininstall-host.zip'
- The installation script 'installobphost.sh'
- The install configuration property file 'installobphost.properties'
- A zip file 'em_monitor.zip' that is used for monitoring (For more information, see [Chapter 1 Monitoring Servers Using Oracle Enterprise Manager](#)).

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in [Section 2.2 Installation Checklist](#) of this guide and note the values applicable for each point in the last column for “Value” so that the same is handy during the actual installation.

3.1.2 Pre-Installation Steps

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

Step 1 Updating installobphost.properties

Navigate to the directory where the files obpininstall-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 5.1 Pre-Installation Steps](#) and [Section 5.2 OBEDM Database Setup – RCU Installation](#).
- Node manager must not be running on the target machine.
- Create a dummy folder named as Target and mention its path against HOST_TARGET property.
- In case of re-installation ensure that the directory paths against DOMAIN_DIRECTORY_LOCATION, HOST_TARGET and HOST_MW_HOME specified in installobphost.properties are cleaned up for traces of any previous installations, as the remote shell copy may not be overwriting in case of any residual file left by the previous run.
- No processes should be running on the port in HOST machine given in installobphost.properties.
- Values in installobphost.properties must be correct. At run time no option is given to change them.
- No other schema should exist in db with the same prefix as HOST_DB_SCHEMA_PREFIX specified in installobphost.properties. OBP_HOST_DB_USER should be given on the basis of HOST_DB_SCHEMA_PREFIX.

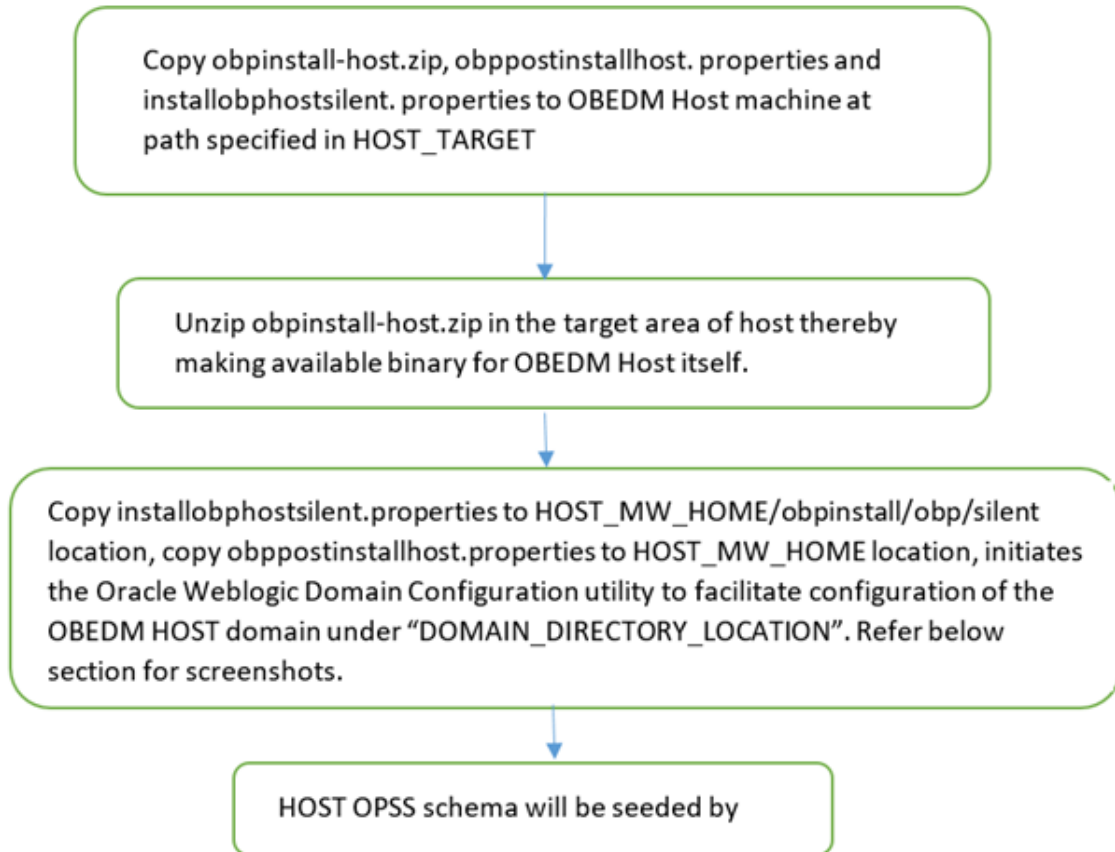
For example, if HOST_DB_SCHEMA_PREFIX is DEV, then OBP_HOST_DB_USER should be DEV_OBP.

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

3.1.3 Installation Steps

This section lists the installation steps required for the OBEDM US Localization Host Media Pack installation.

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

Figure 3–1 Steps in installobphost.sh script

A sample output is given here.

Figure 3–2 Verification of Properties

```

[ofssobp@mum00asl obpus-ui-soa]$ ./installobpsoa.sh
The present working directory is /scratch/install/obpus-ui-soa. It is assumed that all installables are present in this directory.
Printing the information entered above
SILENT_INSTALL                : y
KD_COMPONENT_NAME            : obpsoa
LOCALIZATION_TYPE            : us
LOCAL_IP                      : 10.180.86.238
LOCAL_DISPLAY_VALUE          : 0.0
DOMAIN_NAME                   : base_domain
DOMAIN_DIRECTORY_LOCATION    : /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME            : weblogic
WEBLOGIC_PASSWORD            : weblogic1
MDS_SCHEMA_USER              : OBEDMSOA_MDS
SOA_INFRASTRUCTURE_SCHEMA_USER : OBEDMSOA_SOAINFRA
DB_SCHEMA_PASSWORD           : welcome1
DB_IP                         : mum00bhw.in.oracle.com
DB_PORT                       : 1521
DB_SERVICE_NAME              : P3523A
HOST_SCHEMA_USER             : OBEDMJS210
HOST_SCHEMA_PASSWORD         : welcome1
HOST_DB_IP                   : mum00bhw.in.oracle.com
HOST_DB_PORT                 : 1521
HOST_DB_SERVICE_NAME         : P3523A
ADMIN_SERVER_LISTEN_ADDRESS   : 10.180.86.238
ADMIN_SERVER_LISTEN_PORT     : 7001
ADMIN_SERVER_SSL_LISTEN_PORT : 7002
SOA_SERVER_LISTEN_ADDRESS    : 10.180.86.238
SOA_SERVER_LISTEN_PORT       : 8001
SOA_SERVER_SSL_LISTEN_PORT   : 8002
HUMANTASK_SERVER_LISTEN_ADDRESS : 10.180.86.238
HUMANTASK_SERVER_LISTEN_PORT : 9001
HUMANTASK_SERVER_SSL_LISTEN_PORT : 9002
BAM_SERVER_LISTEN_ADDRESS    : 10.180.86.238
BAM_SERVER_LISTEN_PORT       : 9003
BAM_SERVER_SSL_LISTEN_PORT   : 9004
HOST_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.34.122
HOST_MANAGED_SERVER_LISTEN_PORT : 8001
LDAP_PROVIDER                 : OID

```

Figure 3–3 Verification of Properties (contd)

```

SOA_ORACLE_HOME              : soa
SOA_IP                       : 10.180.85.159
SOA_UNIX_USER                : ofssobp
SOA_MM_HOME                   : /scratch/app/product/fmw
SOA_WEBLOGIC_USERNAME        : weblogic
SOA_WEBLOGIC_PASSWORD        : weblogic1
SOA_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.159
SOA_MANAGED_SERVER_LISTEN_PORT : 8001
SOA_ADMIN_SERVER_LISTEN_PORT : 7001
UI_IP                         : 10.180.85.196
UI_UNIX_USER                 : ofssobp
UI_DOMAIN_HOME               : /scratch/app/product/fmw/user_projects/domains/ui_domain
INSTALL_AS                   : ofssobp
BIP_SERVER_IP                : 10.180.6.143
BIP_SERVER_PORT              : 9502
BIP_UNIX_USER                 : ofssobp
BIP_HOME                     : /scratch/app/product/fmw_bip/bi
BIP_INSTANCE_PATH            : /scratch/app/product/fmw_bip/user_projects/domains/bi_domain/bidata/service_instances/ssi/metadata/content/catalog/root/users/weblogic
BIP_SERVER_USER              : weblogic
BIP_SERVER_PSWD              : weblogic1
BIP_REPORT_BASE_PATH         : OBP/R262INSTALLER
BIP_DATASOURCE_NAME         : OBP262
IPM_SERVER_IP                : 10.180.6.143
IPM_SERVER_PORT              : 16000
IPM_UNIX_USER                : ofssobp
IPM_HOME                     : /scratch/app/product/fmw_ipm/Oracle_ECM1
OFSAA_SERVER_IP              : ofsaa-ofss.com
OFSAA_SERVER_PORT            : 17000
OAAM_SERVER_IP               : oaam-ofss.com
OAAM_SERVER_PORT             : 14000
OIM_SERVER_IP                : oim-ofss.com
OIM_SERVER_PORT              : 16000
DOCUMAKER_SERVER_IP         : documaker-ofss.com
DOCUMAKER_SERVER_PORT       : 15000
OBP_HOST_DB_USER             : OBP262
OBP_HOST_DB_PASSWORD         : welcome1
OBP_HOST_DB_IP               : 10.180.87.84

```

Figure 3–4 Verification of Properties (contd)

```

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

```

Figure 3–5 Verification of Properties (contd)

```

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

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

```

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

utility performs the installation and domain is created silently.

Figure 3–6 Confirmation and Copying of Installables to Target Machine

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

Figure 3–7 Confirmation and Copying of Installables to Target Machine (contd)

```

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

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

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

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

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

```

Figure 3–8 Confirmation and Copying of Installables to Target Machine (contd)

```

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

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

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

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

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

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

Initializing WebLogic Scripting Tool (WLST) ...

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

```

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

Figure 3–9 Domain Installation Confirmation

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

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

Initializing WebLogic Scripting Tool (WLST) ...

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

Welcome to WebLogic Server Administration Scripting Shell

Type help() for help on available commands

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

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

Figure 3–10 Untar the policyStoreSetup and Copy on destination location

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

Figure 3–11 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 3–12 Untar the policyStoreSetup and Copy on destination location (contd)

```

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

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

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

```

Figure 3–13 Policy Seeding

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


Figure 3–14 Policy Seeding (contd)

```

File = /UtilityConfig/FactoryShippedAccessPolicyRules-1.csv, Policies to be added=600
Start Time : Apr 30, 2018 5:27:09 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv
*****Please wait while Matrix Based Access Policies are being seeded in to the Policy Domain*****
Start Time : Apr 30, 2018 5:27:24 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules.csv
End Time : Apr 30, 2018 5:27:34 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-1.csv, Policies added=589, Duplicate policies=0, time taken=116
File = /UtilityConfig/FactoryShippedAccessPolicyRules-2.csv, Policies to be added=500
End Time : Apr 30, 2018 5:28:03 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-2.csv, Policies added=444, Duplicate policies=6, time taken=129
File = /UtilityConfig/FactoryShippedAccessPolicyRules-3.csv, Policies to be added=0
End Time : Apr 30, 2018 5:28:08 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-3.csv, Policies added=0, Duplicate policies=0, time taken=120
File = /UtilityConfig/FactoryShippedAccessPolicyRules-4.csv, Policies to be added=1101
File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies to be added=9203
File = /UtilityConfig/FactoryShippedAccessPolicyRules-6.csv, Policies to be added=3331
File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies to be added=4223
End Time : Apr 30, 2018 5:30:17 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-4.csv, Policies added=1070, Duplicate policies=0, time taken=233
File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies added=1287, duplicate policies=221
File = /UtilityConfig/FactoryShippedAccessPolicyRules-6.csv, Policies added=1429, duplicate policies=65
File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies added=1486, duplicate policies=57
End Time : Apr 30, 2018 5:35:56 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-6.csv, Policies added=3263, Duplicate policies=65, time taken=542
File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies added=3609, duplicate policies=221
File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies added=3747, duplicate policies=150
End Time : Apr 30, 2018 5:37:46 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies added=4058, Duplicate policies=165, time taken=636
File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies added=7077, duplicate policies=222
End Time : Apr 30, 2018 5:44:22 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies added=8981, Duplicate policies=222, time taken=1063

```

3.2 Post Installation Configuration

This section describes the post installation configuration procedure for OBEDM Host Media Pack. The procedure can be started after UI 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 5.3.3 HOST DB Schema Seeding](#) and [Section 5.3.4 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
```

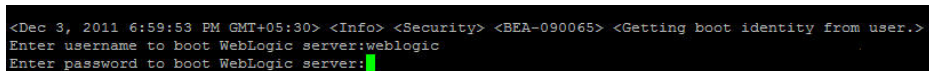
Post Installation Configuration

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 3–15 Host Domain Admin Server Credentials



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

3. Once the server status changes to RUNNING, proceed to execute the post installation script for Host domain located under middleware. This script performs a multitude of configurations such as:
 - Making changes in OBEDM config properties to point to the appropriate integration server
 - Setting the security realm properties of WebLogic domain and reassociating the same to the OID
 - Trust configuration setup using the trust keys copied from the SOA domain
4. Navigate to the middleware home and list the files in the directory. A post installation and configuration script named obp-host-post-install.sh will be listed along with other files and directories.
5. Execute the script using the following command:

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

Note

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

Figure 3–16 Host Domain Post Installation Script Execution

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

Figure 3–17 Host Domain Post Installation Script Execution (contd)

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

Figure 3–18 Host Domain Post Installation Script Execution (contd)

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

Figure 3–19 Host Domain Post Installation Script Execution (contd)

```

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

```



```
</log_handler>
```

9. Within the following xml tag:

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

add:

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

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

```
</logger>
```

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

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

```
</logger>
```

10. Then start the admin and managed servers to check the domain configuration status as described in verification part in [Section 8.2 Host Domain Verification](#).

4 OBEDM US Localization Presentation Media Pack Installation

This chapter details every step involved in the installation of OBEDM US Localization Presentation (UI) Media pack. The subsequent section refers to the variable names specified in [Section 2.2 Installation Checklist](#).

4.1 Installation and Configuration Procedure

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

4.1.1 Preparatory Steps

This section lists the preparatory steps required for the OBEDM US Localization Presentation Media Pack installation.

Step 1 Procuring Installables

Download the appropriate presentation media pack from the following location:

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

Step 2 Extracting the Installables

Copy the 'obpus-ui.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 2.2 Installation Checklist](#) of this guide and note the values applicable for each point in the last column for 'Value' so that the same is handy during the actual installation.

4.1.2 Pre-Installation Steps

This section lists the pre-installation steps required for the OBEDM US Localization Presentation Media Pack installation. The procedure can be started after HOST 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:

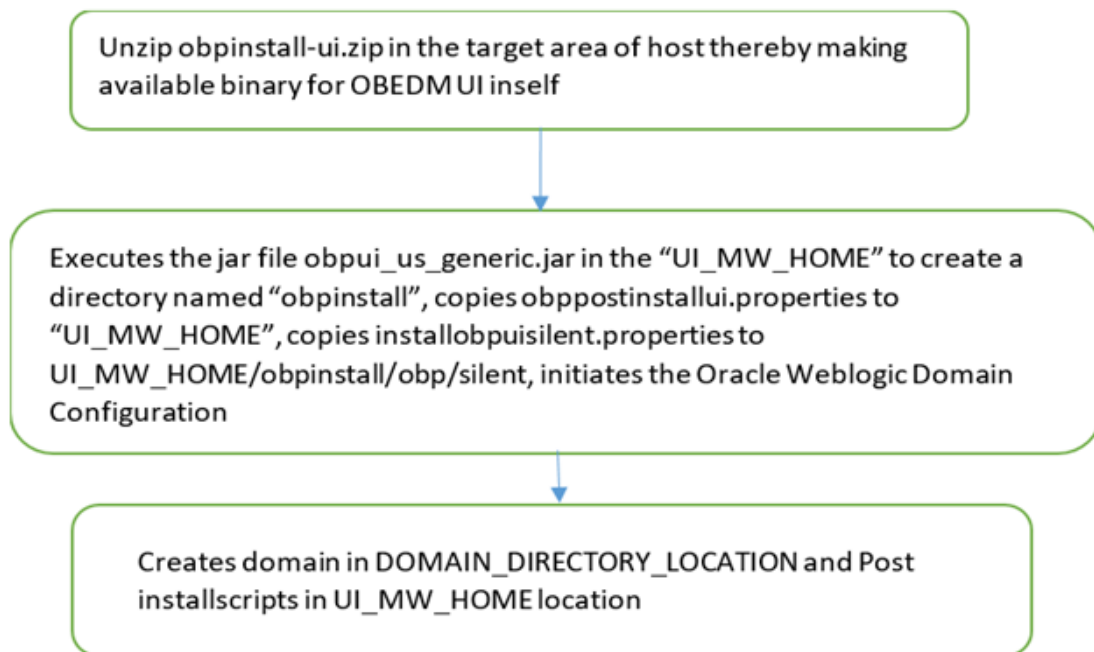
- Make sure required RCU schemas have been created. For more information, see [Section 5.1 Pre-Installation Steps](#) and [Section 5.2 OBEDM Database Setup – RCU Installation](#).
- Node manager must not be running on the target machine.
- Create a dummy folder named as Target and mention its path against UI_TARGET property.
- In case of a re-installation ensure that the directory paths against DOMAIN_DIRECTORY_LOCATION, HOST_TARGET and HOST_MW_HOME specified in installobpui.properties are cleaned up for traces of any previous installations, as the remote shell copy may not be overwriting in case of any residual file left by the previous run.
- No processes should be running on the port in HOST machine given in installobpui.properties.
- MDS_SCHEMA_USER schema given in the installobpui.properties exists. This should point to the same schema as MDS_HOST_DB_USER of installobphost.properties.
- Values given in installobpui.properties must be correct. At run time, no option will be given to change the values.

4.1.3 Installation Steps

This section lists the installation steps required for the OBEDM US Localization Presentation Media Pack installation.

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

Figure 4–1 Steps in installobpui.sh script



A sample output is given here.

Figure 4–2 Confirmation to Proceed Domain Installation

```
[ofssobp@mum00bhw obpus-ui-soa]$ ./installobpui.sh
The present working directory is /scratch/install/obpus-ui-soa. It is assumed that all installables are present in this directory.
Printing the installation details:-
SILENT_INSTALL                : y
XD_COMPONENT_NAME             : obpui
LOCALIZATION_TYPE             : us
LOCAL_IP                       : 10.180.35.12
LOCAL_DISPLAY_VALUE           : 0.0
DOMAIN_NAME                    : ui_domain
DOMAIN_DIRECTORY_LOCATION     : /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME             : weblogic
WEBLOGIC_PASSWORD             : weblogic1
MDS_SCHEMA_USER               : OBEDMUI_MDS
MDS_SCHEMA_PASSWORD           : welcome1
MDS_DB_IP                     : mum00bhw.in.oracle.com
MDS_DB_PORT                   : 1521
MDS_DB_SERVICE_NAME           : P3523A
HOST_SCHEMA_USER              : OBEDMJS210
HOST_SCHEMA_PASSWORD          : welcome1
HOST_DB_IP                    : mum00bhw.in.oracle.com
HOST_DB_PORT                  : 1521
HOST_DB_SERVICE_NAME          : P3523A
DPSS_SOA_SCHEMA_USER          : OBEDMSOA_OPSS
DPSS_SOA_SCHEMA_PASSWORD      : welcome1
DPSS_SOA_DB_IP               : mum00bhw.in.oracle.com
DPSS_SOA_DB_PORT              : 1521
DPSS_SOA_DB_SERVICE_NAME      : P3523A
ADMIN_SERVER_LISTEN_ADDRESS    : 10.180.35.12
ADMIN_SERVER_LISTEN_PORT      : 7001
ADMIN_SERVER_SSL_LISTEN_PORT  : 7002
MANAGED_SERVER_LISTEN_ADDRESS : 10.180.35.12
MANAGED_SERVER_LISTEN_PORT    : 8001
MANAGED_SERVER_SSL_LISTEN_PORT : 8002
LDAP_PROVIDER                 : OID
DID_IP                        : 10.180.35.23
DID_PORT                      : 3060
DID_ADMIN_USER                : cn=orcladmin
DID_ADMIN_PWD                 : welcome1
```

Figure 4–3 Confirmation to Proceed Domain Installation (contd)

```

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

```

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

```

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

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

```

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

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

```

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

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

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

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

```

Figure 4–6 Copying and Extraction of obpininstall-ui.zip (contd)

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

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

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

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

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

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

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

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

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

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

Figure 4–7 Domain Creation Confirmation

```

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

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

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

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

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

Initializing WebLogic Scripting Tool (WLST) ...

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

Welcome to WebLogic Server Administration Scripting Shell

Type help() for help on available commands

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

```

The above domain configuration process also creates files named `obp-ui-post-install.sh` and `obp-ui-post-install.py` in `UI_MW_HOME` location which are to be used to perform post installation configuration as elaborated in [Section 4.2 Post Installation Configuration](#).

4.2 Post Installation Configuration

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

Checklist for Post Installation Procedure

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

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

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

Post Installation Configuration

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

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

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

Figure 4–8 UI Admin Server Credentials

```
Enter username to boot WebLogic server:weblogic
Enter password to boot WebLogic server:
May 9, 2018, 3:18:24, PM IST> [WebLogicServer] <BEA-000365> <Server state changed to: STARTING>
```

Figure 4–9 UI Admin Server Running

```
FMWProv: Integration Class called and was reloaded for me
PostinstallConfigIntegration:oracle_ias_farm target auth registration is done.
CompositesProvIntegration init...
getAllPluginOracleHomes: ConnectionService is null
getAllPluginOracleHomes: ConnectionService is null
Anonymous url config processing:/WEB-INF/config/anonymous-access-emcore.config
Anonymous-urls:[/em/IESvgdetect.js.*, /em/LoginStatusServlet.*, /em/adf/*.*, /em/adflib/*.*, /em/afr/*.*, /em/bi/*.*, /em/bmp/discovertargets, /em/cabo/*.*,
/em/console/help.*, /em/console/logon/*.*, /em/consoleStatus.jsp, /em/dynamicImage.*, /em/ecm/csa/CSA.jar, /em/ecm/csa/CSA.mb, /em/ecm/csa/csabanner.
gif, /em/emcli/custAttrib.*, /em/emr/*.*, /em/faces/logon/*.*, /em/faces/helppages/*.*, /em/flashbridge.*, /em/formsapp/lib/formsRecorder.jar, /em/images
/.*, /em/install/getAgentImage, /em/helppages/help.*, /em/jslibs/*.*, /em/jslibs/obf/*.*, /em/login.jsp, /em/mapproxy.*, /em/mobile/core/uifwk/skins/*.*,
/em/ocmm/lib.*, /em/onetime.*, /em/ovs/discovertargets, /em/public/*.*, /em/public lib download.*, /em/redirect.*, /em/relocatetarget.*, /em/sdkimpl/
core/uifwkmobile/skins/*.*, /em/servlet/GaugeServlet.*, /em/servlet/GraphServlet.*, /em/swlib/getfile, /em/VncViewer.jar, /em/websvcs.*, /em/jobtrac.*]
<May 9, 2018, 3:18:25,793 PM IST> <Notice> <Log Management> <BEA-170027> <The server has successfully established a connection with the Domain Level D
iagnostic Service.>
<May 9, 2018, 3:18:26,991 PM IST> <Notice> <WebLogicServer> <BEA-000365> <Server state changed to ADMIN.>
<May 9, 2018, 3:18:27,107 PM IST> <Notice> <WebLogicServer> <BEA-000365> <Server state changed to RESUMING.>
<May 9, 2018, 3:18:27,109 PM IST> <Warning> <JMX> <BEA-149535> <JMX Resiliency Activity Server=All Servers : Resolving connection list DomainRuntimeSe
rvicMBean>
<May 9, 2018, 3:18:27,338 PM IST> <Notice> <Server> <BEA-002613> <Channel "Default" is now listening on 10.180.85.196:7001 for protocols iioip, t3, lda
p, snmp, http.>
<May 9, 2018, 3:18:27,344 PM IST> <Alert> <Security> <BEA-090153> <Demo identity certificate is used in production mode: [
|
| Version: V3
| Subject: CN=DemoCertFor ui domain
| Signature Algorithm: SHA256withRSA, OID = 1.2.840.113549.1.1.11
|
| Key: Sun RSA public key, 1024 bits
| modulus: 1167456889253825025480926869091926496852848865506649473131555460033254586463387768039353573309013374752798101528633717677150428907934740480
714811946902060408079898980495455613517468803280663115243515362374635305298382673694298536842566442877518165719775797175668533963201933181716869575898
90836657930273717573
| public exponent: 65537
| Validity: [From: Wed May 09 15:15:09 IST 2018,
| To: Mon May 08 15:15:09 IST 2023]
| Issuer: CN=CertGenCA, OU=FOR TESTING ONLY, O=MyOrganization, L=MyTown, ST=MyState, C=US
| SerialNumber: [ 0163444a 4b53]
|
| Certificate Extensions: 1
|[1]: ObjectId: 2.5.29.14 Criticality=false
```

Figure 4–10 UI Admin Server Running (contd)

