Oracle® Banking Platform

Installation Guide - Silent Installation Release 2.6.2.0.0 **E95189-01**

May 2018



Oracle Banking Platform Installation Guide - Silent Installation, Release 2.6.2.0.0

E95189-01

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Preface

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

This preface contains the following topics:

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

Audience

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

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

Documentation Accessibility

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

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Organization of the Guide

This document contains:

Chapter 1 About This Guide

This chapter provides details about applicability of this guide.

Chapter 2 Getting Started

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

Chapter 3 Pre-Installation Configuration

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

Chapter 4 Oracle Banking Platform SOA Media Pack Installation

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

Chapter 5 Oracle Banking Platform Host Media Pack Installation

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

Chapter 6 Oracle Banking Platform Presentation Media Pack Installation

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

Chapter 7 Oracle Banking Platform Reference Process Models Media Pack Installation

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

Chapter 8 Oracle BAM Installation using OBP SOA Media Pack

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

Chapter 9 Standalone Database Setup

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

Chapter 10 Oracle Banking Platform and IPM Integration

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

Chapter 11 OBP and OCH-OSC Integration

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

Chapter 12 BIP Datasource Creation

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

Chapter 13 ODI Configuration

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

Chapter 14 Swagger UI Deployment

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

Chapter 15 Monitoring Servers Using Oracle Enterprise Manager

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

Chapter 16 Analytics Configuration

This chapter explains the configuration required to set up analytics

Chapter 17 Post Installation Verification

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

Chapter 18 Errors and Remedies

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

Chapter 19 Uninstalling the Application

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

Related Documents

For more information, see the following documentation:

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

Conventions

The following text conventions are used in this document:

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

The following acronyms are used in this document:

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

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

1 About This Guide

This guide is applicable for the following products:

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

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

1.1 Section Not Applicable for Oracle Banking Enterprise Product Manufacturing

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

Chapter 12 BIP Datasource Creation

2 Getting Started

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

2.1 About Oracle Banking Platform

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

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

2.2 About This Document

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

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

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

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

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

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

2.3 Assumptions

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

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

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

2.4 Limitations

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

2.5 Exclusions

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

3 Pre-Installation Configuration

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

3.1 Setup Prerequisites

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

3.1.1 Hardware Environment

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

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

3.1.2 Software Environment

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

3.1.2.1 Certification Details

The following software are mandatory:

Table 3–2 List of Software

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

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

The following are some notes related to the software.

Table 3–3 Notes

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

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

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

3.1.2.2 Optional

The following software is optional:

Oracle VM server release 2.2.0

3.1.2.3 Patching

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

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

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

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

The installation steps are as follows:

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

tar -xvzf suds-0.4.tar.gz tar -xvzf docutils-0.12.tar.gz tar -xvzf wstools-0.4.3.tar.gz tar -xvzf SOAPpy-0.12.5.tar.gz tar -xvzf PyYAML-3.11.tar.gz tar -xvzf JPype1-0.5.7.tar.gz chmod -R 777 * cd suds-0.4 python setup.py install cd ../docutils-0.12 python setup.py install cd ../wstools-0.4.3 python setup.py install cd ../SOAPpy-0.12.5 python setup.py install cd ../PyYAML-3.11 python setup.py install cd ../JPype1-0.5.7 python setup.py install

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

3.2 Configure Variables

Perform the following steps to configure the variables:

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

The wsdl details will be as follows:

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

For example, url:

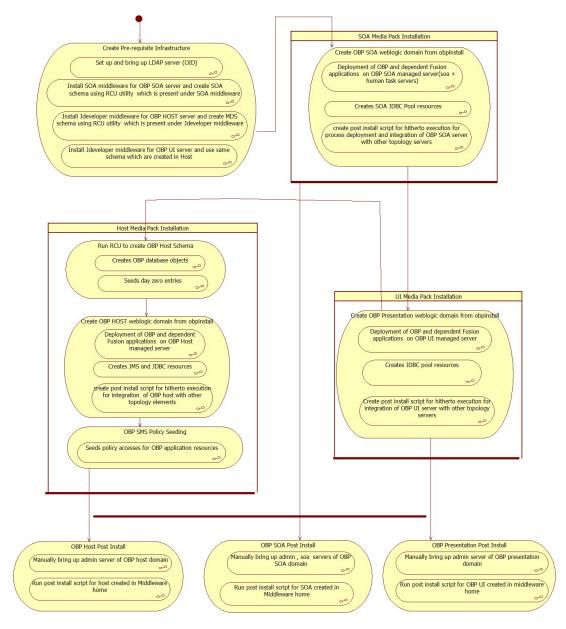
http://<Ip>:<Port>/com.ofss.fc.webservice/services/sms/TransactionBlackoutApplicationServiceSpi ?wsdl

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

3.3 Installation Process Overview

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





3.4 Installation Checklist

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

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

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

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

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

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

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

3.4.1 Updating installobp***.properties

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

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

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

Sr.No	Name	Description	Example Value	Value
		utility executing on a remote Linux server.		
9	LOCAL_DISPLAY_ VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
10	DOMAIN_NAME	Weblogic Domain name	host_domain or ui_domain or base_ domain	
11	DOMAIN_DIRECTORY_ LOCATION	Location where DOMAIN_ NAME folder will be created	/scratch/app/product/fmw/user_ projects/domains	
12	WEBLOGIC_ USERNAME	Username for weblogic domain	weblogic	
13	WEBLOGIC_ PASSWORD	Password for weblogic domain	weblogic1	
14	ADMIN_SERVER_ LISTEN_ADDRESS	Admin server listen address	10.180.84.110(Always use i/p , don't use localhost)	
15	ADMIN_SERVER_ LISTEN_PORT	Admin server listen port	7001	
16	ADMIN_SERVER_SSL_ LISTEN_PORT	Admin server SSL listen port	7002	
17	MANAGED_SERVER_ LISTEN_ADDRESS	Managed server listen address	10.180.84.110	
18	MANAGED_SERVER_ LISTEN_PORT	Managed server listen port	8001	
19	MANAGED_SERVER_ SSL_LISTEN_PORT	SSL listen port for managed server	8002	
20	LDAP_PROVIDER	Refers to LDAP Provider .Value will be OID or OVD.	OID	
21	OID_IP	I/P address of the OID server.	10.180.84.113	
22	OID_PORT	Port of the OID process instance.	389	
23	OID_ADMIN_USER	Admin user id	cn= orcladmin	

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

Sr.No	Name	Description	Example Value	Value
31	OUI_JAVA_HOME	Refers to the home directory of java installation. The version of java installed should be 1.8.101. This is used for OBP patching.	/scratch/app/product/jdk1.8.0_101	
32	CENTRAL_ INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oraInventory	
33	HOST_IP	I/P address of the server on which the OBP host or middleware layer should be installed.	10.180.84.110(Always use i/p , don't use localhost)	
34	HOST_TARGET	Refers to a location on the Host server where the installable can be transferred. 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	

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

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

Sr.No	Name	Description	Example Value	Value
65	IPM_SERVER_IP	IP of Oracle Image and Processing Server for OBP Content Management	10.180.84.114	
66	IPM_SERVER_PORT	Port of Oracle Image and Processing Server for OBP Content Management	16000	
67	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
68	OAAM_SERVER_IP	OAAM server IP for 2FA. OAAM_ SERVER_IP refers to the ip address of OAAM Server (i.e. the IP of default server name as oaam_server_ server1)	oaam-ofss.com	
69	OAAM_SERVER_PORT	OAAM server Port for 2FA. OAAM_ SERVER_ PORT refers to the port of OAAM Server (default server name as oaam_ server_server1)	14000	
70	OIM_SERVER_IP	Oracle Identity Manager IP	oim-ofss.com	
71	OIM_SERVER_PORT	Oracle Identity Manager Port	16000	
72	OFSAA_SERVER_IP	OFSAA Server IP	ofsaa-ofss.com	
73	OFSAA_SERVER_ PORT	OFSAA Server Port	17000	
74	DOCUMAKER_ SERVER_IP	i/p address of Documaker server	documaker-ofss.com	

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

Sr.No	Name	Description	Example Value	Value
93	MDS_HOST_DB_USER	MDS schema user to be used by UI and Host domain	UI2601_MDS	
94	MDS_HOST_DB_ PASSWORD	MDS schema Password of MDS schema user to be used by UI and Host domain	welcome1	
95	MDS_HOST_DB_IP	MDS DB IP address of MDS schema user to be used by UI and Host domain	10.180.84.113	
96	MDS_HOST_DB_PORT	MDS db port of MDS schema user to be used by UI and Host domain	1521	
97	MDS_HOST_DB_ SERVICE_NAME	MDS db service name of MDS schema user to be used by UI and Host domain	P84113A	
98	OPSS_SOA_SCHEMA_ USER	SOA OPSS schema name	SOA262_OPSS	
99	OPSS_SOA_AUDIT_ DBDS	SOA OPSS Audit schema name	SOA262_IAU_APPEND	
100	OPSS_SOA_AUDIT_ VIEWDS	SOA OPSS Audit View schema name	SOA262_IAU_VIEWER	
101	OPSS_SOA_SCHEMA_ PASSWORD	Password of SOA OPSS schema name	welcome1	
102	OPSS_SOA_DB_IP	IP address of SOA OPSS DB machine	10.180.84.113	
103	OPSS_SOA_DB_PORT	Port of SOA OPSS DB	1521	
104	OPSS_SOA_DB_ SERVICE_NAME	Service name of SOA OPSS DB	P84113A	
105	HOST_ADMIN_JVM_ PARAMS	Host domain admin JVM startup parameters	-Xms1024m -Xmx4096m	

Sr.No	Name	Description	Example Value	Value
106	HOST_MANAGED_ JVM_PARAMS	Host domain managed JVM startup parameters	Xms8g -Xmx8g -XX:NewSize=2048m -XX:MaxNewSize=4096m -XX:+UseParNewGC -XX: +CMSParallelRemarkEnabled - XX:+UseConcMarkSweepGC - XX:CMSInitiatingOccupancyFraction=75	
107	KEYSTORE_ PASSWORD	Password for generating certificate	welcome1	
108	IPM_OUTBOUND_ USERNAME	IPM Username created in connector	weblogic	
109	IPM_OUTBOUND_ PASSWORD	Password for the IPM user in connector	weblogic1	
110	BIP_OUTBOUND_ USERNAME	BIP Username created in connector	weblogic	
111	BIP_OUTBOUND_ PASSWORD	Password for the BIP user in connector	weblogic1	
112	ODI_OUTBOUND_ USERNAME	ODI Username created in connector	weblogic	
113	ODI_OUTBOUND_ PASSWORD	Password for the ODI user in connector	weblogic1	
114	OIM_OUTBOUND_ USERNAME	OIM Username created in connector	weblogic	
115	OIM_OUTBOUND_ PASSWORD	Password for the OIM user in connector	weblogic1	
116	WCM_OUTBOUND_ USERNAME	WCM Username created in connector	weblogic	
117	WCM_OUTBOUND_ PASSWORD	Password for the WCM user in connector	weblogic1	
118	OFFLINE_CHANNEL_ OUTBOUND_ USERNAME	Offline Username created in connector	offlineuser	
119	OFFLINE_CHANNEL_	Password for the	welcome1	

Sr.No	Name	Description	Example Value	Value
	OUTBOUND_ PASSWORD	Offline user in connector		
120	SAML_ISSUER_ OUTBOUND_ USERNAME	SAML ISSUER Username created in connector	weblogic	
121	SAML_ISSUER_ OUTBOUND_ PASSWORD	Password for the SAML ISSUER user in connector	weblogic1	
122	BPEL_ENCRYPTION_ OUTBOUND_ USERNAME	BPEL_ ENCRYPTION Username created in connector	weblogic	
123	BPEL_ENCRYPTION_ OUTBOUND_ PASSWORD	Password for the BPEL_ ENCRYPTION user in connector	weblogic1	
124	FTP_IPM_OUTBOUND_ USERNAME	FTP IPM Username created in connector	weblogic	
125	FTP_IPM_OUTBOUND_ PASSWORD	Password for the FTP IPM user in connector	weblogic1	
126	FTP_BIP_OUTBOUND_ USERNAME	FTP BIP Username created in connector	weblogic	
127	FTP_BIP_OUTBOUND_ PASSWORD	Password for the FTP BIP user in connector	weblogic1	
128	BIP_USR_ OUTBOUND_ USERNAME	BIP Username created in connector	weblogic	
129	BIP_USR_ OUTBOUND_ PASSWORD	Password for the BIP user in connector	weblogic1	
130	SOA_PURGING_ OUTBOUND_ USERNAME	SOA Username created in connector	weblogic	
131	SOA_PURGING_ OUTBOUND_ PASSWORD	Password for the SOA user in connector	weblogic1	
132	SOA_OUTBOUND_ USERNAME	SOA Username created in	weblogic	

Sr.No	Name	Description	Example Value	Value
		connector		
133	SOA_OUTBOUND_ PASSWORD	Password for the SOA user in connector	weblogic1	
134	ATMUSER_ OUTBOUND_ USERNAME	ATM Username created in connector	ATMUser	
135	ATMUSER_ OUTBOUND_ PASSWORD	Password for the ATM user in connector	welcome1	
136	POSUSER_ OUTBOUND_ USERNAME	POS Username created in connector	POSUser	
137	POSUSER_ OUTBOUND_ PASSWORD	Password for the POS user in connector	welcome1	
138	DMSHOST_ OUTBOUND_ USERNAME	DMS HOST Username created in connector	weblogic	
139	DMSHOST_ OUTBOUND_ PASSWORD	Password for the DMS HOST user in connector	weblogic1	
140	DMSUI_OUTBOUND_ USERNAME	DMS UI Username created in connector	weblogic	
141	DMSUI_OUTBOUND_ PASSWORD	Password for the DMS UI user in connector	weblogic1	
142	OCH_OUTBOUND_ USERNAME	OCH Username created in connector	weblogic	
143	OCH_OUTBOUND_ PASSWORD	Password for the OCH user in connector	weblogic1	
144	WS_MFT_OUTBOUND_ USERNAME	WS_MFT Username created in connector	weblogic	
145	WS_MFT_OUTBOUND_ PASSWORD	Password for the WS_MFT user in connector	weblogic1	
146	OP_OUTBOUND_ USERNAME	OP Username created in	weblogic	

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

Sr.No	Name	Description	Example Value	Value
		machine on which software like XManager is installed for rendering UI of a utility executing on a remote Linux server.		
165	LOCAL_DISPLAY_ VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
166	DOMAIN_NAME	Weblogic Domain name	Host_domain or ui_domain or base_ domain	
167	DOMAIN_DIRECTORY_ LOCATION	Location where DOMAIN_ NAME folder will be created	/scratch/app/product/fmw/user_ projects/domains	
168	WEBLOGIC_ USERNAME	Username for weblogic domain	weblogic	
169	WEBLOGIC_ PASSWORD	Password for weblogic domain	weblogic1	
170	LOCAL_DATASOURCE	Usemame of LOCAL_ DATASOURCE	PRDUI_STB	
171	OPSS_UI_SCHEMA_ USER	OPSS UI schema name	PRDUI_OPSS	
172	OPSS_UI_SCHEMA_ PASSWORD	OPSS UI schema password	Welcome1	
173	OPSS_UI_DB_IP	OPSS UI DB IP	10.180.84.113	
174	OPSS_UI_DB_PORT	OPSS UI DB PORT	1521	
175	OPSS_UI_DB_ SERVICE_NAME	OPSS UI DB SERIVICE NAME	P84113A	
176	MDS_SCHEMA_USER	MDS schema name	PRDUI_MDS	
177	MDS_SCHEMA_ PASSWORD	Password of MDS schema	welcome1	
178	MDS_DB_IP	MDS DB IP	10.180.84.113	

Sr.No	Name	Description	Example Value	Value
179	MDS_DB_PORT	MDS DB PORT	1521	
180	MDS_DB_SERVICE_ NAME	MDS DB SERVIVE NAME	P84113A	
181	OPSS_SOA_SCHEMA_ USER	SOA OPSS Schema name	PRDSOA_OPSS	
182	OPSS_SOA_AUDIT_ DBDS	SOA OPSS AUDIT schema name	PRDSOA_IAU_APPEND	
183	OPSS_SOA_AUDIT_ VIEWDS	SOA OPSS AUDIT VIEWDB Schema name	PRDSOA_IAU_VIEWER	
184	OPSS_SOA_SCHEMA_ PASSWORD	SOA OPSS password for above three OPSS schema	welcome1	
185	OPSS_SOA_DB_IP	Service name of UI OPSS DB	10.180.84.113	
186	OPSS_SOA_DB_PORT	SOA OPSS DB PORT	1521	
187	OPSS_SOA_DB_ SERVICE_NAME	SOA OPSS DB SERVICE NAME	P84113A	
188	HOST_SCHEMA_USER	OBP Host Database username	R262_OBP_HOST	
189	HOST_SCHEMA_ PASSWORD	OBP Host Database password	welcome1	
190	HOST_DB_IP	OBP Host Database i/p address	10.180.84.113	
191	HOST_DB_PORT	OBP Host Database listen port	1521	
192	HOST_DB_SERVICE_ NAME	OBP Host Database service name	P84113A	
193	ONS_NODE	i/p address of ONS service	10.180.84.113	
194	ONS_PORT	Listen port of ONS service	6250	
195	ADMIN_SERVER_ LISTEN_ADDRESS	Admin server listen address	10.180.84.111	

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

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

Sr.No	Name	Description	Example Value	Value
		home directory of java installation. The version of java installed should be 1.8.0 . This is used for OBP patching.		
216	CENTRAL_ INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oraInventory	
217	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
218	IPM_UNIX_USER	Linux login user id of IPM server	ofssobp	
219	IPM_SERVER_IP	i/p address of IPM server	10.180.84.114	
220	IPM_SERVER_PORT	Listen port of IPM server	16000	
221	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ECM1	
222	BIP_SERVER_IP	i/p address of BIP server	10.180.84.115	
223	BIP_SERVER_PORT	Listen port of BIP server	9502	
224	BIP_UNIX_USER	Linux login user id of BIP server	ofssobp	
225	BIP_HOME	Oracle BIP Home directory on BIP server	/scratch/app/product/fmw/bi	
226	OAAM_SERVER_IP	OAAM server IP for 2FA. OAAM_ SERVER_IP refers to the ip address of OAAM Server (i.e. the IP of default server name as oaam_ server_server1)	oaam-ofss.com	
227	OAAM_SERVER_PORT	OAAM server	14000	

Sr.No	Name	Description	Example Value	Value
		Port for 2FA.		
		OAAM_ SERVER_ PORT refers to the port of OAAM Server (default server name as oaam_ server_server1)		
228	OIM_SERVER_IP	Oracle Identity Manager i/p address	oim-ofss.com	
229	OIM_SERVER_PORT	Oracle Identity Manager Listen Port	16000	
230	OFSAA_SERVER_IP	OFSAA Server i/p address	ofsaa-ofss.com	
231	OFSAA_SERVER_ PORT	OFSAA Server listen port	17000	
232	UI_ADMIN_JVM_ PARAMS	UI domain admin JVM startup parameters	-Xms2048m -Xmx4096m	
233	UI_MANAGED_JVM_ PARAMS	UI domain managed JVM startup parameters	-Djbo.ampoo I.doampooling=false -Xms6g -Xmx6g -XX:NewSize=512m -XX:NewSize=2048m -XX:HuseParNewGC -XX:+UseParNewGC -XX:+CMSParallel RemarkEnabled -XX:+UseConcMark SweepGC -XX:CMSInitiating Occupancy Fraction=75 -Djbo.load.com ponents.lazily=true	
234	HOST_ADMIN_ SERVER_LISTEN_ ADDRESS	Listen address of HOST admin server	10.180.84.110	
235	HOST_ADMIN_ SERVER_LISTEN_ PORT	Listen port of HOST admin server	7001	

Sr.No	Name	Description	Example Value	Value
236	HOST_MANAGED_ SERVER_LISTEN_ ADDRESS	Listen address of host managed server	10.180.84.110	
237	HOST_MANAGED_ SERVER_LISTEN_ PORT	Listen port of host managed server	8001	
238	SOA_MANAGED_ SERVER_LISTEN_ ADDRESS	Listen address of SOA server	10.180.84.112	
239	SOA_MANAGED_ SERVER_LISTEN_ PORT	Listen port of SOA server	8001	
240	SOA_ADMIN_ SERVER_LISTEN_ ADDRESS	Listen address of Admin SOA server	10.180.84.112	
241	SOA_ADMIN_ SERVER_LISTEN_ PORT	Listen port of Admin SOA server	7001	
242	KEYSTORE_ PASSWORD	Password for generating certificate	welcome1	
243	UI_SSL_PASSWORD	Password for configuring SSL in UI domain	welcome1	
244	UCM_READ_FROM_ URL	Flag for getting UCM URL from properties file. These values are used by the Webcenter Portal application for internet banking. Hence values for UCM_READ_ FROM_URL and UCM_IP, UCM_ PORT below can be left as is for installations, which do not use the Webcenter portal for hosting their internet banking application. However, as a best practice, it	true/false	

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

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

Sr.No	Name	Description	Example Value	Value
		weblogic domain to be created	domain	
272	DOMAIN_DIRECTORY_ LOCATION	Location where DOMAIN_ NAME folder will be created	/scratch/app/product/fmw/user_ projects/domains	
273	WEBLOGIC_ USERNAME	Username for weblogic domain	weblogic	
274	WEBLOGIC_ PASSWORD	Password for weblogic domain	weblogic1	
275	MDS_SCHEMA_USER	MDS schema user for SOA domain	SOA262_MDS	
276	SOA_ INFRASTRUCTURE_ SCHEMA_USER	SOA infrastructure schema user for SOA domain	SOA262_SOAINFRA	
277	LOCAL_DATASOURCE	Local schema user for SOA domain	SOA262_STB	
278	UMS_DATASOURCE	UMS schema user for SOA domain	SOA262_UMS	
279	DB_SCHEMA_ PASSWORD	Password for MDS schema user	welcome1	
280	DB_IP	i/p address of MDS db machine	10.180.84.113	
281	DB_PORT	Port of MDS db port	1521	
282	DB_SERVICE_NAME	Service Name of MDS user	P84113A	
283	HOST_SCHEMA_USER	OBP Host Database username	R262_OBP_HOST	
284	HOST_SCHEMA_ PASSWORD	OBP Host Database password	welcome1	
285	HOST_DB_IP	OBP Host Database i/p address	10.180.84.113	
286	HOST_DB_PORT	OBP Host Database port	1521	