```

KeyIdentifier [
0000: 07 D2 F0 F5 02 B5 9A 1B 53 2B C7 62 D5 98 F0 E1 .....S+.b....
0010: 6A EC 92 37                j..7
]
]
]
Algorithm: [SHA256withRSA]
Signature:
0000: 27 D6 9F 3A AC 3F 12 AB C7 DE E9 BE 54 1D 96 5F '...?.....T...
0010: 9B 38 75 C6 C4 48 6A 38 4C 1E 2A 46 E9 59 19 3B .8u..Hj8L.*F.Y.7
0020: 0E 32 4B 3F 30 B5 42 4C 1A FE 2C C2 6C F1 E6 02 .2K?0.BL...l...
0030: 50 88 0F 28 2F 45 AD 42 37 C3 C7 03 EF E9 64 22 P..(E.B7....d*
0040: B5 D9 E0 2A 9E 08 D9 E5 3B ED 04 B5 A0 6B 0B 62 ...*...;...k.b
0050: 9B 64 CA 4D 0A 6B 35 B0 1D E8 A0 CE D4 SD CF 93 .d.M.k5.....]..
0060: FB AA F7 11 B1 C1 08 2D 2D EA 34 79 EF 12 54 5F .....4y..T
0070: E8 AC 30 83 3C 83 DA 22 5E 30 82 A9 AE 78 7A 0F ..0.<...*=...xt.
0080: 32 80 D1 17 7B AD FC 8C 95 95 DA 7E 86 47 94 B8 2.....u..6..
0090: 5C 92 6F E6 30 8C B7 62 12 E3 D7 9F EB DE F7 07 \.o.0.b.....
00A0: 21 B6 8D 61 53 44 EF 53 62 31 23 43 94 0B 87 4F !..aSD.Sb#C...0
00B0: CC B1 C9 36 40 37 52 A8 D2 82 90 75 0E 96 7D 82 ..0@7R....u....
00C0: 90 36 99 EA EC 1F 52 DF 92 D4 AB 0E 79 F8 CE 2B .6....R....y..+
00D0: A7 A6 5A 14 ED 9D DB 76 86 2A 29 86 E6 70 7F 8E ..Z...v.*)..p..
00E0: 19 A9 79 44 76 A5 E6 C6 79 62 88 E7 B9 63 2F B9 ..yDv...yb...p/.
00F0: FE 87 76 88 67 9B 00 B7 CA 81 51 9A D1 58 FF FE ..v.g.....Q..X..
]

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

```

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

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

- Execute the script using the following commands:

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

Figure 4–11 Starting Post Installation

```

[ofssobp@mum00ad1.fmw]$ ./obp-ui-post-install.sh
DOMAIN_NAME               : ui_domain
DOMAIN_DIRECTORY_LOCATION : /scratch/app/product/fmw/user_projects/domains
ADMIN_SERVER_LISTEN_ADDRESS : 10.180.85.196
ADMIN_SERVER_LISTEN_PORT   : 7001
MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.196
MANAGED_SERVER_SSL_LISTEN_PORT : 8002
MANAGED_SERVER_LISTEN_PORT : 8001
WEBLOGIC_USERNAME         : weblogic
WEBLOGIC_PASSWORD        : weblogic1
UI_IP                     : 10.180.85.196
UI_TARGET                 : /scratch/install/target
UI_MW_HOME                : /scratch/app/product/fmw
KEYSTORE_PASSWORD        : welcome1
UI_SSL_PASSWORD           : welcome1
INSTALL_AS                : ofssobp
HOST_ADMIN_SERVER_LISTEN_ADDRESS : 10.180.85.195
HOST_ADMIN_SERVER_LISTEN_PORT : 7001
HOST_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.195
HOST_MANAGED_SERVER_LISTEN_PORT : 8001
SOA_MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.159
SOA_MANAGED_SERVER_LISTEN_PORT : 8001
LDAP_PROVIDER             : OI1
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 4–12 Starting Post Installation (contd)

```

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

```

Figure 4–13 Continuation of Post-Installation

```

USER_TIMEZONE          : +5:30
IPM_USERNAME          : weblogic
IPM_PASSWORD          : weblogic1
FTP_IPM_USERNAME      : ofssobp
FTP_IPM_PASSWORD     : ofssobp123
FTP_IPM_BATCH_USERNAME : ofssobp
FTP_IPM_BATCH_PASSWORD : ofssobp123
HOST_UNIX_USER       : ofssobp
BIP_SERVER_IP        : 10.180.6.143
Please take your time and go through the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.
y
Post-installation will begin in sometime...
ofssobp@10.180.6.143's password:
1l8nAPI_v3.jar                               100% 904KB 904.4KB/s 00:00
1l8nAPI_v3.jar copied from BIP machine
ofssobp@10.180.6.143's password:
xdocore.jar                                  100% 9060KB 8.9MB/s 00:01
xdocore.jar copied from BIP machine
ofssobp@10.180.6.143's password:
versioninfo.jar                              100% 6204KB 6.1MB/s 00:00
versioninfo.jar copied from BIP machine
ofssobp@10.180.6.143's password:
imaging-client.jar                           100% 863KB 863.3KB/s 00:00
imaging-client.jar copied from IPM machine
ofssobp@10.180.6.143's password:
oracle.ucm.ridc-11.1.1.jar                   100% 619KB 618.9KB/s 00:00
oracle.ucm.ridc-11.1.1.jar copied from IPM machine
Certificate stored in file <mum00adi.in.oracle.com.cer>
Certificate was added to keystore
Certificate was added to keystore
Certificate stored in file <orakey.crt>
Logging WLS stderr to /scratch/app/product/fmw/user_projects/domains/ui_domain/servers/AdminServer/stderr.log
-----
/scratch/app/product/fmw/obpinstall/obp
ofssobp@10.180.85.159's password:

```

Figure 4–14 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:
1l8nAPI_v3.jar                               100% 904KB 904.4KB/s 00:00
1l8nAPI_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]$ █

```

Here during post installation part, at last execute the libovdadapterconfig script to create two adapters from the template. During execution, it will prompt for password. Pass weblogic console password (for example, weblogic1).

7. For monitoring the script run check the following log files created under the ui domain directory:
 - obp-ui-install-log.txt
 - obp-ui-install-log-py.txt
8. Restart UI admin and UI managed server.

5 Standalone Database Setup

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

5.1 Pre-Installation Steps

The following steps should be completed prior to the process of executing the installation steps for the OBEDM DB mentioned in [Section 5.2 OBEDM Database Setup – RCU Installation](#):

1. Oracle Database Enterprise Edition 19c 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.

5.2 OBEDM Database Setup – RCU Installation

The steps that should be performed to create the OBEDM Host DB schema are provided in [Section 5.3.1 Host DB Schema Creation and Verification](#)

For other RCU schemas, while installing software on HOST and UI, specific RCU should execute to create schemas for 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 UI and HOST, respectively (please note, UI and HOST are the prefix in below schemas which is given during schema creation).

- 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.

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

HOST_OPSS, HOST_IAU_APPEND and HOST_IAU_VIEWER schemas are shared by UI also pointed during post installation of HOST and UI.

5.3 OBEDM Database Installation

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

5.3.1 Host DB Schema Creation and Verification

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

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

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

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

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

createobp.sql execution

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

5.3.2 HOST DB schema ddl execution

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

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

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

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

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

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

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

5.3.3 HOST DB Schema Seeding

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

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

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

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

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

5.3.4 System Configuration DB Update Script Execution

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

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

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

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

```
C:> D:
C:> cd D:\script
D:\seed > sqlplus DEV_OBEDM@welcome1@OBEDMDB
D:\seed > @updateSystemDetails.sql
```

After above sql execution, execute following queries in application schema (i.e. DEV_OBEDM@welcome1@OBEDMDB).

For enabling Local Policy Store instead of OPSS:

```
UPDATE FLX_FW_CONFIG_ALL_B SET PROP_VALUE = 'SQL' WHERE CATEGORY_ID =
'SecurityConstants'
```

```
AND PROP_ID = 'AuthorizationServiceProvider';
```

Figure 5–1 Enable Local Policy Store



For enabling local role based menu:

5.3 OBEDM Database Installation

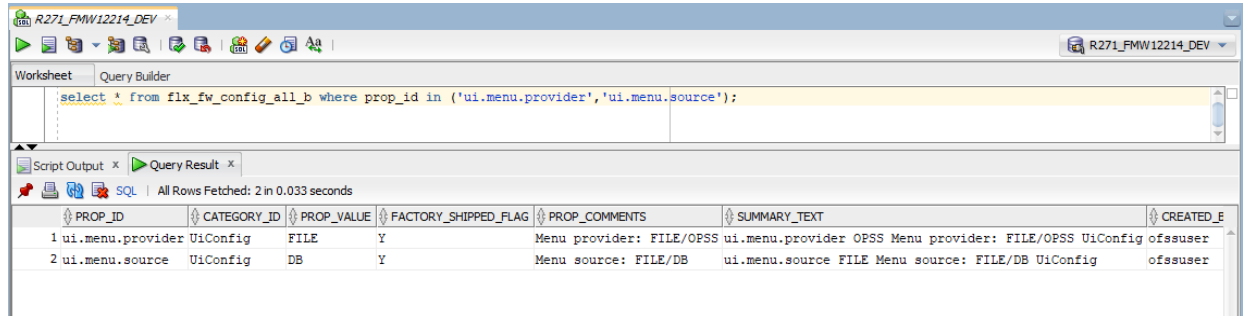
UPDATE flx_fw_config_all_b SET prop_value = 'FILE' WHERE prop_id = 'ui.menu.provider';

UPDATE flx_fw_config_all_b SET prop_value = 'DB' WHERE prop_id = 'ui.menu.source';

Verify using below query:

Select * from flx_fw_config_all_b WHERE prop_id IN ('ui.menu.provider','ui.menu.source');

Figure 5–2 Enable Local Role Based Menu



The screenshot shows the Oracle SQL Developer interface. The top window is titled 'R271_FMW12214_DEV'. Below the title bar, there are icons for various database operations. The main area is split into two panes: 'Worksheet' and 'Query Builder'. The 'Worksheet' pane contains the following SQL query:

```
select * from flx_fw_config_all_b where prop_id in ('ui.menu.provider','ui.menu.source');
```

The 'Query Result' pane shows the output of the query. It displays a table with the following columns: PROP_ID, CATEGORY_ID, PROP_VALUE, FACTORY_SHIPPED_FLAG, PROP_COMMENTS, SUMMARY_TEXT, and CREATED_E. The table contains two rows of data:

PROP_ID	CATEGORY_ID	PROP_VALUE	FACTORY_SHIPPED_FLAG	PROP_COMMENTS	SUMMARY_TEXT	CREATED_E
1 ui.menu.provider	UiConfig	FILE	Y	Menu provider: FILE/OPSS	ui.menu.provider OPSS Menu provider: FILE/OPSS	UiConfig ofssuser
2 ui.menu.source	UiConfig	DB	Y	Menu source: FILE/DB	ui.menu.source FILE Menu source: FILE/DB	UiConfig ofssuser

6 OBEDM and IPM Integration

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

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

- [Section 6.1 IPM Application Setup for OBEDM Content Management](#)
- [Section 6.2 IPM Report Upload Setup](#)

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

6.1 IPM Application Setup for OBEDM Content Management

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

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

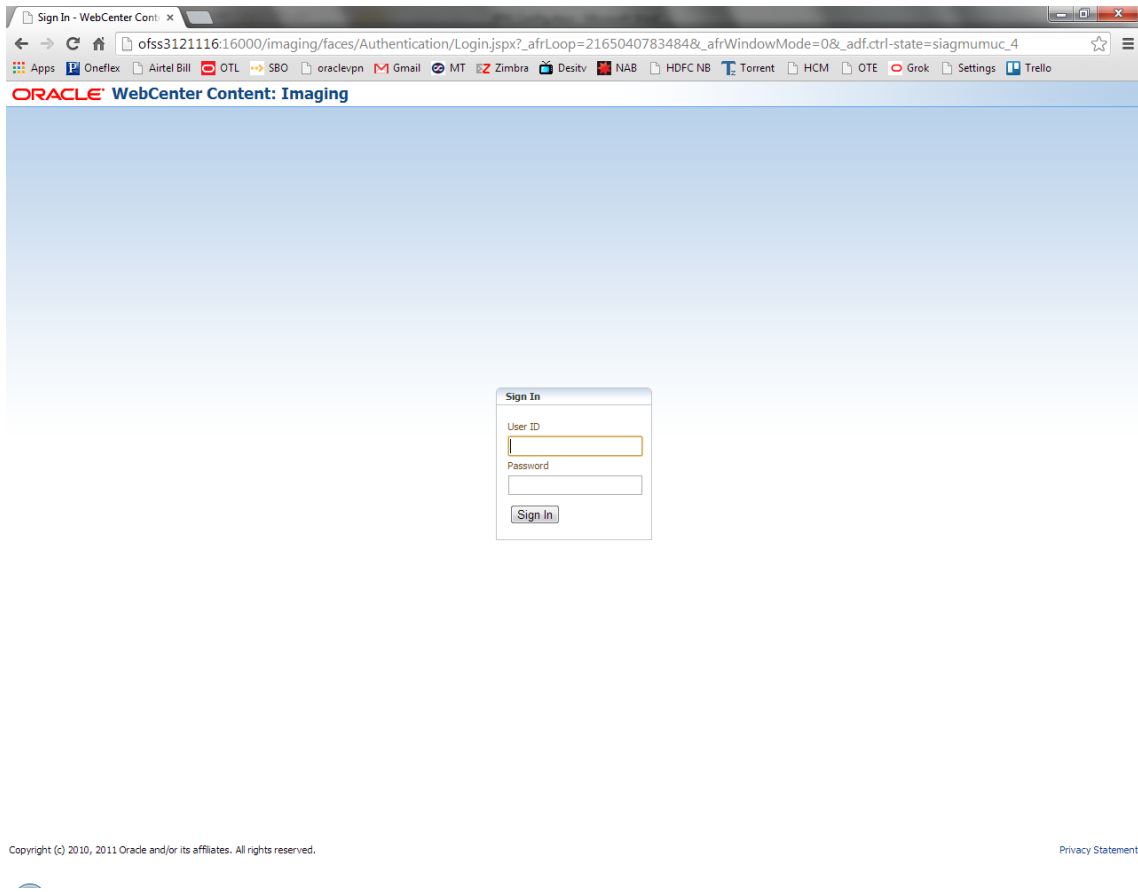
6.1.1 UCM Connection

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:

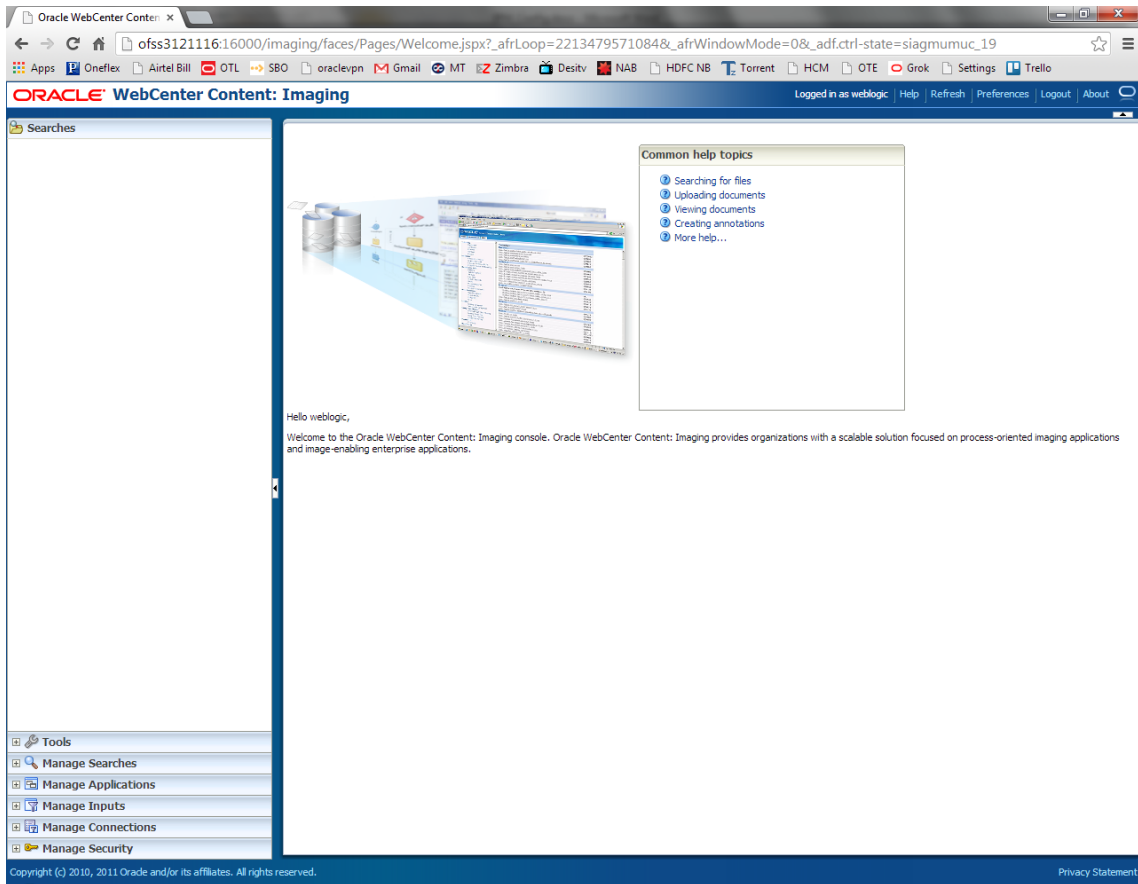
`http://hostname:16000/imaging`

Figure 6–1 IPM Imaging Console - Login page



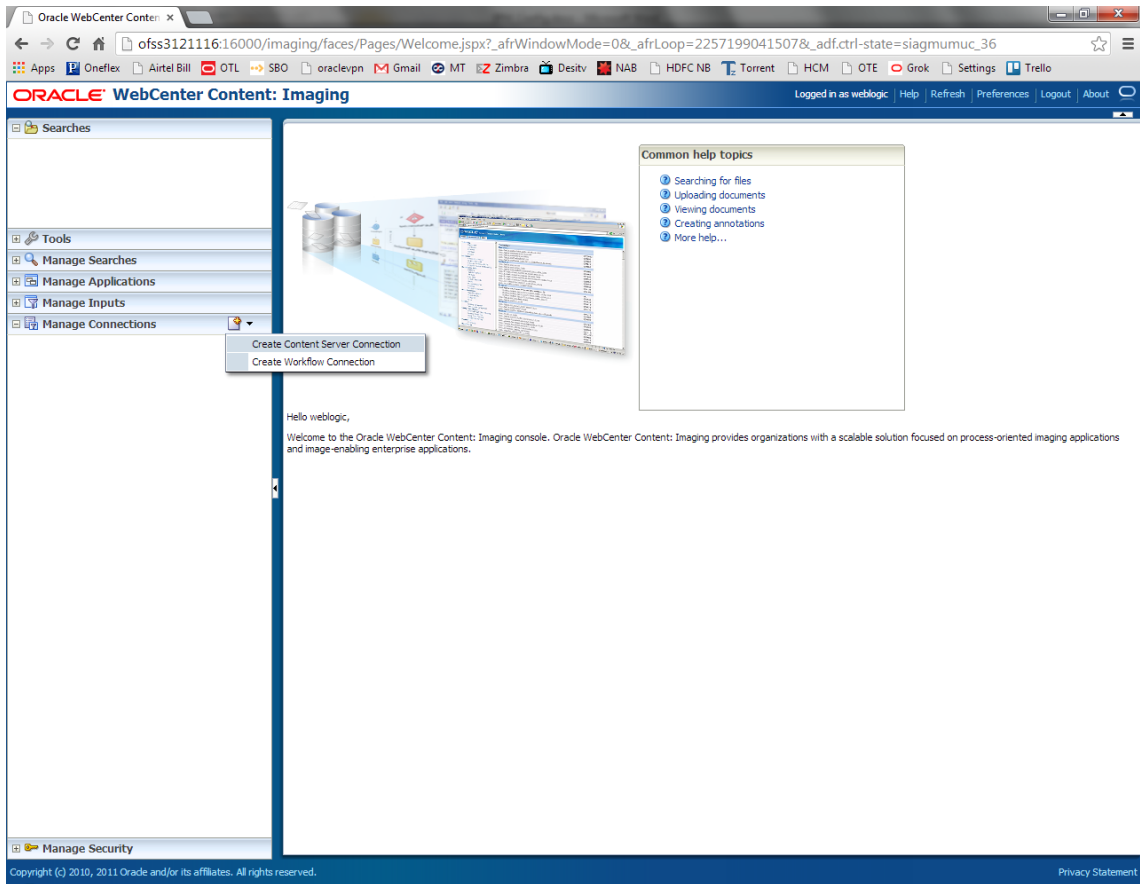
2. Enter the user ID and password set during IPM installation.

Figure 6–2 IPM - Welcome page



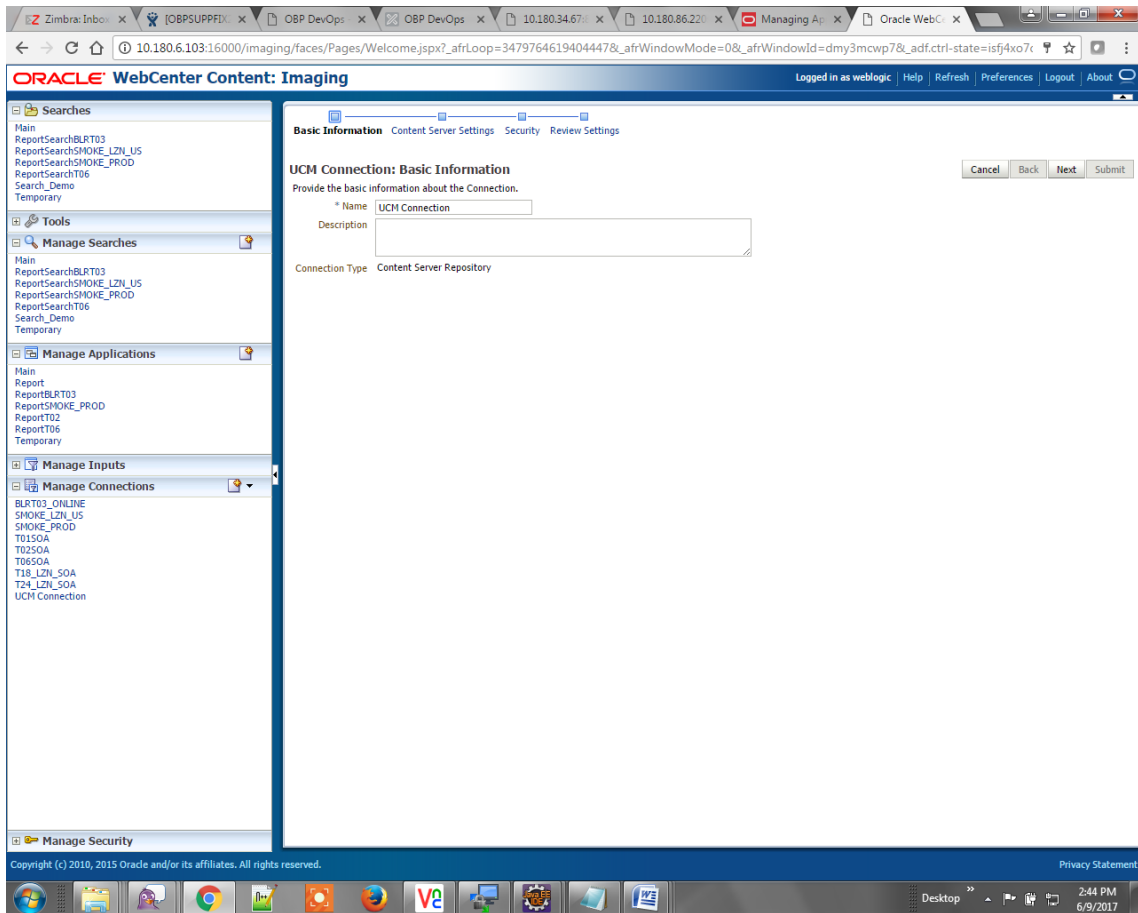
3. Navigate to Manage Connection and select Create Content Server Connection.

Figure 6–3 Create Content Server Connection



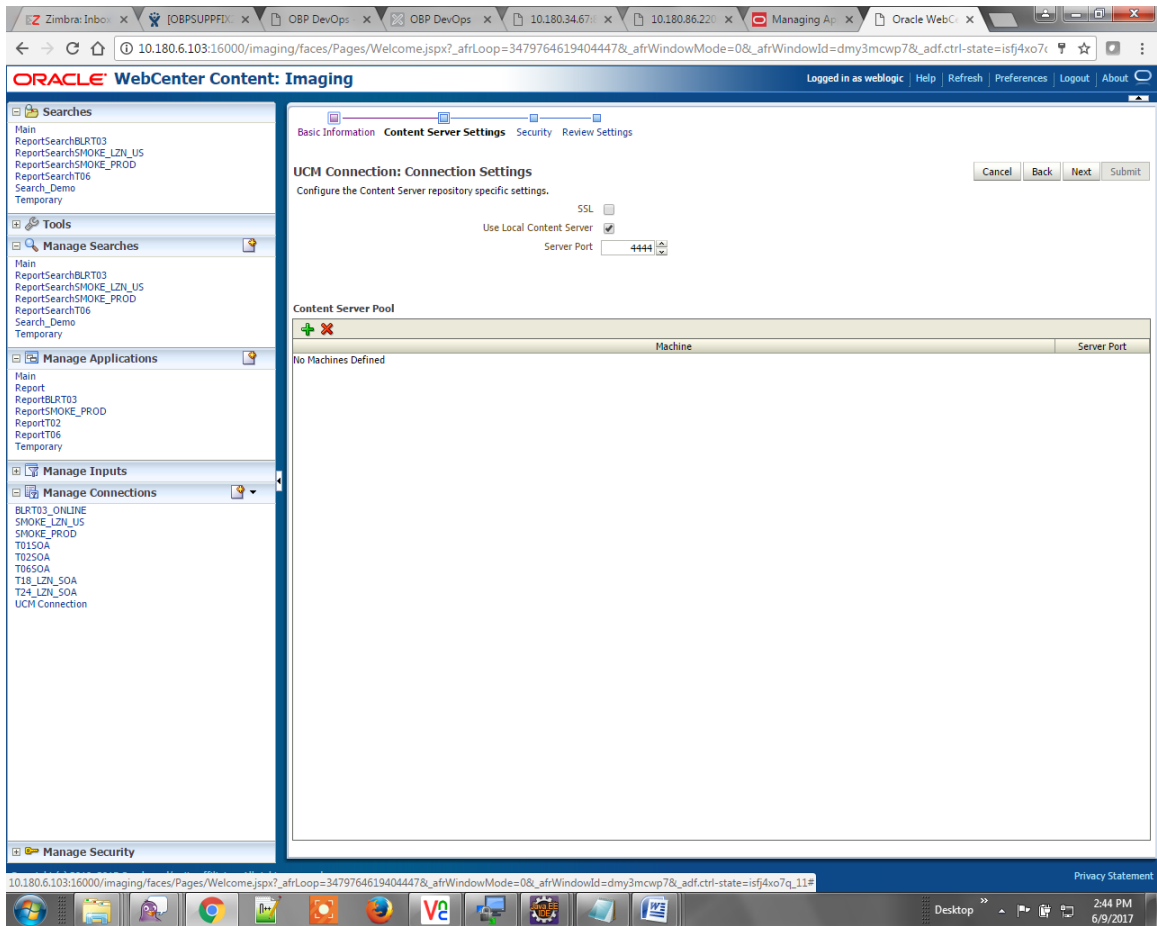
4. In the Basic Information stage, enter the name and description for Content Server Connection as UCM Connection and click Next.

Figure 6–4 UCM: Basic information



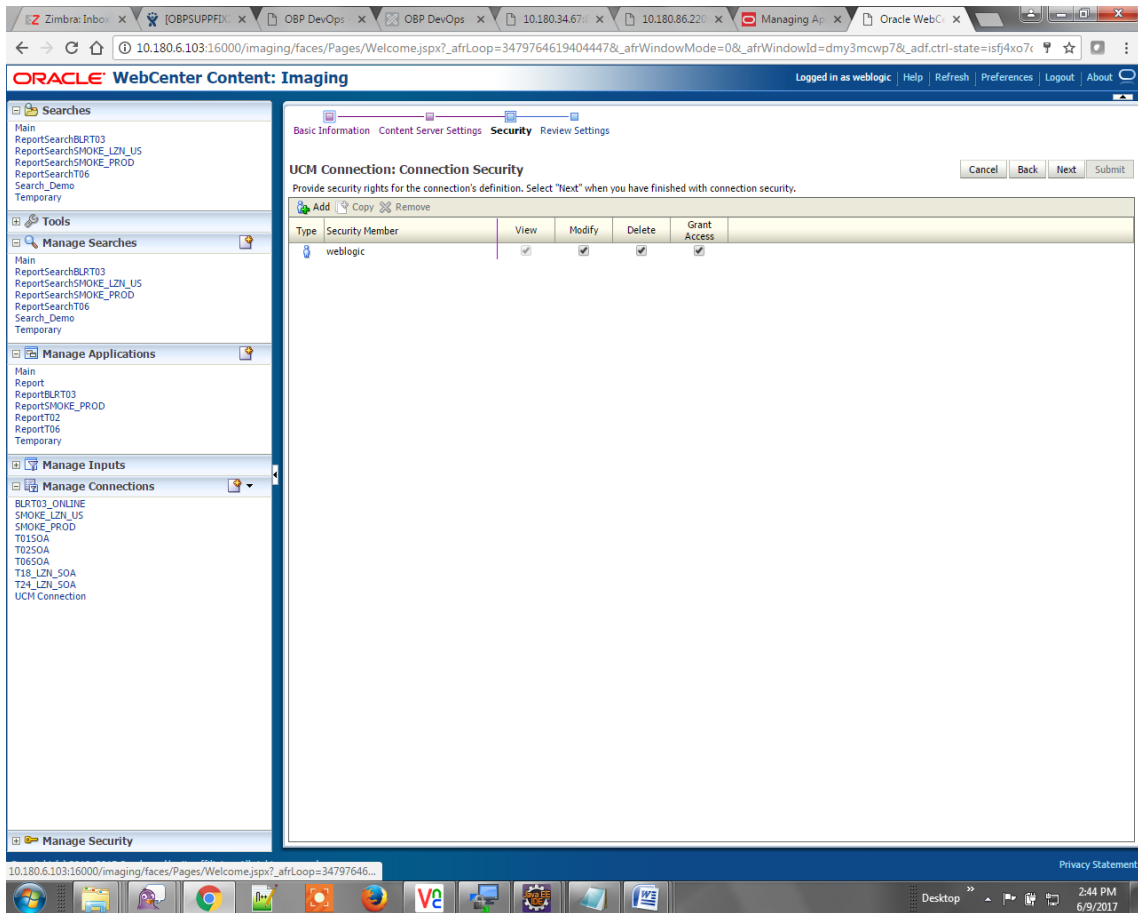
5. In the Content Server Settings page, select the Use Local Content Server check box and select the Server Port as 4444. Click Next.

Figure 6–5 UCM: Connection Settings



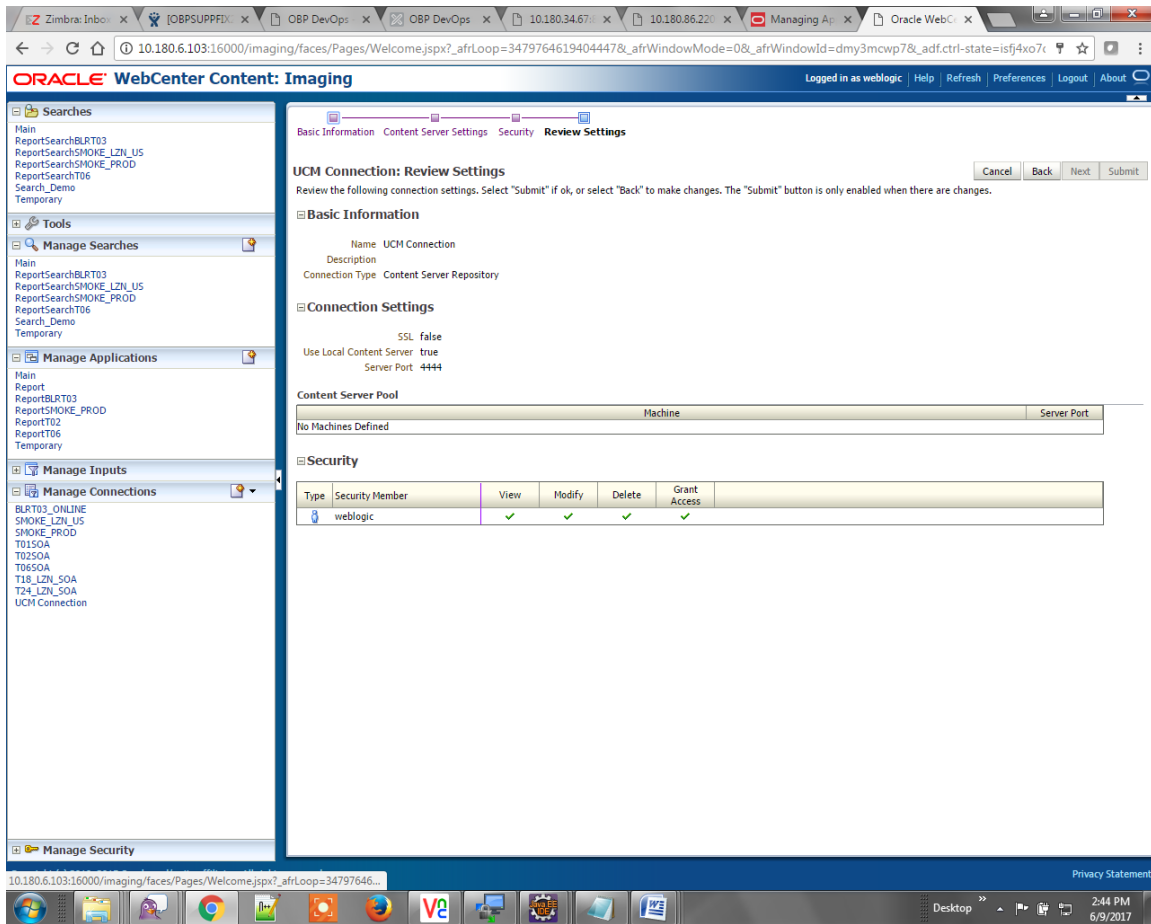
- In the Security stage, select security rights for connection definition as shown below and click Next. If weblogic security member is not present, create it by clicking Add.

Figure 6–6 UCM: Connection Security



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

Figure 6–7 UCM: Review Settings



6.1.2 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.

6.1.2.1 Manage Application Configuration

To manage application configuration:

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

Figure 6–8 Main: General Properties

The screenshot shows the Oracle WebCenter Content: Imaging interface. The browser address bar displays the URL: 10.180.6.103:16000/imaging/faces/Pages/Welcome.jspx?_afrcLoop=3479764619404447&_afrcWindowMode=08&_afrcWindowId=dmy3mcwp78&_adf.ctrl-state=istf4xo7c. The page title is "ORACLE WebCenter Content: Imaging" and it shows the user is logged in as "weblogic".

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

- Searches
 - Main
 - ReportSearchBLRT03
 - ReportSearchSMOKE_LZH_US
 - ReportSearchSMOKE_PROD
 - ReportSearchT06
 - Search_Demo
 - Temporary
- Tools
- Manage Searches
- Manage Applications
 - Main
 - Report
 - ReportBLRT03
 - ReportSMOKE_PROD
 - ReportT02
 - ReportT06
 - Temporary
- Manage Inputs
- Manage Connections
- Manage Security

The main content area is titled "Main: General Properties" and includes the following tabs: General Properties, Field Definitions, Application Security, Document Security, Storage Policy, Workflow Configuration, and Review Settings. The "General Properties" tab is active.

The "Main: General Properties" section contains the following fields and options:

- Application Id: 2
- * Application Name: Main
- Description: (Empty text area)
- Repository: UCM Connection
- Full-Text Option:
 - None
 - Fast Check In
 - Full-Text Search

Buttons for "Cancel", "Back", "Next", and "Submit" are located at the top right of the form.

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

Figure 6–9 Main: Field Definitions

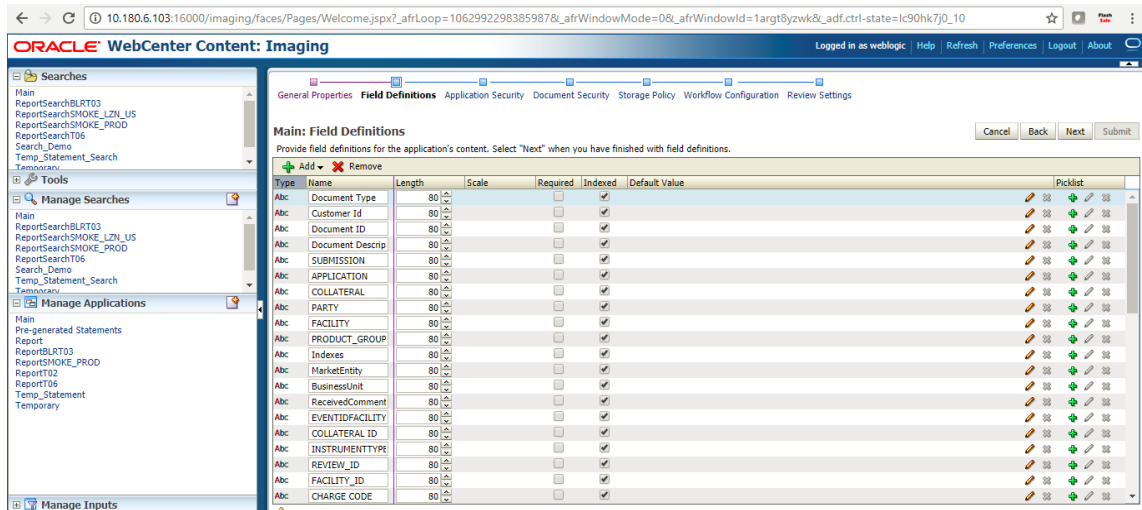
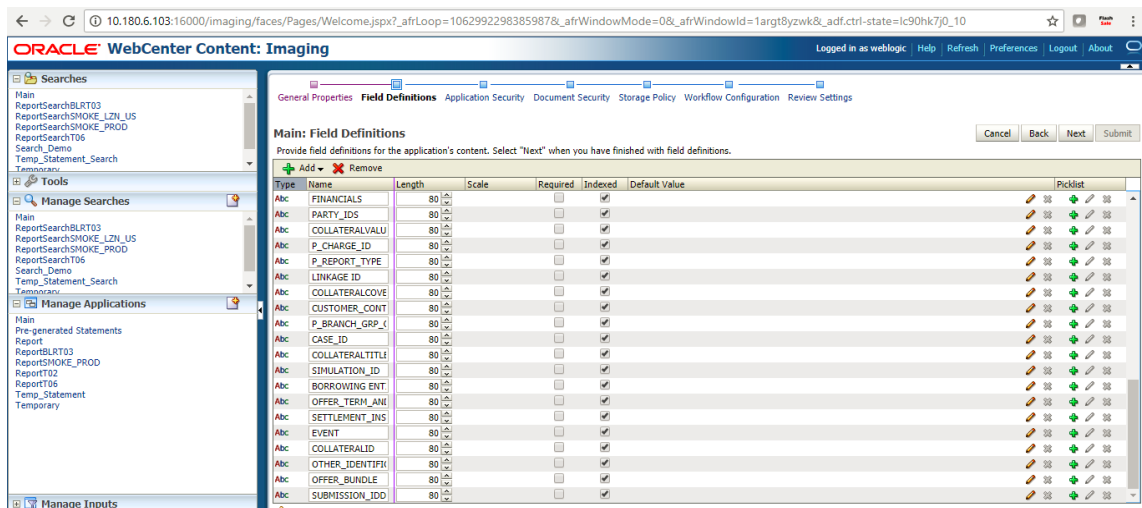


Figure 6–10 Field Definitions (cont.)



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

Figure 6–11 Main: Application Security

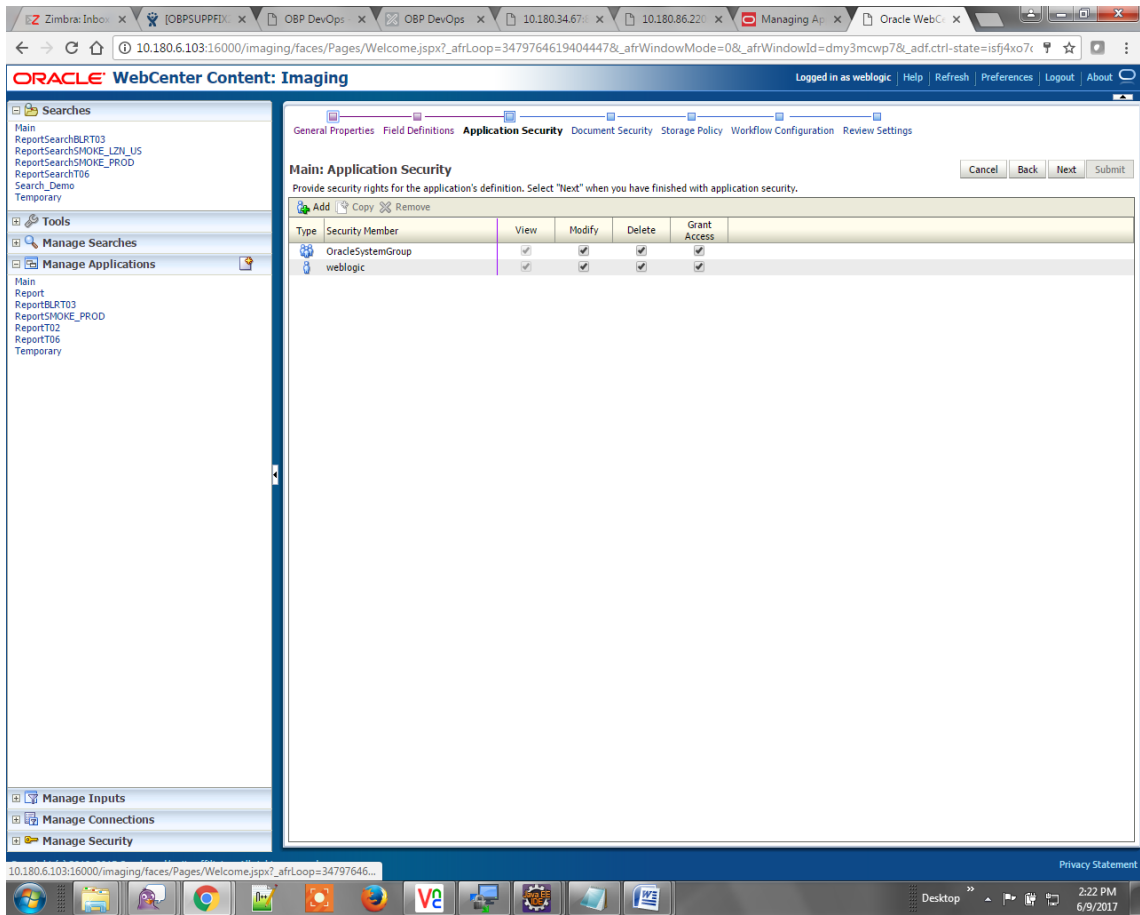
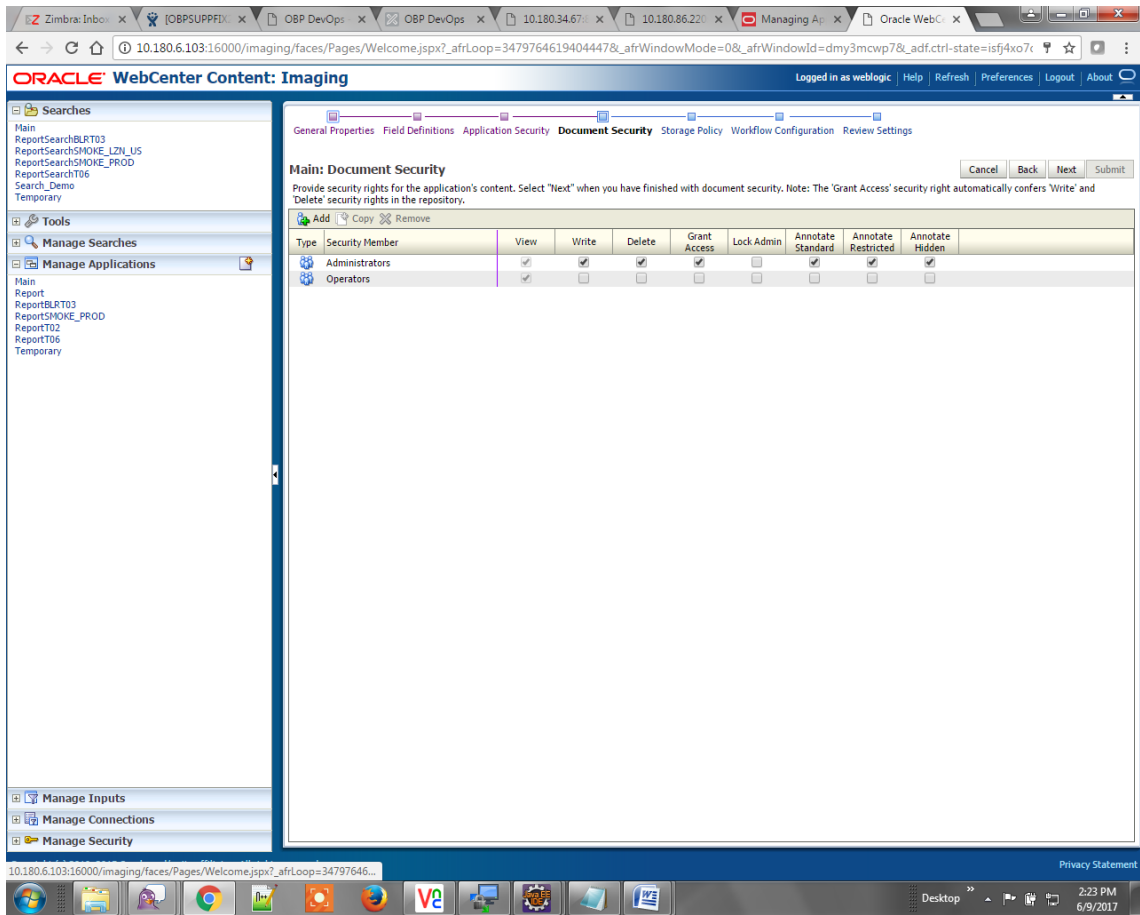
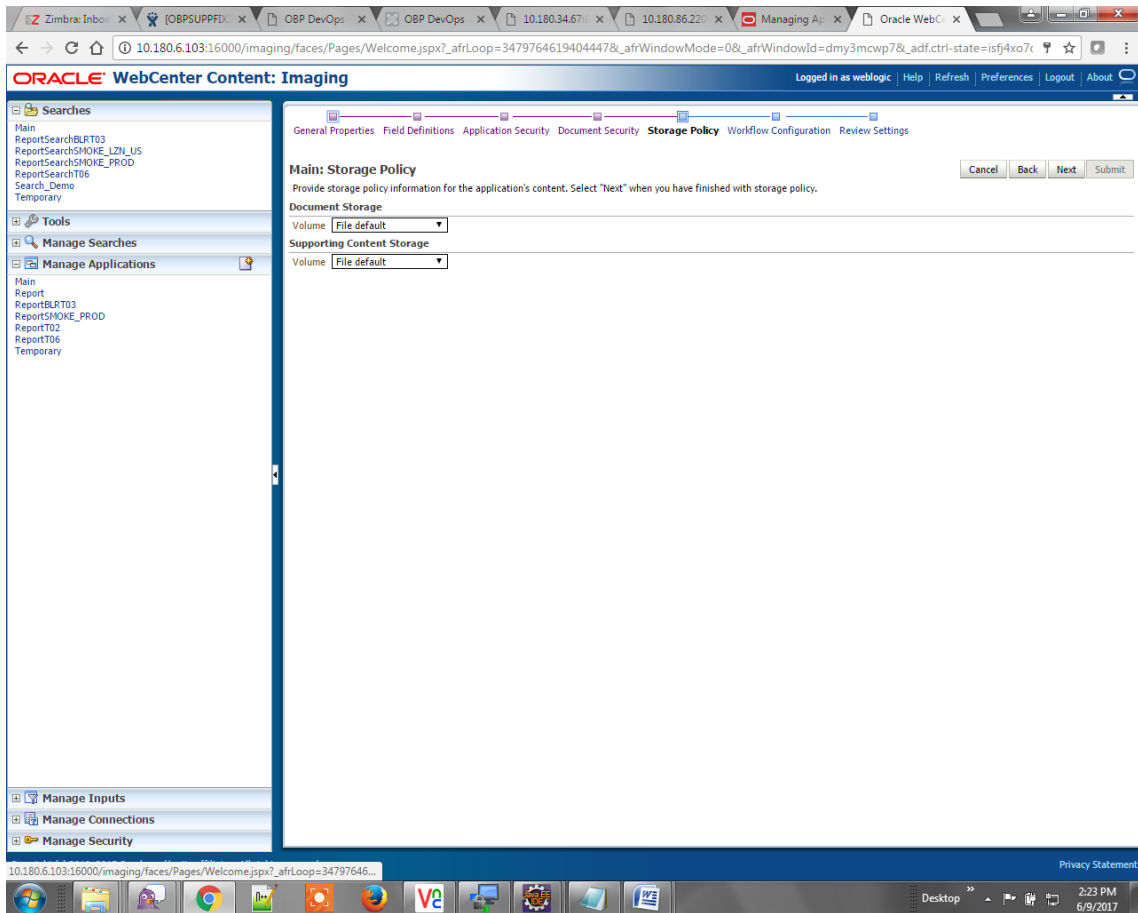


Figure 6–12 Main: Document Security