Sr.No	Name	Description	Example Value	Value
287	HOST_DB_SERVICE_ NAME	OBP Host Database service name	P84113A	
288	ONS_NODE	i/p address of ONS service	10.180.84.113	
289	ONS_PORT	Port of ONS service	6250	
290	OPSS_SOA_SCHEMA_ USER	SOA OPSS Schema Name	SOA262_OPSS	
291	OPSS_SOA_AUDIT_ DBDS	SOA OPSS AUDIT Schema name	SOA262_IAU_APPEND	
292	OPSS_SOA_AUDIT_ VIEWDS	SOA OPSS AUDIT VIEWDS Schema name	SOA262_IAU_VIEWER	
293	OPSS_SOA_SCHEMA_ PASSWORD	Password of OPSS_SOA_ SCHEMA_ USER	welcome1	
294	OPSS_SOA_DB_IP	i/p address of SOA OPSS DB.	10.180.84.113	
295	OPSS_SOA_DB_PORT	Port of SOA OPSS DB.	1521	
296	OPSS_SOA_DB_ SERVICE_NAME	Service name of SOA OPSS DB.	P84113A	
297	ADMIN_SERVER_ LISTEN_ADDRESS	Admin server listen address	10.180.84.112	
298	ADMIN_SERVER_ LISTEN_PORT	Admin server listen port	7001	
299	ADMIN_SERVER_SSL_ LISTEN_PORT	Admin server SSL listen address	7002	
300	SOA_SERVER_ LISTEN_ADDRESS	Listen address of SOA server	10.180.84.112	
301	SOA_SERVER_ LISTEN_PORT	Listen port of SOA server	8001	
302	SOA_SERVER_SSL_ LISTEN_PORT	SSL Listen port of SOA server	8002	
303	HUMANTASK_ SERVER_LISTEN_ ADDRESS	Listen address of humantask server	10.180.84.112	
304	HUMANTASK_ SERVER_LISTEN_	Listen port of humantask	9001	

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

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

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

Sr.No	Name	Description	Example Value	Value
			=2048m -XX: +UseParNewGC -XX:+ CMSParallel RemarkEnabled -XX:+UseConcMark SweepGC -XX:CMSInitiating OccupancyFraction=75 -Dobp.http. maxRetryCount=1 -Dobp.http .socketBufferSize=81	
337	SOA_MANAGED_JVM_ PARAMS	SOA domain managed soa server's JVM startup parameters	-XX:NewSize =2048m -XX:MaxNewSize =4096m -XX:+UsePa rNewGC -XX: +CMSPar allelRemarkEnabled -XX:+UseCo ncMarkSweepGC -XX:CMSInit iatingOccupancy Fraction=75 -Xms11g -Xms11g	
338	KEYSTORE_ PASSWORD	Password for generating certificate	welcome1	
339	UI_MANAGED_ SERVER_LISTEN_ ADDRESS	i/p address of UI Managed server	10.180.84.111	
340	UI_MANAGED_ SERVER_LISTEN_ PORT	Listen port of UI Managed server	8001	
341	UI_ADMIN_SERVER_ LISTEN_ADDRESS	i/p address of UI Admin server	10.180.84.111	
342	UI_ADMIN_SERVER_ LISTEN_PORT	Listen port of UI Admin server	7001	
343	DEFAULT_BANK_ CODE	Default bank code will be set	8	

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

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

3.4.2 Database and WebLogic Domain Configuration

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

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

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

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

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

3.5 OID Schema Setup – Custom OBP Schema

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

3.5.1 Prerequisite – OID setup

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

3.5.2 Verify the OID installation

This section describes the procedure to verify the OID installation.

3.5.2.1 Start and Verify the OID processes

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

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

```
cd /oracle/app/product/fmw/asinst_1/bin
```

```
./opmnctl startall
```

Figure 3–3 Locate the OID Instance

🗊 oracle@oelguest1:~ - Shell - Konsole					
Session	Edit	View	Bookmarks	Settings	Help
oracle	@oelgu	est1 -	~]\$ cd /ora	cle/app/	product/fmw/asinst_1/bin
	cj.				177 - 19 7 8

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

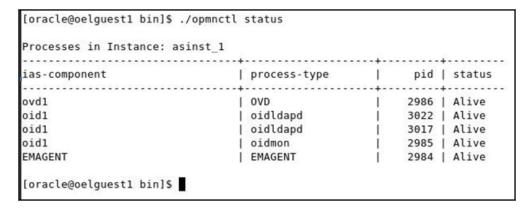
Figure 3–4 Start the OID Instance

oracle@oelguest1:/oracle/app/product/fmw/asinst_1/bin - Shell - Konsole					
Session	Edit	View	Bookmarks	Settings	Help
[oracle	@oelgu	Jest1 -	~]\$ cd /ora	cle/app/p	preduct/fmw/asinst_1/bin
[oracle	@oelgu	Jest1	bin]\$		
[oracle	doelgu	Jest1	bin]\$		
[oracle	Boelgu	Jest1	bin]\$./opm	nctl star	rtall
opmnctl	start	tall: s	starting op	mn and a	ll managed processes

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

./opmnctl status

Figure 3–5 Verify the Status of OID Instance



3.5.2.2 OPSS/OID Performance Tuning

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

Parameters

Change the parameter values as provided below.

Parameter Name	Value
orcImaxcc (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
orcImatchdenabled (Enable MatchDN Processing)	0

Table 3–5 Parameter Values to be Changed

Advanced OID tuning

The steps to perform advanced OID tuning are as follows:

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

dn: cn=dsaconfig,cn=configsets,cn=oracle internet directory changetype: modify replace: orclecachemaxsize orclecachemaxsize: 3g

replace: orclecachemaxentries orclecachemaxentries: 500000

Sample tune.ldif file dn: cn=oid1,cn=osdldapd,cn=subconfigsubentry changetype: modify replace: orclserverprocs orclserverprocs: 4

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

dn: cn=oid1,cn=osdldapd,cn=subconfigsubentrychangetype: modifyreplace: orclgeneratechangelog

orclgeneratechangelog: 0

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

changetype: modify

replace: orclldapconntimeout

orclldapconntimeout: 60

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

replace: orclmatchdenabled

orclmatchdenabled: 0

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

Note

Ensure that 'Idapmodify' is available on the machine.

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

Example:

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

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

ORACLE HOME

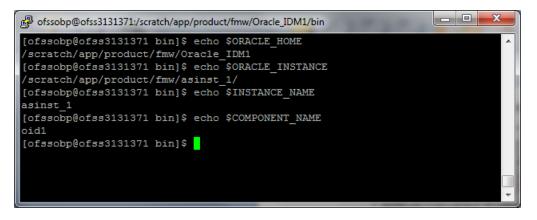
ORACLE INSTANCE

INSTANCE NAME

COMPONENT NAME

Here are some default examples:

Figure 3–6 Example of environment variables



See the OID Tuning Guide available at http://docs.oracle.com/cd/E23943_ 01/core.1111/e10108/oid.htm#ASPER99961

Patch for OID:

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

OPSS Tuning

The steps to perform advanced OPSS tuning are as follows:

1. IDM Database recommendations

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

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

Sr. No.	DB Property Name	Suggested Value for Tuning	Alter Command
7	Filesystemio_Options	SETALL	ALTER SYSTEM SET filesystemio_ options = SETALL SCOPE = spfile;
8	Fast_start_mttr_target	3600	ALTER SYSTEM SET fast_start_mttr_ target = 3600 SCOPE = spfile;
9	db_securefile	ALWAYS	ALTER SYSTEM SET db_securefile = ALWAYS SCOPE = spfile;
10	Session_cached_ cursors	500	ALTER SYSTEM SET session_ cached_cursors = 500 SCOPE = spfile;
11	plsql_code_type	NATIVE	ALTER SYSTEM SET plsql_code_ type = NATIVE SCOPE = spfile;
12	_b_tree_bitmap_plans	false	ALTER SYSTEM SET "_b_tree_ bitmap_plans" = FALSE scope=spfile;
13	Memory_target	0	ALTER SYSTEM SET memory_ target=0 SCOPE = SPFILE;

b. Redo log file.

Allocated Disk Space for Redo Log Files

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

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

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

c. Undo tablespace.

Increase Disk Space Allocated for UNDO Tablespace

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

- 2. jps-config.xml (All servers of OBP-UI, OBP-Host, OBP-SOA domains)
 - Remove the following properties from <serviceInstance name="pdp.service" provider="pdp.service.provider"> in jps_config.xml.

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

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

b. Add following properties:

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

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

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

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

```
<serviceInstance name="pdp.service"</pre>
provider="pdp.service.provider">
<description>Runtime PDP service instance</description>
<property name="authorization cache enabled"</pre>
value="true"/>
<property name="connection.pool.min.size" value="20"/>
<property name="connection.pool.max.size" value="40"/>
<property name="connection.pool.provider.type"</pre>
value="IDM"/>
<property name="connection.pool.timeout" value="300000"/>
<property name="connection.pool.provider.type"</pre>
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).

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

Table 3–7 Properties

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

Example:

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

3.5.2.3 Import OBP Specific LDIF files

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

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

Note

Ensure that 'Idapadd' and 'Idapmodify' are available on the machine.

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

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

Table 3–8 Order of Execution

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.

 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.

Idapadd jpsroot.Idif

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

Idapmodify fcPerson.Idif

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

Idapadd Users.Idif

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

Idapadd Groups.Idif

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

Idapadd WebLogic.Idif

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

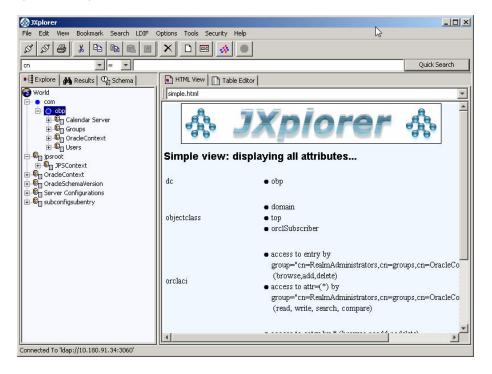
Idapadd Administrators.Idif

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

3.5.2.4 Verify the import using ODSM or JXplorer

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

Figure 3–7 JXplorer



4 Oracle Banking Platform SOA Media Pack Installation

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

4.1 Installation and Configuration Procedure

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

4.1.1 Preparatory Steps

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

Step 1 Procuring Installables

Download the appropriate SOA media pack from the following location:

http://edelivery.oracle.com/

Step 2 Extracting the Installables

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

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

Step 3 Printing Checklists

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

4.1.2 Pre-Installation Steps

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

Step 1 Updating installobpsoa.properties

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

Step 2 Checklist for a new setup

Before initiating installation, check the following:

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

Step 3 OS Level Tuning

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

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

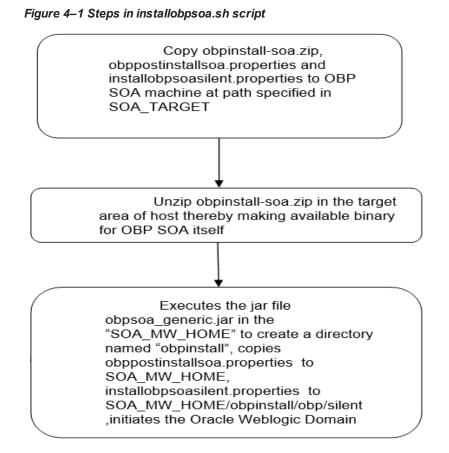
For more information, see Page 12 of the following document:

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

4.1.3 Installation Steps

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

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



A sample output is given here.

./installobpsoa.sh

Figure 4–2 Verification of Properties

[ofssobp@mum00abp soa]\$./installob	
	cratch/install/soa. It is assumed that all installables are present in this directory.
Printing the information entered ab	
SILENT_INSTALL	10.188.85.159
LOCAL_IP	
LOCAL DISPLAY_VALUE	: 0.8 : base domain
DOMAIN MANE	
	: /scratch/app/product/fmw/user_projects/domains
	: weblogic
	: weblagicl
	: PR0504_MDS
SOA_INFRASTRUCTURE_SCHEMA_USER	: PRISON SOLINITA
	: welcome1
DB_IP	: 10.190.07.64
DB_PORT	: 1521 : P0784A
DØ_SERVICE_NAME HOST_SCHEMA_USER	: P0704A : 082262
	: verzoz r welcomel
	: 10, 200, 07, 04
HOST_DB_TP HOST_DB_PORT	r 1521
	: P8784A
	10,180,85,159
ADMIN SERVER LISTEN ADDRESS	2 7001
	: 7002
	20, 180, 85, 159
SOA SERVER LISTEN PORT	: \$001
	1 8002
	10.180.05.159
HUMANTASK SERVER LISTEN PORT	9001
HUMANTASK_SERVER_SSL_LISTEN_PORT	9002
BAM SERVER LISTEN ADDRESS	10.380.85.159
BAM SERVER LISTEN PORT	2 9003
BAM SERVER SSL LISTEN PORT	2 9004
HOST_MANAGED_SERVER_LISTEN_ADDRESS	
HOST MANAGED SERVER LISTEN PORT	2 3001
LOAP PROVIDER	010
010 ÎP	10.389.87.84

Figure 4–3 Verification of Properties

OID IP	: 10.189.87.84
DID PORT	: 389
OID ADMIN USER	: cn=orcladmin
OID ADMIN PWD	: welcomel
	: cn=Groups.dc=in.dc=oracle.dc=com
	: cn+Users.dc=in.dc=oracle.dc=com
	: PRDS0A DPSS
	: welcomel
	1 10.100.87.84
	1521
	: P87843
	5556
	110.189.55.159
	: obosos clusteri
	; soa serverl
	: obpfumantask_cluster1
	cophumantask server1
	: /scratch/install/target
	: /scratch/app/product/idk1.0.0 101
	: /scratch/app/product/jdk1.8.0 101
	/scratch/app/araInventory/
	: /scratch/app/product/fms
	: 10.300.65.196
	: ofscolp
	/scrath/app/product/fmw/user_projects/domains/ui_domain
	ofsoop
	· Jan 102m - Xax2042m
	- XX:NewSize2048 -XX:MadkewSize-4096m -XX:+UseParkewSC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepSC -
XX:CMSInitiatingOccupancyFraction=75	

	MarkSweepGC -XX:CRSInitiatingOccupantyFraction-75 -Dobp.http.maxMetryCount=1 -Dobp.http.socketBufferSize=8192 -Do
he http://www.annerticorflariost=30	p.http.expireAndRetrystrue Dobp.http.maxConnectionsPerMost=150 Dobp.http.connectionTimeout=60000 Dobp.http.id
leTimeoutPollInterval=10000 -Dobp.htt	
	publication restantion research in the second s
	: VECCOM AS 196
	1980
	000000
set mare_monomenton_prometin_const	

DEFAULT TRANSACTION BRANCH CODE DEFAULT TARGET UNIT	: 899999 : 089 BU
CARD USERNAME	l orakey
CARD PASSWORD	: welcome1
RULE USERNAME	: orakey
RULE PASSWORD	: welcomel
USER TIMEZONE	: +5:30
SOA SSL PASSWORD	: welcomel
REMOTE EXECUTION	Y
BAM INSTALLATION	
DPW USERNIAME	: weblogic
IPM PASSWORD	: wologic1
FTP_IPM_USERNAME	: ofssobp
FTP IPH PASSWORD	: ofssobo123
FTP IPM BATCH USERNAME	: ofssobp
FTP_IPM_BATCH_PASSWORD	: ofssobp123
DPM HOME	: /scratch/app/product/fmw_ipm/Oracle_ECMI
IPM SERVER IP	10.160.4.143
BIP SERVER IP	: 10.150.0.143
BIP SERVER PORT	1 9502
BIP UNIX USER	t afsoda
BIP HOME	: /scratch/app/product/fmw bip/bi
Please take your time and go throu	ugh 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 4–4 Confirmation to Proceed Domain Installation (cont.)

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

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

Please take your time and go through the information printed above in detail. If the above mentioned information is correct, please enter Y or y to proceed.	Press any other key to exit the installation.	
y Installation will begin in sometime.		
Please wait while the installables are copied onto the servers.		
The authenticity of host '10.100.05.150 (10.100.05.150)' can't be established. ECD54 key fingerprint is dc:11:29:24:4c:e0:17:08:45:ad;6b:b0:b8:ac:1b:4a.		
Are you sure you want to continue connecting (yes/no)? yes		
Warning: Permanently added '30.180.85.159' (ECDSA) to the list of known hosts. ofssobg@10.180.85.159's password:		
obpinstall-soa.zip	100% 357%8 178.6%8/s 00:02	
installobpsoasilent.properties The configuration of OBP SOA domain shall begin immediately thereafter.	100% 1551 1.5KB/s 00:00	
ofssobp@10.100.85.150's password: Archive: /scratch/install/target/obpinstall-soa.zip		
inflating: /scratch/install/target/obosea generic.jar		
inflating: /scratch/install/target/installdomain.sh inflating: /scratch/install/target/installdomain_silent.sh		
inflating: /scratch/install/target/obp-soa-post-install.sh		
inflating: /scratch/install/target/obp-soa-post-install.py inflating: /scratch/install/target/update-syncMaxTimeWait.py		
inflating: /scratch/install/target/deployProcesses.py		
inflating: /scratch/install/target/bam.sh inflating: /scratch/install/target/metadataSOAUpdate.sh		
inflating: /scratch/install/target/encryptPassword.py		
inflating: /scratch/install/target/docutils-0.12.tar.gz inflating: /scratch/install/target/JPypel-0.5.7.tar.gz		
inflating: /scratch/install/target/PyYAML-3.11.tar.gz inflating: /scratch/install/target/SOAPpy-0.12.5.tar.gz		
inflating: /scratch/install/target/suds-0.4.tar.gz		
inflating: /scratch/install/target/wstools-0.4.3.tar.gz extracting: /scratch/install/target/bam.zip		
inflating: /scratch/install/target/bpel-config.xml.xml		
inflating: /scratch/install/target/Plan.xml.tmpl inflating: /scratch/install/target/BBMCommandConfig.xml.tmpl		
> /scratch/app/product/jdk1.8.0_101/bin/java -jar /scratch/install/target/ob	soa_generic.jar -silent ORACLE_HOME=/scratch/app/product/fmw/obpin	istall
INVENTORY_LOCATION=/scratch/app/oraInventory/		



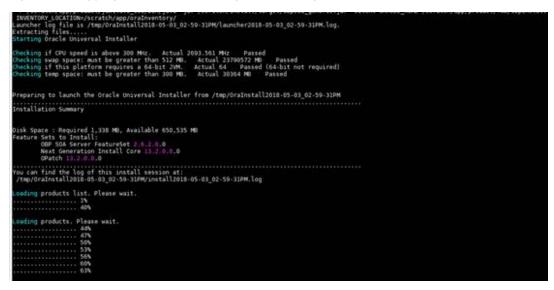


Figure 4–7 Copying and Extraction of obpinstall-soa.zip



Figure 4–8 Domain Creation Confirmation



4.2 Post Installation Configuration

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

Checklist for Post Installation Procedure

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

 Create a backup of the existing file setStartupEnv.sh, and rename setStartupEnvSOA.sh to setStartupEnv.sh Change. This file is present at <middleware home>/ user_ projects/domains/obpsoadomain/bin.

Replace /scratch/app/product/fmw path with your middleware home path.

- Node manager is not running on the SOA machine.
- All values in obppostinstallsoa.properties are correct
- OID_DOMAIN_NAME given in obppostinstallsoa.properties must not exist.
- Node manager port should be free. You can verify using the following command, where 5556 is the Node Manager Port.

\$netstat -na | grep 5556

Post Installation Configuration

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

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

- 2. Enter the username and password when prompted.
- 3. Start the managed server soa_server1.
 - cd <middleware home>
 - cd user projects/domains/obpsoadomain/bin

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

Note

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

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

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

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

\$cd <soa middleware home>

Then execute following script:

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

A sample output is given here:

Figure 4–9 Starting Post Installation

<pre>[ofssobp@mum00abp fmw]\$./obp-soa-pd</pre>	
DOMAIN_NAME	: base_domain
DOMAIN_DIRECTORY_LOCATION	: /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME	: weblogic
WEBLOGIC_PASSWORD	: weblogic1
ADMIN_SERVER_LISTEN_ADDRESS	: 10.180.85.159
ADMIN_SERVER_LISTEN_PORT	: 7001
SOA_SERVER_LISTEN_ADDRESS SOA_SERVER_LISTEN_PORT	: 10.180.85.159
BAM SERVER LISTEN ADDRESS	: 8001
BAM_SERVER_LISTEN_PORT	: 9003
HOST_MANAGED_SERVER_LISTEN_ADDRESS HOST_MANAGED_SERVER_LISTEN_PORT	: 10.180.85.195
	: 3001 : 0ID
LDAP_PROVIDER OID IP	: 010 : 10.180.87.84
OID_IP OID_PORT	: 10,100,07,04
OID ADMIN USER	: 389 : cnorcladmin
OID_ADMIN_USER	
OID_ADMIN_PWD OID_GROUP_DSN	: cn=Groups,dc=in,dc=oracle,dc=com
OID USER DSN	cn=broups,dc=in,dc=oracle,dc=com
NODE MGR PORT	: 5556
SOA IP	10.180.85.159
SOA CLUSTER NAME	: objoo clusterl
SOA SERVER NAME	soa serverl
HUMAN_TASK_CLUSTER_NAME	
HUMAN_TASK_SERVER_NAME	
SOA TARGET	/scratch/instal/taret
SOA JAVA HOME	/scratch/app/product/idk1.8.0 101
SOA MW HOME	/scratch/app/product/fmw
UI IP	10.180.85.196
UI UNIX USER	ofssobp
UI DOMAIN HOME	; /scratch/app/product/fmw/user projects/domains/ui domain
INSTALL AS	· ofssobp
SOA_ADMIN_JVM_PARAMS	- Xms1024m - Xmx2048m
SOA MANAGED JVM PARAMS	- XX:NewSize=2048m -XX:MaxNewSize=4096m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -
XX:CMSInitiatingOccupancyFraction=75	-Xms8192m -Xmx15360m
SOA HUMANTASKSERVER JVM PARAMS	: -Dibo.ampool.doampooling=false -Xms4096m -Xmx6084m -XX:NewSize=512m -XX:MaxNewSize=2048m -XX:+UseParNewGC -XX:+
	cMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Dobp.http.maxRetryCount=1 -Dobp.http.socketBufferSize=8192 -Do

Figure 4–10 Starting Post Installation (contd)

	: -Djbo.ampool.doampooling=false -Xms4096m -Xmx6084m -XX:NewSize=512m -XX:MaxNewSize=2048m -XX:+UseParNewGC -XX:+
	ncMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Dobp.http.maxRetryCount=1 -Dobp.http.socketBufferSize=8192 -Do
hn http maxConnectionsDerHost-20 -D	obp.http.expireAndRetry=true -Dobp.http.maxConnectionsPerHost=150 -Dobp.http.connectionTimeout=600000 -Dobp.http.id
leTimeoutPollInterval=10000 -Dobp.h	dopin (p.expression) ad-true - 500p. (cp.maxconnections) en 05 - 150 - 500p. (cp. connection imeduc-500000 - 500p. (cp. interior
KEYSTORE_PASSWORD	
UI MANAGED SERVER LISTEN ADDRESS	
UI MANAGED SERVER LISTEN PORT	
DEFAULT BANK CODE	
DEFAULT_TRANSACTION_BRANCH_CODE	. 089999
DEFAULT TARGET UNIT	
CARD USERNAME	: orakey
CARD PASSWORD	
RULE_USERNAME	: orakey
RULE_PASSWORD	: welcome1
USER_TIMEZONE	: +5:30
REMOTE_EXECUTION	: Y
BAM_INSTALLATION	: N
DB_SCHEMA_PASSWORD	: welcomel
DB_IP	: 10.180.87.84
DB_PORT	: 1521
DB_SERVICE_NAME	: P8784A
IPM_USERNAME	: weblogic
IPM_PASSWORD	: weblogicl
FTP_IPM_USERNAME	: ofssobp
FTP_IPM_PASSWORD	: ofssobp123
FTP_IPM_BATCH_USERNAME	: ofssobp123
	t bissobpizza h the information printed above in detail.
	is correct, please enter Y or y to proceed. Press any other key to exit the installation.
	is confect, prease enter i or y to proceed. Press any other key to exit the installation.

Figure 4–11 Starting Post Installation (contd)

Please take your time and go through the information printed above in detail. If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the V	installa	ion.		
Post-installation will begin in sometime				
The authenticity of host '10.180.6.143 (10.180.6.143)' can't be established.				
RSA key fingerprint is 36:d8:2d:c8:3f:d1:c3:4e:cd:38:f7:19:48:be:33:8c.				
Are you sure you want to continue connecting (yes/no)? yes				
Warning: Permanently added '10.180.6.143' (ŘSA) to the list of known hosts.				
ofssobp@10.180.6.143's password:				
il8nAPI_v3.jar	100%	904KB	904.4KB/s	00:00
il8nAPI_v3.jar copied from BIP machine				
ofssobp@i0.180.6.143's password:	1000	000000	0.010./-	
xdocore.jar xdocore.jar copied from BIP machine	100%	9060KB	8.9MB/s	00:00
xdocore.jar copied from Bir machine ofssobpilo.180.6.143's password:				
versioninfo, jar	100%	6204KB	6.1MB/s	00:00
versioninfo.jar copied from BIP machine	100%	020410	0.100/3	00.00
ofsobalo.180.6.143's password:				
imaging-client.jar	100%	863KB	863.3KB/s	00:00
imaging-client.jar copied from IPM machine				
ofssobp@10.180.6.143's password:				
oracle.ucm.ridc-11.1.1.jar	100%	619KB	618.9KB/s	00:00
oracle.ucm.ridc-11.1.1.jar copied from IPM machine				
base_domain				

** Setting up SOA specific environment				
EXTRA_JAVA_PROPERTIES= -da:org.apache.xmlbeans				
D LIBRARY PATH=::/scratch/app/product/fmw/wlserver/server/native/linux/x86 64:/scratch/app/product/fmw/wlserver	learvar /	ative/	linux/vee e	1/001920 9
	/361/61/1	actvey	CINGX/ X00_0	001920_8

** End SOA specific environment setup				

Logging WLS stderr to /scratch/app/product/fmw/user_projects/domains/base_domain/servers/AdminServer/stderr.log				
Verifying OBP_ORACLE_HOME /scratch/app/product/fmw/obpinstall/obp				
Buildfile: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/replace.xml				



Buildfile: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/replace.xml
replace: [unzip] Expanding: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/Metadata_soa.zip into /scratch/app/product/fmw/obpinstall/obp/o b.soa.process/metadata/metadata [unjar] Expanding: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar into /scratch/app/product/fmw/obpinstall/obp/ob soa.process/metadata/metadata/metadata/sharedResources [delete] Deleting: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar [jar] Building jip: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar [jar] Building jip: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar [jar] Building jip: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/baredResources.jar
BUILD SUCCESSFUL Total time: 10 seconds Archive: BPELRecoveryConfig.zip inflating: BPELRecoveryConfig.jar 50
<pre>Updating RecurringScheduleConfig.maxMessageRaiseSize from 50 to 0 Updating StartupScheduleConfig.maxMessageRaiseSize from 50 to 0 javax.management.openmbean.compositeDatsSupport(compositeType=javax.management.openmbean.compositeType(name=RecurringScheduleConfig.items=((itemName=m axMessageRaiseSize.itemType=javax.management.openmbean.SimpleType(name=java.lang.string)),(itemName=torttype(name=java.lang.String)),(itemName=topAtindeType(name=java.lang.String)),(itemName=topAtindeType(name=java.lang.String)),(itemName=topAtindeType(name=java.lang.String)),(itemName=topAtindeType(name=java.lang.String)),(itemName=topAtindeType(name=java.lang.String)),(itemName=topAtindeType(name=java.lang.String)),(itemName=topAtindeType(name=java.lang.String)),(itemName=topAtindeType(name=java.lang.ItemJype=javax.management.openmbean.SimpleType(name=java.lang.ItemJype=javax.management.open mbean.SimpleType(name=java.lang.Integer))),contents={maxMessageRaiseSize=0, startWindowTime=00:00, stopWindowTime=23:59, subsequentTriggerDelay=300, null</pre>
<pre>net. javax.management.openmbean.compositeDataSupport(compositeType_javax.management.openmbean.CompositeType(name=RecoveryConfig,items=((itemName=ClusterCon fig.itemType=javax.management.openmbean.compositeType(name=ClusterConfig.items=(itemName=clusterDbIneRefresh,itemType=javax.management.openmbean.Sim JeType(name=java.lang.long)),(itemName=hearBatIntervat.itemType=javax.management.openmbean.SimpleType(name=java.lang.long)),(itemName=horeRecurringStedUet and jatesType=javax.management.openmbean.SimpleType(name=java.lang.long)),(itemName=horeRecurringStedUetConfig,items=java.lang.long),)), (itemName=horeRecurringStedUetConfig,items=java.lang.long),)), (itemName=horeRecurringStedUetConfig,items] onfig.itemType=javax.management.openmbean.compositeType(name=java.lang.long)),)), (itemName=horeRecurringStedUetConfig,items] onfig.itemType=javax.management.openmbean.compositeType(name=java.lang.long))), (itemName=horeRecurringStedUetConfig,items] onfig.itemType=javax.management.openmbean.compositeType(name=java.lang.long)), (itemName=horeRecurringStedUetConfig,items] onfig.itemType=javax.management.openmbean.compositeType(name=java.lang.stringD), (itemName=horeRecurringStringD), (itemName=horeRecurringSt</pre>

Figure 4–13 SOA Post Installation Completion



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

deploy-composite-SOA-WLST.log post-obp-SOA-WLST.log post-soa-GrantAndPolicySet-log.log post-soa-taskflow-grants.log update-syncMaxTimeWait.log obp-soa-install-log.txt

5 Oracle Banking Platform Host Media Pack Installation

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

5.1 Installation and Configuration Procedure

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

5.1.1 Preparatory Steps

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

Step 1 Procuring Installables

Download the appropriate host media pack from the following location:

http://edelivery.oracle.com/

Step 2 Extracting the Installables

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

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

Step 3 Printing Checklists

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

5.1.2 Pre-Installation Steps

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

Step 1 Updating installobphost.properties

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

Step 2 Checklist for a new setup

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

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

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

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

5.1.3 Installation Steps

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

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

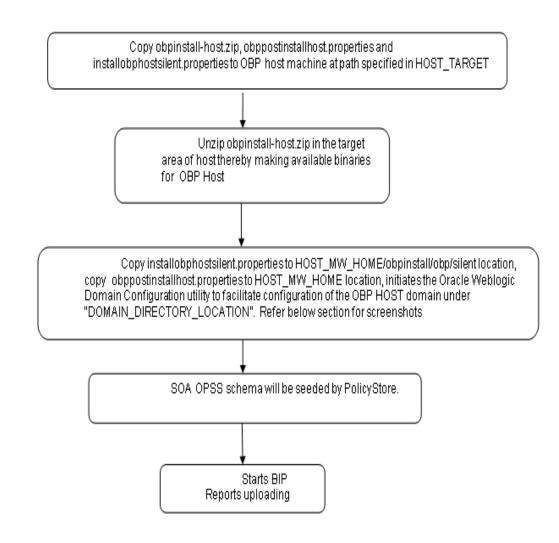


Figure 5–1 Steps in installobphost.sh script

A sample output is given here.

Figure 5–2 Verification of Properties

/ SCI attil/ Instatt/ nost	
[ofssobp@mum00adh host]\$./installo	aphost.sh
The present working directory is /so	ratch/install/host. It is assumed that all installables are present in this directory.
Printing the information:	
SILENT INSTALL	: Y
OID FARM AND POLICY SEEDING FLAG	: y : Y
BIP_REPORTS_UPLOADING_FLAG	: Y
LOCAL IP	: 10.180.85.195
LOCAL DISPLAY VALUE	: 0.0
DOMAIN NAME	: host domain
DOMAIN DIRECTORY LOCATION	: /scratch/app/product/fmw/user projects/domains
WEBLOGIC_USERNAME	: weblogic
WEBLOGIC PASSWORD	: weblogic1
ADMIN SERVER LISTEN ADDRESS	: 10.180.85.195
ADMIN_SERVER_LISTEN_PORT	: 7001
	: 7002
MANAGED_SERVER_LISTEN_ADDRESS	: 10.180.85.195
MANAGED_SERVER_LISTEN_PORT	: 8001
MANAGED_SERVER_SSL_LISTEN_PORT	: 8002
LDAP_PROVIDER	: OID
OID IP	: 10.180.87.84
0ID_ADMIN_USER	: cn=orcladmin
OID_ADMIN_PWD	: welcomel
0ID_GROUP_DSN	: cn=Groups,dc=in,dc=oracle,dc=com
0ID_USER_DSN	: cn=Users,dc=in,dc=oracle,dc=com
NODE_MGR_PORT	: 5556
HOST_SERVER_NAME	: obphost_server1
HOST_CLUSTER_NAME	: obphost_cluster1
HOST IP	: 10.180.85.195
HOST_TARGET	: /scratch/install/target
HOST_JAVA_HOME	: /scratch/app/product/jdk1.8.0_101
OUI_JAVA_HOME	: /scratch/app/product/jdk1.8.0_101
CENTRAL_INVENTORY_LOC	: /scratch/app/oraInventory
HOST_MW_HOME	: /scratch/app/product/fmw
UI_ADMIN_SERVER_LISTEN_ADDRESS	: 10.180.85.196
UI_ADMIN_SERVER_LISTEN_PORT	: 7001
UI_MANAGED_SERVER_SSL_LISTEN_PORT	: 8002
SOA_ORACLE_HOME	: \$08

Figure 5–3 Verification of Properties (contd)

SOA_ORACLE_HOME	: soa
SOA_IP	: 10.180.85.159
SOA_UNIX_USER	: ofssobp
SOA_MW_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/catal
og/root/users/weblogic	
BIP_SERVER_USER	: weblogic
BIP_SERVER_PSWD	: weblogic1
BIP_REPORT_BASE_PATH	: OBP/R262INSTALLER
BIP_DATASOURCE_NAME	: 0BP262
IPM_SERVER_IP	: 10.180.6.143
IPM_SERVER_PORT	: 16000
IPM_UNIX_USER	: ofssobp
IPM_HOME	: /scratch/app/product/fmw_ipm/0racle_ECM1
OFSAA_SERVER_IP	: ofsaa-ofss.com
OFSAA_SERVER_PORT	: 17000
0AAM_SERVER_IP	: oaam-ofss.com
0AAM_SERVER_PORT	: 14000
0IM_SERVER_IP	: oim-ofss.com
OIM_SERVER_PORT	: 16000
DOCUMAKER_SERVER_IP	: documaker-ofss.com
DOCUMAKER_SERVER_PORT	: 15000
OBP_HOST_DB_USER	: 0BP262
OBP_HOST_DB_PASSWORD	: welcome1
OBP_HOST_DB_IP	: 10.180.87.84

Figure 5-4 Verification of Properties (contd)

OBP_HOST_OB_IP	1 10.180.87.84
OBP_HOST_OB_PORT	r 1521
OBP_HOST_DB_SERVICE_NAME	: P8784A
MDS_HOST_DB_USER	E PROHOST_MDS
MDS_HOST_DB_PASSWORD	: welcomei
MDS_HOST_DB_IP	: 10/100/07/04
MDS_HOST_DB_PORT	1 1521
MD5_HOST_DB_SERVICE_NAME	: P8784A
HOST_ADHIN_JVM_PARAMS	: xms1024m -Xmx4006m
HOST_MANAGED_JVM_PARAMS	: -Xms4096m -Xmx8162m -XX:NewSize=2048m -XX:MaxNewSize=4096m -XX:+UseParNew6C -XX:+CMSParallelRemarkEnabled -XX:+U
seConcMarkSweepGC -XX:CMSInitiating	gDccupancyFraction/75
EPH OUTBOUND USERNAME	: weblogsc
IPM_OUTBOUND_PASSWORD	: weblogic1
BIP_OUTBOUND_USERNAME	t weblogic
B1P_OUTBOUND_PASSWORD	1 weblogic1
001_OUTBOUND_USERNAME	; weblagic
OD 1_OUTBOUND_PASSWORD	: weblogscl
DIM OUTBOUND USEFWAME	z weblogic
OIM OUTBOUND PASSWORD	: weblogscl
WCM OUTBOUND USERNAME	: weblogic
WCH_OUTBOUND_PASSWORD	t weblogic]
OFFLINE_CHANNEL_OUTBOUND_USERNAME	t offlineuser
OFFLINE CHANNEL OUTBOUND PASSWORD	: welcome1
SAM. ISSUER OUTBOUND USERNAME	: weblogic
SAME ISSUER OUTBOUND PASSWORD	: weblogicl
RPEL ENCRYPTION OUTBOUND USERNAME	s weblogs:
BPEL ENCRYPTION OUTBOUND PASSWORD	: weblagscl
FTP_TPM_OUTBOUND_USERNAME	t weblogs:
FTP IPH OUTBOUND PASSWORD	t weblogic1
B1P USA OUTBOUND USERNAME	r weblogic
BIP USR OUTBOUND PASSWORD	: weblogicl
SOA PURGING OUTBOUND USERNAME	: weblogsc
SOA PURGING OUTBOUND PASSWORD	: weblogic1
SOA OUTBOUND USERMAME	: weblogic
SOA OUTBOUND PASSWORD	: weblogic)
ATHUSER OUTBOUND USERNAME	ATMUSEr
ATHUSER OUTBOUND PASSWORD	: welcome1
POSUSER OUTBOUND USERNAME	POSUser

Figure 5–5 Verification of Properties (contd)

POSUSER OUTBOUND USERNAME	: POSUser
POSUSER_OUTBOUND_PASSWORD	: welcome1
DMSHOST OUTBOUND USERNAME	: weblogic
DMSHOST_OUTBOUND_PASSWORD	: weblogic1
DMSUI OUTBOUND USERNAME	: weblogic
DMSUI OUTBOUND PASSWORD	
OCH_OUTBOUND_USERNAME	: weblogic
OCH_OUTBOUND_PASSWORD	: weblogicl
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	: welcomel
BAM_USERNAME	: weblogic
BAM_PASSWORD	: weblogic1
USER_TIMEZONE	: +5:30
HOST_SSL_PASSWORD	: welcomel
REMOTE_EXECUTION	: Y
SECURITY_ENABLED	: Y
Plassa take your time and so throw	whether information printed phase in datail
	ygh the information printed above in detail.) is correct, please enter Y or y to proceed. Press any other key to exit the installation.
	The confect, prease enter i of y to proceed. Press any other key to exit the installation.

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

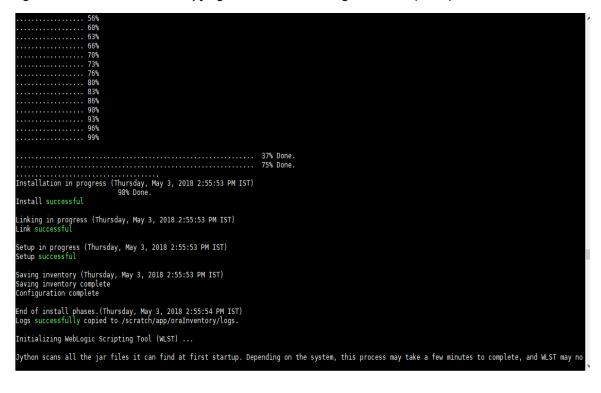
utility performs the installation and domain is created silently.

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

Please lake your lime and go inrough 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 th	e installa	tion.	
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		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.tmpl			
inflating: /scratch/install/target/updateSystemDetails.sql.tmpl			
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/SÓAPpy-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=/scr	atch/app/product/f	w/obpinstal
,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,		

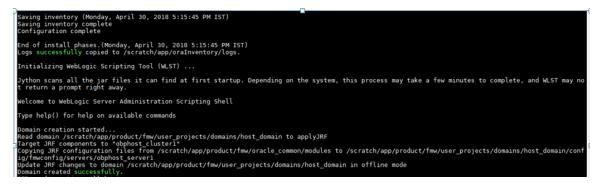
Figure 5–7 Confirmation and Copying of Installables to Target Machine (contd)

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



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

Figure 5–9 Domain Installation Confirmation



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

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

bollati eredeed baccebbracell	
OID configuration will begin now	
ofsobp@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/addMatrixbasedPolicis.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	Ť.
our state of the second state of the state o	
PolicyStoreSetup/lib12212/javax.persistence.jar	
PolicyStoreSetup/lib12212/jps-api.jar	
PolicyStoreSetup/lib12212/identitystore.jar	
PolicyStoreSetup/lib12212/javax.faces.jsf-api.jar	
PolicyStoreSetup/lib12212/identitydirectory.jar	
PolicyStoreSetup/lib12212/jps-wls.jar	
PolicyStoreSetup/lib12212/adf-share-security.jar	
PolicyStoreSetup/lib12212/javax.security.jacc.jar	
PolicyStoreSetup/lib12212/identityutils.jar	
PolicyStoreSetup/lib12212/adf-controller-security.jar	
PolicyStoreSetup/lib12212/ojdl.jar	
PolicyStoreSetup/lib12212/osdt xmlsec.jar	
PolicyStoreSetup/lib12212/org.openliberty.openaz.azapi_1.1.jar	
PolicyStoreSetup/lib12212/osdt wss.jar	
PolicyStoreSetup/lib12212/osdt_wss.jar PolicyStoreSetup/lib12212/ips-wls-trustprovider.jar	
PolicyStoreSetup/lib12212/jps-wls-trustprovider.jar	
PolicyStoreSetup/lib12212/jps-wls-trustprovider.jar PolicyStoreSetup/lib12212/jps-se.jar	
PolicyStoreSetup/lib12212/jps-wls-trustprovider.jar PolicyStoreSetup/lib12212/jps-se.jar PolicyStoreSetup/lib12212/jps-az-rt.jar	
PolicýStoreSetup/lib12212/jps-wls-trustprovider.jar PolicyStoreSetup/lib12212/jps-se.jar PolicyStoreSetup/lib12212/jps-az-rt.jar PolicyStoreSetup/lib12212/jps-patching.jar	
PolicýStoreSetup/lib1221/jps-ŵls-trustprovider.jar PolicýStoreSetup/lib12212/jps-az-rt.jar PolicýStoreSetup/lib12212/jps-az-rt.jar PolicýStoreSetup/lib12212/jps-patching.jar PolicýStoreSetup/lib12212/jps-common.jar	
PolicyStoreSetup/lib12212/jps-wls-trustprovider.jar PolicyStoreSetup/lib12212/jps-we.jar PolicyStoreSetup/lib12212/jps-az-tt.jar PolicyStoreSetup/lib12212/jps-patching.jar PolicyStoreSetup/lib12212/jps-platform.jar	
PolicýStoreSetup/lib1221/jps-ŵls-trustprovider.jar PolicýStoreSetup/lib12212/jps-se.jar PolicýStoreSetup/lib12212/jps-az-rt.jar PolicýStoreSetup/lib12212/jps-patching.jar PolicýStoreSetup/lib12212/jps-common.jar PolicýStoreSetup/lib12212/jps-platform.jar PolicýStoreSetup/lib12212/jps-platform.jar	
PolicyStoreSetup/lib12212/jps-wls-trustprovider.jar PolicyStoreSetup/lib12212/jps-az-tr.jar PolicyStoreSetup/lib12212/jps-az-tt.jar PolicyStoreSetup/lib12212/jps-patching.jar PolicyStoreSetup/lib12212/jps-common.jar PolicyStoreSetup/lib12212/jps-platform.jar PolicyStoreSetup/lib12212/sodt_cert.jar	
PolicyStoreSetup/lib1221/jps-wls-trustprovider.jar PolicyStoreSetup/lib1221/jps-se.jar PolicyStoreSetup/lib12212/jps-ae.rt.jar PolicyStoreSetup/lib12212/jps-common.jar PolicyStoreSetup/lib12212/jps-clatform.jar PolicyStoreSetup/lib12212/jps-platform.jar PolicyStoreSetup/lib12212/set_saml.jar PolicyStoreSetup/lib12212/sdt_saml.jar PolicyStoreSetup/lib12212/sdt_saml.jar	
PolicyStoreSetup/lib12212/jps-wls-trustprovider.jar PolicyStoreSetup/lib12212/jps-ac.trustprovider.jar PolicyStoreSetup/lib12212/jps-az-rt.jar PolicyStoreSetup/lib12212/jps-acthing.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/lib1221/jps-wls-trustprovider.jar PolicyStoreSetup/lib1221/jps-se.jar PolicyStoreSetup/lib12212/jps-az.rt.jar PolicyStoreSetup/lib12212/jps-common.jar PolicyStoreSetup/lib12212/jps-clatform.jar PolicyStoreSetup/lib12212/jps-platform.jar PolicyStoreSetup/lib12212/osdt_saml.jar PolicyStoreSetup/lib12212/osdt_saml.jar PolicyStoreSetup/lib12212/jps-mpe.jar PolicyStoreSetup/lib12212/jps-mpe.jar PolicyStoreSetup/lib12212/jps-mpe.jar	
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PolicyStoreSetup/lib1221/jps-wls-trustprovider.jar PolicyStoreSetup/lib1221/jps-se.jar PolicyStoreSetup/lib12212/jps-az.rt.jar PolicyStoreSetup/lib12212/jps-common.jar PolicyStoreSetup/lib12212/jps-clatform.jar PolicyStoreSetup/lib12212/jps-platform.jar PolicyStoreSetup/lib12212/osdt_saml.jar PolicyStoreSetup/lib12212/osdt_saml.jar PolicyStoreSetup/lib12212/jps-mpe.jar PolicyStoreSetup/lib12212/jps-mpe.jar PolicyStoreSetup/lib12212/jps-mpe.jar	
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PolicyStoreSetup/lib1221/jps-wls-trustprovider.jar PolicyStoreSetup/lib1221/jps-we.jar PolicyStoreSetup/lib1221/jps-az.rt.jar PolicyStoreSetup/lib1221/jps-patching.jar PolicyStoreSetup/lib12212/jps-common.jar PolicyStoreSetup/lib12212/jps-common.jar PolicyStoreSetup/lib12212/josdt_saml.jar PolicyStoreSetup/lib12212/josdt_saml.jar PolicyStoreSetup/lib12212/jps-meansfest.jar PolicyStoreSetup/lib12212/jps-meansfest.jar PolicyStoreSetup/lib12212/jps-meansfest.jar PolicyStoreSetup/lib12212/jps-az.management.jar PolicyStoreSetup/lib12212/jps-az.management.jar PolicyStoreSetup/lib12212/jps.jar	
PolicyStoreSetup/lib1221/jps-wls-trustprovider.jar PolicyStoreSetup/lib1221/jps-we.jar PolicyStoreSetup/lib1221/jps-ac.rt.jar PolicyStoreSetup/lib1221/jps-patching.jar PolicyStoreSetup/lib12212/jps-common.jar PolicyStoreSetup/lib12212/jps-common.jar PolicyStoreSetup/lib12212/jps-detform.jar PolicyStoreSetup/lib12212/jps-ments PolicyStoreSetup/lib12212/jps-ments PolicyStoreSetup/lib12212/jps-mentset.jar PolicyStoreSetup/lib12212/jps-mentset.jar PolicyStoreSetup/lib12212/jps-mentset.jar PolicyStoreSetup/lib12212/jps-mentset.jar PolicyStoreSetup/lib12212/jps-ac-management.jar PolicyStoreSetup/lib12212/jps-ac-management.jar PolicyStoreSetup/lib12212/jps.jps.jar	
PolicyStoreSetup/lib1221/jps-wls-trustprovider.jar PolicyStoreSetup/lib12212/jps-ac.rt.jar PolicyStoreSetup/lib12212/jps-az.rt.jar PolicyStoreSetup/lib12212/jps-common.jar DolicyStoreSetup/lib12212/jps-platform.jar DolicyStoreSetup/lib12212/jps-platform.jar PolicyStoreSetup/lib12212/jps-platform.jar PolicyStoreSetup/lib12212/jps-platform.jar PolicyStoreSetup/lib12212/jps-platform.jar PolicyStoreSetup/lib12212/jps-platform.jar PolicyStoreSetup/lib12212/jps-manifest.jar PolicyStoreSetup/lib12212/jps-manifest.jar PolicyStoreSetup/lib12212/jps-manifest.jar PolicyStoreSetup/lib12212/jps-az.management.jar PolicyStoreSetup/lib12212/jps-az.management.jar	

	1000	0055	0.01/0./	
adf-controller-security.jar jps-ee.jar	100%	2255 70KB	2.2KB/s 78.5KB/s	00:00 00:00
ojdl.jar	100%		332.4KB/s	00:00
org.openliberty.openaz.azapi_1.1.jar	100%		52.2KB/s	00:00
identitystore.jar	100%		471.3KB/s	00:00
identitýdirectory.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%		22.0KB/s	00:00
jps-sidm-api.jar		4326	4.2KB/s	00:00
jps-common.jar		1519KB		00:00
dms.jar		2253KB		00:00
jps-internal.jar		6636KB		00:00
osdt_saml2.jar	100%		280.9KB/s	00:00
identityutils.jar	100%		210.8KB/s	00:00
javax.faces.jsf-api.jar	100%		355.3KB/s	00:00
eclipselink.jar		8865KB		00:00
jps-az-common.jar	100%	407KB 1148	407.0KB/s	00:00
fmw_audit.jar osdt wss.jar	100%		1.1KB/s 186.4KB/s	00:00 00:00
osdi wsis, jar	100%		240.8KB/s	00:00
jps-az-management.jar	100%		314.4KB/s	00:00
oraclepki.jar	100%		295.4KB/s	00:00
ojdbc6dms.jar		4325KB		00:00
UIComponentsDiagnosticHelper.sh		167	0.2KB/s	00:00
README UPGRADE.txt		5060	4.9KB/s	00:00
jps-config.xml(db)		4324	4.2KB/s	00:00
jps-config.xml		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		1427	1.4KB/s	00:00
ofss-oid-silent-seedOIDDomain.py		5013	4.9KB/s	00:00
createDummyDomainAndStartSeedingOID.sh		828	0.8KB/s	00:00
oid-configure-silent.properties		352	0.3KB/s	00:00
ofss-oid-silent-createOIDDomain.py	100%	2533	2.5KB/s	00:00

Figure 5–11 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
jmsoriginationmodule-jms.xml	100% 2247	2.2KB/s	00:00
jmsasyncauditmodule-jms.xml	100% 1630	1.6KB/s	00:00
jmspricinganalysismodule-jms.xml	100% 1676	1.6KB/s	00:00
jmsodimodule-jms.xml	100% 1567	1.5KB/s	00:00
jmsanalyticsmodule-jms.xml	100% 2032	2.0KB/s	00:00
jmsreportmodule-jms.xml	100% 1628	1.6KB/s	00:00
jmsworkflowmodule-jms.xml	100% 2217	2.2KB/s	00:00
readme.txt	100% 133	0.1KB/s	00:00
jmsdomainpublishmodule-jms.xml	100% 1579	1.5KB/s	00:00
jmspartymodule-jms.xml	100% 1961	1.9KB/s	00:00
jmspaymentmodule-jms.xml	100% 2433	2.4KB/s	00:00
jmsbatchmodule-jms.xml	100% 4768	4.7KB/s	00:00
jmscasamodule-jms.xml	100% 1664	1.6KB/s	00:00
jmsrulemodule-jms.xml	100% 1664	1.6KB/s	00:00
jmscollectionmodule-jms.xml	100% 1509	1.5KB/s	00:00
jmsaccountingmodule-jms.xml	100% 5343	5.2KB/s	00:00
jmsdocumentoutboundModule-jms.xml	100% 1706	1.7KB/s	00:00
installobphostsilent.properties	100% 1317	1.3KB/s	00:00
Connection to 10.180.85.195 closed.			
ofssobp@10.180.85.195's password:			
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/createDummyDomainAndStartSeedingO	ID.sh to Unix forma	t	
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/ofss-oid-silent-create0IDDomain.p	y to Unix format		
<pre>dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/ofss-oid-silent-seedOIDDomain.py</pre>	to Unix format		
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/oid-configure-silent.properties t	o 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)			
V			

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