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

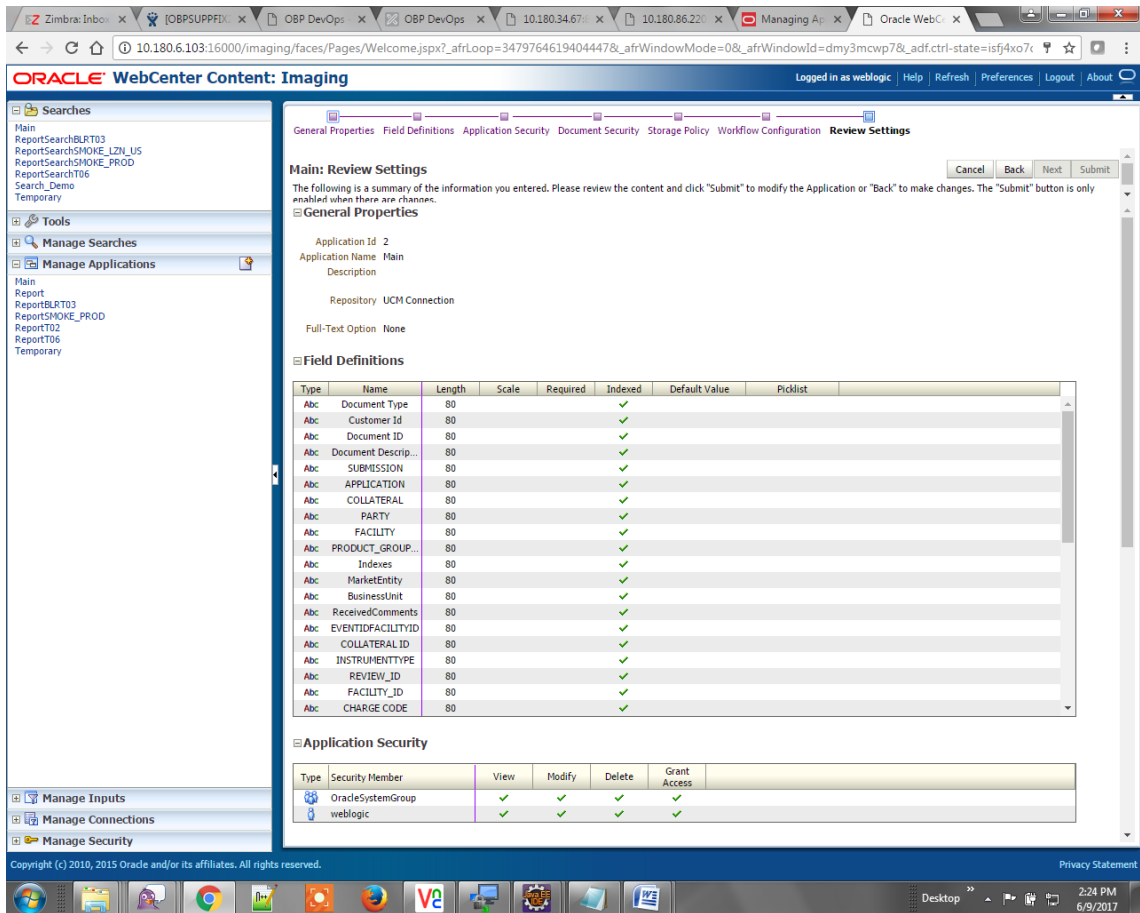
Figure 6–13 Main: Storage Policy



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

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

Figure 6–14 Main: Review Settings

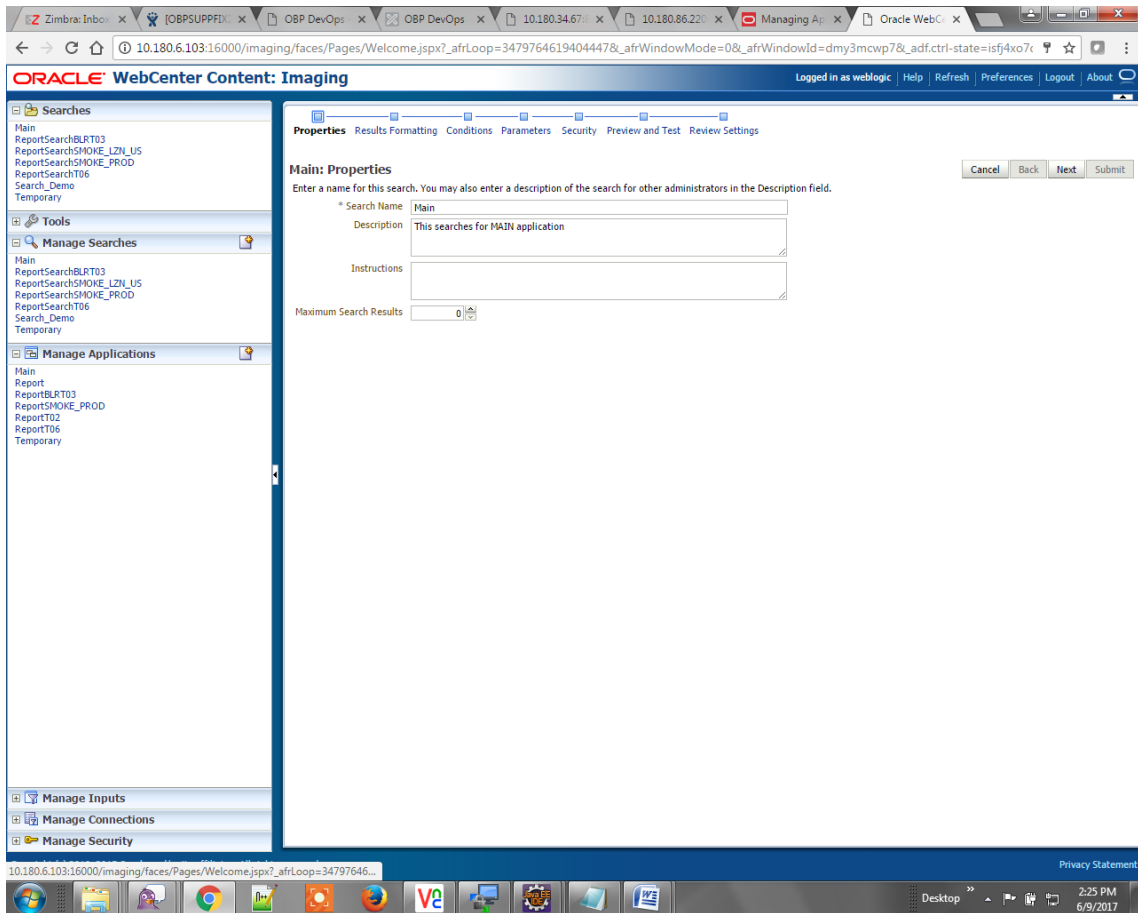


6.1.2.2 Manage Searches

To manage searches:

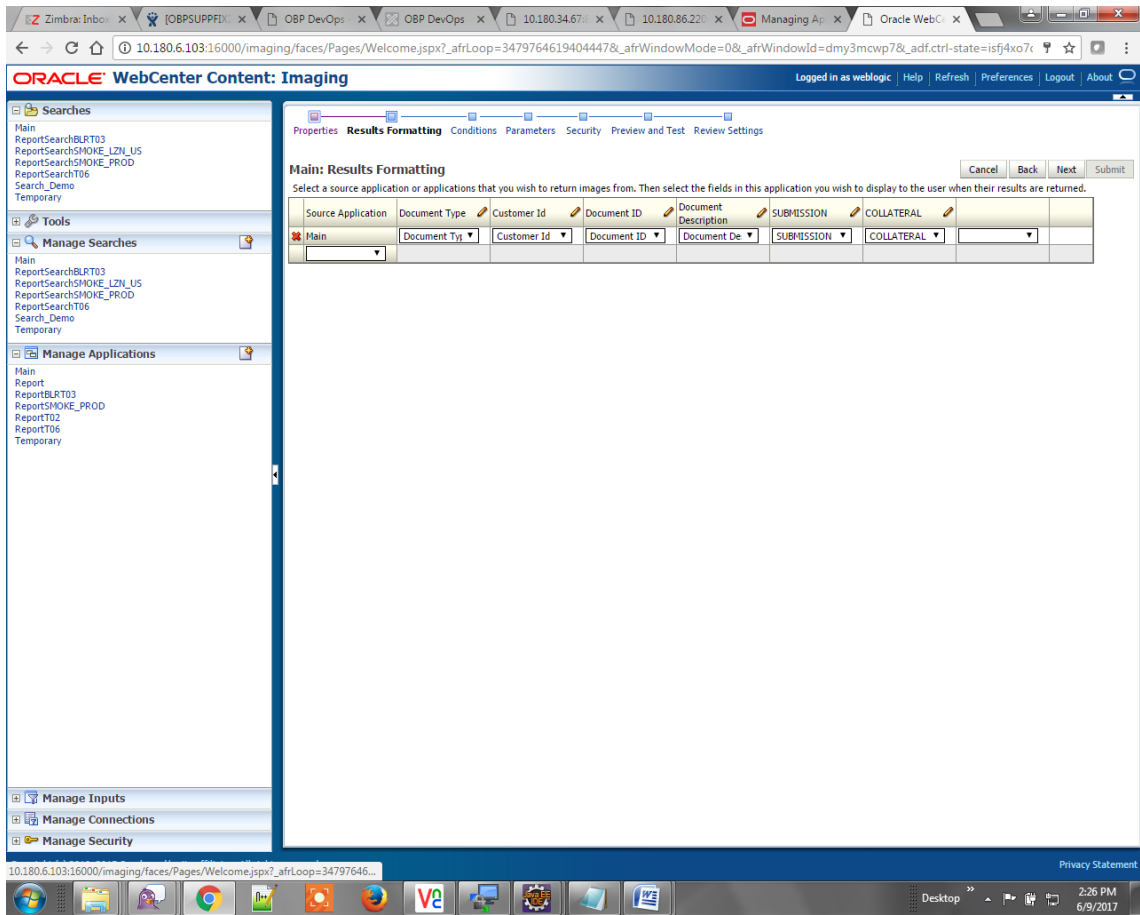
1. Click Manage Searches option and enter the search name with description.

Figure 6–15 Main: Properties



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

Figure 6–16 Main: Results Formatting



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

Figure 6–17 Main: Conditions

Oracle WebCenter Content: Imaging

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

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

Main: Conditions Cancel Back Next Submit

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

Application Selection: **Main**

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

Search Conditions

Application: Main

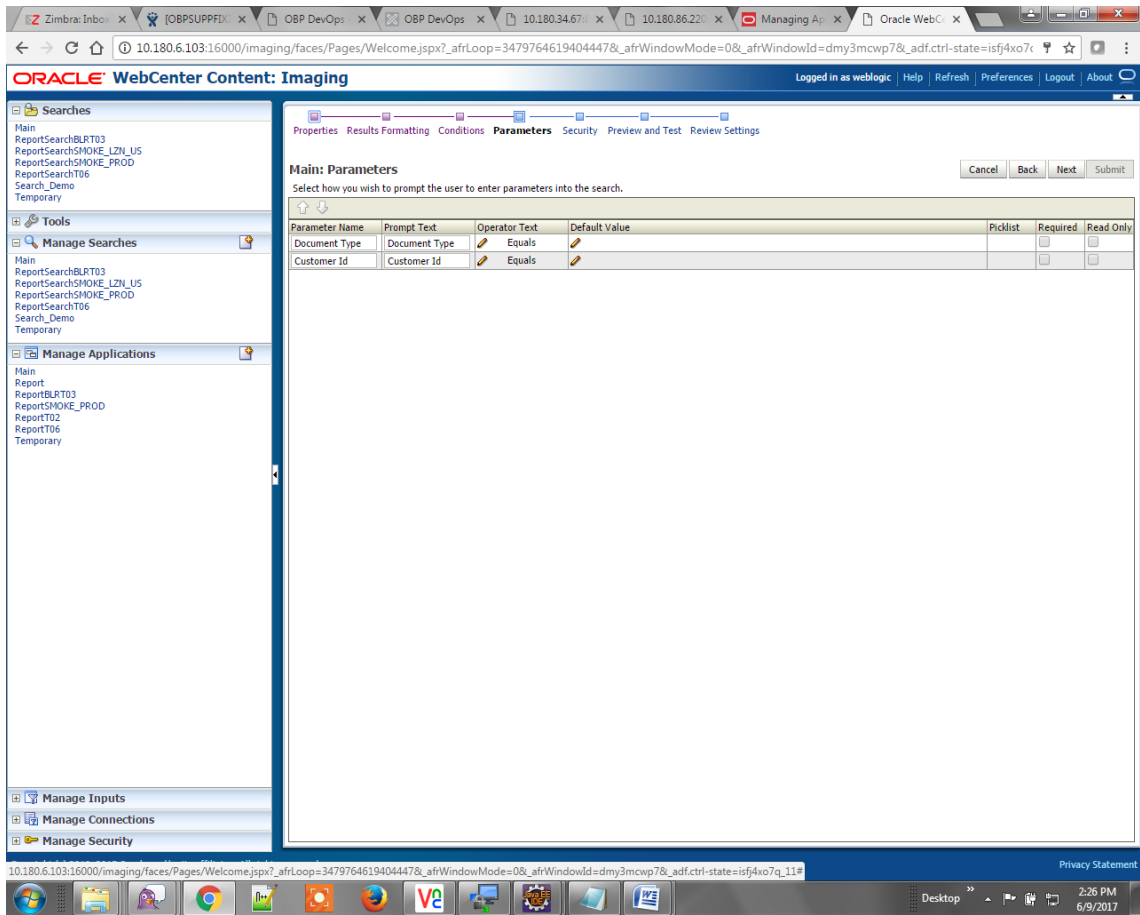
Field	Operator	Value	Conjunction
Document Type	Equals	Parameter - Document Type	Or
Customer Id	Equals	Parameter - Customer Id	

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

2:26 PM 6/9/2017

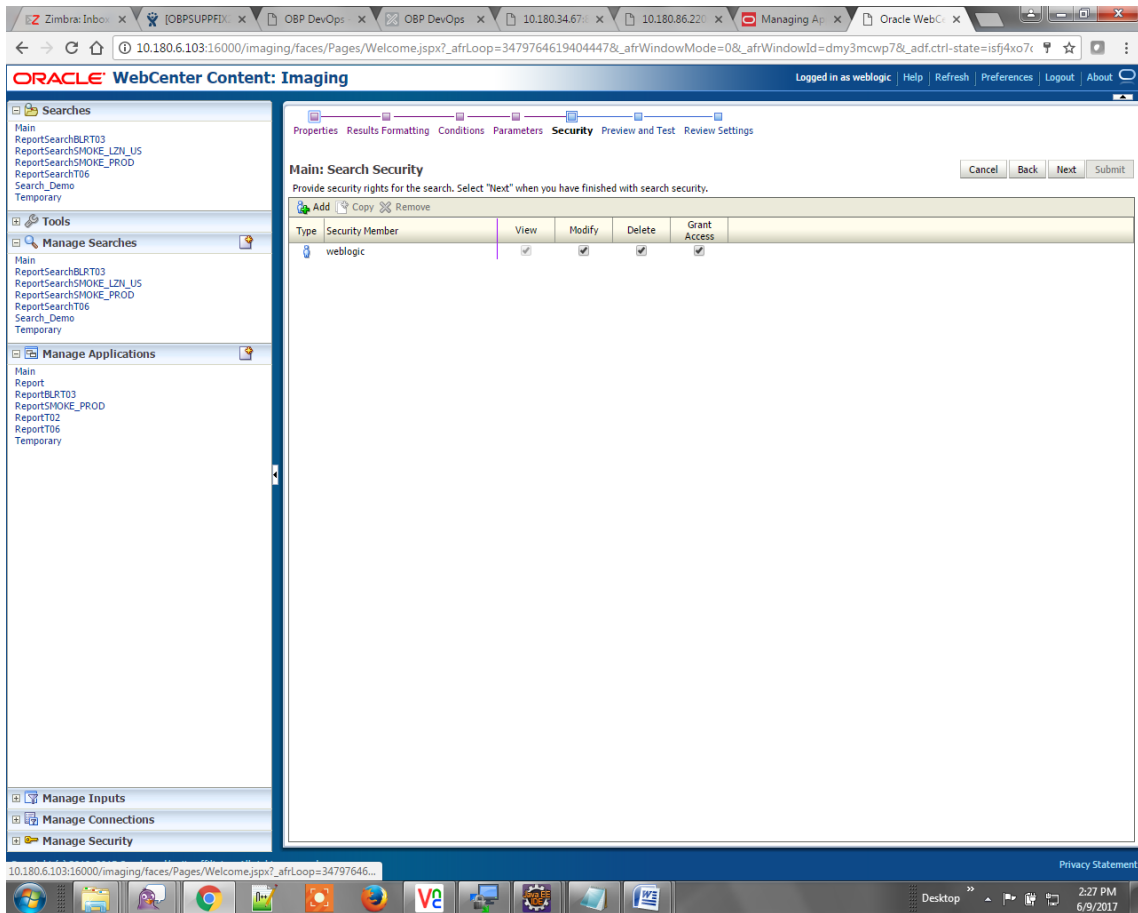
5. Select the appropriate settings in the Parameters page as shown below.

Figure 6–18 Main: Parameters



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

Figure 6–19 Main: Search Security



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

Figure 6–20 Main: Preview and Test

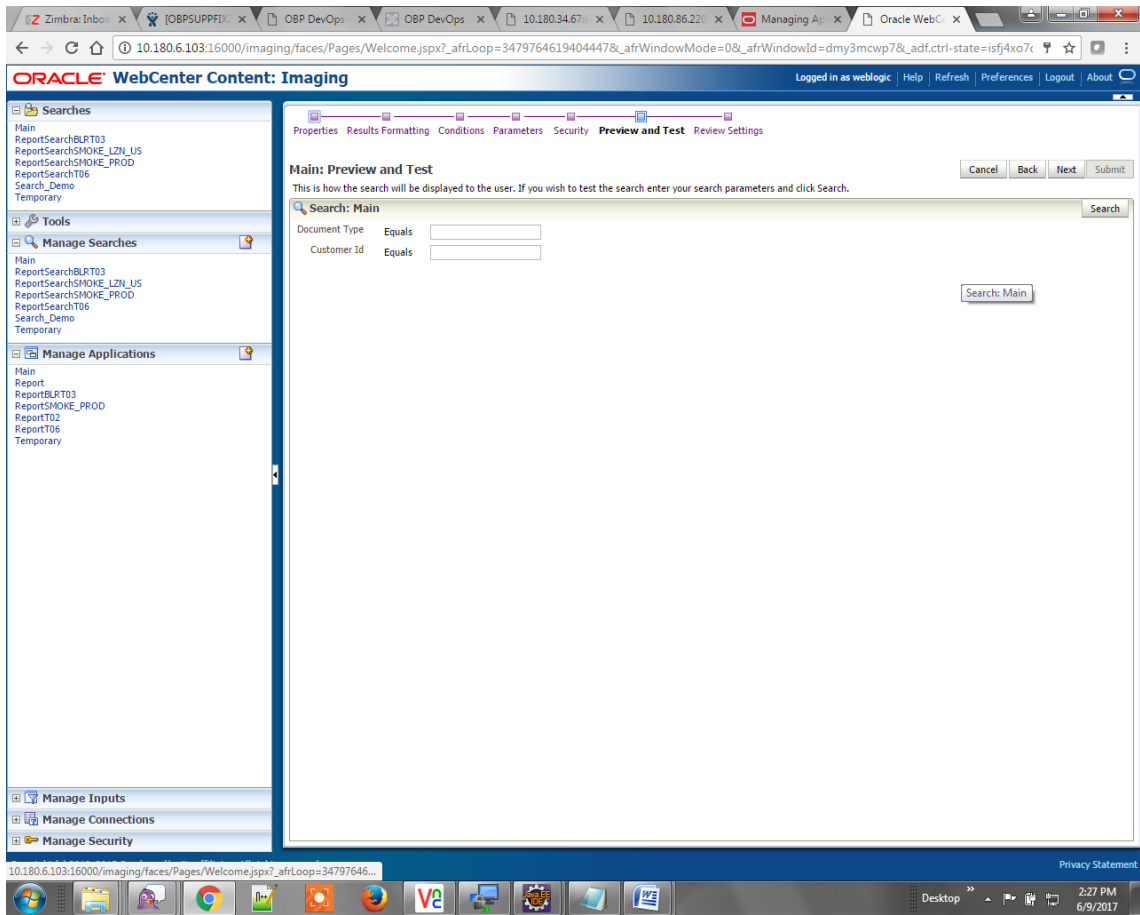


Figure 6–21 Main: Review Settings

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

Main: Review Settings [Cancel] [Back] [Next] [Submit]

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

Properties

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

Results Formatting

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

Conditions

Application: Main

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

Parameters

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

Security

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

Audit History

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

6.1.3 Temp Application Configuration

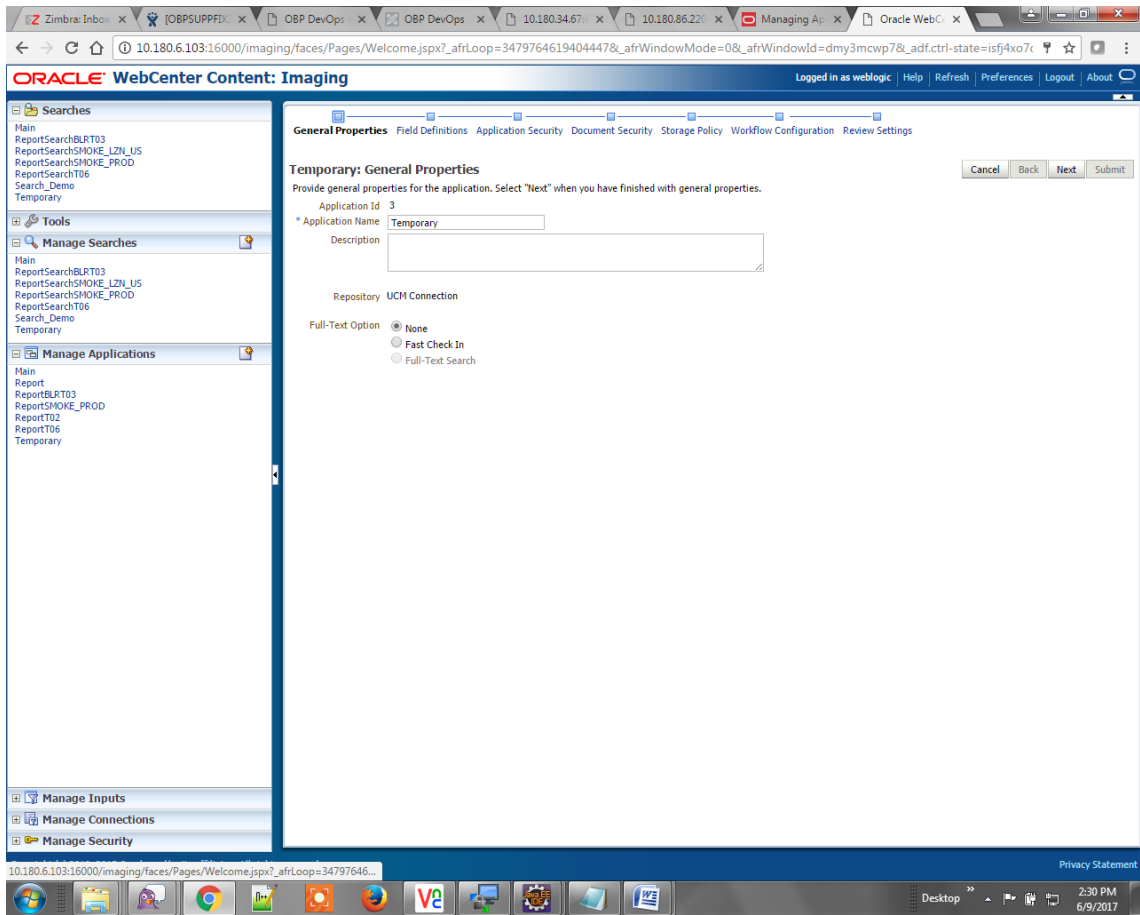
This section provides details about the temp application configuration.

6.1.3.1 Manage Application Configuration

To manage application configuration:

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

Figure 6–22 Temporary: General Properties



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

Figure 6–23 Temporary: Field Definitions

Oracle WebCenter Content: Imaging

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

Temporary: Field Definitions

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

Type	Name	Length	Scale	Required	Indexed	Default Value	Picklist
Abc	Document Type	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	Customer Id	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	FACILITY	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	Document Descrip	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	PRODUCT_GROUP	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	SUBMISSION	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	PARTY	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	Collateral ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	BORROWING ENTI	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>
Abc	COLLATERAL_ID	80		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>

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

Figure 6–24 Temporary: Application Security

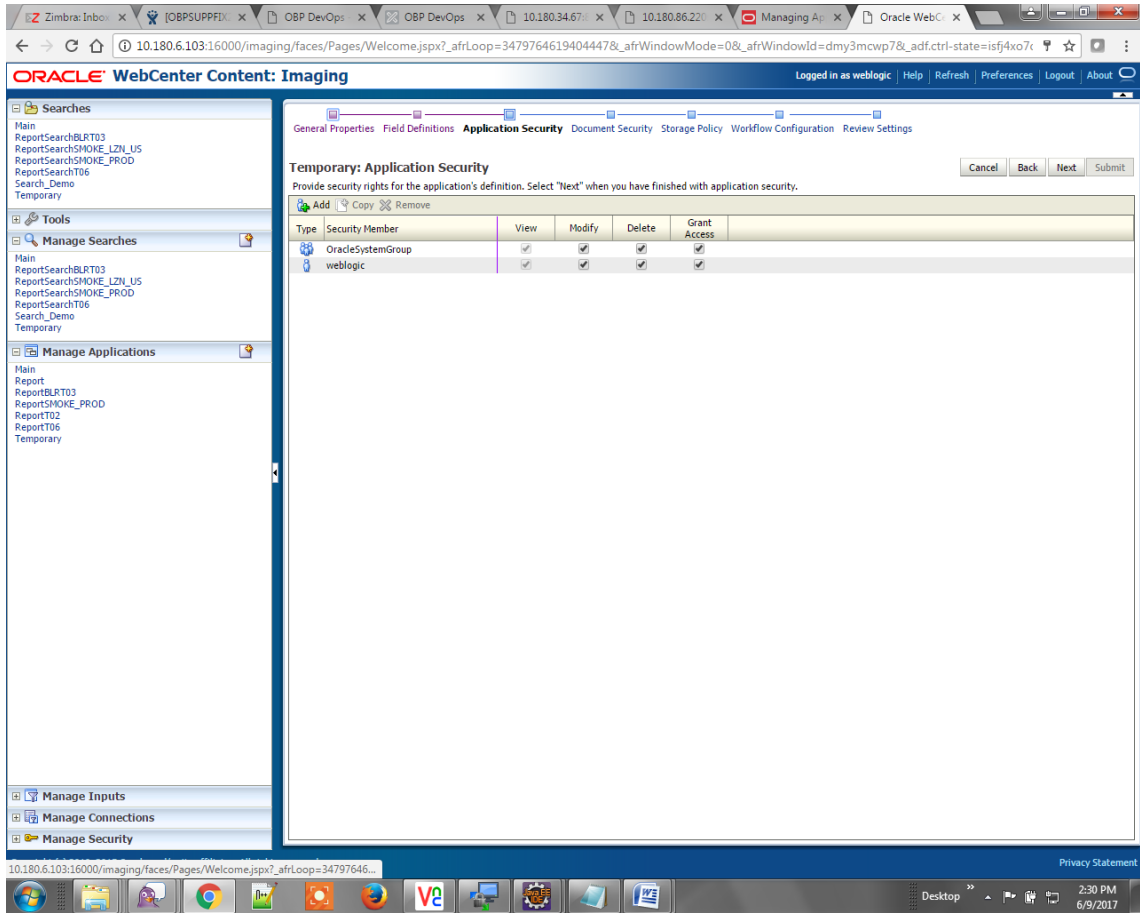


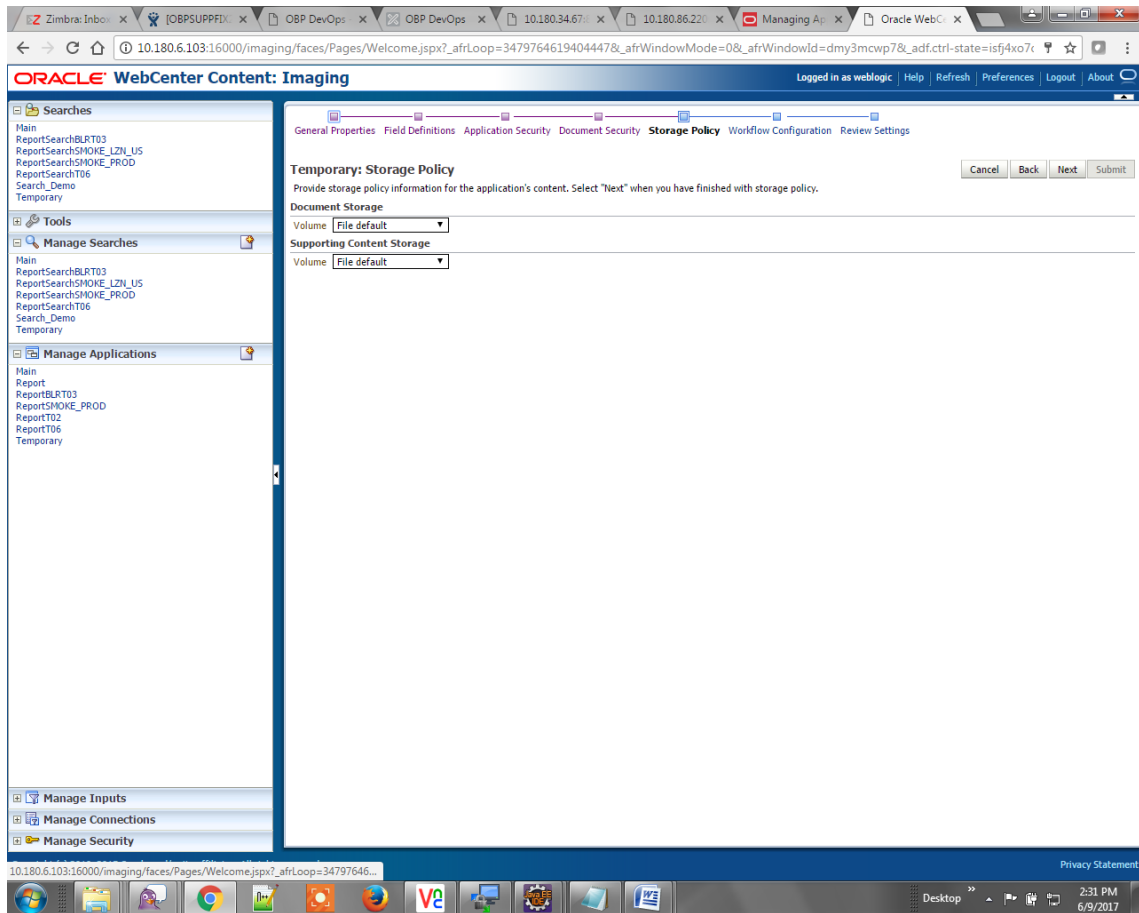
Figure 6–25 Temporary: Document Security

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

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

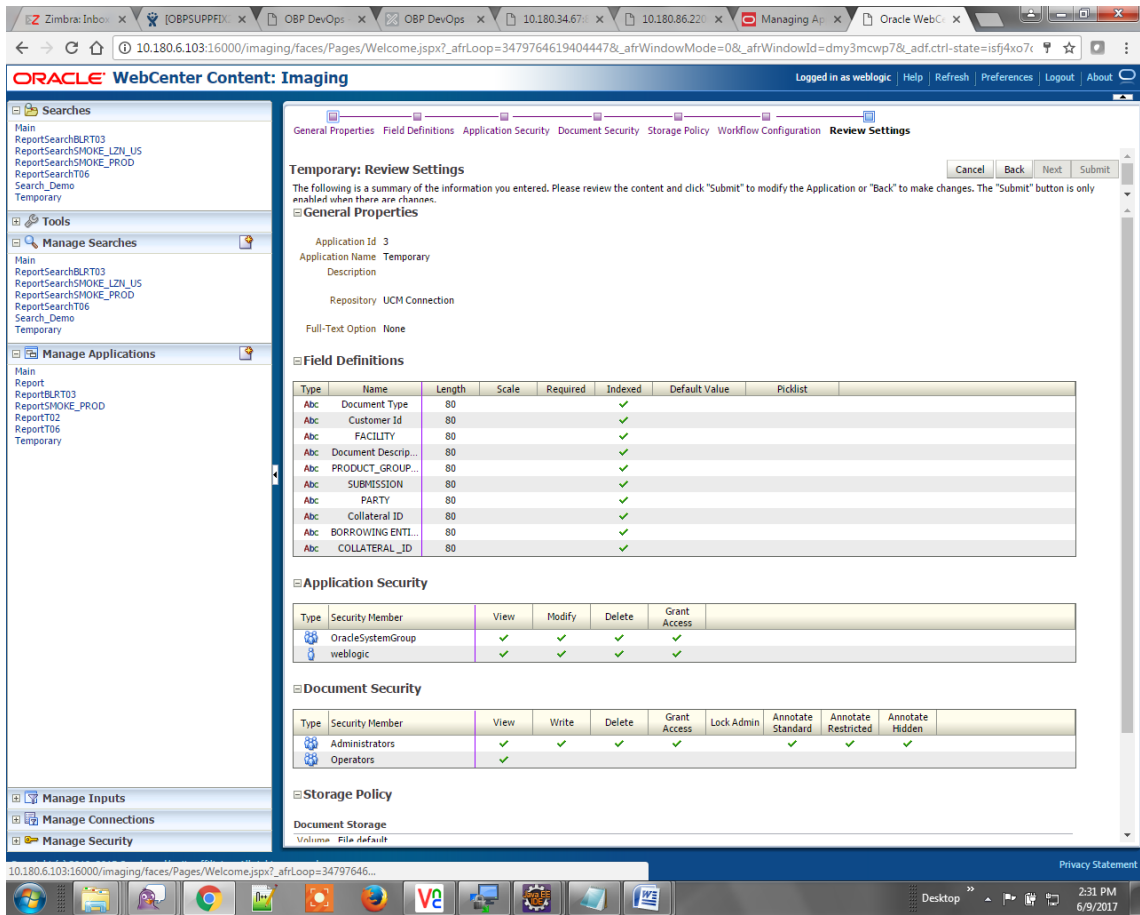
5. In the Storage Policy page, select the file default option has shown below.

Figure 6–26 Temporary: Storage Policy



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

Figure 6–27 Temporary: Review Settings

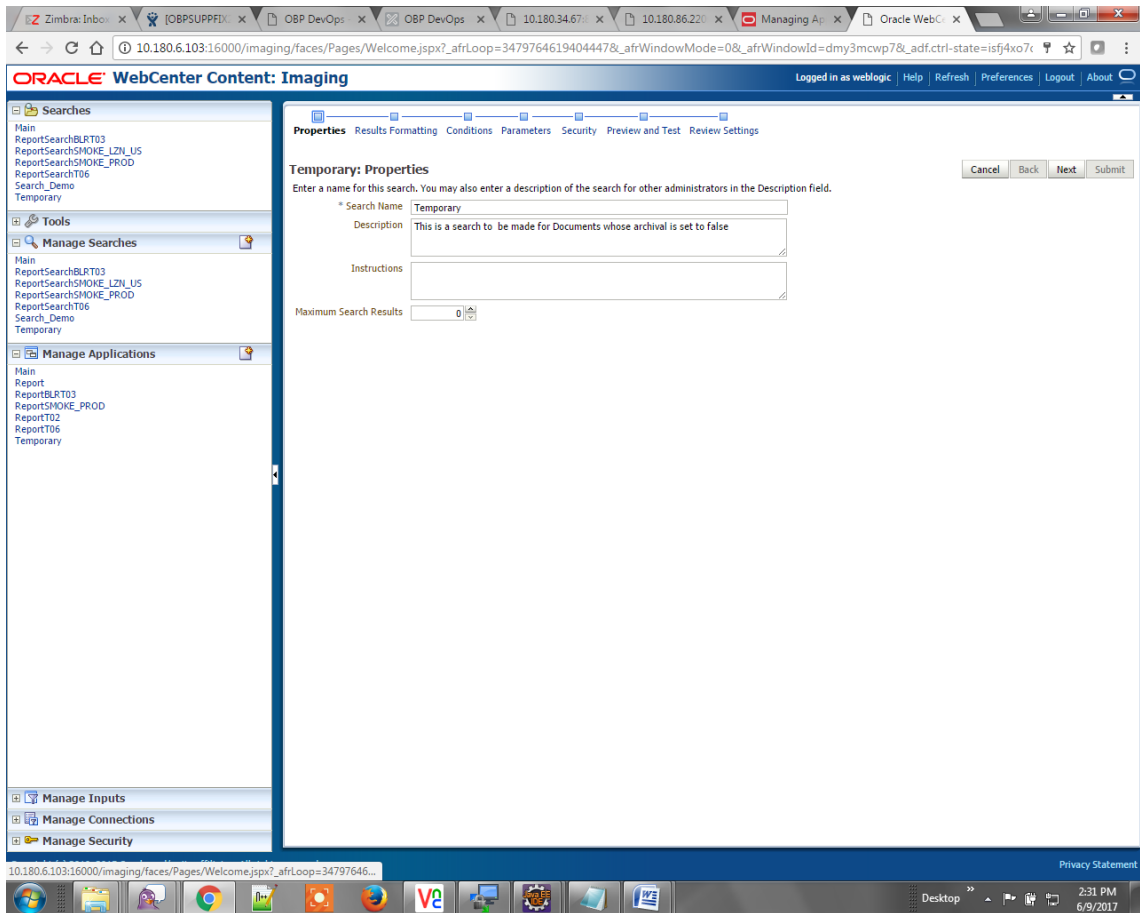


6.1.3.2 Manage Searches

To manage searches:

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

Figure 6–28 Temporary: Properties



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

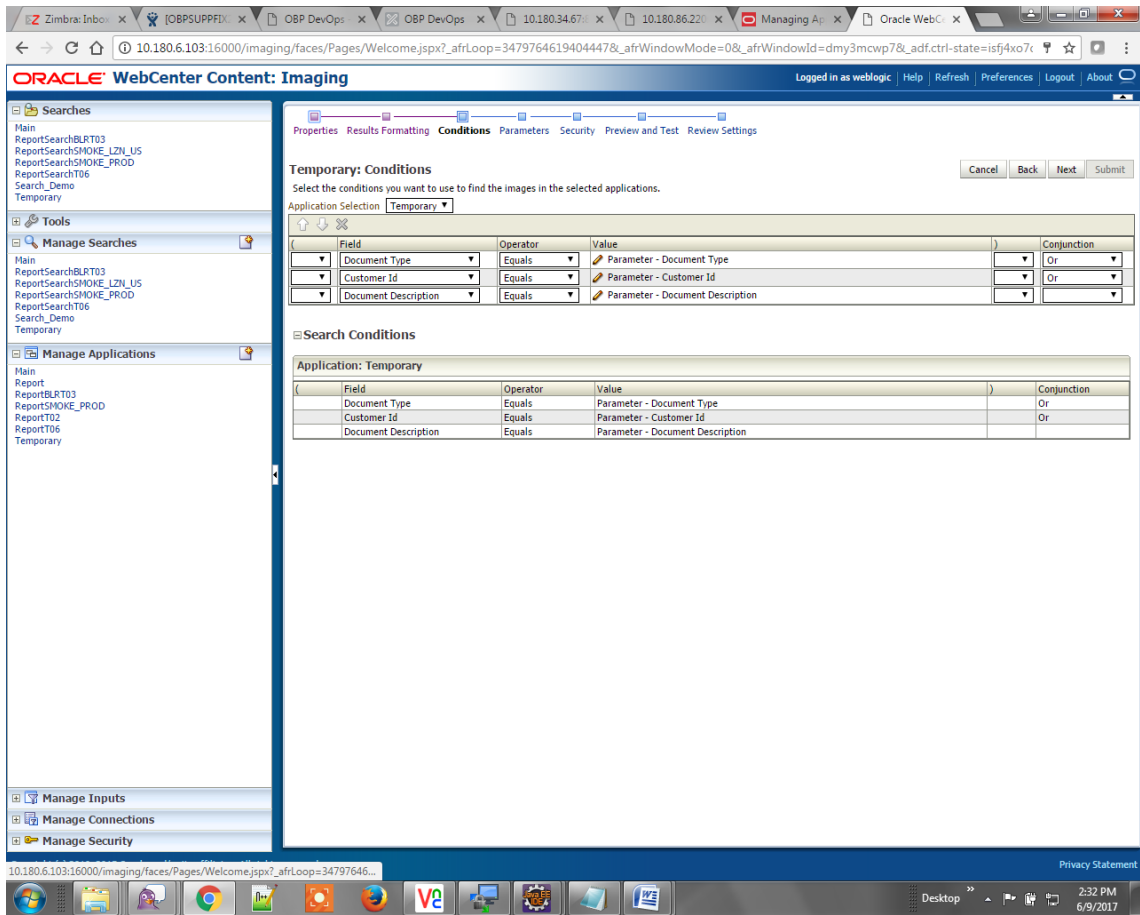