```
Application Policy=OBP with policy domain =OBP will be created.
Do you want to continue?(y/n)
No of resources populated = 14080
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 5:27:24 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
File = /UtilityConfig/FactoryShippedAccessPolicyRules-4.csv, Policies to be added=1101
File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies to be added=9203
File = /UtilityConfig/FactoryShippedAccessPolicyRules-6.csv, Policies to be added=3331
File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies to be added=4223
End Time : Apr 30, 2018 5:30:17 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-4.csv, Policies added=1070, Duplicate policies=0, time taken
 =233
```

Figure 5–14 Policy Seeding (contd)

File = /UtilityConfig/FactoryShippedAccessPolicyRules-1.csv, Policies to be added=600 Start Time : Apr 30, 2018 5:27:09 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv 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= 116File = /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= 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 File = /UtilityConfig/FactoryShippedAccessPolicyRules-4.csv, Policies to be added=1101 File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies to be added=9203 File = /UtilityConfig/FactoryShippedAccessPolicyRules-6.csv, Policies to be added=3331 File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies to be added=4223 End Time : Apr 30, 2018 5:30:17 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-4.csv, Policies added=1070, Duplicate policies=0, time taken: =233 File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies added=1287, duplicate policies=221 File = /UtilityConfig/FactoryShippedAccessPolicyRules-6.csv, Policies added=1429, duplicate policies=65 File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies added=1486, duplicate policies=57 End Time : Apr 30, 2018 5:35:56 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-6.csv, Policies added=3263, Duplicate policies=65, time take n=542 File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies added=3609, duplicate policies=221 File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies added=3747, duplicate policies=150 End Time : Apr 30, 2018 5:37:46 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv, Policies added=4058, Duplicate policies=165, time tak en=636 File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies added=7077, duplicate policies=222 End Time : Apr 30, 2018 5:44:22 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-5.csv, Policies added=8981, Duplicate policies=222, time tak en=1063

Figure 5–15 BIP Reports Upload

BIP Reports are being uploaded now				
ofssobp@10.180.6.143's password:				
Warning: untrusted X11 forwarding setup failed: xauth key data not generated				
ofssobp@10.180.85.195's password:				
ofssobp@10.180.6.143's password:				
TDS001.xdoz	100%	13KB	12.8KB/s	00:00
TDS001.rtf	100%	55KB	54.7KB/s	00:00
TDS001.xdmz	100%	2168	2.1KB/s	00:00
CSWHTX00001.xdmz	100%	2249	2.2KB/s	00:00
CSWHTX00001.xdoz	100%	13KB	12.8KB/s	00:00
CSWHTX00001.rtf	100%	64KB	64.0KB/s	00:00
PL001.rtf	100%	426KB	425.5KB/s	00:00
PL001.xsl	100%	120KB	120.2KB/s	00:00
PL001.xdoz	100%	11KB	11.5KB/s	00:00
PL001.xdmz	100%	2950	2.9KB/s	00:00
PL004.rtf	100%	318KB	318.5KB/s	00:00
PL004VD.xsl	100%	98KB	98.5KB/s	00:00
PL004VD . xdoz	100%	30KB	30.0KB/s	00:00
PL004VD.xdmz	100%	2569	2.5KB/s	00:00
PL003.rtf	100%	304KB	304.1KB/s	00:00
PL003.xdoz	100%	33KB	33.2KB/s	00:00
PL003.xsl	100%	83KB	83.4KB/s	00:00
PL003.xdmz	100%	2425	2.4KB/s	00:00
PL008.xsl	100%	82KB	82.1KB/s	00:00
PL008.xdmz	100%	2688	2.6KB/s	00:00
PL008.xdoz	100%	25KB	24.9KB/s	00:00
PL008.rtf	100%	264KB	264.3KB/s	00:00
PL009.xsl	100%		65.9KB/s	00:00
PL009.xdmz	100%	2421	2.4KB/s	00:00
PL009.rtf	100%	280KB	280.2KB/s	00:00
PL009.xdoz	100%	28KB	28.2KB/s	00:00
PL011.xsl	100%	75KB	75.1KB/s	00:00
PL011.xdmz	100%	2077	2.0KB/s	00:00
PL011.rtf	100%	304KB	304.3KB/s	00:00
PL011.xdoz	100%	30KB	29.9KB/s	00:00

Figure 5–16 BIF	PReports	Upload	(contd)
-----------------	----------	--------	---------

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

```
Figure 5–17 BIP Reports Upload (contd)
```

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

5.1.4 Front End Processing Interface (FEPI) Installation Steps

Following are the basic steps for FEPI installation procedure:

Step 1 Installation

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

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

Table 5–1 Properties

Property	Description	Example
BANK_CODE	Indicates the bank code	BANK_CODE=335

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

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

Step 2 ATM and POS Trace logs

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

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

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

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

Step 4 Multiple Instances

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

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

Table 5–2 Examples of files

5.2 Post Installation Configuration

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

Checklist for Post Installation Procedure

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

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

For more information, see Section 9.5 HOST DB Schema Seeding and Section 9.6 System Configuration DB Update Script Execution

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

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

commit;

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

\$netstat -na | grep 5556

Post Installation Configuration

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

```
cd <middleware home>
```

```
cd user_projects/domains/obphostdomai/bin
```

- ./startWebLogic.sh
- 2. Enter the username and password to ensure that the WebLogic server starts.

Figure 5–18 Host Domain Admin Server Credentials

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

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

Note

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

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

./obp-host-post-install.sh

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

Note

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

[ofssobp@mum00adh fmw]\$./obp-host-	
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	: 010
OID ĪP	: 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	; S0a
SOA UNIX USER	: ofssobp
SOA MW HOME	: /scratch/app/product/fmw
SOA MANAGED SERVER LISTEN ADDRESS	
SOA MANAGED SERVER LISTEN PORT	: 8001
SOA WEBLOGIC USERNAME	: weblogic
SOA WEBLOGIC PASSWORD	: weblogic1
UI ĪP –	: 10.180.85.196
UI UNIX USER	: ofssobp
UI_DOMAIN_HOME	: /scratch/app/product/fmw/user projects/domains/ui domain
INSTALL_AS	: ofssobp
BIP_UNIX_USER	: ofssobp
BIP_HOME	: /scratch/app/product/fmw_bip/bi
BIP_SERVER_IP	: 10.180.6.143
BIP_SERVER_PORT	: 9502

Figure 5–19 Host Domain Post Installation Script Execution

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	: welcomel
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
0IM_OUTBOUND_USERNAME	: weblogic
OIM_OUTBOUND_PASSWORD	: weblogic1
WCM_OUTBOUND_USERNAME	: weblogic
WCM_OUTBOUND_PASSWORD	: weblogic1
OFFLINE_CHANNEL_OUTBOUND_USERNAME	: offlineuser
OFFLINE_CHANNEL_OUTBOUND_PASSWORD	: welcomel
SAML_ISSUER_OUTBOUND_USERNAME	: weblogic
SAML_ISSUER_OUTBOUND_PASSWORD	: weblogic1
BPEL_ENCRYPTION_OUTBOUND_USERNAME	: weblogic
BPEL_ENCRYPTION_OUTBOUND_PASSWORD	: weblogic1
FTP_IPM_OUTBOUND_USERNAME	: weblogic
FTP_IPM_OUTBOUND_PASSWORD	: weblogic1
BIP_USR_OUTBOUND_USERNAME	: weblogic

Figure 5–20 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 thro	ugh the information printed above in detail.
It the above mentioned informatio	n is correct, please enter Y or y to proceed. Press any other key to exit the installation.
V	

Figure 5–21 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 installa	tion.		
y Dath installation will be in the section				
Post-installation will begin in sometime				
ofssobp@10.180.85.159's password:		1.010		
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:				
il8nAPI_v3.jar	100%	904KB	904.4KB/s	00:00
il8nAPI v3.jar copied from BIP machine				
ofssobp@10.180.6.143's password:				
xdocore.jar	100%	9060KB	8.9MB/s	00:00
xdocore.jar copied from BIP machine				
ofssobp@10.180.6.143's password:				
versioninfo.jar	100%	6204KB	6.1MB/s	00:00
versioninfo.jar copied from BIP machine			012.10/0	
ofssobp@10.180.6.143's password:				
imaging-client.jar	100%	863KB	863.3KB/s	00:00
imaging-client.jar copied from IPM machine	1000	000110	0001010/0	00100
ofssobp@10.180.6.143's password:				
oracle.ucm.ridc-11.1.1.jar	100%	610KR	618.9KB/s	00:00
oracle.ucm.ridc-11.1.1.jar copied from IPM machine	1008	OTOND	0101010/0	00100
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				
0000 Stilling as jube of Bele Lillingto 100.07.04.1321.F0/048				

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

Figure 5–23 Host Domain Post Installation Script Execution Summary

<pre>/APP-INF/lib/com.ofss.fc.enumeration.communications.jar/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss. fc.wsdl.external.recovery.jar/scratch/app/product/fmw/obpinstall/obp/ob.st.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.usdl.client.recovery. jar/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.usdl.client.recovery. jar/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.usdl.client.recovery. fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.ipp/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.usdl.client.coll/APP-INF/lib/com.ofss.fc.usdl.client.coll/APP-INF/lib/com.ofss.fc.usdl.client.coll/APP-INF/lib/com.ofss.fc.usdl.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.addm.app/product/fmw/obpinstall/obp/product/fmw/obpinstall/obp/product/fmw/obpinstall/obp/product/fmw/obpins</pre>
Java HotSpot(TM) 64-Bit Server VM warning: ignoring option MaxPermSize=512H; support was removed in 8.0
System property [org.owasp.esapi.opsteam] is not set Attempting to load ESAPI.properties via file 1/0. System property [org.owasp.esapi.devteam] is not set
Attempting to load ESAPI.properties as resource file via file 1/0. Not found in 'org.owasp.esapi.resources' directory or file not readable: /scratch/app/product/fmw/user_projects/domains/host_domain/ESAPI.properties Found in SystemBesource Directory/resourceDirectory: /scratch/app/product/fmw/objinstall/obj.cnifig/.esapi/ESAPI.properties Loaded 'ESAPI.properties' properties file SecurityConfiguration for Validation.configurationFile.MultiValued not found in ESAPI.properties. Using default: false Attempting to load validation.properties as resource file via file I/0. Attempting to load validation.properties as resource file via file I/0. Not found in 'org.owasp.esapi.resources' directory or file not readable: /scratch/app/product/fmw/user_projects/domains/host_domain/validation.propert
ies Found in SystemResource Directory/resourceDirectory: /scratch/app/product/fme/obpinstall/obp/config/.esapi/validation.properties Loaded 'validation.properties' properties file Server: Could not initialize class com.ofss.fc.infra.das.orm.DataAccessManager Mule Utility executed successfully. Refer DBP host log for details Press any kay to continue [ofssobg@mum00adh fmw]s ∰

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

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

within the following xml tag:

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

add:

```
<log_handler name='el-handler' level='TRACE:32'
```

class='oracle.core.ojdl.logging.ODLHandlerFactory'>

```
<property name='path' value='${fc.log.dir}/logs/eclipselink.log' />
```

```
<property name='maxFileSize' value='10485760' />
```

<property name='maxLogSize' value='104857600' />

<property name='encoding' value='UTF-8' />

<property name='useThreadName' value='true' />

<property name='supplementalAttributes'</pre>

value='J2EE_APP.name,J2EE_MODULE.name,WEBSERVICE.name,WEBSERVICE_ PORT.name,composite_instance_id,component_instance_id,composite_ name,component name' />

</log handler>

9. Within the following xml tag:

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

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

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

6 Oracle Banking Platform Presentation Media Pack Installation

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

6.1 Installation and Configuration Procedure

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

6.1.1 Preparatory Steps

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

Step 1 Procuring Installables

Download the appropriate presentation media pack from the following location:

http://edelivery.oracle.com/

Step 2 Extracting the Installables

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

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

Step 3 Printing Checklists

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

6.1.2 Pre-Installation Steps

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

Step 1 Updating installobpui.properties

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

Step 2 Checklist for a new setup

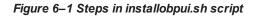
Before initiating installation on a completely new setup, check the following:

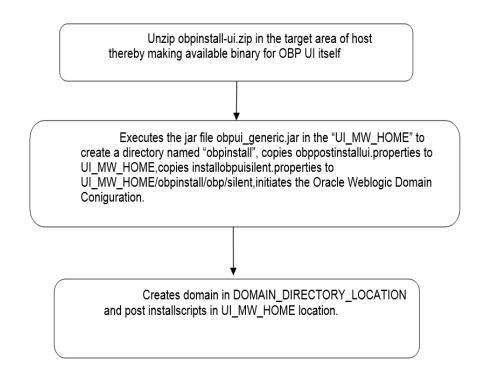
- Please make sure required RCU schemas have been created. For more information, see Section 9.1 Pre-Installation Steps and Section 9.2 Oracle Banking Platform Database Setup – RCU Installation.
- Node manager must not be running on the target machine.
- Create a dummy folder named as Target and mention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

6.1.3 Installation Steps

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

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





A sample output is given here.

The present working directory is /scratch/install/ui. It is assumed that all installables are present in this directory. Printing the installation details:- UCAL_IP I 10.180.85.198 LOCAL_DISPLAY YALUE I 0.8 UCAL_DISPLAY YALUE I I 0.8 UCAL_DISPLAY YALUE I I 0.8 UCAL_DISPLAY YALUE I I I 0.8 UCAL_DISPLAY YALUE I I I I I I I I I I I I I I I I I I I	[ofssobp@mum00adi ui]\$./installobp	ui.sh
Printing the installation details:- y SILENT_INSTALL ; y LOCAL_TP : 10.180.85.196 LOCAL_DSPLAY_VALUE : 0.0 DOMAIN_NAME : ui_domain DOMAIN_NAME : ui_domain DOMAIN_NAME : weblogic MERLOGIC_USERNAME : weblogic MES_SCHEMA_PASSWORD : weblogic MES_SCHEMA_PASSWORD : weblogic MOS_DB_P : 10.180.87.84 MOS_DB_PORT : ISI1 MOS_DS_ERVICE_NAME : P878AA MOS_DS_ERVICE_NAME : P	The present working directory is /se	cratch/install/ui. It is assumed that all installables are present in this directory.
SILENT INSTALL : y LOCAL_TP : 0.100.85.196 LOCAL_TP : 0.0 DOMAIN_NAME : ui_domain DOMAIN_DIRECTORY_LOCATION : /scratch/app/product/fm/user_projects/domains KEBLOGI_USENNAME : weblogic MESULOGI_VSENNAME : weblogic MESUGOT_USENNAME : weblogic MS_SCHEM_JSEN : PRDUT_MOS NOS_SCHEM_JSEN : PRDUT_MOS NOS_DB_P : 0.100.87.84 MS_DB_PORT : 1521 MS_DB_SENVICE_NAME : PP202 HOST_SCHEM_JSENNARD : welcome1 HOST_DB_PORT : 1521 HOST_SON_SONED : welcome1 HOST_DB_SENVICE_NAME : PRDS4A HOST_SON_SON_SONE : welcome1 OPSS_SON_SONE_SON_SONES : welcome1 OPSS_SON_SONE_SONE_SON_SONES : welcome1 OPSS_SON_DB_PORT : S21 <		
HOST_DB_SERVICE_NAME : P8784A OPSS_SOA_SCHEMA_USER : PROSOA_OPSS OPSS_SOA_SCHEMA_PASSWORD : welcomel OPSS_SOA_DB_IP : 10.180.87.84 OPSS_SOA_DB_PORT : 1521 OPSS_SOA_DB_SERVICE_NAME : P8784A ADMIN_SERVER_LISTEN_ADDRESS : 10.180.85.196 ADMIN_SERVER_LISTEN_PORT : 7001 ADMIN_SERVER_SSL_LISTEN_PORT : 7002 MMANGED_SERVER_LISTEN_PORT : 8001 MANAGED_SERVER_LISTEN_PORT : 8001 MANAGED_SERVER_SSL_LISTEN_PORT : 8002 LDAP_PROVIDER : 0ID 0ID_PORT : 389 0ID_ADMIN_USER : cn=orcladmin	SILENT INSTALL	: V
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ADMIN_SERVER_ISTEN_PORT : 7001 ADMIN_SERVER_SSL_LISTEN_PORT : 7002 MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.196 MANAGED_SERVER_ISTEN_PORT : 8001 MANAGED_SERVER_SSL_LIŠTEN_PORT : 8002 LDAP_PROVIDER : 0ID 0ID_IP : 10.180.87.84 0ID_PORT : 389 0ID_ADMIN_USER : cn=orcladmin	OPSS_SOA_DB_PORT	: 1521
ADMIN_SERVER_ISTEN_PORT : 7001 ADMIN_SERVER_SSL_LISTEN_PORT : 7002 MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.196 MANAGED_SERVER_ISTEN_PORT : 8001 MANAGED_SERVER_SSL_LIŠTEN_PORT : 8002 LDAP_PROVIDER : 0ID 0ID_IP : 10.180.87.84 0ID_PORT : 389 0ID_ADMIN_USER : cn=orcladmin	OPSS_SOA_DB_SERVICE_NAME	: P8784A
ADMIN_SERVER_ISTEN_PORT : 7001 ADMIN_SERVER_SSL_LISTEN_PORT : 7002 MANAGED_SERVER_LISTEN_ADDRESS : 10.180.85.196 MANAGED_SERVER_ISTEN_PORT : 8001 MANAGED_SERVER_SSL_LIŠTEN_PORT : 8002 LDAP_PROVIDER : 0ID 0ID_IP : 10.180.87.84 0ID_PORT : 389 0ID_ADMIN_USER : cn=orcladmin	ADMIN_SERVER_LISTEN_ADDRESS	: 10.180.85.196
MANAGËD_SERVËR_LIJSTEN_ADDRESS : 10.180.85.196 MANAGED_SERVER_LIJSTEN_PORT : 8001 MANAGED_SERVER_SSL_LIJTEN_PORT : 8002 LDAP_PROVIDER : 0ID OID_IP : 10.180.87.84 OID_PORT : 389 OID_ADMIN_USER : cn=orcladmin	ADMIN_SERVER_LISTEN_PORT	: 7001
MANAGED_SERVER_LISTEN_PORT : 8001 MANAGED_SERVER_SSL_LISTEN_PORT : 8002 LDAP_PROVIDER : 0ID OID_IP : 10.180.87.84 OID_PORT : 389 OID_ADMIN_USER : cn=orcladmin	ADMIN_SERVER_SSL_LISTEN_PORT	: 7002
MANAGED_SERVER_SSL_LISTEN_PORT : 8002 LDAP_PROVIDER : OID OID_IP : 10.180.87.84 OID_PORT : 389 OID_ADMIN_USER : cn=orcladmin	MANAGED_SERVER_LISTEN_ADDRESS	
LDAP_PRÖVIDER : 0ID 0ID_IP : 10.180.87.84 0ID_PORT : 389 0ID_ADMIN_USER : cn=orcladmin	MANAGED_SERVER_LISTEN_PORT	
OID_IP : 10.180.87.84 OID_PORT : 389 OID_ADMIN_USER : cn=orcladmin	MANAGED_SERVER_SSL_LISTEN_PORT	: 8002
UID_IP : 10.180.87.84 OID_PORT : 389 OID_ADMIN_USER : cn=orcladmin OID_ADMIN_PWD : welcome1	LDAP_PROVIDER	: 010
UID_PORI : 389 OID_ADMIN_USER : cn=orcladmin OID_ADMIN_PWD : welcomel	OID_IP	: 10.180.87.84
UID_AUMIN_USER : cn=orclaamin OID_ADMIN_PWD : welcomel		: 389
UID_ADMIN_PWD : welcome1		: ch=orclagmin
	UID_ADMIN_PWD	: welcomet

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_serverl
UI_TARGET	: /scratch/install/target
UI_MW_HOME	: /scratch/app/product/fmw
UI_JAVA_HOME	: /scratch/app/product/jdk1.8.0_101
OUI_JAVA_HOME	: /scratch/app/product/jdk1.8.0_101
CENTRAL_INVENTORY_LOC	: /scratch/app/oraInventory
INSTALL_AS	: ofssobp
IPM_SERVER_IP	: 10.180.6.143
IPM_SERVER_PORT	: 16000
OFSAA_SERVER_IP	: ofsaa-ofss.com
OFSAA_SERVER_PORT	: 17000
0AAM_SERVER_IP	: oaam-ofss.com
0AAM_SERVER_PORT	: 14000
0IM_SERVER_IP	: oim-ofss.com
0IM_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:+UseCon	cMarkŚweepGC -XX:CMSInitiatingOccupancyFraction=75 -Djbo.load.components.lazily=true
HOST_ADMIN_SERVER_LISTEN_ADDRESS	: 10.180.85.195
HOST ADMIN SERVER LISTEN PORT	: 7001
HOST MANAGED SERVER LISTEN ADDRESS	: 10.180.85.195
HOST MANAGED SERVER LISTEN PORT	: 8001
SOA MANAGED SERVER LISTEN ADDRESS	: 10.180.85.159
SOA MANAGED SERVER LISTEN PORT	: 8001
SOA ADMIN SERVER LISTEN ADDRESS	: 10.180.85.159
SOA ADMIN SERVER LISTEN PORT	: 7001
KEYSTORE PASSWORD	: welcome1
UI SSL PASSWORD	: welcome1
UCM READ FROM URL	: true
UCM IP	: ofss.ucm.com
UCM PORT	: 4444
OFFLINE CHANNEL OUTBOUND USERNAME	: offlineuser

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

OFFLINE CHANNEL OUTBOUND USERNAME	: offlineuser
OFFLINE CHANNEL OUTBOUND PASSWORD	
CARD_USERNAME	: orakey
CARD_PASSWORD	: welcomel
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	
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 : ofssobp
HOST_UNIX_USER	. 015500p
Please take your time and go throw	gh the information printed above in detail.
If the above mentioned information	is correct, please enter Y or y to proceed. Press any other key to exit the installation.

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

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

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 ins	tallation.
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:adi5e: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. ofssobp810.180.85.196's password:	
objinstil-ui.zip installopusilent.properties 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	100% 649MB 216.3MB/s 00:03 100% 1241 1.2KB/s 00:00
<pre>inflating: /scratch/install/target/obpui generic.jar inflating: /scratch/install/target/installdomain.sh inflating: /scratch/install/target/installdomain.sh inflating: /scratch/install/target/obp-ui-post-install.sh inflating: /scratch/install/target/pole-ui-post-install.py inflating: /scratch/install/target/metadatsOAUpdate.sh inflating: /scratch/install/target/plost.ol2.tar.gz inflating: /scratch/install/target/PYAML-3.11.tar.gz inflating: /scratch/install/target/PYAML-3.11.tar.gz inflating: /scratch/install/target/SOAPpy-0.12.5.tar.gz inflating: /scratch/install/target/SOAPpy-0.4.3.tar.gz inflating: /scratch/install/target/SOAPpy-0.4.3.tar.gz inflating: /scratch/install/target/SOAPpy-0.4.3.tar.gz inflating: /scratch/install/target/subs-0.4.tar.gz inflating: /scratch/install/target/subs-0.4.ar.gz inflating: /scratch/install/target/subs-0.5.ar.gz inflating: /scratch/install/target/subs-0.5.gs-13-19PM/launcher2018-05-03_05-13-19PM.log. Extracting file: /scratch/subs-0.5.gs-13-1</pre>	/scratch/app/product/fmw/obpinstall
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:	

You can find the log of this install session at: /tmp/0raInstall2018-05-03_05-13-19PM/install2018-05-03_05-13-19PM.log	
Loading products list. Please wait.	
40%	
Loading products. Please wait.	
44%	
53%	
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)	
Installation in progress (Thursday, May 3, 2018 5:13:44 PM IST) 98% Done.	
Install successful	
.inking in progress (Thursday, May 3, 2018 5:13:44 PM IST) .ink successful	
Setup in progress (Thursday, May 3, 2018 5:13:44 PM IST) Setup successful	
Saving inventory (Thursday, May 3, 2018 5:13:44 PM IST) Saving inventory complete Configuration complete	
End of install phases.(Thursday, May 3, 2018 5:13:44 PM IST) Logs successfully copied to /scratch/app/oraInventory/logs.	

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

Figure 6–7 Domain Creation Confirmation

 Installation in progress (Thursday, May 3, 2018 5:13:44 PM IST) 98% Done. Install successful
Linking in progress (Thursday, May 3, 2018 5:13:44 PM IST) Link successful
Setup in progress (Thursday, May 3, 2018 5:13:44 PM IST) Setup successful
Saving inventory (Thursday, May 3, 2018 5:13:44 PM IST) Saving inventory complete Configuration complete
End of install phases.(Thursday, May 3, 2018 5:13:44 PM IST) Logs successfully copied to /scratch/app/oraInventory/logs.
Initializing WebLogic Scripting Tool (WLST)
Jython scans all the jar files it can find at first startup. Depending on the system, this process may take a few minutes to complete, and WLST may no t 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. [ofssobp@mum00adi ui]\$

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

6.2 Post Installation Configuration

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

Checklist for Post Installation Procedure

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

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

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

Post Installation Configuration

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

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

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

Figure 6–8 UI Admin Server Credentials

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

Figure 6–9 UI Admin Server Running

Integration Class called and was reloaded for me PostInstallConfigIntegration:oracle_ias_farm target auth registration is done. ompositesProvIntegration init... getAllPluginOracleHomes: ConnectionService is null getAllPluginOracleHomes: ConnectionService is null getAtUPlugInUracleHomes: 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/CSA.gif, /em/ecm/csa/CSA.mb, /em/ecm/csa iagnostic Service.> «May 9, 2018, 3:18:26,991 PM IST> «Notice> «WebLogicServer> «BEA-000365> «Server state changed to ADMIN.» «May 9, 2018, 3:18:27,107 PM IST> «Notice> «WebLogicServer> «BEA-000365> «Server state changed to RESUMING.» «May 9, 2018, 3:18:27,109 PM IST> «Warning» «JMX» «BEA-149535> «JMX Resiliency Activity Server=All Servers : Resolving connection list DomainRuntimeSe rviceMBean> <May 9, 2018, 3:18:27,338 PM IST> <Notice> <Server> <BEA-002613> <Channel "Default" is now listening on 10.180.85.196:7001 for protocols iiop, t3, lda</pre> p, snmp, http.: <May 9, 2018, 3:18:27,344 PM IST> <Alert> <Security> <BEA-090153> <Demo identity certificate is used in production mode: [</pre> 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 14811946902060408079898980495455613517468803286663115243515362374635305298382673694298536842566442877518165719775797175668533963201933187176869575898 0836657936273717573 public exponent: 65537 Validity: [From: Wed May 09 15:15:09 IST 2018, To: Mon May 08 15:15:09 IST 2023] Issuer: CN=CertGenCA, OU=FOR TESTING ONLY, O=MyOrganization, L=MyTown, ST=MyState, C=US SerialNumber: [0163444a 4b53] Certificate Extensions: 1 [1]: ObjectId: 2.5.29.14 Criticality=false

Figure 6–10 UI Admin Server Running (contd)

```
KeyIdentifier
0000: 07 D2 F0 F5 02 B5 9A 1B 53 2B C7 62 D5 98 F0 E1 ......S+.b....
0010: 6A EC 92 37
  Algorithm: [SHA256withRSA]
 Signature:
1A FE 2C C2 6C F1 E6 02 .2K?0.BL..,l...
37 C3 C7 03 EF E9 64 22 P..(/E.B7....d"
 020: 0E 32 4B 3F 30 B5 42 4C
0030: 50 88 0F 28 2F 45 AD 42
0040: B5 D9 E0 2A 9E 08 D9 E5
0050: 9B 64 CA 4D 0A 6B 35 B0
                                   3B ED 04 B5 A0 6B 0B 62 ...*...;...k.b
1D E8 A0 CE D4 5D CF 93 .d.M.k5.....].
                                   2D EA 34 79 EF 12 54 5F ..........4y..T

5E 3D 82 A9 AE 78 74 0F ...0.<..."^=...xt.