Figure 6–29 Temporary: Results Formatting

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

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

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

Figure 6–30 Temporary: Conditions



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

Figure 6–31 Temporary: Parameters

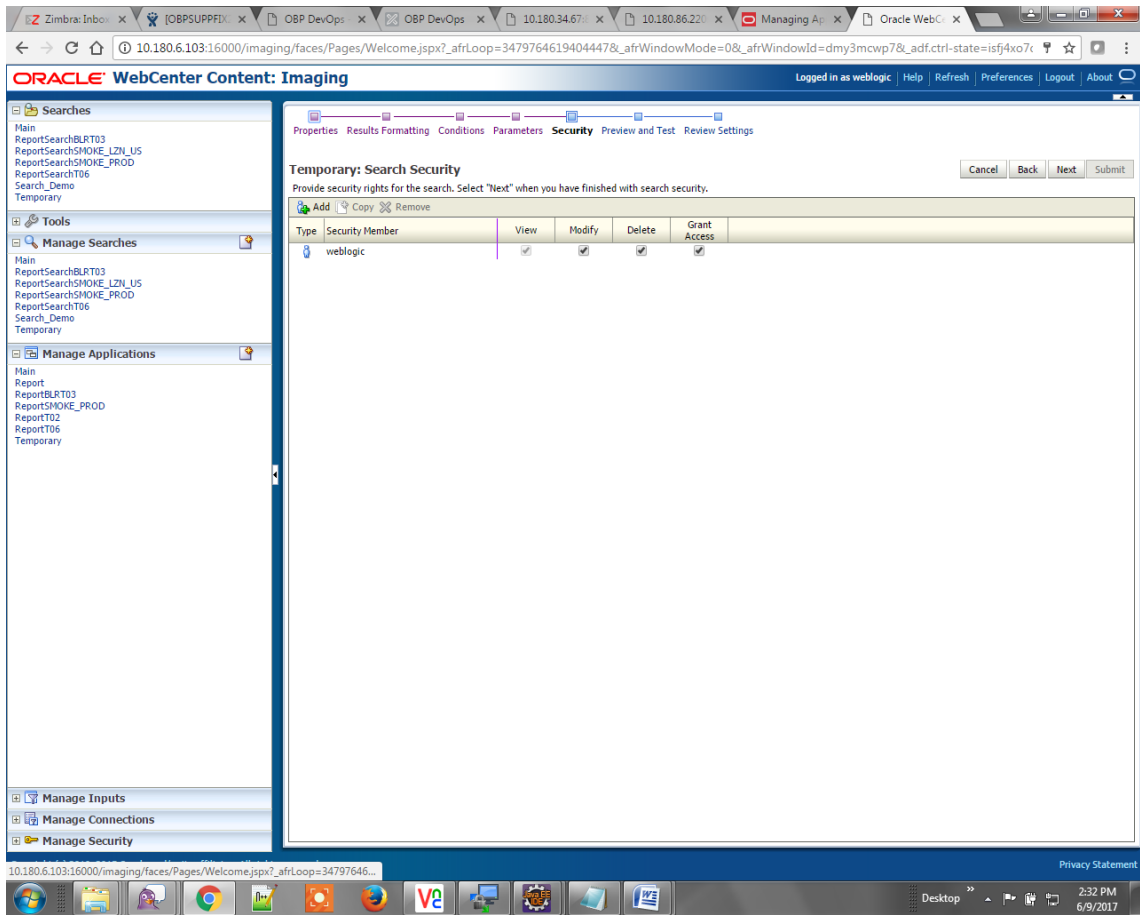
The screenshot displays the Oracle WebCenter Content: Imaging interface. The main content area is titled "Temporary: Parameters" and includes a sub-header "Select how you wish to prompt the user to enter parameters into the search." Below this is a table with the following data:

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

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

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

Figure 6–32 Temporary: Search Security



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

Figure 6–33 Temporary: Preview and Test

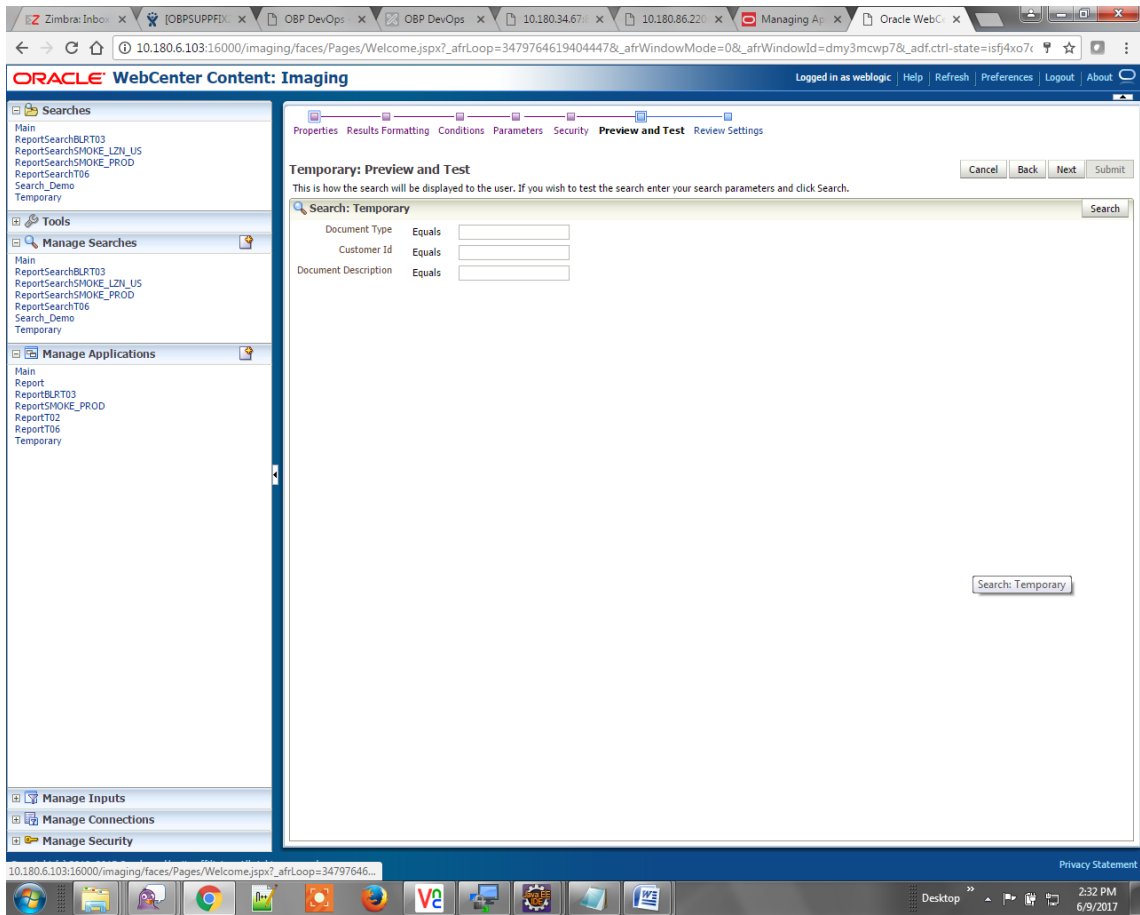
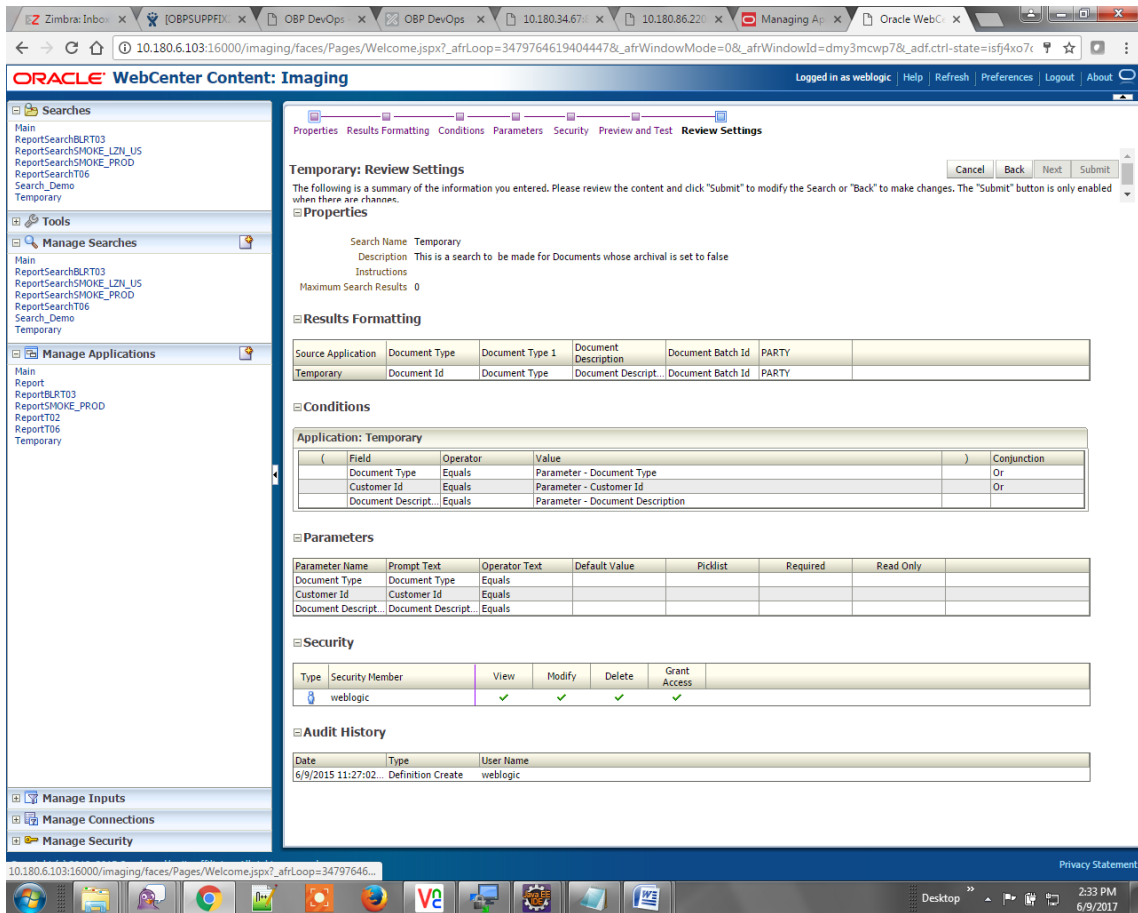


Figure 6–34 Temporary: Review Settings



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

Note

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

SQL for Main Application

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

SQL for Temp Application

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

6.2 IPM Report Upload Setup

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

6.2.1 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.

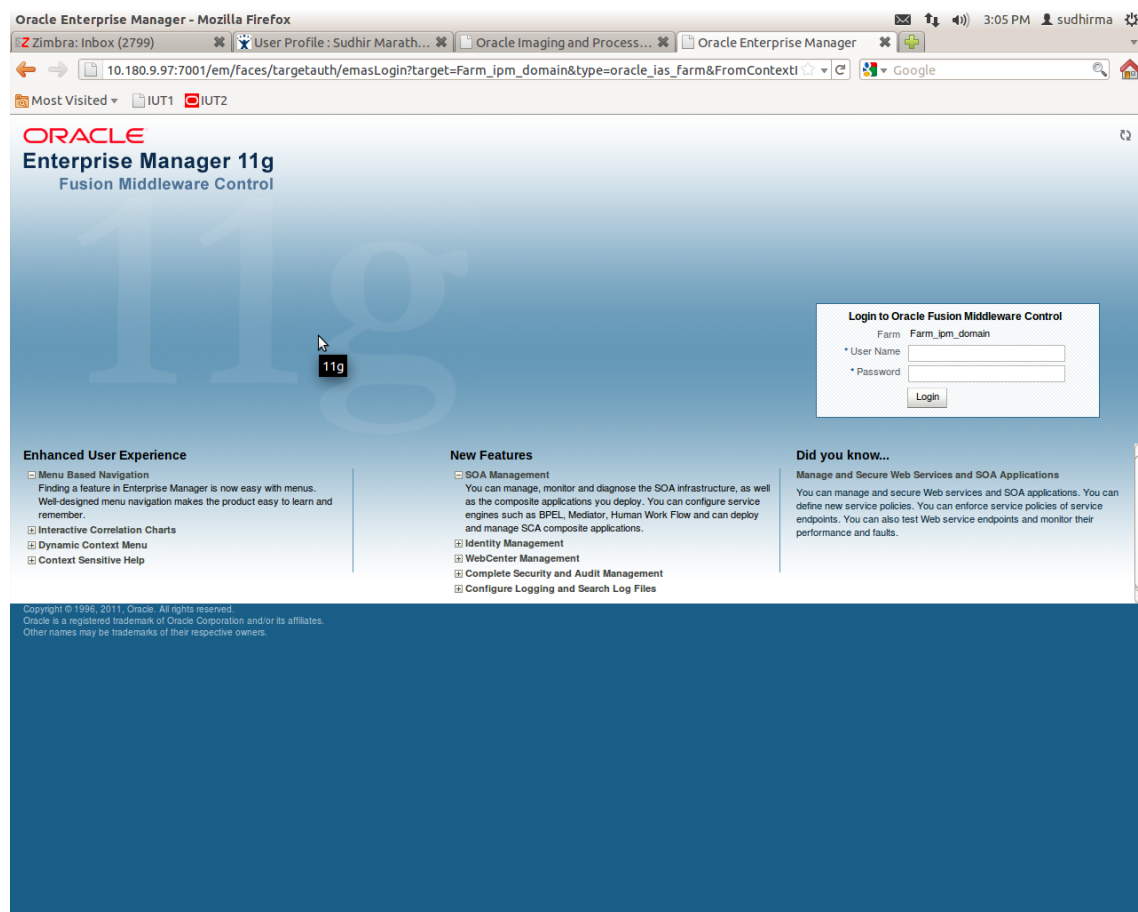
6.2.2 Setting up the Connection Name

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

To set up a bulk process:

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

Figure 6–35 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 6–36 Click Weblogic Domain: ipm domain

The screenshot shows the Oracle Enterprise Manager 11g Fusion Middleware Control interface. The browser address bar indicates the URL: `10.180.9.97:7001/em/faces/as/as/wlFarmHome?target=Farm_ipm_domain&type=oracle_ias_farm&_afLoop=29497`. The page title is "Farm_ipm_domain (Oracle Fusion Middleware Farm) - Oracle Enterprise Manager (weblogic) - Mozilla Firefox".

The interface displays the following sections:

- Deployments:** A green progress indicator shows 13.3% completion. Below it is a table with columns "Name", "Status", and "Target".
- Fusion Middleware:** A red progress indicator shows 57% completion. Below it is a table with columns "Name", "Status", and "Host".
- Farm Resource Center:** A section containing links for "Before You Begin", "Typical Administration Tasks", and "Other Resources".

The "Fusion Middleware" table contains the following data:

Name	Status	Host
WebLogic Domain		
ipm_domain		
AdminServer	Up (3)	OFSMUD6VM1121.
IPM_server	Down (4)	OFSMUD6VM1121.
SSXA_server1	Up (4)	OFSMUD6VM1121.
UCM_server1	Up (4)	OFSMUD6VM1121.
URM_server1	Down (4)	OFSMUD6VM1121.
Content Management		
Universal Content Management		
Content Server		
Oracle Universal Content Management - Content Server (UCM_server1)	Up (4)	OFSMUD6VM1121.

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

Figure 6–37 Navigate to Weblogic Domain --> Security --> Credentials

The screenshot shows the Oracle Enterprise Manager 11g Fusion Middleware Control interface. The browser address bar indicates the URL: `10.180.9.97:7001/em/faces/as/as/domainHome?target=/Farm_ipm_domain/ipm_domain&type=weblogic_domain&...`. The page title is `/Farm_ipm_domain/ipm_domain (Oracle WebLogic Domain) - Oracle Enterprise Manager (weblogic) - Mozilla Firefox`. The user is logged in as `weblogic`. The page was refreshed on May 2, 2012, at 3:12:29 PM IST.

The main content area displays the `ipm_domain` configuration. A navigation menu on the left shows the path: `Home` > `Control` > `Security` > `Credentials`. The `Credentials` menu item is highlighted, and a sub-menu is visible with the following options: `Credentials`, `Security Provider Configuration`, `Application Policies`, `Application Roles`, `System Policies`, `Audit Policy`, and `Audit Store`. The `Credentials` option is selected.

The `General Information` section shows a table of resources:

Resource Name	Request Processing Time (ms)	Bean Accesses (per minute)
AdminServer	2	104
IPM_server1	47	198
SSXA_server1	16200	0
UCM_server1	0	0
URM_server1	0	0

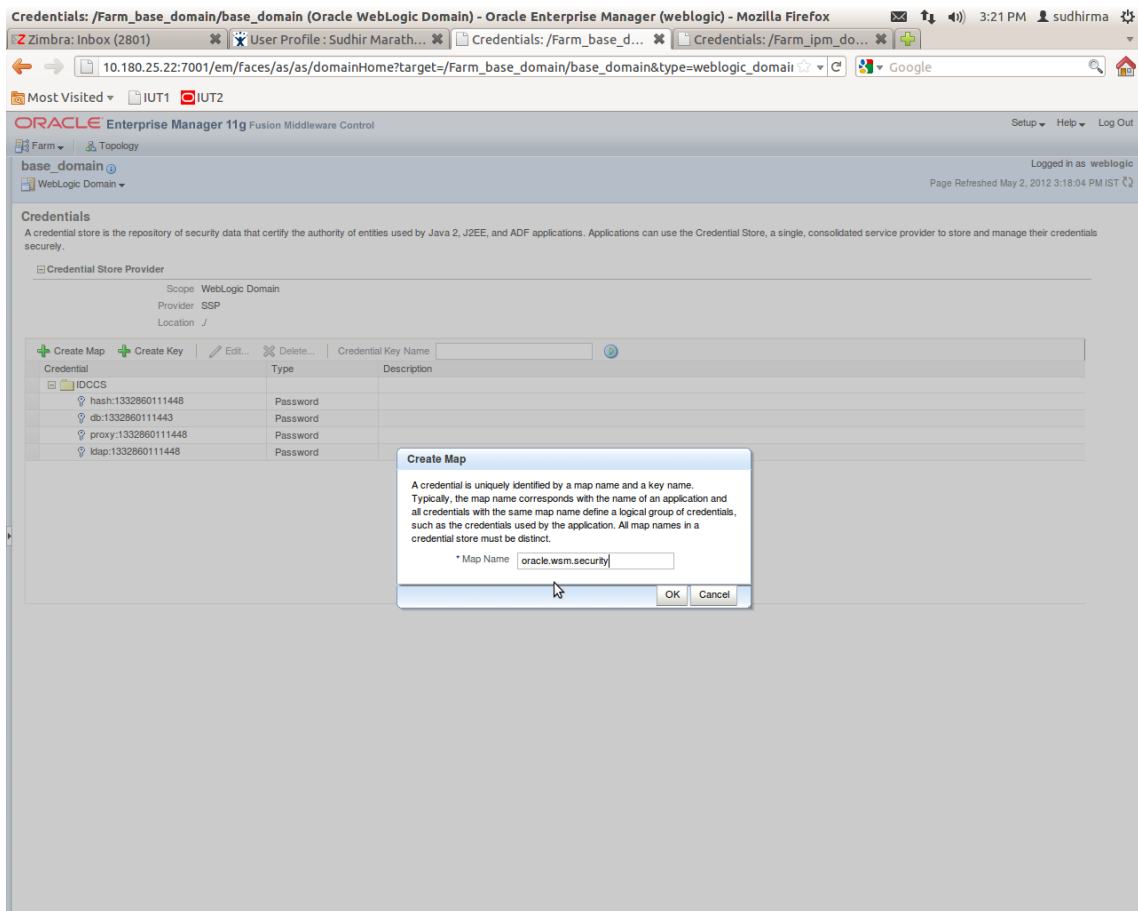
The `Oracle WebLogic Domain Resource Center` section provides links for `Before You Begin`, `Typical Administration Tasks`, and `Other Resources`.