95 55 DA 7E 86 47 94 BB 2......U...G.
 060: F8 AA F7 11 B1 C1 08 2D
0070: E8 AC 30 83 3C 03 DA 22
0080: 32 80 D1 17 7B AD FC BC
                                   12 E3 D7 9F EB DE F7 07 \.o.0..b.....
62 31 23 43 94 0B 87 4F !..aSD.Sb1#C...0
0090: 5C 92 6F E6 30 8C B7 62
00A0: 21 B6 BD 61 53 44 EF 53
                                   D2 82 90 75 0E 96 7D 82 ....6@7R....u....
00B0: CC B1 C9 36 40 37 52 A8
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..
0000; 19 A9 79 44 76 A5 E6 C6 79 62 88 E7 B9 63 2F B9 ...yDv...yb...c/.
00F0: FE 87 76 8B 67 9B 00 B7 CA 81 51 9A D1 58 FF FE ...v.g....Q..X..
] The system is vulnerable to security attacks, since the server private key is available to the public.>
<May 9, 2018, 3:18:27,345 PM IST> <Notice> <Server> <BEA-002613> <Channel "DefaultSecure" is now listening on 10.180.85.196:7002 for protocols iiops,
t3s, ldaps, https.>
«May 9, 2018, 3:18:27,345 PM IST> <Notice> <WebLogicServer> <BEA-000329> <Started the WebLogic Server Administration Server "AdminServer" for domain</pre>
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>
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,</p>
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.>
```

- 3. 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.
- 5. Navigate to the UI middleware location and give executable permission to the post install script:

\$cd <ui middleware home>

6. Execute the script using the following commands:

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

Figure 6–11 Starting Post Installation

[-fh-ooo-di flo /-hi	
[ofssobp@mum00adi fmw]\$./obp-ui-po	
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	
HOST_MANAGED_SERVER_LISTEN_PORT	: 8001
SOA_MANAGED_SERVER_LISTEN_ADDRESS	: 10.180.85.159
SOA_MANAGED_SERVER_LISTEN_PORT	: 8001
LDAP_PROVIDER	: OID
OID_IP	: 10.180.87.84
OID_PORT	: 389
OID_ADMIN_USER	: cn=orcladmin
OID_ADMIN_PWD	: welcomel
0ID_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
0AAM_SERVER_IP	: oaam-ofss.com
0AAM_SERVER_PORT	: 14000
0IM_SERVER_IP	: oim-ofss.com
0IM_SERVER_PORT	: 16000

Figure 6–12 Starting Post Installation (contd)

OIM_SERVER_IP: oim-ofss.comOIM_SERVER_PORT: 16000UCM_READ_FROM_URL: trueUCM_IP: ofss.ucm.comUCM_PORT: 4444OFFLINE_CHANNEL_OUTBOUND_USERNAME: offlineuserOFFLINE_CHANNEL_OUTBOUND_PASSWORD: welcome1CARD_USERNAME: orakeyCARD_USERNAME: orakeyRULE_USERNAME: orakeyRULE_DSENNAME: orakeyRULE_DSENNAME: welcome1RULE_DSENNAME: welcome1RULE_DSENNAME: welcome1USER_TIMEZONE: welcome1USER_NAME: welcome1USERNAME: welcome1USERNAME: welcome1USERNAME: welcom2USERNAME: welcom2US		
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_ASSWORD : welcome1 USER_TIMEZONE : +5:30 IPM_USERNAME : weblogic	OIM_SERVER_IP	: oim-ofss.com
UCM_IP : ofss.ucm.com UCM_PORT : 4444 OFFLINE_CHANNEL_OUTBOUND_USERNAME : offlineuser OFFLINE_CHANNEL_OUTBOUND_PASSWORD : welcome1 CARD_PASSWORD : welcome1 RULE_USERNAME : orakey RULE_PASSWORD : welcome1 USER_TIMEZONE : velcome1 USER_TIMEZONE : +5:30 IPM_USERNAME : weblogic	OIM_SERVER_PORT	: 16000
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	UCM_READ_FROM_URL	: true
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	UCM IP	: ofss.ucm.com
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	-	: 4444
OFFLINE_CHANNEL_OUTBOUND_PASSWORD : welcome1 CARD_USERNAME : orakey CARD_PASSWORD : welcome1 RULE_USERNAME : orakey RULE_PASSWORD : welcome1 USER_TIMEZONE : +5:30 IPM_USERNAME : weblogic		: offlineuser
CARD_USERNAME: orakey CARD_PASSWORD : welcome1 RULE_USERNAME : orakey RULE_PASSWORD : welcome1 USER_TIMEZONE : +5:30 IPM_USERNAME : weblogic		
CARD_PASSWORD : welcome1 RULE_USERNAME : orakey RULE_PASSWORD : welcome1 USER_TIMEZONE : +5:30 IPM_USERNAME : weblogic		
RULE_USERNAME : orakey RULE_PASSWORD : welcome1 USER_TIMEZONE : +5:30 IPM_USERNAME : weblogic	-	
RULE_PASSWORD : welcome1 USER_TIMEZONE : +5:30 IPM_USERNAME : weblogic		: orakev
USER_TIMEZONE : +5:30 IPM_USERNAME : weblogic		
IPM_ÜSERNAME : weblogic		: +5:30
		: weblogic
FTP_IPM_USERNAME : ofssobp	FTP IPM USERNAME	: ofssobp
FTP_IPM_PASSWORD : ofssobp123		: ofssobp123
FTP IPM BATCH USERNAME : ofssobp		: ofssobp
FTP IPM BATCH PASSWORD : ofssoop123	FTP IPM BATCH PASSWORD	: ofssobp123
HOST UNIX USER : ofssobp	HOST UNIX USER	: ofssobp
BIP SERVER IP : 10.180.6.143	BIP SERVER IP	: 10.180.6.143
Please take your time and go through the information printed above in detail.	Please take your time and go throug	h the information printed above in detail.
If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the installation.		

Figure 6–13 Continuation of Post-Installation

	: +5:30 : weblogic : weblogic1 : ofssobp : ofssobp123 : ofssobp : ofssobp123 : ofssobp : 10,180.6.143 h the information printed above in detail. is correct, please enter Y or y to proceed. Press any oth	her key to exit the installat	ion.	
Post-installation will begin in som	netime			
ofssobp@10.180.6.143's password: i18nAPI_v3.jar i18nAPI_v3.jar copied from BIP mack		100%	904KB 904.4KB/s	00:00
ofssobp@10.180.6.143's password:		1000		00.01
xdocore.jar		100%	9060KB 8.9MB/s	00:01
xdocore.jar copied from BIP machine				
ofssobp@10.180.6.143's password:		1000	6204KD 6 1MD /-	00.00
versioninfo.jar	hi	100%	6204KB 6.1MB/s	00:00
versioninfo.jar copied from BIP mac	nine			
ofssobp@10.180.6.143's password:		3.0.00		00.00
imaging-client.jar		100%	863KB 863.3KB/s	00:00
imaging-client.jar copied from IPM	machine			
ofssobp@10.180.6.143's password:		1000	010KB 010 0KB /-	00.00
oracle.ucm.ridc-11.1.1.jar	The section	100%	619KB 618.9KB/s	00:00
oracle.ucm.ridc-11.1.1.jar copied f				
Certificate stored in file <mum00ac< td=""><td>11.1N.Oracle.com.cer></td><td></td><td></td><td></td></mum00ac<>	11.1N.Oracle.com.cer>			
Certificate was added to keystore Certificate was added to keystore				
Certificate was added to keystore Certificate stored in file <orakey.< td=""><td>orts</td><td></td><td></td><td></td></orakey.<>	orts			
	/product/fmw/user_projects/domains/ui_domain/servers/AdminS	Server/stdern log		
Logging wis stuern to /scratch/app/	product/ niw/user_projects/domains/di_domain/servers/Admins	Server/stuerr.tog		
/scratch/app/product/fmw/obpinstall	/ohn			
ofssobp@10.180.85.159's password:	, oop			
	and the density descendencie to affect for a self other sectors a	na anda fila an diasakana		

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

Please take your time and go through the information printed above in detail. If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the v	installat	tion.		
Post-installation will begin in sometime ofssobp@10.180.6.143's password: i18nAPI_v3.jar	100%	QAAKB	904.4KB/s	00:00
il8nAPI_V3.jar copied from BIP machine ofssobp@10.180.6.143's password:	100.0	904NB	504.410/5	00.00
xdocore.jar xdocore.jar copied from BIP machine ofssobp@10.180.6.143's password:	100%	9060KB	8.9MB/s	00:00
versioninfo.jar versioninfo.jar copied from BIP machine	100%	6204KB	6.1MB/s	00:00
ofssobp@10.180.6.143's password: imaging-client.jar imaging-client.jar copied from IPM machine	100%	863KB	863.3KB/s	00:00
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</mum00adi.in.oracle.com.cer>				
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</orakey.crt>				
/scratch/app/product/fmw/obpinstall/obp				
ofssobp@10.180.85.159's password: cwallet.sso.lck cwallet.sso	100% 100%	0 1381	0.0KB/s 1.4KB/s	00:00 00:00
ofssobp@10.180.85.159's password: keystores.xml Lefecebargumu00adi fm.le	100%	195KB	195.2KB/s	00:00
[ofssobp@mum00adi fmw]\$				

7. For monitoring the script run check the following log files created under the ui domain directory:

- obp-ui-install-log.txt
- obp-ui-install-log-py.txt

7 Oracle Banking Platform Reference Process Models Media Pack Installation

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

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

7.1 Pre-Installation Steps

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

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

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

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

7.2 Installing RPM Process Maps

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

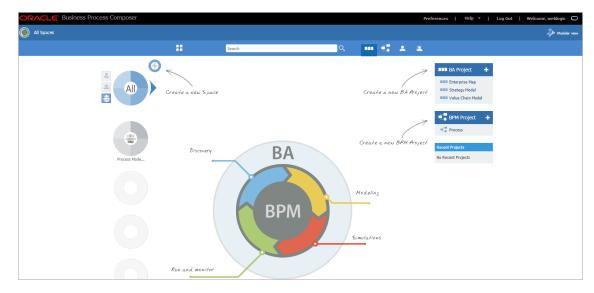
1. Launch the Oracle Business Process Composer from a browser, and connect to the Web Server where BPM 12.2.1.3.0 has been installed.

Figure 7–1 Log in to the OBP Composer

ORACLE" Business Process Composer		0
	PadmaM	
	Login	
		Discovery BA
		BPM Simulations
BPM Composer	Run and m	onitor
Convright © 2005, 2014, Oracle and/or its affiliates. All rights reserved.		

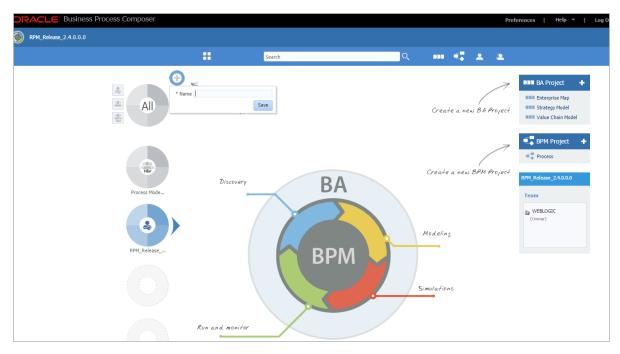
2. Create a new space for the release by clicking the + icon.

Figure 7–2 Create a New Space



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

Figure 7–3 Name the Space



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

Figure 7–4 Import Project

	er			Prel	ferences Help ▼ Lo	g Out Welcome, weblogic 🔘
All Spaces						🧩 Modeler view
Import ► ► Export ► ■ Reports ►	::	Search	્	••• • •		
Reports >	Create a new Space			Create a new BA Project	B33 BA Project H B33 Enterprise Map B33 Strategy Model B33 Value Chain Model	
Process	Discovery	BA		Create a new BPM Project	BPM Project + Recent Projects No Recent Projects	
		ВРМ		Modelins		
	Run and monitor		Si	mulations		

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

Figure 7–5 Select the first file

ORACLE Business Process Composer							Pref	ferences Help + Log Out Welcome, weblogic 🔘
All Spaces								
		Search	Q	833	•			
	Create a new Space			Crean	te a n	ew BA	/ Project	B38 BA Project
Preses Mode		port from file Select a Space	e No file chose		Cancel		/ Project	pPM Project process Recent Projects Its Recent Projects
	Run and monifor	BPM)	lodelin; nulation				

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

Figure 7–6 Click OK to Import the Project

Business Process Compose x		Page.jspx					Prabhakara → ⊡ > ⊙ ★ Q
					Preferences	Help 🖌 Log Out	Welcome, prabhakaras
Reference Process Model for Banking							Modeler view
	::	Search	<u>्</u>				
Contraction of the second seco	Import from file Reference Process M	Manage Limits and Collaterals Space: Reference Process Model for Banking Pk Created: 1:45 PM Creater PrABHAVARAS Type: BPH Project	atform Release 2.4.0.0.1	L D	Update (1) OK Cancel	BA Project A Ban Project A Ban Project A Statey Mod Statey Mod A State State	

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

The installation process is complete.

8 Oracle BAM Installation using OBP SOA Media Pack

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

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

Note

This section is valid for OBEO and OBP applications.

8.1 Installation and Configuration Procedure

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

8.1.1 Preparatory Steps

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

Step 1 Procuring Installables

Download the appropriate SOA media pack from the following location:

http://edelivery.oracle.com/

Step 2 Extracting the Installables

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

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

Step 3 Printing Checklists

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

8.1.2 Pre-Installation Steps

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

Step 1 Updating installobpsoa.properties

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

Step 2 Checklist for a new setup

Before initiating installation, check the following:

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

Table 8–1 BAM Installation Property

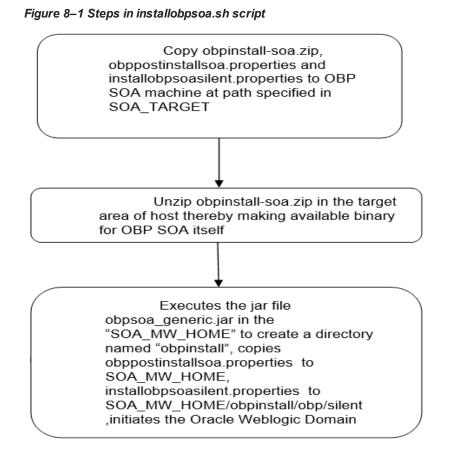
Property Name	Property Value				
BAM_INSTALLATION	Y or y				

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

8.1.3 Installation Steps

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

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



A sample output is given here.

./installobpsoa.sh

Figure 8–2 Verification of Properties

[ofssobp@mumODabp soa]\$./installobp	noa ah
	ratch/install/soa. It is assumed that all installables are present in this directory.
Printing the information entered abo	
SILENT_INSTALL	: 10.180.85.159
LOCAL_IP	
LOCAL_DISPLAY_VALUE DOMAIN_NAME	: 0.0
	: base demain
	: /scrätch/app/product/fmw/user_projects/domains : weblogic
WEBLOGIC PASSWORD	: weblogic]
	: Weblogici : PRDS04 MDS
	: PRDSOA SORINIRA
	: welcomel
DB_SCHEMA_PASSWORD DB_IP	: Welcomet : : 10.180.87.84
DB_PORT	: 1521
DB SERVICE NAME	: 2001 : 96784a
HOST SCHEMA USER	: 997552
	: welcom/I
HOST DE IP	: 10,386.07.04
	: 1521
	- P0754A
ADMEN SERVER LISTEN ADDRESS	10,180,85,159
ADMIN SERVER LISTEN PORT	: 700]
	2 7002
SOA SERVER LISTEN ADDRESS	: 10.188.85.159
SOA_SERVER_LISTEN_PORT	: 8001
SOA_SERVER_SSL_LISTEN_PORT	: 8002
HUMANTASK SERVER LISTEN ADDRESS	2 10 380.05.159
HUMANTASK SERVER LISTEN PORT	1000 1
HUMANTASK_SERVER_SSL_LISTEN_PORT	: 9092
BAM SERVER LISTEN ACORESS	: 10.389.85.159
BAM SERVER LISTEN PORT	: 9003
BAM SERVER SSL LISTEN PORT	: 9064
HOST_MANAGED_SERVER_LISTEN_ADDRESS	
HOST_MANAGED_SERVER_LISTEN_PORT	: 3001
LDAP PROVIDER	: 010
010 IP	10.380.87.84

Figure 8–3 Verification of Properties

OID IP	: 10.189.87.84
OID PORT	1 389
OID ADMIN USER	; cn=orsladmin
OID ADMIN PWD	: welcome)
	: cn=Groups,dc=in,dc=oracle,dc=com
	: cn+Users,dc=in,dc+oracle,dc+com
OPSS SOA SCHENA USER	: PRDS0A DPSS
OPSS SOA SCHENA PASSWORD	: wiccawi
OPSS SOA DB IP	10.100.87.84
OPSS SOA DB PORT	1521
OPSS SOA DB SERVICE NAME	: P87843
NODE MCR PORT	5556
SOA IP	1.10.100.85.159
SOA CLUSTER NAME	: obosos clusteri
SOA SERVER NAME	sosserver]
	: obofumantask cluster1
	: obdywantask server]
	: /scratch/install/target
	: /scratch/app/product/idk1.0.0 101
	: /scratch/app/product/jdk1.8.0 101
	/scratch/app/araInventory/
SOA MY HOME	: /scratch/app/product/fme
	: 10.300.05.196
UI UNIX USER	: ofssobp
	/scrath/app/product/fmw/user_projects/domains/ui_domain
	ofsoop
	- Xmill24e - Xmx204fm
	- XX:NewSize=2048m -XX:HaxNewSize=4096m -XX:+UseParNewSC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepSC -
XX:CMSInitiatingOccupancyFraction=75	
SOA HUMANTASKSERVER JVM PARAMS	: -Dibb.ampool.dompoolingsfalse -Xms4096m -Xms4096m -XX:New5ize=512m -XX:MaxNew5ize=2040m -XX:+UseParNew6C -XX:+
	MarkSweepCC -XX:CMSInitiatingOccupancyFraction=75 -Dobp.http.maxRetryCount=1 -Dobp.http.socketBufferSize=8192 -Do
bo http:maxConnertionsPerilost=20 .Dob	p.http.expireAndRetrystrue Dobp.http.maxConnectionsPerMost=150 Dobp.http.connectionTimeout=60000 Dobp.http.id
leTimeoutPollInterval=10000 -Dobp.htt	
NEYSTORE PASSWORD	: swiccem1
UI MANAGED SERVER LISTEN ADDRESS	10.160.45.196
VI MANAGED SERVER LISTEN PORT	1 8001
DEFAULT BANK CODE	08
DEFAULT TRANSACTION BRANCH CODE	05999
and some - consistent a stall consistent - constrained	

DEFAULT TRANSACTION BRANCH CODE DEFAULT TARGET UNIT	: 899999 : 080 BU
CARD USERNAME	z prakov
CARD PASSWORD	z welcomel
RULE USERNAME	: orakey
RULE PASSWORD	: welcomel
USER TIMEZONE	: +5:30
SOA SSL PASSWORD	: welcomel
REMOTE EXECUTION	
BAM INSTALLATION	2.8
IPM USERNAME	: weblogic
IPM PASSWORD	: weblogicl
FTP IPM USERNAME	: ofssobp
FTP_IPM_PASSWORD	: ofssobp123
FTP IPM BATCH USERNAME	: ofssobp
FTP_IPH_BATCH_PASSWORD	: ofssobpl23
IPM HOME	: /scrmtch/app/product/fmw_ipm/Oracle_ECMI
IPM SERVER IP	10, 159, 4, 143
BIP_SERVER_IP	: 10,150.6.143
BIP SERVER PORT	: 9502
BIP UNIX USER	: afssobp
BIP HOME	: /scratch/app/product/fmw_bip/bi
Please take your time and go throu	gh the information printed above in detail. is correct, please enter Y or y to proceed. Press any other key to exit the installation.

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

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

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

		_
Please take your time and go through the information printed above in detail. If the above mentioned information is correct, please enter Y or y to proceed.	Press any other key to exit the installation,	
y Installation will begin in sometime.		
Please wait while the installables are copied onto the servers. The authenticity of host '10.100.05.159 (10.100.05.159)' can't be established.		
ECD5A key fingerprint is dc:11:29:24:4c:e0:17:08:45:ad:6b:b0:b8:ac:1b:4a. Are you sure you want to continue connecting [yes/no]? yes		
Marning: Permanently added "10.100.05.159" (ECDSA) to the list of known hosts.		
ofssobp@10.180.85.150's password: obpinstall-soa.zip	100% 357HE 178.6ME/S 00:02	
installobpsoasilent, properties	100% 1551 1.5KB/s 00:00	
The configuration of OBP SOA domain shall begin immediately thereafter. ofssobp@10.100.05.150's password:		
<pre>Archive: /scratch/install/target/obpinstall-soa.zip inflating: /scratch/install/target/obpsoa_generic.jar</pre>		
inflating: /scratch/install/target/installdomain.sh		
inflating: /scratch/install/target/installdomain_silent.sh inflating: /scratch/install/target/obg-soa-post-install.sh		
inflating: /scratch/install/target/obp-soa-post-install.py inflating: /scratch/install/target/update-syncMaxTimeWait.py		
inflating: /scratch/install/target/deployProcesses.py		
inflating: /scratch/install/target/bam.sh inflating: /scratch/install/target/metadataSORUpdate.sh		
inflating: /scratch/install/target/encryptPassword.py inflating: /scratch/install/target/docutils-0.12.tar.gz		
inflating: /scratch/install/target/JPypel-0.5.7.tar.gz		
inflating: /scratch/install/target/PyYAMC-3.11.tar.gz inflating: /scratch/install/target/SOAPpy-0.12.5.tar.gz		
inflating: /scratch/install/target/suds-0.4.tar.gz inflating: /scratch/install/target/wstools-0.4.3.tar.gz		
extracting: /scratch/install/target/bam.zip		
inflating: /scratch/install/target/bpel-config.xml inflating: /scratch/install/target/Plan.xml.tmpl		
inflating: /scratch/install/target/BAMCommandConfig.xml.tmpl > /scratch/app/product/jdkl.0.0_101/bin/java -jar /scratch/install/target/obs	and meaning in a cilera control wood a constant and product the tabaian	11
INVENTORY_LOCATION=/scratch/app/oralnventory/	And Target of the strend and the started about provide the second	



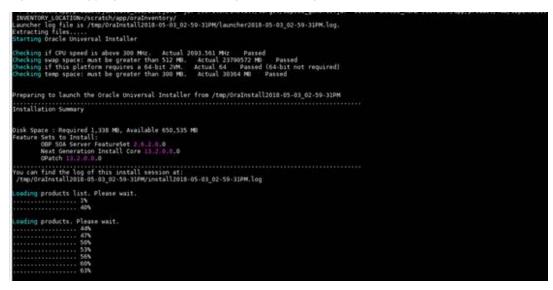


Figure 8–7 Copying and Extraction of obpinstall-soa.zip

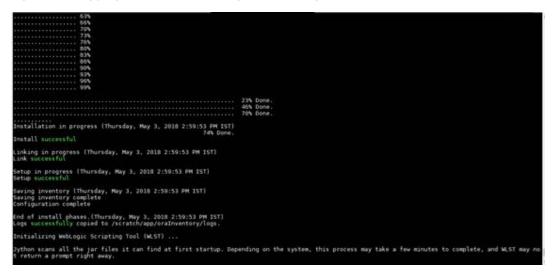
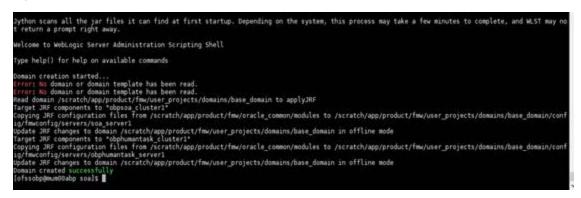


Figure 8–8 Domain Creation Confirmation



8.1.3.1 Updating Domain with BAM Template

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

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

Figure 8–9 Configuration Type page

Fusion Middleware Configuration	wizard - Page 1 of 6			
Configuration Type				
🙊 Update Domain	•			
🗼 <u>Templates</u>				
Advanced Configuration				
Configuration Summary				
Configuration Progress				
C End Of Configuration	What do you want to Create a new do Update an exist Domain Location:	omain ting domain /scratch/app/product/fmw/us	er_projects/domains/base_domain	▼ Browse
Help			< <u>Back</u>	sh Cancel

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

Figure 8–10 Templates page

Fusion Middleware Configuration	Wizard - Page 2 of 12	
Templates		
Update Domain Templates Datasources GridLink DS JDBC DS Test Database Configuration Type Component Datasources JDBC Test Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	 	Browse
Help	< <u>Back</u> Next > Einis	h Cancel

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

JDBC Data Sources	Wizard - Page	3 of 12		-			
Update Domain Templates Datasources GridLink DS JDBC DS Test Database Configuration Type Component Datasources	C	configuration) Convert to C	for data sources:	river:		Port:	nvert
JDBC Test Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Da	ata Source	DBMS/Service P6148A	Host Name 10.180.6.148	Port 1521	Username SOATEST_MDS	Password ••••••
Help				< <u>Bac</u>	k <u>N</u> ext	> Finish	Cancel

Figure 8–11 JDBC Data Sources page

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

Figure 8–12 GridLink Oracle RAC Data Sources page

Fusion Middleware Configuration GridLink Oracle RAC Data				
Update Domain Templates Datasources GridLink DS JDBC DS Test Database Configuration Type Component Datasources JDBC Test Advanced Configuration Configuration Summary Configuration Progress	Driver:	a sources	Service Listener ONS Host	Port Protocol Port Add Delete
ំ End Of Configuration	RAC Data Source OBP_SYS_CONFIG	Service Name P6148A	Username TEST_OBP	Password
	* •			
Help		< <u>B</u> a	ick <u>N</u> ext >	Einish Cancel

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

Figure 8–13 JDBC Data Sources Test page

Fusion Middleware Configuration	Wizard - Page 5 of 12	
JDBC Data Sources Test		
Update Domain Templates Datasources GridLink DS JDBC DS Test Database Configuration Type Component Datasources IDBC Test Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Fusion MiDDLewARE Status Data Source JDBC Connection URL OBP_SYS_C jdbc:oracle:thin:@(DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PR mds-obpui jdbc:oracle:thin:@//10.180.6.148:1521/P6148A Test Selected Connections Cancel Testing Connection Result Log Data Source=OBP_SYS_CONFIG Driver=oracle.jdbc.OracleDriver URL=jdbc:oracle:thin:@(DESCRIPTION=(ADDRESS_LIST=(ADDRESS=(PROTOCOL=TCP)(Ho: User=TEST_OBP) Password=********* SQL Test=SELECT 1 FROM DUAL CFGFWK-64213: Test Successfull 	
Help	< <u>B</u> ack Next > Einish	Cancel

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

Figure 8–14 Database Configuration Type page

Fusion Middleware Configuration Database Configuration Type	
 Update Domain Templates Datasources GridLink DS JDBC DS Test Database Configuration Type Component Datasources JDBC Test Advanced Configuration Configuration Summary Configuration Progress End Of Configuration 	Specify AutoConfiguration Options Using: BCU Data Manual Configuration Enter the database connection details using the Repository Creation Utility service table (STB) schema credentials. The Wizard uses this connection to automatically configure the datasources required for components in this domain. Vendor: Oracle Oriver: *Oracle's Driver (Thin) for Service connections; Vers • DBMS/Service: P6148A Host Name: 10.180.6.148 Port: 1521 Schema Owner: SOATEST_STB Schema Password: ••••••• Get RCU Configuration Gancel Connection Result Log Connecting to the database serverOK Binding local schema components with retrieved dataOK Successfully Done. * Click "Next" button to continue.
Help	< <u>Back</u> <u>N</u> ext > <u>Finish</u> Cancel

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

Figure 8–15	JDBC	Component	t Schema	page
-------------	-------------	-----------	----------	------

	-				FUSION	MIDDLEWARE	
Update Domain	• Ver	ndor:		Driver:			
Templates	DB	MS/Service:		Host Name:		Port:	
<u>Datasources</u>							
GridLink DS	Scł	nema Owner:		Schema Password:			
JDBC DS Test	Ori	acle RAC configuration f	or component s	chemas:			
Database Configuration Ty		O Convert to G		onvert to RAC mult	i data sour	rce 🔿 Don't	convert
Component Datasources	-	O content to di			r uata sour	Ce O'Don't	convert
•	Edi	ts to the data above will	affect all checke	d rows in the table	below.		
JDBC Test		Company of Column	DDMC (Complex)	Line of blooms	D t	Calculation of the second	California Da antonio
Advanced Configuration		Component Schema BAM Schema	DBMS/Service P6148A	Host Name 10.180.6.148	Port 1521	SOATEST_SOA	Schema Passwo
Configuration Summary	님	BAM Job Sched Schema		10.180.6.148	1521	SOATEST_SOF	
Configuration Progress	님	BAM Leasing Schema	P6148A	10.180.6.148	1521	SOATEST_WLS	
End Of Configuration	片	BAM Leasing Schema	P6148A	10.180.6.148	1521		
	片	SOA EDN (XA)	P6148A	10.180.6.148	1521	SOATEST_SOA	
	片	SOA EDN (Local)	P6148A	10.180.6.148	1521	SOATEST_SOA	
	H	LocalSvcTbl Schema	P6148A	10.180.6.148	1521		
	一日	User Messaging Servic	P6148A	10.180.6.148	1521	SOATEST_UMS	•••••
	后	SOA (XA)	P6148A	10.180.6.148	1521	SOATEST_SOA	
	Ē	SOA (Local)	P61484	10 180 6 148	1521	SOATEST SOA	

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

Figure 8–16 JDBC Component Schema Test page

Update Domain jb8C Connection URL Templates Ø BAM Schema jdbc:oracle:thin:@//10.180.6.148:1521/P6148A Datasources Ø BAM Job Sched Sche jdbc:oracle:thin:@//10.180.6.148:1521/P6148A GridLink DS Ø BAM Non jTA Schem jdbc:oracle:thin:@//10.180.6.148:1521/P6148A JDBC DS Test SOA EDN (XA) jdbc:oracle:thin:@//10.180.6.148:1521/P6148A Database Configuration Type SOA EDN (Local) jdbc:oracle:thin:@//10.180.6.148:1521/P6148A JDBC Test SOA EDN (Local) jdbc:oracle:thin:@//10.180.6.148:1521/P6148A JDBC Test User Messaging Ser jdbc:oracle:thin:@//10.180.6.148:1521/P6148A Configuration Summary Configuration Summary Connection Result Log Component Schema=BAM Schema Component Schema Component Schema Diffiguration Progress Connection Result Log Component Schema Component Schema=BAM Schema Component-Schema Component-Schema Diffiguration Progress SOA IENT (Dotal) Gancel Testing Component Schema=BAM Schema Component-Schema Component-Schema Diffiguration Progress SOA IENT (Dotal) Component-Schema End Of Configuration C	Component Schema T	est			
Impleted Datasources OridLink DS IDBC DS Test Datasources IDBC DS Test SOA EDN (XA) JBBC Test IDBC Configuration Type IDBC Test IDBC Test IDBC Test IDBC Configuration Type IDBC Test IDBC Test IDBC Test IDBC Configuration Summary Configuration Progress End Of Configuration IDF=SOATEST_SOAINFRA SOA EDN (Local) Idbc:oracle:thin:@//10.180.6.148:1521/P6148A IDBC Test Advanced Configuration Component Schema=BAM Schema Driver=oracle.jdbc.xa.client.Oracle:XADataSource UR=jdbc:oracle:thin:@/10.180.6.148:1521/P6148A USer=SOATEST_SOAINFRA Password========= SQL Test=select 1 from schema_version_registry where owner=(select user from dual) and mr_types	ate Domain	· 🗆	Status	Component Schema	JDBC Connection URL
Datasources GridLink DS JBC DS Test Database Configuration Type SOA EDN (XA) Jdbc:oracle:thin:@//10.180.6.148:1521/P6148A Database Configuration Type SOA EDN (XA) Jdbc:oracle:thin:@//10.180.6.148:1521/P6148A Database Configuration Type SOA EDN (XA) Jdbc:oracle:thin:@//10.180.6.148:1521/P6148A Component Datasources LocalSvCTbl Schemt JDBC Test Advanced Configuration Configuration Summary Configuration Progress End Of Configuration Component Schema=BAM Schema Driver=oracle.jdbc.xa.client.Oracle:XADataSource UR=jdbc:oracle:thin:@/10.180.6.148:1521/P6148A User SoATEST_SOAINFRA Password======= SQL Test=select 1 from schema_version_registry where owner=(select user from dual) and mr_types	<u>plates</u>		a	BAM Schema	jdbc:oracle:thin:@//10.180.6.148:1521/P6148A
GridLink DS GridLink DS JDBC DS Test Database Configuration Type SOA EDN (XA) JBC Cost JDBC Test Database Configuration Type Component Datasources JDBC Test JDBC Test JDBC Test JDBC Test JDBC Test Gridguration Summary Configuration Progress End Of Configuration Component Schema=BAM Schema Driver=oraclet, Job. 148:1521/P6148A User Messaging Ser Guncetion Result Log Configuration Progress End Of Configuration SQL Test_SOAINFRA Password====select 1 from schema_version_registry where owner=(select user from dual) and mr_types	sources		a	BAM Job Sched Sche	jdbc:oracle:thin:@//10.180.6.148:1521/P6148A
IDBC DS Test SOA EDN (XA) jdbc:oraclethin:@//10.180.6.148:1521/P6148A Database Configuration Type SOA EDN (XA) jdbc:oraclethin:@//10.180.6.148:1521/P6148A Component Datasources LocalSvcTbl Schemi jdbc:oraclethin:@//10.180.6.148:1521/P6148A JDBC Test User Messaging Ser jdbc:oraclethin:@//10.180.6.148:1521/P6148A Advanced Configuration SOA (XA) jdbc:oraclethin:@//10.180.6.148:1521/P6148A Configuration Summary Connection Result Log Cancel Testing Configuration Component Schema=BAM Schema Driver=oracle.jdbc.xa.client.OracleXADataSource URL=jdbc:oraclet.in:@//10.180.6.148:1521/P6148A SoA (XA) SoA (XA) SoA Configuration Connection Result Log Connection Result Log Component Schema=BAM Schema Driver=oracle.jdbc.xa.client.OracleXADataSource URL=jdbc:oraclet.in:@/10.180.6.148:1521/P6148A User SOATEST_SOAINFRA Password====================================			a	BAM Leasing Schem	jdbc:oracle:thin:@//10.180.6.148:1521/P6148A
Database Configuration Type SOA EDN (Local) Jubic:oraclethnin@//10.180.6.148:1521/P6148A Component Datasources LocalSvcTbl Schema jdbc:oraclethnin@//10.180.6.148:1521/P6148A JDBC Test User Messaging Ser jdbc:oraclethnin@//10.180.6.148:1521/P6148A Advanced Configuration SOA (XA) jdbc:oraclethnin@//10.180.6.148:1521/P6148A Configuration Summary Configuration Result Log Connection Result Log Component Schema=BAM Schema Driver=oraclejdbc.xa.client.OracleXADataSource UR=jdbc:oraclethin?/10.180.6.148:1521/P6148A User SOATEST_SOAINFRA Password=******* SQL Test=select 1 from schema_version_registry where owner=(select user from dual) and mr_types			1	BAM Non JTA Scherr	jdbc:oracle:thin:@//10.180.6.148:1521/P6148A
Component Datasources LocalSvcTbl Schemi jdbc:oracle:thin:@//10.180.6.148:1521/P6148A JDBC Test User Messaging Ser jdbc:oracle:thin:@//10.180.6.148:1521/P6148A Advanced Configuration SOA (XA) jdbc:oracle:thin:@//10.180.6.148:1521/P6148A Configuration Summary Test Selected Connections Configuration Progress Connection Result Log End Of Configuration Component Schema=BAM Schema Driver=oracle.jdbc.xa.client.OracleXADataSource UR=jdbc:oracle:thin?/10.180.6.148:1521/P6148A User SOATEST_SOAINFRA Password= SQL Test=select 1 from schema_version_registry where owner=(select user from dual) and mr_types	<u>DS Test</u>			SOA EDN (XA)	jdbc:oracle:thin:@//10.180.6.148:1521/P6148A
JDBC Test User Messaging Ser jdbc:oracle:thin:@//10.180.6.148:1521/P6148A Advanced Configuration SOA (XA) jdbc:oracle:thin:@//10.180.6.148:1521/P6148A Configuration Summary Test Selected Connections Cancel Testing Configuration Progress Connection Result Log Component Schema=BAM Schema Driver=oracle.jdbc.xa.client.OracleXADataSource UR=jdbc:oracle:thin?/10.180.6.148:1521/P6148A User SOATEST_SOAINFRA Password= SQL Test=select 1 from schema_version_registry where owner=(select user from dual) and mr_types	base Configuration Type			SOA EDN (Local)	jdbc:oracle:thin:@//10.180.6.148:1521/P6148A
JDBC Test Advanced Configuration Configuration Summary Configuration Progress Configuration Configuration Progress End Of Configuration Component Schema=BAM Schema Driver=oracle jdbc.xa.client.OracleXADataSource UR_=jdbc:oraclethin/#/10.180.6.148:1521/P6148A User=SOATEST_SOAINFRA Password= SQL Test=select 1 from schema_version_registry where owner=(select user from dual) and mr_types	ponent Datasources			LocalSvcTbl Schema	jdbc:oracle:thin:@//10.180.6.148:1521/P6148A
Advanced Configuration Configuration Summary Configuration Progress End Of Configuration Component Schema=BAM Schema Driver=oracle.jdbc.rxa.client.OracleXADataSource URL=jdbc:oracle.thinse//10.180.6.148:1521/P6148A User=SOATEST_SOAINFRA Password=********* SQL Test=select 1 from schema_version_registry where owner=(select user from dual) and mr_types	C Test			User Messaging Ser	jdbc:oracle:thin:@//10.180.6.148:1521/P6148A
Configuration Summary Test Selected Connections Cancel Testing Configuration Progress Connection Result Log End Of Configuration Component Schema=BAM Schema Driver=oracle.jdbc.va.client.OracleXADataSource URL=jdbc.oracle.thin:@//10.180.6.148:1521/P6148A User=SOATEST_SOAINFRA Password=********* SQL Test=select 1 from schema_version_registry where owner=(select user from dual) and mr_types	anced Configuration			SOA (XA)	jdbc:oracle:thin:@//10.180.6.148:1521/P6148A
End Of Configuration Component Schema=BAM Schema Driver=oracle.jdbc:xa.client.OracleXADataSource URL=jdbc:oracle:thin:@//10.180.6.148:1521/P6148A User=SOATEST_SOAINFRA Password=************************************	figuration Summary		<u>F</u> est Sel	ected Connections	<u>⊆</u> ancel Testing
Driver=oracle.jdbc.xa.client.OracleXADataSource URL=jdbc:oracle.thin:@//10.180.6.148:1521/P6148A User=SOATEST_SOAINFRA Password=************************************	iguration Progress			-	
CECEWIK-64213: IDBC connection test was successful	-		=jdbc:o	racle:thin:@//10.180 'EST_SOAINFRA	

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

Figure 8–17 Advanced Configuration page

Fusion Middleware Configuration	Wizard - Page 9 of 22	
Advanced Configuration		
Update Domain Templates Datasources CridLink DS JBC DS Test Database Configuration Type Component Datasources JBC Test Dataced Configuration Managed Servers Clusters Server Templates Coherence Clusters Machines Virtual Targets Partitions Deployments Targeting File Stores Configuration Progress Full Of Configuration	 Jopology Add, Delete or Modify Settings for Managed Servers, Clusters, Virtual Targets and Co Domain Frontend Host Capture Configure Domain Frontend Host Deployments and Services Target to Servers or Clusters File Store Modify Settings 	
Help	< <u>Back</u> <u>N</u> ext > <u>Finis</u>	sh Cancel

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



Managed Servers						
L Update Domain	: Add 🗈 CIo	ne 🔀 <u>D</u> elete			🧳 Dis <u>c</u> a	rd Changes
Datasources	Server Name	Listen Address	Listen Port	Enable SSL	SSL Listen	Server
GridLink DS				✓	Port	Groups
JDBC DS Test	soa_server1	10.180.35.8 🔻	8001			SOA-MGD
Database Configuration Type	obphumantask_server1	10.180.35.8 💌	9001 9003		9002	Unspecified
Component Datasources	bam_server1	10.180.35.8	9003	✓	9004	BAM12-M
JDBC Test						
Advanced Configuration						
Managed Servers						
Managed Servers						
_						
<u>Clusters</u>						
Clusters Server Templates						
Clusters Server Templates Coherence Clusters						
Clusters Server Templates Coherence Clusters Machines						
Clusters Server Templates Coherence Clusters Machines Virtual Targets						
Clusters Server Templates Coherence Clusters Machines Virtual Targets Partitions						
Clusters Server Templates Coherence Clusters Machines Virtual Targets Partitions Deployments Targeting						
Clusters Server Templates Coherence Clusters Machines Virtual Targets Partitions Deployments Targeting Services Targeting						
Clusters Server Templates Coherence Clusters Machines Virtual Targets Partitions Deployments Targeting Services Targeting File Stores						

Fusion Middleware Configuration	Wizard - Page 11 o	f 24				
Clusters						
🐥 Update Domain	1					
Templates	* 📥 📥	🗙 <u>D</u> elete			🛛 🗐 Dis	<u>c</u> ard Changes
Datasources	Cluster Name	Cluster Address	Frontend Host	Frontend HTTP	Frontend HTTPS	Dynamic Server
GridLink DS	Cluster Name	Cluster Address	Frontend Host	Port	Port Port	Groups
JDBC DS Test	obphumantask_c			0	0	Unspecified 🖪
Database Configuration Type	bam_cluster1			0	0	Unspecified 🗖
Component Datasources	obpsoa_cluster1			0	0	Unspecified
JDBC Test						
Advanced Configuration						
 <u>Managed Servers</u> 						
Clusters						
Server Templates						
Dynamic Servers						
Assign Servers to Clusters						
Coherence Clusters						
Machines						
Virtual Targets						
Partitions	* *					
 Deployments Targeting 						
Services Targeting						
File Stores						
Configuration Summary						
Help	-			< <u>B</u> ack <u>N</u> e:	xt > Einish	Cancel

Figure 8–19 Clusters page

Figure	8-20	Server	Template	s page
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Fusion Middleware Configuration	Wizard - Page 12 of 24				— — X
Server Templates					
The Update Domain					
Templates	* 📥 <u>A</u> dd 🛛 💥 🛛	<u>elete</u>		9	Dis <u>c</u> ard Changes
Datasources	Name	Listen Port	Enable SSL	SSL Listen Port	Cluster
GridLink DS		Lioten fort		SSE LISCENT OIL	Chapter
UDBC DS Test	soa-server-template	7100		8100	Unspecified 🔹
Database Configuration Type					
Component Datasources					
UDBC Test					
Advanced Configuration					
Managed Servers					
<u>Clusters</u>					
Server Templates					
Dynamic Servers					
Assign Servers to Clusters					
<u>Coherence Clusters</u>					
<u>Machines</u>					
Virtual Targets					
Partitions	**				
Deployments Targeting					
Services Targeting					
<u>File Stores</u>					
Configuration Summary					
Help			< <u>B</u> ac	< <u>N</u> ext > <u>F</u> in	ish Cancel

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

Dynamic Servers								
	1						🗐 Dis <u>c</u> ard	Changes
Datasources							/ 510 <u>1</u> 010	
GridLink DS	Cluster Name	Server Name Prefix	Server Template	Maximum Dynamic	Machine Name	Calculated Machine	Calculated Listen Ports	Dynamic Cluster
	Name	Name Frenk	rempiace	Server	Match	Names		
JDBC DS Test				Count	Expression		✓	✓
Database Configuration Type	obphumanta		Unspecif•	0				Image: A state of the state
Component Datasources	bam_cluster obpsoa_clus		Unspecif▼ Unspecif▼	0			 ✓ ✓ 	 ✓ ✓
JDBC Test	obpsoa_ciu:		onspecii*	U			•	•
K Advanced Configuration								
Managed Servers								
<u>Clusters</u>								
Server Templates								
Dynamic Servers								
Assign Servers to Clusters								
Coherence Clusters								
Coherence Clusters Machines								
Machines								
Machines Virtual Targets	* *							
Machines Virtual Targets Partitions								
Machines Virtual Targets Partitions Deployments Targeting								

Figure 8–21 Dynamic Servers page

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

Figure 8–22 Assign Servers to Clusters page

Fusion Middleware Configuration	n Wizard - Page 14 of 24		X
Assign Servers to Cluster	3		
Update Domain	Servers	Clusters	
Templates Datasources GridLink DS JDBC DS Test Database Configuration Type Component Datasources JDBC Test JDBC Test Advanced Configuration Managed Servers Clusters	Servers	bam_cluster1 bam_server1 bphumantask_cluster1 opphumantask_server1 oppsoa_cluster1 so_soa_server1	
 <u>Server Templates</u> <u>Dynamic Servers</u> 			
Assign Servers to Clusters			
<u>Coherence Clusters</u> <u>Machines</u> <u>Virtual Targets</u>			
Partitions Deployments Targeting Services Targeting File Stores Configuration Summary	Select one or more servers in the left pane and one cluste (>) to assign the server or servers to the cluster.	er in the right pane. Then use the i	ight arrow button
Help		< <u>B</u> ack <u>N</u> ext > <u>F</u> inish	Cancel

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

Fusion Middleware Configuration	n Wizard - Page 15 of 24		
Coherence Clusters			
	1		is <u>c</u> ard Changes
Templates			isgara changes
Datasources	Cluster Name	Cluster Listen Po	ort
GridLink DS	defaultCoherenceCluster	7574	
UDBC DS Test			
Database Configuration Type			
Component Datasources			
<u>JDBC Test</u>			
Advanced Configuration			
Managed Servers			
<u>Clusters</u>			
Server Templates			
Dynamic Servers			
Assign Servers to Clusters			
Coherence Clusters			
 <u>Machines</u> 			
 <u>Virtual Targets</u> 			
Partitions			
 Deployments Targeting 			
Services Targeting	-		
File Stores			
Configuration Summary			
Help		< <u>Back</u> <u>N</u> ext > <u>Finis</u>	h Cancel

Figure 8–23 Coherence Clusters page

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

Figure 8–24 Machines page

Fusion Middleware Configuration	wizard - Page 16 of 25						
Machines							
Update Domain	1						
Templates	Machine Unix Mach	hine					
Datasources	🕂 <u>A</u> dd	<u>D</u> elete				🧳 Di	s <u>c</u> ard Changes
GridLink DS	Name	Enable	Post Bind	Enable	Post	Node Manager Lis	ten Node
UDBC DS Test	Name	Enable	GID		Bind UID	Address	Manager
<u>Database Configuration Type</u>	soa_machine1		nobody		nobody	localhost	▼ 5556
Component Datasources						ι	
UDBC Test							
Advanced Configuration							
Managed Servers	a						
Clusters	8						
Server Templates							
Unamic Servers							
Assign Servers to Clusters							
Coherence Clusters							
Machines							
Assign Servers to Machines							
Virtual Targets	· ·						
Partitions							
Deployments Targeting							
Services Targeting							
File Stores							
Help				<	Back 1	<u>v</u> ext > <u>E</u> inisł	Cancel

28. Click Next.

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

Eusion Middleware Configuration		
Assign Servers to Machines		FUSION MIDDLEWARE
A Update Domain	Servers	Machines
Update Domain Image: Constraint of the second s	Servers AdminServer AdminServer Select one or more servers in the left pane and on button (>) to assign the server or servers to the m	 Unix Machine Soa_machine1 bam_server1 obphumantask_server1 soa_server1
Deployments Targeting Services Targeting File Stores		
		< <u>B</u> ack <u>N</u> ext > <u>Finish</u> Cancel

Figure 8–25 Assign Servers to Machines page

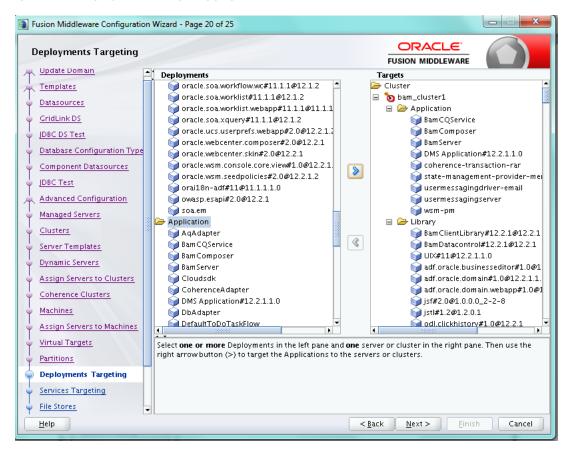
Figure a	8–26	Virtual	Targets	page
----------	------	---------	---------	------

Fusion Middleware Configuration W	izard - Page 18 of 25					
Virtual Targets						
Update Domain						
Templates	📥 <u>A</u> dd 🛛 🗶	<u>D</u> elete			🧳 Dis <u>c</u> ard	Changes
Datasources	Name	Target	Host	URI Prefix	Explicit	Port Offset
GridLink DS		. a. get	Names		Port	
JDBC DS Test						
Database Configuration Type						
Component Datasources						
JDBC Test						
Advanced Configuration						
Managed Servers						
Clusters						
Server Templates						
Dynamic Servers						
Assign Servers to Clusters						
Coherence Clusters						
Machines						
Assign Servers to Machines						
🔶 Virtual Targets 🎽	•					
Partitions						
Deployments Targeting						
Services Targeting						
🖕 <u>File Stores</u>						
Help			< <u>B</u> a	ck <u>N</u> ext >	Einish	Cancel

Fusion Middleware Configuration	Wizard - Page 19 of 25	
Partitions		
Update Domain		
Templates	Add X Delete	is <u>c</u> ard Changes
Datasources	Name	
GridLink DS		
UDBC DS Test		
Database Configuration Type		
Component Datasources		
UDBC Test		
Advanced Configuration		
Managed Servers		
Clusters		
🧅 Server Templates		
Upnamic Servers		
Assign Servers to Clusters		
Coherence Clusters		
🧅 <u>Machines</u>		
Assign Servers to Machines		
Virtual Targets		
Partitions		
Deployments Targeting		
Services Targeting		
File Stores		
Help	< <u>B</u> ack <u>N</u> ext > <u>F</u> inis	n Cancel

Figure 8–27 Partitions page

Figure 8–28 Deployments Targeting page



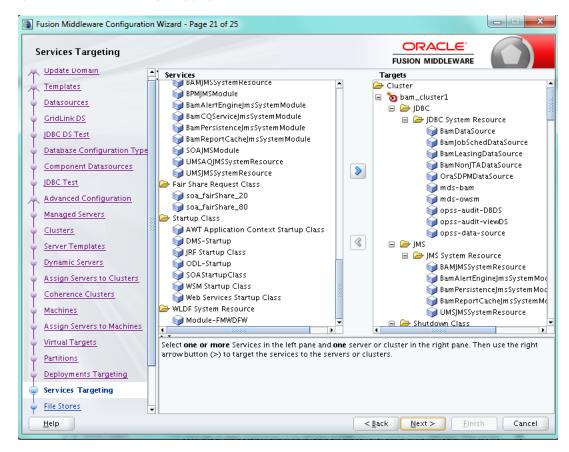


Figure 8–29 Services Targeting page

Figure 8–30 File Stores page

File Stores			
Update Domain	-1		
<u>Templates</u>			🔊 Dis <u>c</u> ard Changes
Datasources	Name	Directory	Synchronous Write Policy
GridLink DS	mds-owsm	store/gmds	Unspecified
JDBC DS Test	mds-soa	store/gmds/mds-soa	Unspecified
Database Configuration Type	UMSJMSFileStore_auto_1	UMSJMSFileStore_auto_1	Unspecified
Component Datasources	BPMJMSFileStore_auto_1	BPMJMSFileStore_auto_1	Unspecified
	SOAJMSFileStore_auto_1	SOAJMSFileStore_auto_1	Unspecified
JDBC Test	UMSJMSFileStore_auto_2	UMSJMSFileStore_auto_2	Unspecified
Advanced Configuration	BamPersistenceJmsFileStore_auto_1	BamPersistenceJmsFileStore_auto_1	Unspecified
Managed Servers	BamReportCacheJmsFileStore_auto.	BamReportCacheJmsFileStore_auto_	Unspecified
<u>Clusters</u>	BamAlertEngineJmsFileStore_auto_:	BamAlertEngineJmsFileStore_auto_1	Unspecified
Server Templates	BAMJMSFileStore_auto_1	BAMJMSFileStore_auto_1	Unspecified
Dynamic Servers	BamCQServiceJmsFileStore	BamCQServiceJmsFileStore	Unspecified
Assign Servers to Clusters			
Coherence Clusters			
<u>Machines</u>			
Assign Servers to Machines			
Virtual Targets	**		
Partitions			
Deployments Targeting			
Services Targeting			
File Stores	-		

35. Click Next.

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

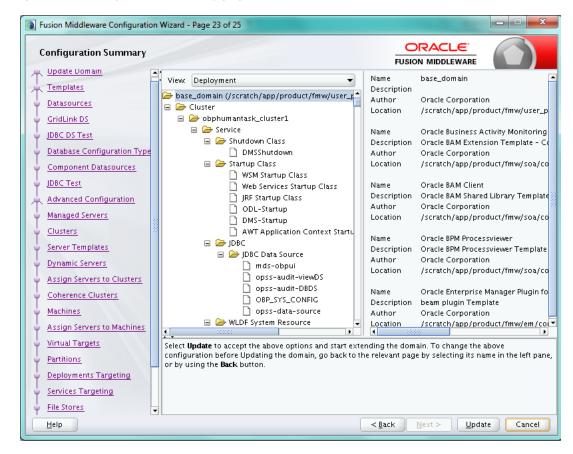


Figure 8–31 Configuration Summary page

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

Figure 8–32 Configuration Progress page

	Fusion Middleware Configuration Wi	zard - Page 24 of 25	100000-000	
	Configuration Progress			
4	Update Domain			
1	Templates	1	00%	
þ	Datasources	A Destaura d'Intéritation		
		Backup & Initialization OPSS Processing		
		OWSM Processing		
		Security Processing		
		Artifacts Generation Post Processing		
	Component Datasources			
ΙŶ	JDBC Test			
19	Advanced Configuration			
Ý	Managed Servers			
ļģ	Clusters			
6	Server Templates			
	Dynamic Servers			
6	Assign Servers to Clusters			
0	Coherence Clusters			
0	Machines			
0	Assign Servers to Machines			
	Virtual Targets	•		
	Partitions			
	Deployments Targeting			
ļ	Services Targeting			
0	File Stores			
Ċ	Help		< <u>B</u> ack <u>N</u> ext > <u>F</u> inis	h Cancel

- Fusion Middleware Configuration Wizard Page 25 of 25 ORACLE End Of Configuration FUSION MIDDLEWARE A Update Domain C Templates **Oracle Weblogic Server Configuration Succeeded** Existing Domain base_domain Update Succeeded Datasources Domain Location /scratch/app/product/fmw/user_projects/domains/base_domain GridLink DS Admin Server URL JDBC DS Test http://10.180.35.8:7001/console Database Configuration Type Component Datasources IDBC Test Advanced Configuration Managed Servers Clusters Server Templates Dynamic Servers Assign Servers to Clusters Coherence Clusters Machines Assign Servers to Machines Virtual Targets Partitions Deployments Targeting Services Targeting File Stores < <u>B</u>ack $\underline{N}ext >$ <u>F</u>inish Cancel <u>H</u>elp
- Figure 8–33 End of Configuration page

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

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