The `Clusters` and `Deployments` sections are also visible. The `Clusters` section shows `No Clusters found`. The `Deployments` section shows a green circle representing the domain status and a table of application deployments:

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

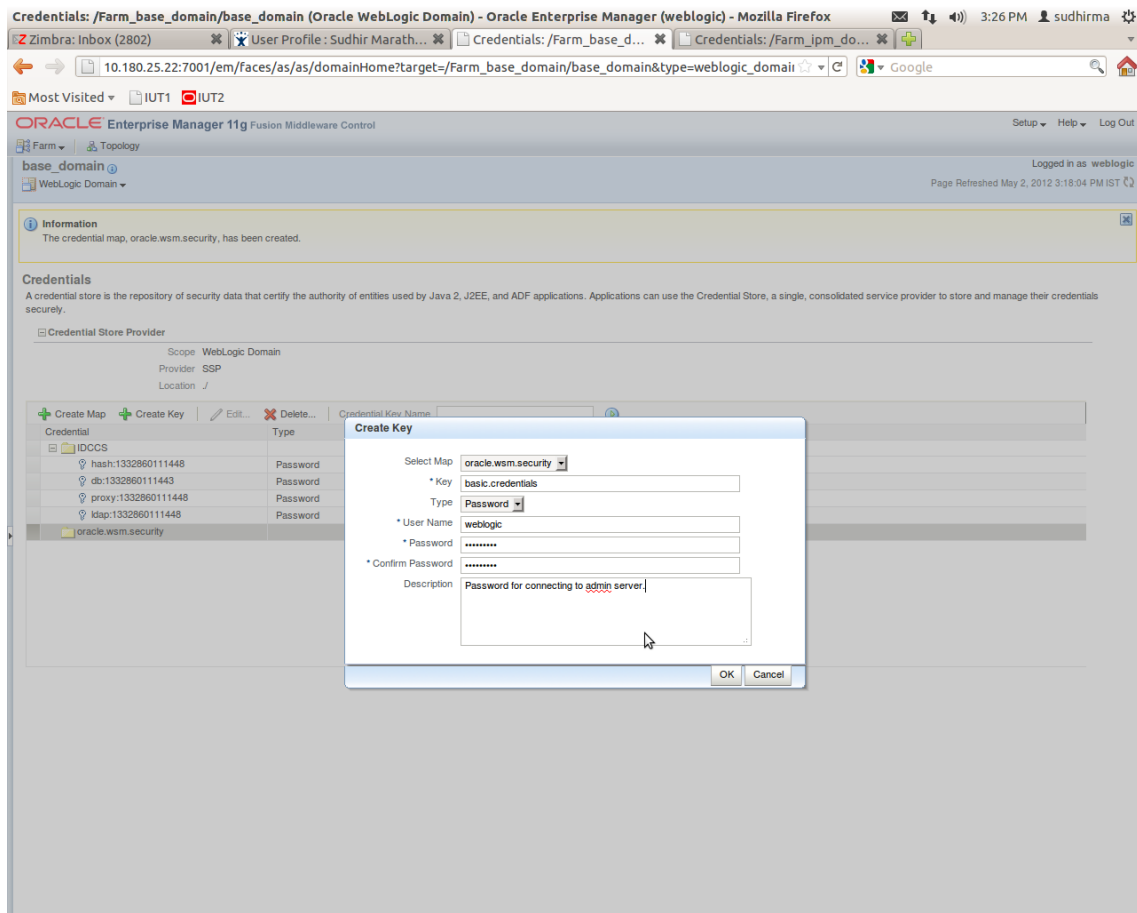
5. Click **Create Map** to create a map with the **Map Name** as `oracle.wsm.security`.

Figure 6–38 Create Map oracle.wsm.security



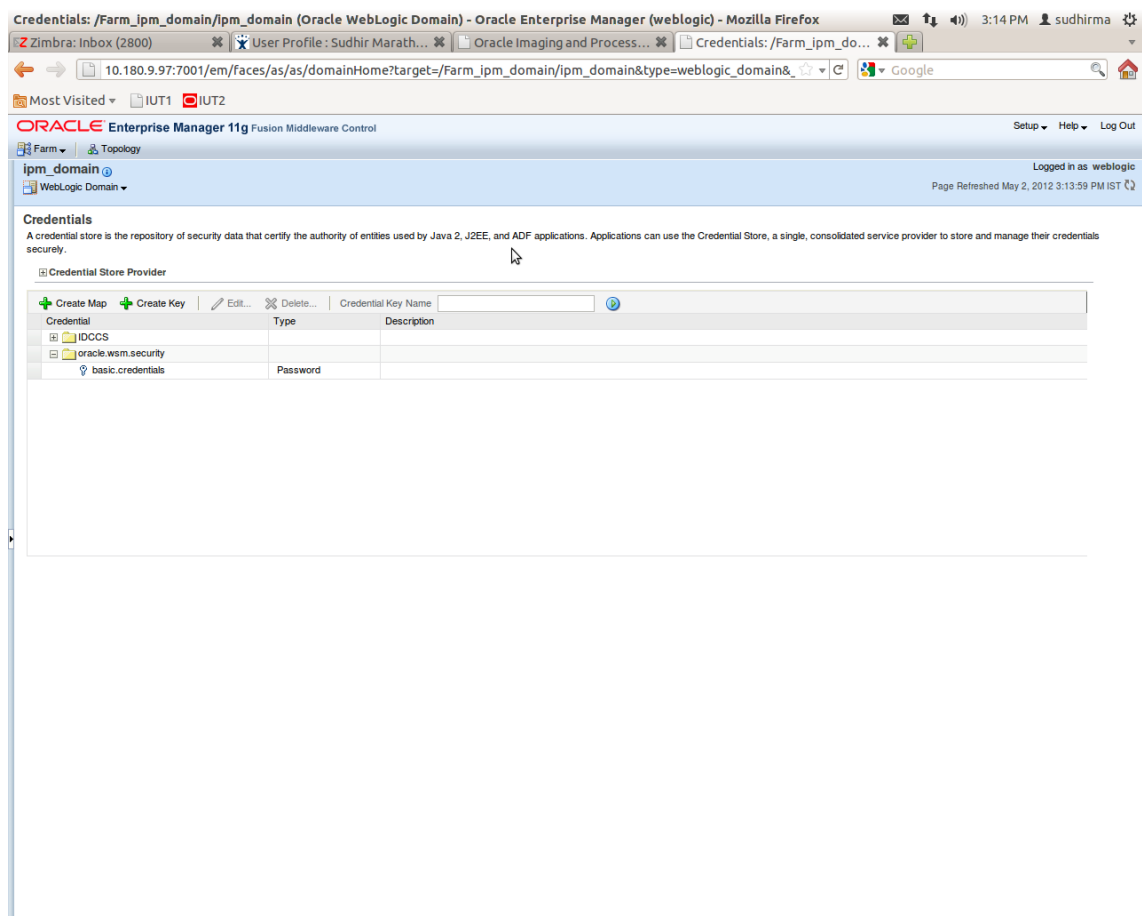
6. Click **Create Key** to create a key under the map **oracle.wsm.security**.

Figure 6–39 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 6–40 ipm_domain: Credentials Created



6.2.3 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 6–41 Navigate to Weblogic Domain --> System MBean Browser

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

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

The status summary shows 3 servers Down and 13 servers Up. The application deployments table lists several internal applications, including 'imaging', 'Oracle UCM Help', 'Oracle UCM Native Web Services', and 'Oracle UCM Web Services', all with a status of 'Up' and target 'UCM_server1'.

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 6–42 InputDirectories: Enter Input Agent Path

The screenshot shows the Oracle Enterprise Manager 11g System MBean Browser interface. The left pane displays a tree view of MBeans, with 'oracle.imaging:Location=IPM_server1,type=config' selected. The main pane shows the configuration for the 'InputDirectories' MBean, which is highlighted in red. The table below lists the configuration details for this MBean and other nearby MBeans.

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 packages should look for work. Takes effect immediately.	RW	home/oracle/testinputagent/inputdir1
12 IPMVersion	The IPM 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

- Restart IPM server.

6.2.4 Manage Application Configuration

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

Figure 6–43 Create Application: General Properties

The screenshot shows the Oracle WebCenter Content: Imaging interface. The browser address bar displays the URL: 10.180.6.103:16000/imaging/faces/Pages/Welcome.jsp?_afrcLoop=3311841857050168&_afrcWindowMode=0&_afrcWindowId=3yn7y/ltip&_adf.ctrl-state=j90l8at5x_14. The page title is "ORACLE WebCenter Content: Imaging" and the user is logged in as "weblogic".

The main content area is titled "Create Application: General Properties" and includes the following fields and options:

- Application Name:** Report
- Description:** This application uploads OBP Adhoc and Batch Reports in IPM and calls SOA process to update IPM Content Reference Id in OBP
- Repository:** UCM Connection
- Information:** You will not be able to change the repository once you have created the application.
- Full-Text Option:** None (selected), Fast Check-In, Full-Text Search

The left sidebar contains navigation options: Searches, Tools, Manage Searches, Manage Applications, Manage Inputs, Manage Connections, and Manage Security. The bottom status bar shows the copyright notice: Copyright (c) 2010, 2015 Oracle and/or its affiliates. All rights reserved. The system tray indicates the time is 6:23 PM on 10/26/2016.

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

Figure 6–44 Report: Field Definitions

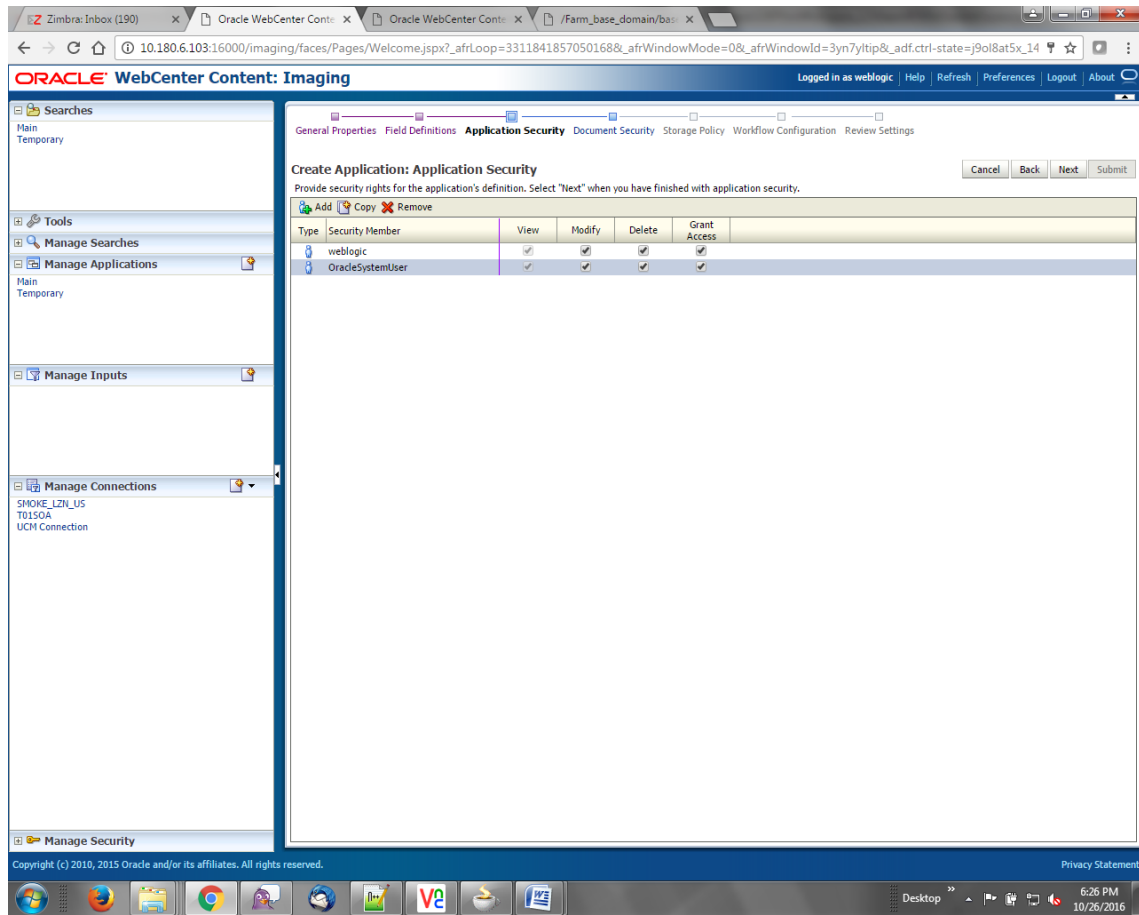
The screenshot shows the Oracle WebCenter Content: Imaging interface. The main content area is titled "Report: Field Definitions" and contains a table with the following columns: Type, Name, Length, Scale, Req, Inde, Default, and Value. The table lists 17 fields, all with a length of 80 and a scale of 0. The "Req" column has checkboxes, and the "Inde" column has checkboxes. The "Default" column has checkboxes, and the "Value" column has checkboxes. The "Next" button is highlighted in the top right corner of the page.

Type	Name	Length	Scale	Req	Inde	Default	Value
Abc	BANK_CODE	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	CHANNEL	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	EXTERNAL_BATCH_NUMBER	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	EXTERNAL_SYSTEM_AUDIT_TRAIL_NUMBER	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	TARGET_UNIT	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	TRANSACTION_BRANCH	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	USER_ID	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	ADHOC_REPORT_REQUEST_ID	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	REPORT_ID	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	REPORT_TYPE	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	BRANCH_GROUP_CODE	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	REPORT_RUN_DATE	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	CONTENT_REFERENCE_ID	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	FILE_PATH	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Abc	REPORT_SPLIT_KEY	80	0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

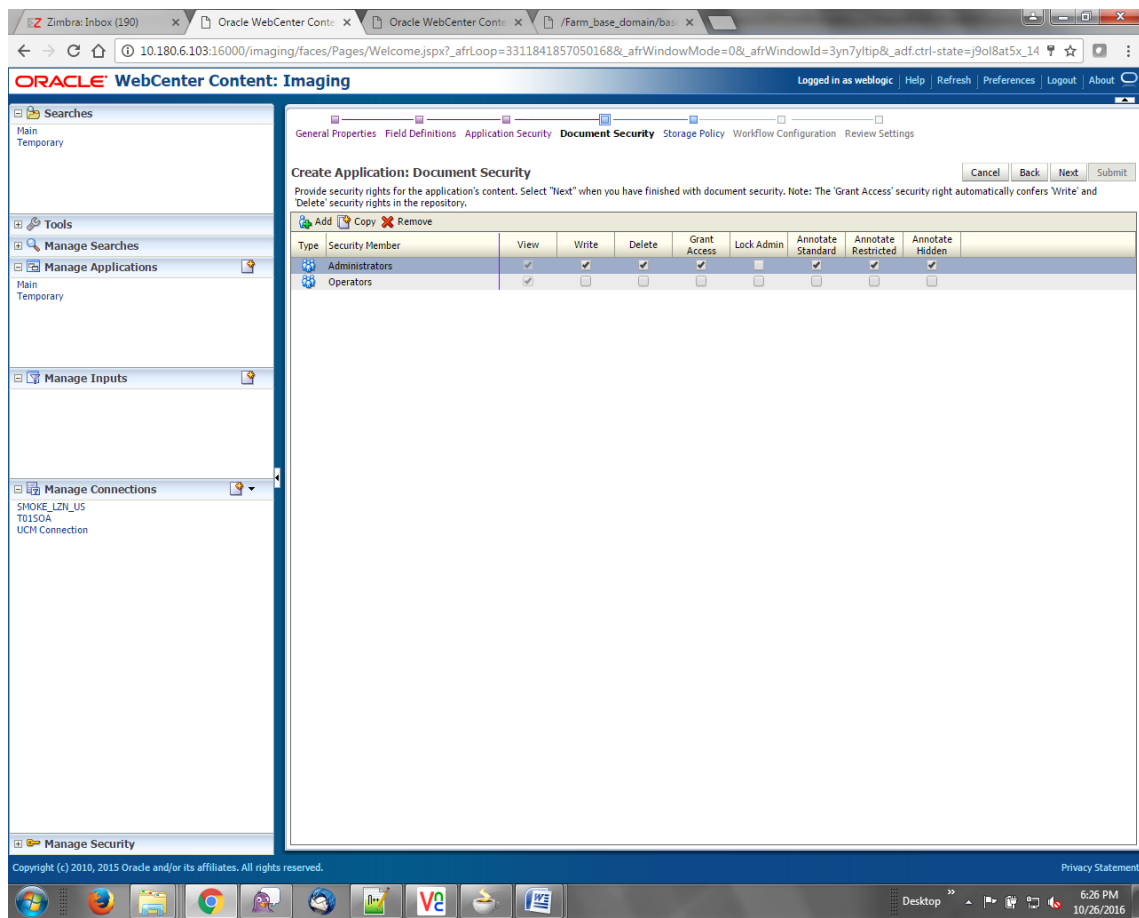
4. Enter the field definition details and click **Next**. The Create Application: Applications Security page appears.

Figure 6–45 Create Application: Applications Security



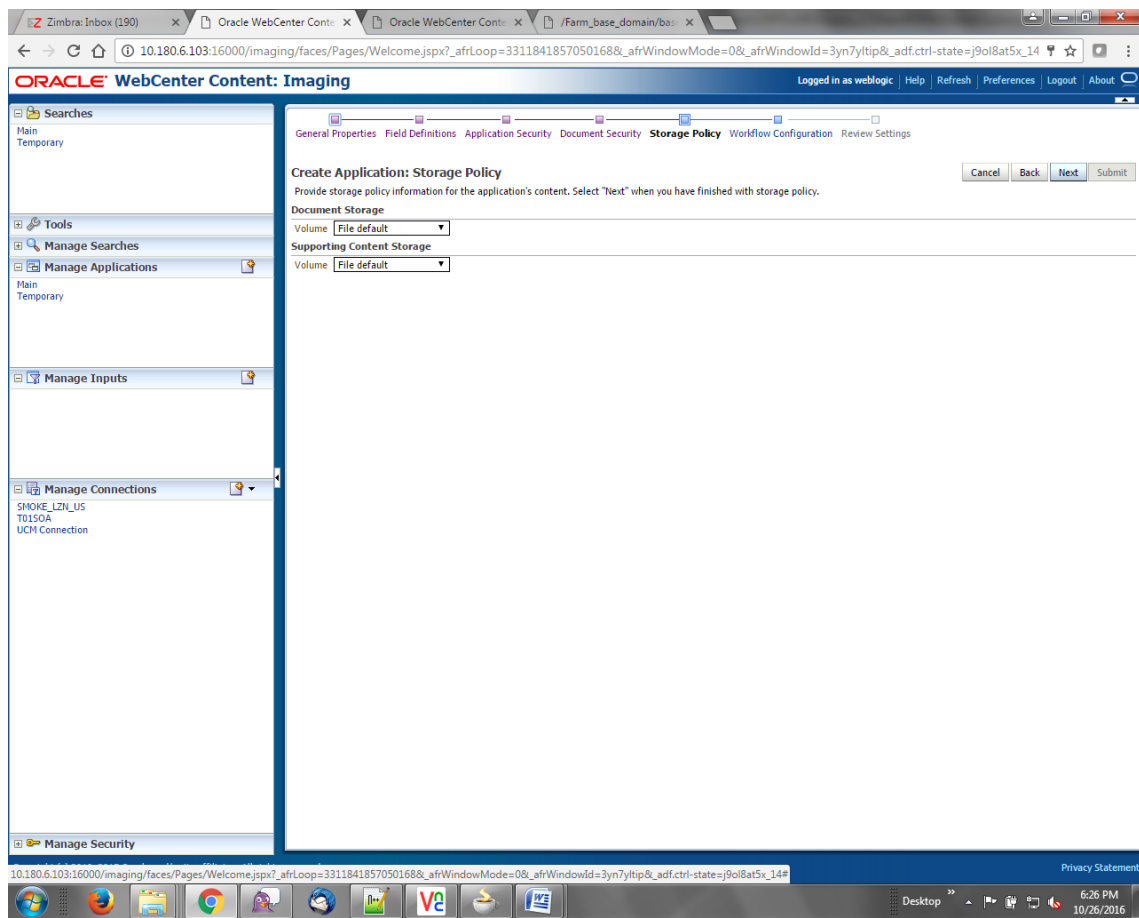
- In the Application Security section, select the access rights for users and click **Next**. The Create Application: Document Security page appears.

Figure 6–46 Create Application: Document Security



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

Figure 6–47 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 6–48 Report: Workflow Configuration - Server Properties

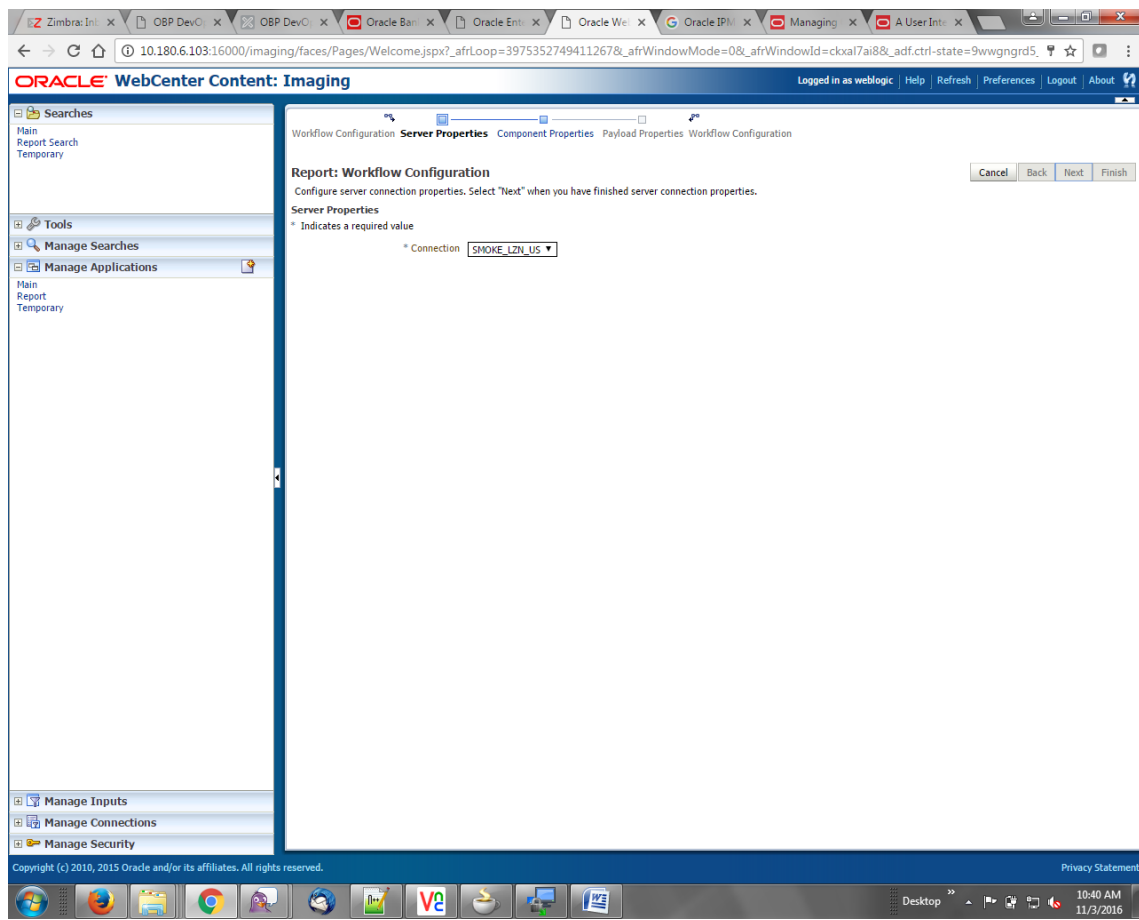


Figure 6–49 Report: Workflow Configuration - Component Properties

The screenshot displays the Oracle WebCenter Content: Imaging interface. The browser address bar shows the URL: `10.180.6.103:16000/imaging/faces/Pages/Welcome.jspx?_afrcLoop=3975352749411267&_afrcWindowMode=0&_afrcWindowId=cxal7ai8&_adf.ctrl-state=9wwngnrd5_10#`. The page title is "ORACLE WebCenter Content: Imaging" and the user is logged in as "weblogic".

The main content area is titled "Report: Workflow Configuration" and includes a "Component Properties" section. The configuration details are as follows:

- Composite:** `default/com.ofss.fc.workflow.process.ReportIPMRefStoreProcess1.0`
- Service:** `reportipmrefstorebpelprocess_client_ep`
- Operation:** `process`

The interface also features a left-hand navigation menu with sections for "Searches", "Tools", "Manage Searches", "Manage Applications", "Manage Inputs", "Manage Connections", and "Manage Security". The bottom of the screen shows a Windows taskbar with the system clock at 10:41 AM on 11/3/2016.

Figure 6–50 Report: Application Summary

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

Storage Policy

Document Storage
Volume: File default

Supporting Content Storage
Volume: File default

Workflow Configuration

Workflow injection enabled.

Server Properties
Connection: 7:SMOKE_LZN_US

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

Payload Properties

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

Application History

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

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

Figure 6–51 Create Application: Review Settings

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

- General Properties:**
 - Application Name: Report
 - Description: This application uploads OBP Adhoc and Batch Reports in IPM and calls SOA process to update IPM Content Reference Id in OBP
 - Repository: UCM Connection
 - Full-Text Option: None
- Field Definitions:**

Type	Name	Length	Scale	Required	Indexed	Default Value	Picklist
Abc	BANK_CODE	80			✓		
Abc	CHANNEL	80			✓		
Abc	EXTERNAL_BATCH...	80			✓		
Abc	EXTERNAL_SYSTE...	80			✓		
Abc	TARGET_UNIT	80			✓		
Abc	TRANSACTION_B...	80			✓		
Abc	USER_ID	80			✓		
Abc	ADHOC_REPORT_...	80			✓		
Abc	REPORT_ID	80			✓		
Abc	REPORT_TYPE	80			✓		
Abc	BRANCH_GROUP_...	80			✓		
Abc	REPORT_RUN_DATE	80			✓		
Abc	CONTENT_REFER...	80			✓		
Abc	FILE_PATH	80			✓		
Abc	REPORT_SPLIT_KEY	80			✓		
- Application Security:**

Type	Security Member	View	Modify	Delete	Grant Access
weblogic	weblogic	✓	✓	✓	✓
OracleSystemUser	OracleSystemUser	✓	✓	✓	✓
- Document Security:**

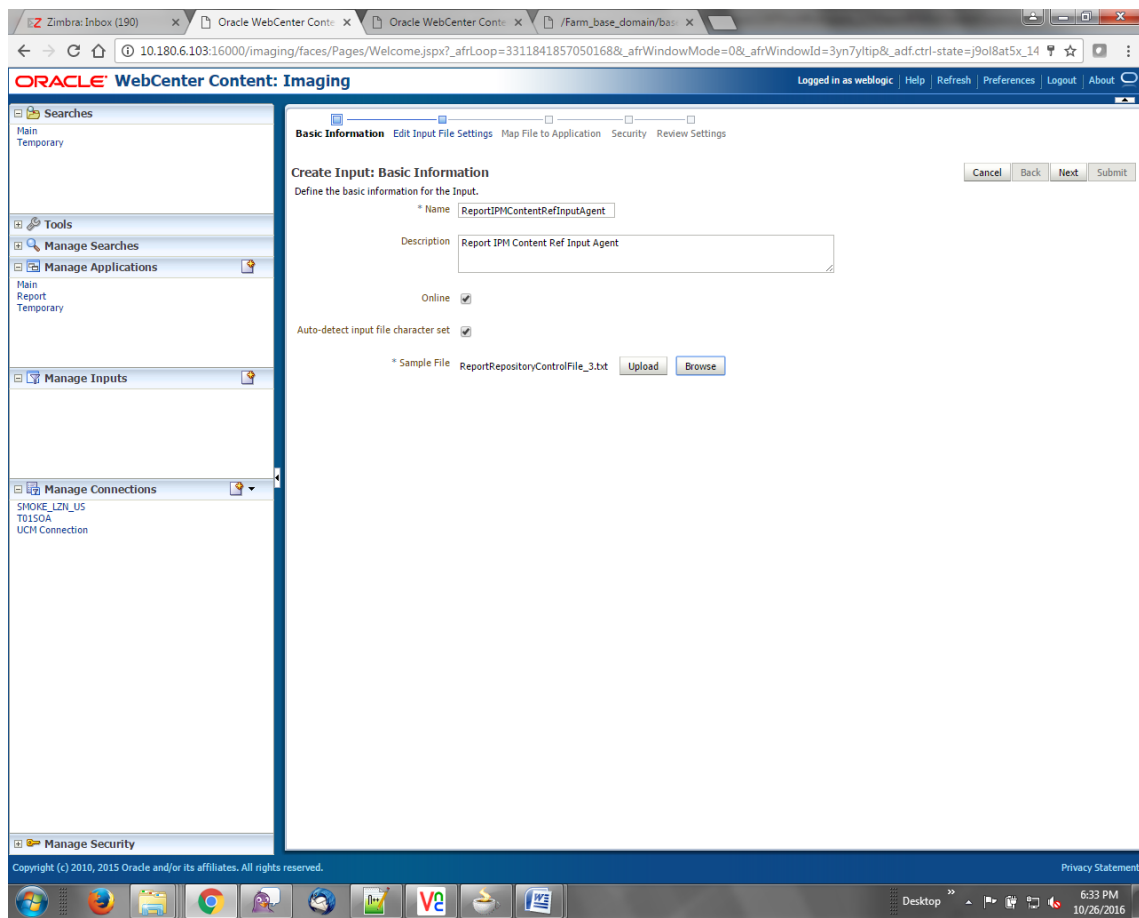
Type	Security Member	View	Write	Delete	Grant Access	Lock Admin	Annotate Standard	Annotate Restricted	Annotate Hidden
Administrators	Administrators	✓	✓	✓	✓		✓	✓	
Operators	Operators	✓							✓

6.2.5 Manage Inputs for Input Agents

To manage workflow configuration:

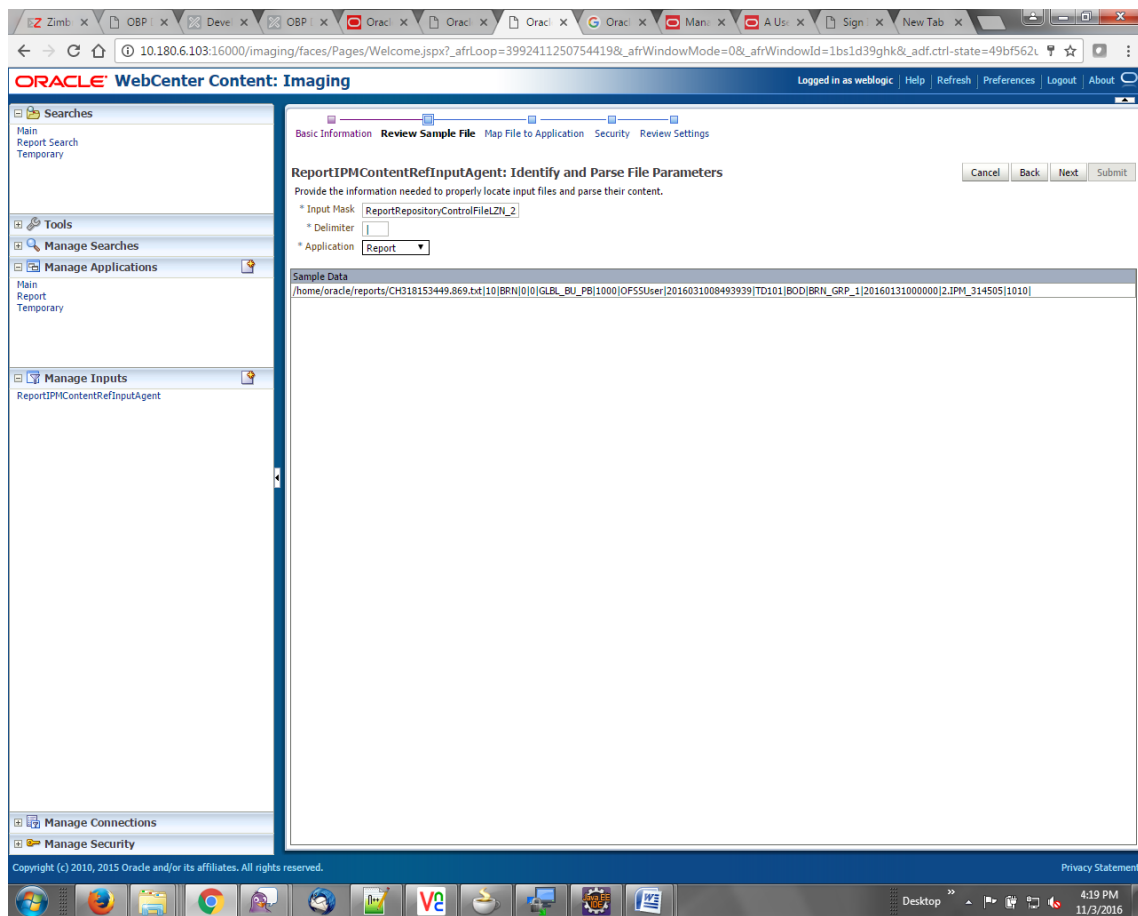
1. Log in to Image Processing Management (IPM).
2. Navigate to Manage Inputs section.

Figure 6–52 Manage Inputs



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

Figure 6–53 Input Agent Details: Input Mask



5. Upload the sample file.

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

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

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

```
flx_fw_config_all_b
```

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

appended with name given in table flx_fw_config_var_b

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

Note

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

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

Figure 6–54 Input Agent Details: Field Mapping

The screenshot shows the 'Map File to Application' dialog in Oracle WebCenter Content: Imaging. The dialog is titled 'ReportIPMContentRefInputAgent: Field Mapping' and contains a table for mapping application fields to input columns. The table has five columns: Application Fields, Input Column, Sample Data, Use Application Default, and Date Format. The 'Input Column' column has a dropdown menu for each row, and the 'Date Format' column has icons for date formatting. The 'Sample Data' column shows example values for each field.

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

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

Figure 6–55 Input Agent Details: Security

The screenshot shows the Oracle WebCenter Content: Imaging interface. The main content area is titled "ReportIPMContentRefInputAgent: Input Security" and includes a "Define the security for this input definition." section. Below this is a table with the following structure:

Type	Security Member	View	Modify	Delete	Grant Access
	weblogic	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

The interface also features a left-hand navigation pane with sections for Searches, Tools, Manage Searches, Manage Applications, Manage Inputs (containing ReportIPMContentRefInputAgent), Manage Connections, and Manage Security. The top navigation bar includes "Basic Information", "Review Sample File", "Map File to Application", "Security", and "Review Settings". The bottom status bar shows the system time as 4:28 PM on 11/3/2016.

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

Figure 6–56 Input Agent Details: Review Settings

The screenshot displays the 'Review Settings' page for the 'ReportIPMContentRefInputAgent' in the Oracle WebCenter Content: Imaging interface. The page is divided into several sections:

- Basic Information:**
 - Name: ReportIPMContentRefInputAgent
 - Description: Report IPM Content Ref Input Agent
 - Online:
 - Auto-detect input file character set:
 - Input Mask: ReportRepositoryControlFileZLN_25*.txt
- Field Mapping:**
 - Application: Report
 - Input Mapping:
 - File Path: Column 1
 - BANK_CODE: Column 2
 - CHANNEL: Column 3
 - EXTERNAL_BATCH_NUMBER: Column 4
 - EXTERNAL_SYSTEM_AUDIT_TRAIL_NUMBER: Column 5
 - TARGET_UNIT: Column 6
 - TRANSACTION_BRANCH: Column 7
 - USER_ID: Column 8
 - ADHOC_REPORT_REQUEST_ID: Column 9
 - REPORT_ID: Column 10
 - REPORT_TYPE: Column 11
 - BRANCH_GROUP_CODE: Column 12
 - REPORT_RUN_DATE: Column 13
 - CONTENT_REFERENCE_ID: Column 14
 - FILE_PATH: Column 1
 - REPORT_SPLIT_KEY: Column 15
 - Delimiter: |
- Input Security:**

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

Note

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

6.2.6 Manage Searches

To manage searches:

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

Figure 6–57 Create Search: Properties

The screenshot shows the Oracle WebCenter Content: Imaging interface. The left sidebar contains a navigation menu with the following items: Searches (Main, Temporary), Tools, Manage Searches (Main, Temporary), Manage Applications (Main, Report, Temporary), Manage Inputs (ReportIPMContentRefInputAgent), Manage Connections (SMOKE_LZH_US, T01504, UCM Connection), and Manage Security. The main content area is titled 'Create Search: Properties' and includes a breadcrumb trail: Properties > Results Formatting > Conditions > Parameters > Security > Preview and Test > Review Settings. The form contains the following fields: 'Search Name' with the value 'Report Search', 'Description' with the value 'Search Report Application', 'Instructions' (empty), and 'Maximum Search Results' with the value '0'. At the bottom right of the form are buttons for 'Cancel', 'Back', 'Next', and 'Submit'. The browser's address bar shows the URL: 10.180.6.103:16000/imaging/faces/Pages/Welcome.jspx?_afLoop=3311841857050168&_afWindowMode=0&_afWindowId=3yn7y/ltip&_adf.ctrl-state=j9ol8at5x_14. The system tray at the bottom shows the date and time as 6:36 PM on 10/26/2016.

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

Figure 6–58 Create Search: Results Formatting

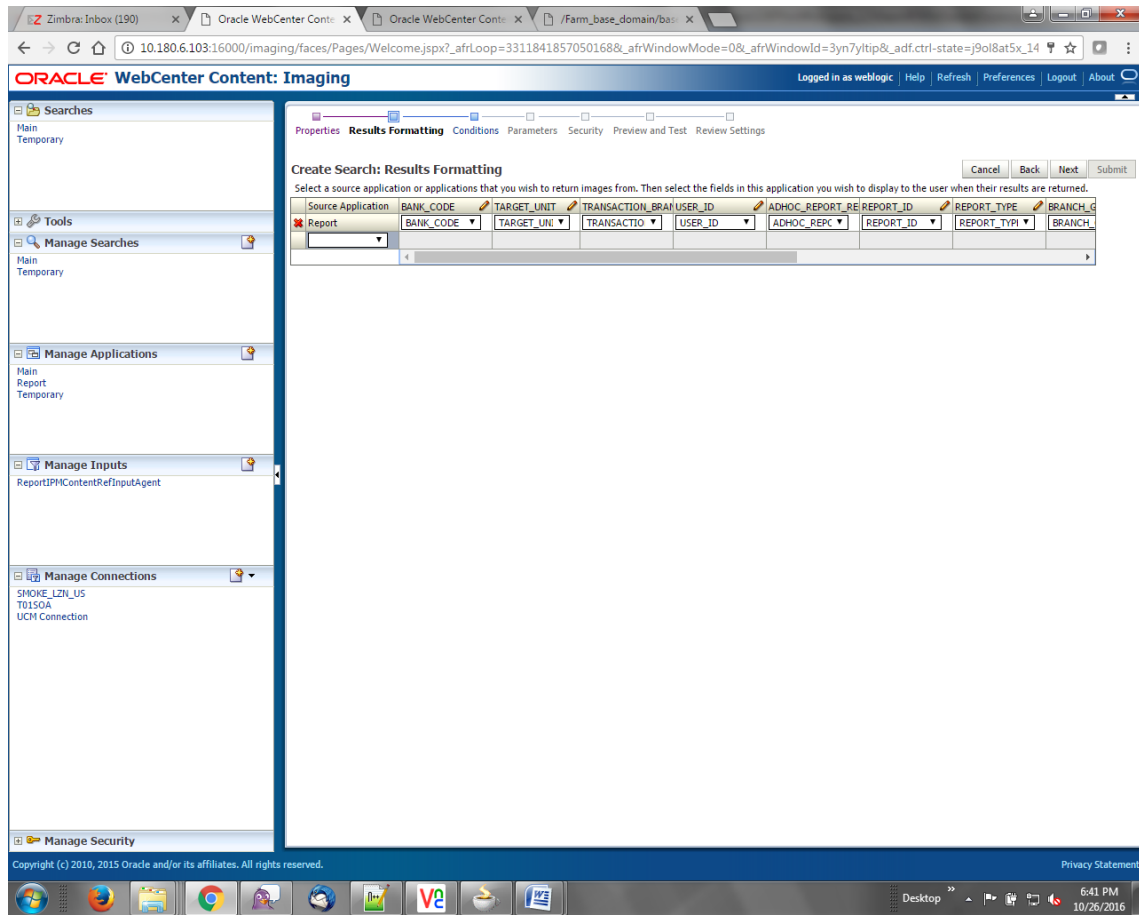


Figure 6–59 Create Search: Conditions

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

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

Cancel Back Next Submit

Create Search: Conditions
Select the conditions you want to use to find the images in the selected applications.

Application Selection: Report

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

Search Conditions

Application: Report

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

Copyright (c) 2010, 2015 Oracle and/or its affiliates. All rights reserved. Privacy Statement

Desktop 6:43 PM 10/26/2016

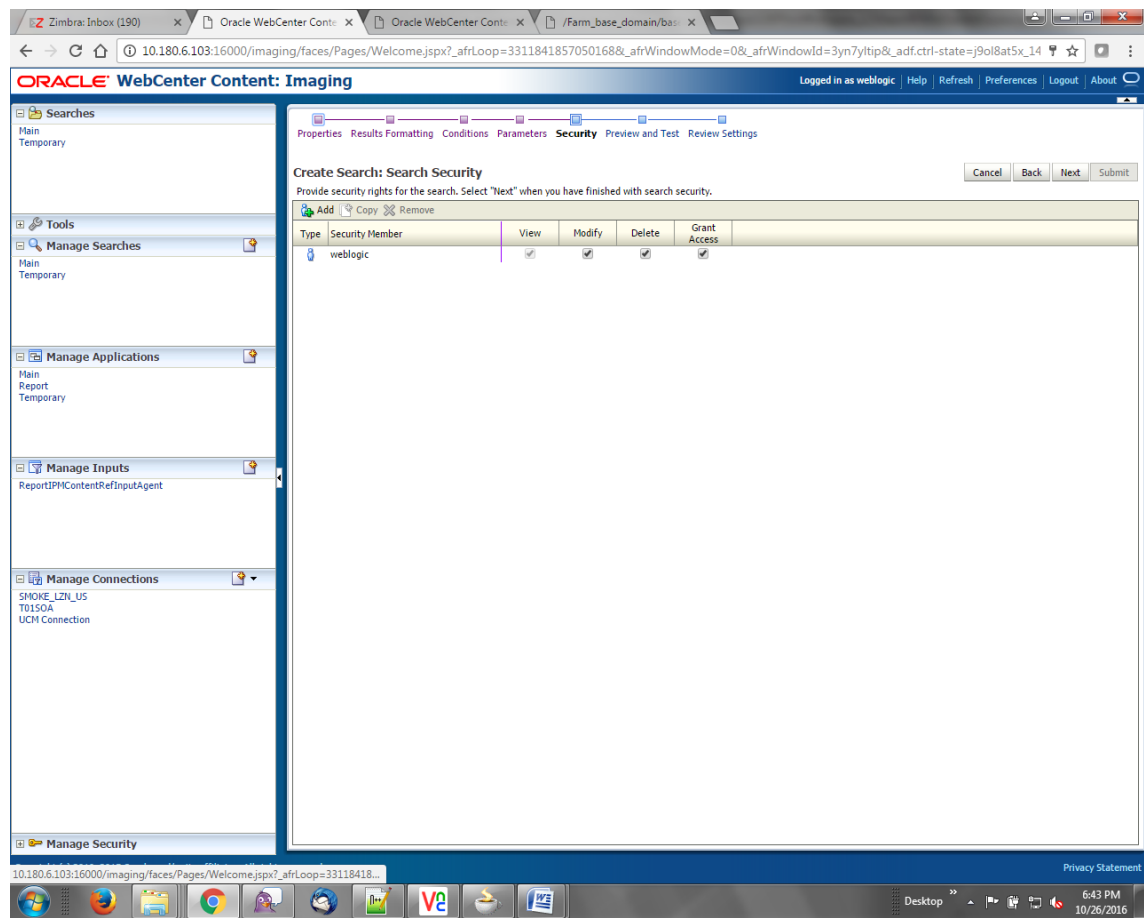
Figure 6–60 Create Search: Parameters

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

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

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

Figure 6–61 Create Search: Security



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

Figure 6–62 Create Search: Preview and Test

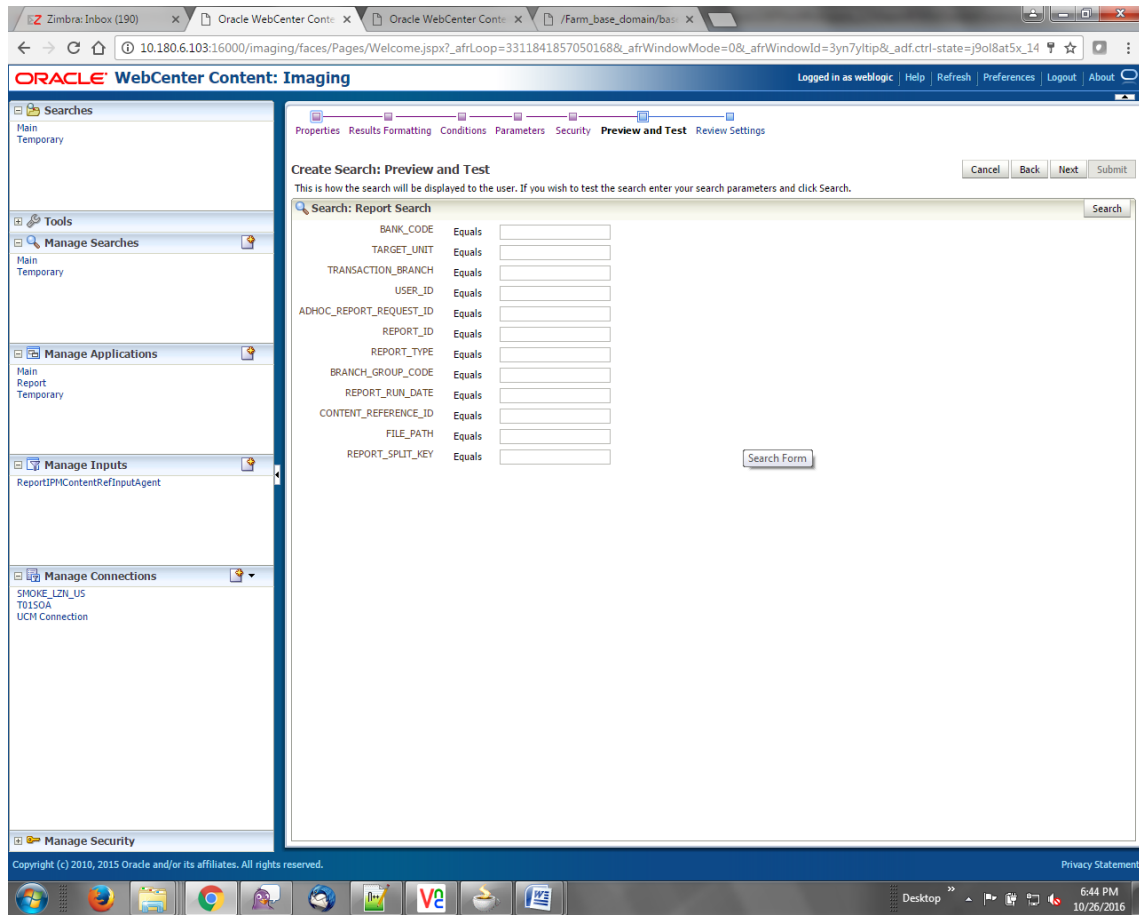
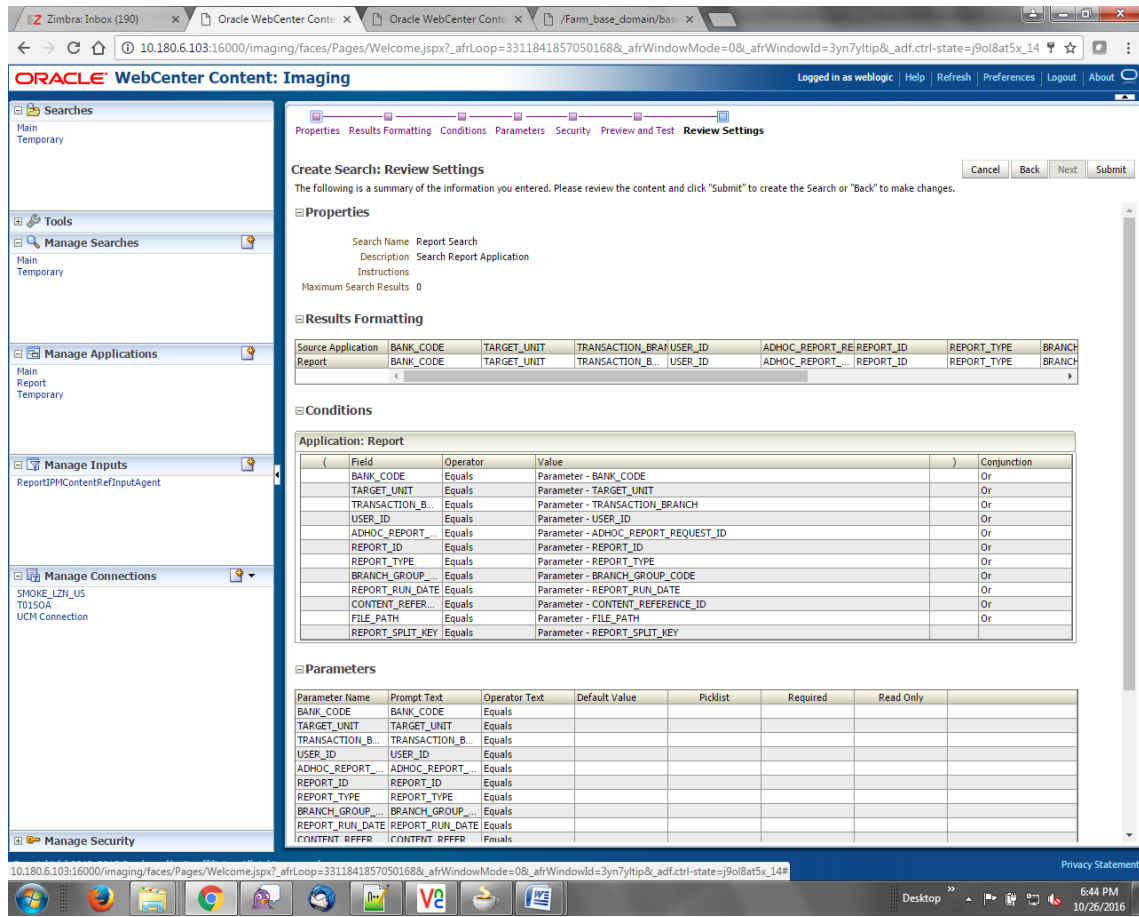


Figure 6–63 Create Search: Review Settings



7 Monitoring Servers Using Oracle Enterprise Manager

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

The OBEDM servers can be monitored using Oracle Enterprise Manager. 'em_monitor.zip' is available inside 'ob-utils' for this purpose. The procedure is as follows:

1. Extract the 'ob-utils' to get 'em_monitor.zip'.
2. Extract 'em_monitor.zip'. It contains 'obp_em_view_script' folder.

For monitoring the OBEDM Servers, follow the procedures given in Oracle Banking Enterprise Default Management Management Pack Setup Guide.

8 Post Installation Verification

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

8.1 UI Domain Verification

To verify the UI domain installation:

1. Start the UI domain Admin and Managed servers.
2. In the WebLogic console (<UI_IP>:<UI_ADMIN_PORT>/console), navigate to the **Summary of Deployments** page.
3. Verify that the **Status** of the following OBEDM libraries and applications is *Active*.
 - Shared Libraries
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.fw
 - ob.app.client.pm
 - ob.app.client.sh
 - ob.app.client.coll
 - ob.app.client.deposit
 - ob.app.client.lcm
 - ob.app.client.lending
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pricing
 - ob.ui.coll
 - ob.ui.deposits
 - ob.ui.lcm
 - ob.ui.lending
 - ob.ui.or
 - ob.ui.party
 - ob.ui.pricing
 - ob.ui.communications
 - ob.ui.cz
 - ob.ui.fusion

- ob.ui.pm
- ob.ui.sh
- ob.ui.tp
- ob.ui.tp.cz
- Ears
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.app.ui.connector
 - com.ofss.fc.ui.view.admin
 - com.ofss.fc.ui.view.developer
 - com.ofss.fc.ui.view.qa
 - com.ofss.fc.ui.rest.ops
 - com.ofss.fc.ui.view.mds
 - com.ofss.fc.ui.view.obec
 - com.ofss.fc.ui.view.obepm

Figure 8–1 UI Weblogic Console















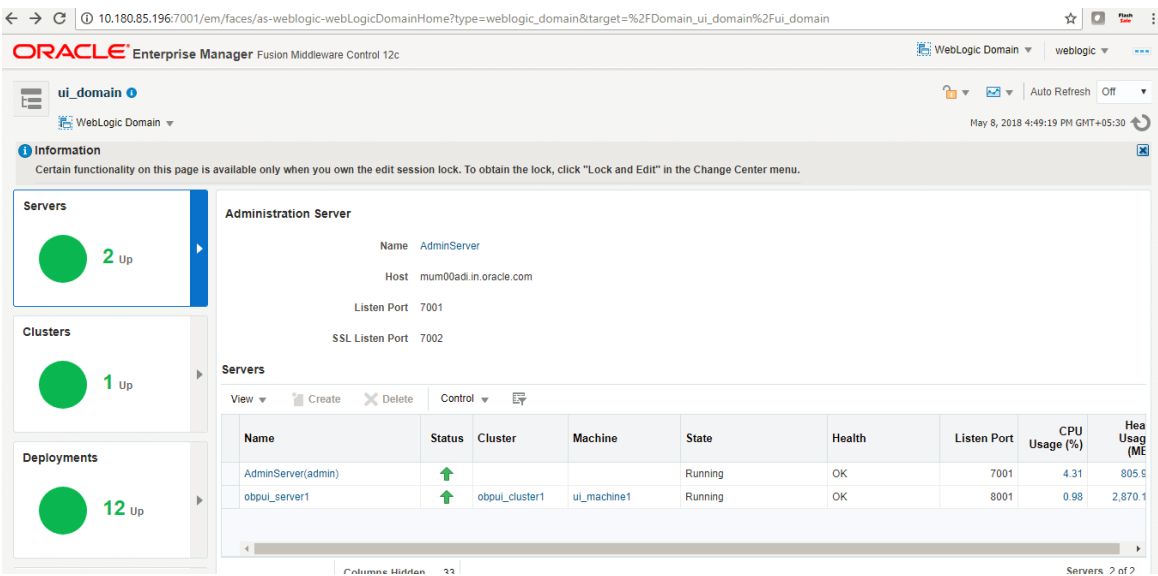
 ob.app.client.coll(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.communications(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.cz(2.10.0.0.0,2.10.0.0.0)	Active	Library	obpui_cluster1	Global		100
 ob.app.client.deposit(2.10.0.0.0,2.10.0.0.0)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

Figure 8–2 UI Weblogic Console

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

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

Figure 8–3 UI EM Console Status Check



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

Name	Status	Cluster	Machine	State	Health	Listen Port	CPU Usage (%)	Mem Usage (MB)
AdminServer(admin)	↑			Running	OK	7001	4.31	805.9
obpu1_server1	↑	obpu1_cluster1	ui_machine1	Running	OK	8001	0.98	2,870.1

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 8–4 UI Admin wsm-pm Validator

Policy Manager Status: Operational

Policies (204)

Name	Latest Version	Description
oracle/binding_authorization_permitall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy permits all users with any roles. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SOAP-based endpoint.
oracle/http_saml20_token_bearer_client_policy	1	This policy includes SAML Bearer v2.0 token in the HTTP header. The SAML Bearer v2.0 token is automatically created. The issuer name and subject name are provided either programmatically or declarative through policy. Audience restriction condition can be specified. This policy can be attached to any Http-based client.
oracle/wss_saml_token_bearer_service_policy	1	This policy authenticates users using credentials provided in SAML Bearer token in the WS-Security SOAP header. By default, SAML Bearer token is expected to be signed with an enveloped signature. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_sts_issued_saml_with_message_protection_client_policy	1	This policy inserts SAML Sender vouches assertion issued by a trusted STS (Security Token Service). Messages are protected using client's private key.
oracle/http_wls_security_service_policy	1	This policy verifies that WLS based Security has authenticated the user and has established an identity. This policy can be applied to any Http-based endpoint in conjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-mtom-20050125/ and http://www.w3.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
oracle/soap_request_processing_service_policy	1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
oracle/async_web_service_policy	1	This policy facilitates enabling and configuring JRF service-side async support.
oracle/no_atomic_transaction_policy	1	This policy facilitates the disabling of atomic transaction support. It also disables globally attached policy of the same policy category/subcategory.
oracle/wss11_sts_issued_saml_hok_with_message_protection_client_policy	1	This policy inserts SAML HOK assertion issued by a trusted STS (Security Token Service). Messages are protected using proof key material provided by STS.
oracle/no_messageprotection_client_policy	1	This policy facilitates the disabling of a globally attached message protection policy. This will result in disabling the whole global policy containing any other assertions in addition to the

Figure 8–5 UI managed wsm-pm validator

Policy Manager Status: Operational

Policies (204)

Name	Latest Version	Description
oracle/binding_authorization_permitall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy permits all users with any roles. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SOAP-based endpoint.
oracle/http_saml20_token_bearer_client_policy	1	This policy includes SAML Bearer v2.0 token in the HTTP header. The SAML Bearer v2.0 token is automatically created. The issuer name and subject name are provided either programmatically or declarative through policy. Audience restriction condition can be specified. This policy can be attached to any Http-based client.
oracle/wss_saml_token_bearer_service_policy	1	This policy authenticates users using credentials provided in SAML Bearer token in the WS-Security SOAP header. By default, SAML Bearer token is expected to be signed with an enveloped signature. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_sts_issued_saml_with_message_protection_client_policy	1	This policy inserts SAML Sender vouches assertion issued by a trusted STS (Security Token Service). Messages are protected using client's private key.
oracle/http_wls_security_service_policy	1	This policy verifies that WLS based Security has authenticated the user and has established an identity. This policy can be applied to any Http-based endpoint in conjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-mtom-20050125/ and http://www.w3.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
oracle/soap_request_processing_service_policy	1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
oracle/async_web_service_policy	1	This policy facilitates enabling and configuring JRF service-side async support.
oracle/no_atomic_transaction_policy	1	This policy facilitates the disabling of atomic transaction support. It also disables globally attached policy of the same policy category/subcategory.
oracle/wss11_sts_issued_saml_hok_with_message_protection_client_policy	1	This policy inserts SAML HOK assertion issued by a trusted STS (Security Token Service). Messages are protected using proof key material provided by STS.
oracle/no_messageprotection_client_policy	1	This policy facilitates the disabling of a globally attached message protection policy. This will

8.2 Host Domain Verification

To verify the Host domain installation:





1. Start the Host domain Admin and Managed servers.
2. Navigate to the **Summary of Deployments** page.
3. Verify that the **Status** of the following OBEDM libraries and applications is *Active*.

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

Figure 8–6 Host WebLogic Console

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

Figure 8–7 Host WebLogic Console

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

JMS Modules

The following JMS Modules are created during host installation:

Figure 8–8 Host WebLogic Console

JMS Modules (Filtered - More Columns Exist)

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

New Delete Showing 1 to 17 of 17 Previous | Next

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

New Delete Showing 1 to 17 of 17 Previous | Next

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

Figure 8–9 HOST admin wsm-pm validator

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

Policy Manager Status: Operational

Policies (204)

Name	Latest Version	Description
oracle/binding_authorization_permitall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy permits all users with any roles. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SOAP-based endpoint.
oracle/http_saml20_token_bearer_client_policy	1	This policy includes SAML Bearer v2.0 token in the HTTP header. The SAML Bearer v2.0 token is automatically created. The issuer name and subject name are provided either programmatically or declarative through policy. Audience restriction condition can be specified. This policy can be attached to any Http-based client.
oracle/wss_saml_token_bearer_service_policy	1	This policy authenticates users using credentials provided in SAML Bearer token in the WS-Security SOAP header. By default, SAML Bearer token is expected to be signed with an enveloped signature. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_sts_issued_saml_with_message_protection_client_policy	1	This policy inserts SAML Sender vouches assertion issued by a trusted STS (Security Token Service). Messages are protected using client's private key.
oracle/http_wfs_security_service_policy	1	This policy verifies that WLS based Security has authenticated the user and has established an identity. This policy can be applied to any Http-based endpoint in disjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-ntom-20050125/ and http://www.w3.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
oracle/soap_request_processing_service_policy	1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
oracle/no_atomic_transaction_policy	1	This policy facilitates the disabling of atomic transaction support. It also disables globally attached policy of the same policy category/subcategory.
oracle/wss11_sts_issued_saml_hok_with_message_protection_client_policy	1	This policy inserts SAML HOK assertion issued by a trusted STS (Security Token Service). Messages are protected using proof key material provided by STS.
oracle/async_web_service_policy	1	This policy facilitates enabling and configuring JRF service-side async support.
oracle/no_messageprotection_client_policy	1	This policy facilitates the disabling of a globally attached message protection policy. This will

Figure 8–10 HOST managed wsm-pm validator

Name	Latest Version	Description
oracle/binding_authorization_permitall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy permits all users with any roles. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SOAP-based endpoint.
oracle/http_saml20_token_bearer_client_policy	1	This policy includes SAML Bearer v2.0 token in the HTTP header. The SAML Bearer v2.0 token is automatically created. The issuer name and subject name are provided either programmatically or declarative through policy. Audience restriction condition can be specified. This policy can be attached to any Http-based client.
oracle/wss_saml_token_bearer_service_policy	1	This policy authenticates users using credentials provided in SAML Bearer token in the WS-Security SOAP header. By default, SAML Bearer token is expected to be signed with an enveloped signature. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_sts_issued_saml_with_message_protection_client_policy	1	This policy inserts SAML Sender vouches assertion issued by a trusted STS (Security Token Service). Messages are protected using client's private key.
oracle/http_wls_security_service_policy	1	This policy verifies that WLS based Security has authenticated the user and has established an identity. This policy can be applied to any Http-based endpoint in disjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-ntom-20050125/ and http://www.w3.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
oracle/soap_request_processing_service_policy	1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
oracle/no_atomic_transaction_policy	1	This policy facilitates the disabling of atomic transaction support. It also disables globally attached policy of the same policy category/subcategory.
oracle/wss11_sts_issued_saml_hok_with_message_protection_client_policy	1	This policy inserts SAML HOK assertion issued by a trusted STS (Security Token Service). Messages are protected using proof key material provided by STS.
oracle/async_web_service_policy	1	This policy facilitates enabling and configuring JRF service-side async support.
oracle/no_messageprotection_client_policy	1	This policy facilitates the disabling of a globally attached message protection policy. This will include disabling that global policy condition over other conditions in addition to this.

Additionally, the installer can verify the following:

- **JMS Resources and Security Credentials**
 - Verify the creation of JMS resources Using admin console.
 - Verify security credential mappings for resource adapter under obphost.
- **OID Integration**
 - Verify that the users and groups are created under **Security --> Myrealms --> Users And Groups**. This is one of the indicators of successful OID integration.
- **SMS Policy Seeding**
 - Verify from logs under `$(HOST_FWM)/obpoidinstall/PolicyStoreSetup/logs` to ensure policy seeding was complete.
 - EM and OWSM should also be verified in host as in UI.

9 Errors and Remedies

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

9.1 OBEDM Security Policy Seeding

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

9.2 OBEDM Domain Post Installation

This section lists various log files that assist in troubleshooting domain post installation as follows:

obp-* logs

During post installation in order to monitor errors, if any, you can check the obp-* logs created in the OBEDM WebLogic domain. These logs contain adequate tracing information required to understand the current execution point of the script. This facilitates to determine the various configurations that were executed and those that need due action.

WebLogic Admin Server Logs and stderr file

The script does domain level configurations that require several automated reboots of admin server, which can be monitored by checking the WebLogic admin server logs and stderr file created under `obp-domain-dir/servers/AdminServer/stderr.log`.

For instance, consider a scenario of OBEDM Host installation in which once the post install script for OBEDM host has secured itself against a LDAP (OID/OVD) it proceeds to restart the OBEDM Host domain admin server to produce these changes. During this if due to a momentary network failure the host machine is unable to make a connection to LDAP then the admin server would fail to start. This will result in the post install script to abruptly abort throwing a subsequent script error (again which might not be conclusive enough to point out the root cause). The 'obp-*' logs created in the OBEDM Host domain would indicate an incomplete attempt by 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

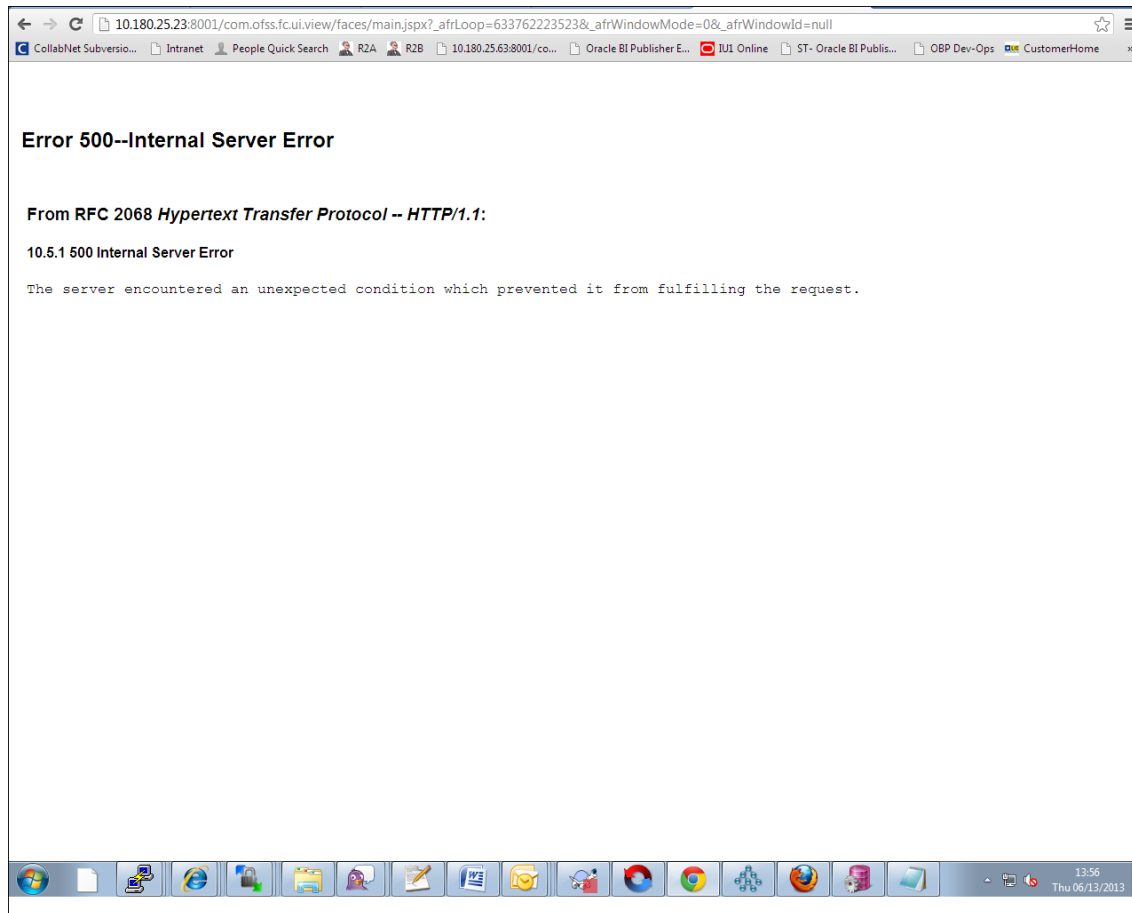
Once the post install script is completed successfully, you can start the domain servers and enter a dummy transaction to check the system correctness. If you face an error you can inspect the stderr log, the WebLogic domain managed server logs as well as the ofss logs under domain directory.

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.

9.3 Error on First Log in

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

Figure 9–1 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.

9.4 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.

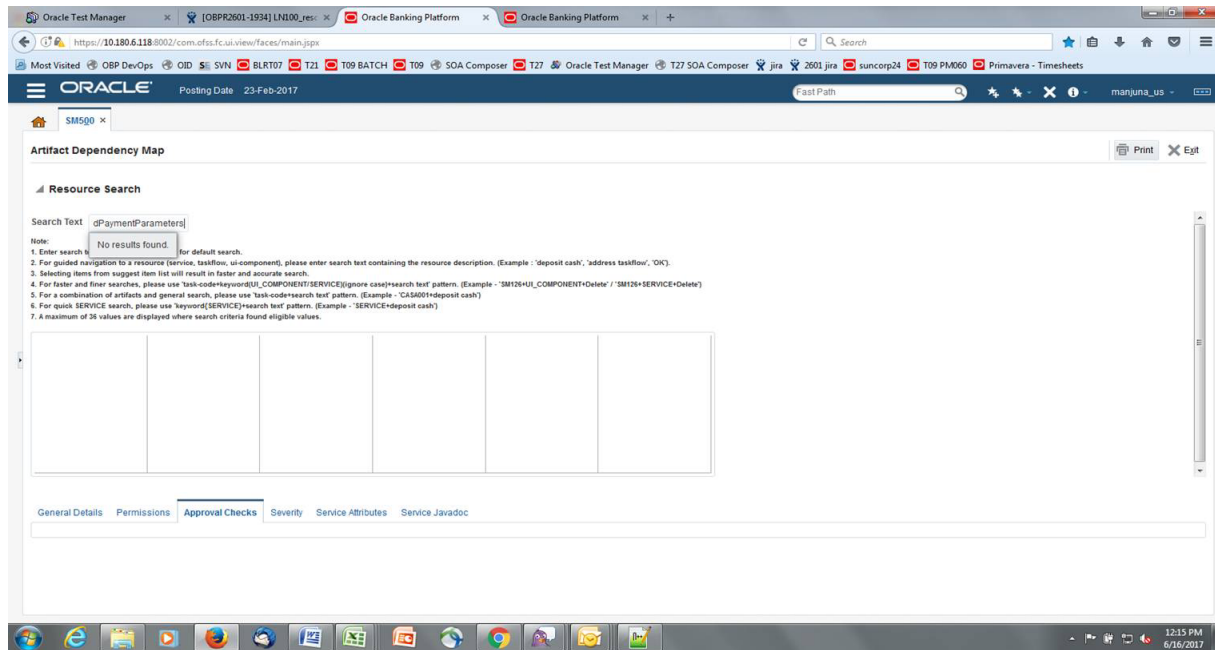
9.5 Artifacts Issue for SM500 page

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 9–2 Artifacts Issue for SM500 page



10 Uninstalling the Application

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

10.1 Manual Uninstall

Currently an installed OBEDM WebLogic domain can be uninstalled manually by removing following directories:

- Manually delete WebLogic domain (Middleware_Home/user_projects/domains) created from obpinstall template.
- Clean up middleware directory for any files or folders containing obp in their names (simply run `rm -rf *obp*` under middleware directory).
- For uninstalling any of the Oracle Banking Enterprise Default Management related database schemas run the RCU utility and choose the **Drop** option.