```
</file-store>
```

8.2 Post Installation Configuration

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

Checklist for Post Installation Procedure

Before proceeding with the post installation, ensure the following:

1. Apply the grant on middleware home through WLST.

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

Example:

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

2. Start the admin server.

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

3. Start the managed server "bam_server1".

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

Post Installation Configuration

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

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

\$cd <middleware home>

2. Run the script by:

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

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

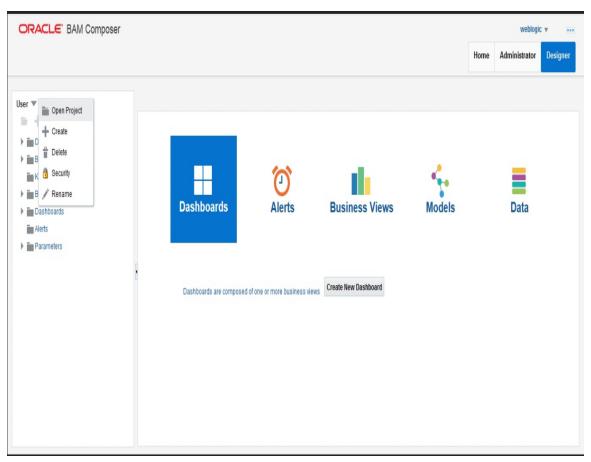
\$cd <MIDDLEWARE_HOME>/user_projects/domains/domain_name/bin
\$./startManagedWebLogic.sh <managed server name>
t3://localhost:<admin server port>

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



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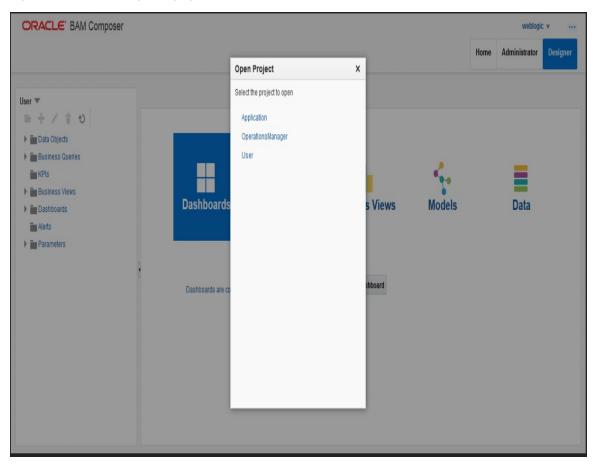


Figure 8–36 BAM Composer page

9 Standalone Database Setup

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

Note

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

9.1 Pre-Installation Steps

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

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

9.2 Oracle Banking Platform Database Setup – RCU Installation

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

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

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

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

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

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

UI_MDS and UI_STB schemas are used by UI component.

HOST_MDS and HOST_STB schemas are used by HOST component.

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

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

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

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

Figure 9–1 Host DB Schema Setup Confirmation

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ATMUSER OUTBOUND USERNAME	: atmuserweblogic				
ATMUSER OUTBOUND PASSWORD	: weblogic1				
POSUSER_OUTBOUND_USERNAME	: posuserweblogic				
POSUSER_OUTBOUND_PASSWORD	: weblogic1				
DMSHOST_OUTBOUND_USERNAME	: dmshostweblogic				
DMSHOST_OUTBOUND_PASSWORD	: weblogic1				
DMSUI_OUTBOUND_USERNAME	: dmsuiweblogic				
DMSUI_OUTBOUND_PASSWORD	: weblogic1				
KEYSTORE_PASSWORD	: welcome1				
UCM_READ_FROM_URL	: true				
UCM_IP	: ofss.ucm.com				
UCM_PORT	: 4444				
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Please Wait while the installab	oles are copied onto the servers.				
	vices attached to this computer a				
information systems accessed fr confidential.	com this point contain informatio	n that is			
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Your use of (and related activi	ties in connection with) these f	acilities is			
recorded and may be reviewed at	any time.				
For Support You may Contact,					
InfraStructure Team					

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	com this point contain informatio				
confidential.					
Your activities and use of thes					
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9.3 Host DB Schema Creation and Verification

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

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

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

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

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

createobp.sql execution

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

9.4 HOST DB schema ddl execution

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

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

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

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

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

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

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

9.5 HOST DB Schema Seeding

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

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

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

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

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

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

Note

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

9.6 System Configuration DB Update Script Execution

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

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

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

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

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

9.7 Database Table Partitioning

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

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

10 Oracle Banking Platform and IPM Integration

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

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

- Section 10.1 IPM Application Setup for OBP Content Management
- Section 10.2 IPM Configuration for Bulk Upload Process Setup
- Section 10.3 IPM Report Upload Setup

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

10.1 IPM Application Setup for OBP Content Management

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

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

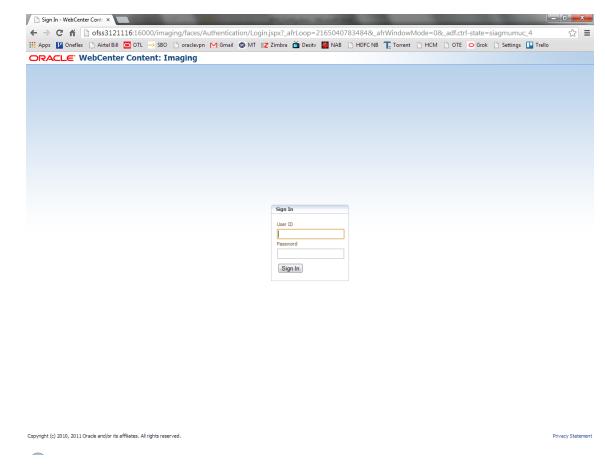
10.1.1 UCM Connection

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

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

http:// hostname:16000/imaging

Figure 10–1 IPM Imaging Console - Login page



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

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Manage Connections					
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Figure 10–2 IPM - Welcome page

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

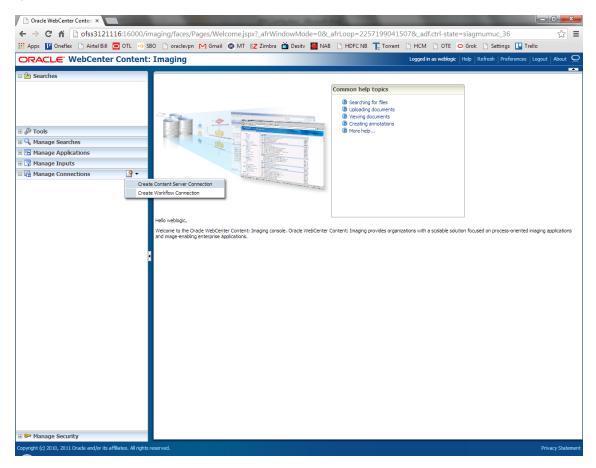


Figure 10–3 Create Content Server Connection

4. Enter the name and description of UCM Connection.

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Figure 10–4 UCM: Basic information

5. Provide the connection settings for the content server.



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

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Figure 10–6 UCM: Connection Security

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

Figure 10–7 UCM: Review Settings

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10.1.2 Main Application Configuration

The documentation for Oracle IPM should be referred to for details on how to create applications in IPM. For more information, see https://docs.oracle.com/cd/E14571_01/admin.1111/e12782/c04_ applications.htm#IPMAD159.

Create a main application and a temporary application in IPM.

10.1.2.1 Manage Application Configuration

To manage application configuration:

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

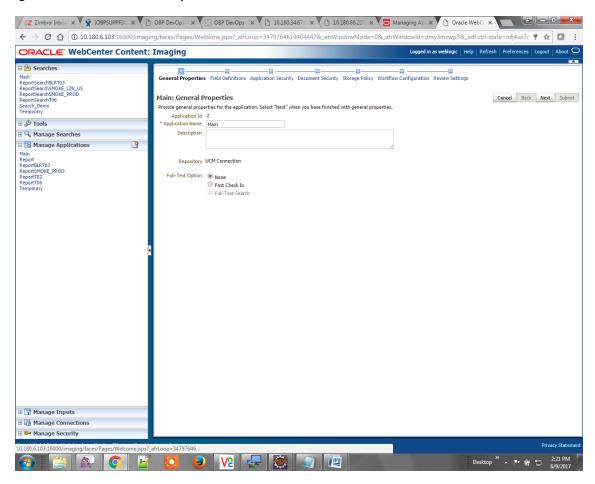


Figure 10-8 Main: General Properties

3. Enter the field definition details and click Next.

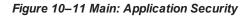
Figure 10–9 Main: Field Definitions

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eport	Abc	Document Descrip	80 🗘		a	/ % 💠 / %
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Manage Security						

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		Abc	ACCOUNT_ID	80 🗘			1		/ 2 💠 / 2
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		111	rou make changes to I	me riela aerihiti	ions, you may hav	re to reao you	i work in t	ne worknow Configuration step.	

Figure 10–10 Field Definitions (cont.)

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



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a 🖙 Manage Inputs a 🕞 Manage Connections ➡ Manage Security											

Figure 10–12 Main: Document Security

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

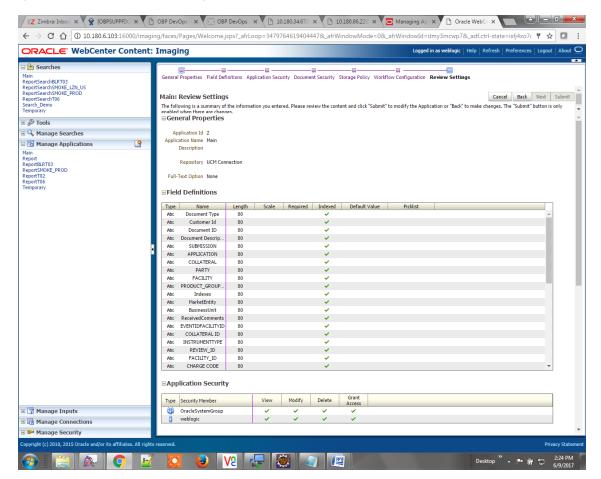
Figure 10–13 Main: Storage Policy

ORACLE WebCenter	Content	Imaging	Logged in as weblogic Help Refresh Preferences Logout About
	content		
		General Properties Field Definitions Application Security Document Security Storage Policy Main: Storage Policy	Workflow Configuration Review Settings
Search_Demo Temporary		Provide storage policy information for the application's content. Select "Next" when you have finishe Document Storage	d with storage policy.
🗉 🖗 Tools		Volume File default	
🗉 🔍 Manage Searches		Supporting Content Storage	
Manage Applications Main	9	Volume File default	
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Manage Connections Manage Security	_		
 Hanage Security 			

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

8. Review the summary and click Submit.

Figure 10–14 Main: Review Settings



10.1.2.2 Manage Searches

To manage searches:

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

Figure 10–15 Main: Properties

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← → C ☆ ③ 10.180.6.103:16000/imagi	ng/faces/Pages/Welcome.jspx?_afrLoop=3479764619404447&_afrWindowMode=0&_afrWin	dowId=dmy3mcwp7&_adf.ctrl-state=isfj4xo7 (📍 😭 🚦
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- 2. Click Next.
- 3. Select the source application along with its field details in the Results Formatting page.

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- Figure 10–16 Main: Results Formatting

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

Figure 10–17 Main: Conditions

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

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& Tools		Parameter Name	Prompt Text	Operator Text	Default Value		Picklist	Required	Read C
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ain eport eportBLRT03 eportSMOKE_PROD eportT02 eportT06	9								

Figure 10–18 Main: Parameters

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

Figure 10–19 Main: Search Security

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

Figure	10-20	Main:	Preview	and	Test
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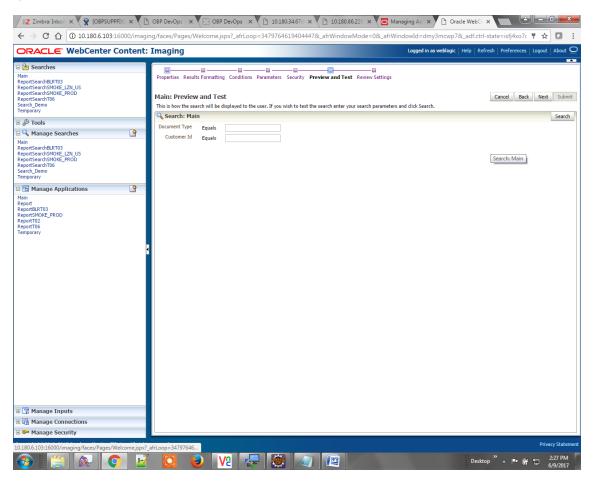


Figure 10–21 Main: Review Settings

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10.1.3 Temp Application Configuration

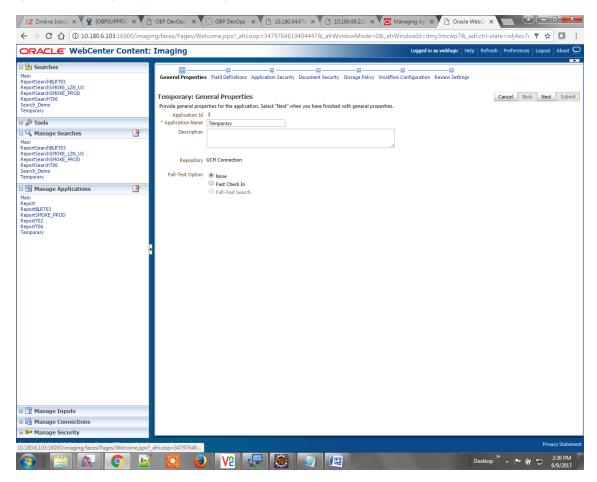
This section provides details about the temp application configuration.

10.1.3.1 Manage Application Configuration

To manage application configuration:

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

Figure 10–22 Temporary: General Properties



3. Enter the field definition details and click Next.

Figure 10–23 Temporary: Field Definitions

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		ging				
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portSearchSMOKE_LZN_US portSearchSMOKE_PROD	Abc	Document Descrip	80 🗘		Ø 88 💠	0 8
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in port portBLRT03	Abc	BORROWING ENTI COLLATERAL ID	80 -		/ % + / % +	
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4. In Application Security and Document Security pages, select the access rights for users and click **Next.**

Figure 10–24 T	<i>Cemporary:</i>	Application	Security
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tain eportSearchBLRT03 eportSearchSH0KE_LZIV_US eportSearchSH0KE_FROD eeportSearchT06 search_Demo femporary	General Properties Field Definitions Applic Temporary: Application Security Provide security rights for the application's del Add \@ Copy & Remove	cation Security Document Security Storag	pe Policy Workflow Configuration Review Settings with application security.
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Manage Inputs			
Manage Connections			
Manage Security			

Figure 10–25 Temporary: Document Security

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🕼 Manage Inputs	_											
Manage Connections												

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

Figure 10–26	Temporary:	Storage	Policy
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ORACLE WebCenter	Content: Imaging	Logged in as weblogic Help Refresh Preferences Logout About
Searches Searches	General Properties Field Definitions Application Security II Temporary: Storage Policy Provide storage policy information for the application's content Document Storage Volume Field efault Volume Field efault Vol	Document Security Storage Policy Workflow Configuration Review Settings Cancel Back Next Subm Cancel Next* when you have finished with storage policy.
Search_Demo Temporary		
Vain ReportEXTUD ReportEXTUD ReportSNKE_PROD StepartTio Temporary		
Manage Inputs		
Manage Connections		
🗁 Manage Security		

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

Figure 10–27 Temporary: Review Settings

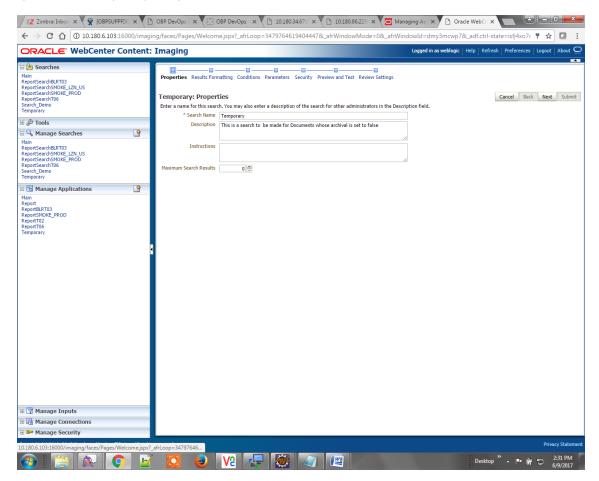
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🕼 Manage Inputs	Storage Policy												

10.1.3.2 Manage Searches

To manage searches:

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

Figure 10–28 Temporary: Properties



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

Figure 10–29 Temporary: Results Formatting

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Manage Inputs Manage Connections Manage Security 0.1806.10316000/maging/faces/Pages	Welcome,jspx?	_sfrLoop=34797645 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Privacy Stater 2 ■ Privacy Stater 5 (97) 021 5 (97) 021

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

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Searches Main ReportSearchBURT03 ReportSearchBURT03 ReportSearchSUNDE_EX2U US ReportSearchSUNDE_RPOD ReportSearchBURD at Temportary at Temportary at ReportSearchBURT03 ReportSearchBURT03 ReportSearchBURT05 ReportSearchSUNDE_EX2U US ReportSearchBURDE_RPOD	Properties Results Formatting Conditions Select the conditions vou want to use to find the conditions of the conditions of the conditions of the conditions of the condition of			Cance	
ReportSearchT06 Search_Demo Temporary	Search Conditions	[]	<u> </u>		
	Application: Temporary Field Document Type Customer Id Document Description	Operator Equals Equals Equals Equals	Value Parameter - Document Type Parameter - Customer Id Parameter - Document Description		Conjunction Or Or
🗁 Manage Security					

Figure 10–30 Temporary: Conditions

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

Figure 10–31 Temporary: Parameters

DRACLE [.] WebCenter Co	ontent: Imaging				Logged in as weblogic Help Refresh	Preferences	Logout	
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eport eportBLRT03 eportSMOKE_PROD eportT02 eportT06	9							

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

Figure 10–32	Temporary:	Search	Security
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6. Review the summary and click **Submit.**

Figure 10–33 Temporary: Preview and Test

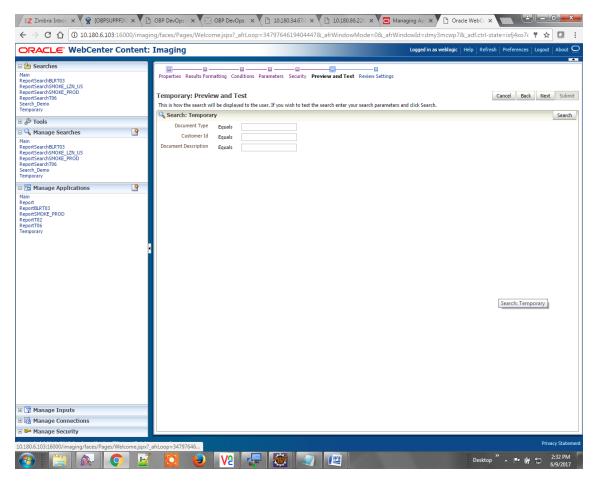


Figure 10–34 Temporary: Review Settin

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

Note

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

SQL for Main Application

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

SQL for Temp Application

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

10.2 IPM Configuration for Bulk Upload Process Setup

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

This upload takes place in the following steps:

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

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

10.2.1 Prerequisites

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

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

10.2.2 Setting up the Connection Name

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

To set up a bulk process:

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

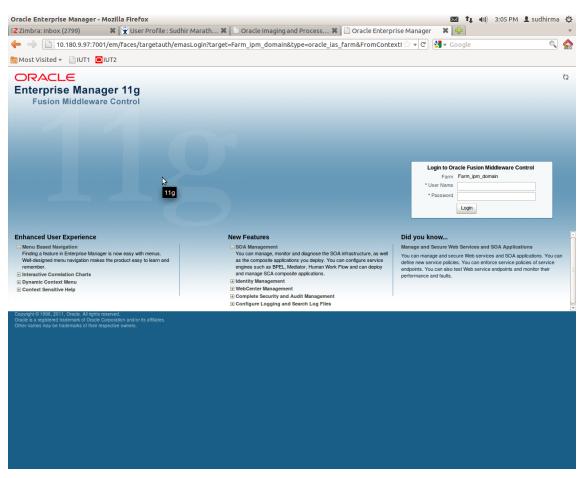
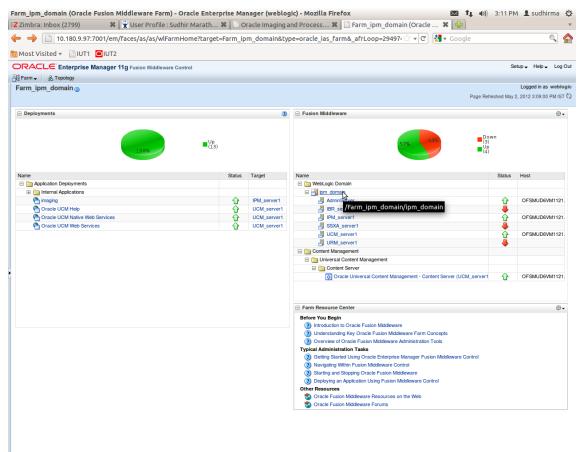


Figure 10–35 EM Console Login

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





http://10.180.9.97:7001/em/faces/as/as/...indowMode=0&_afrWindowId=u3eep7pw7_90#

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

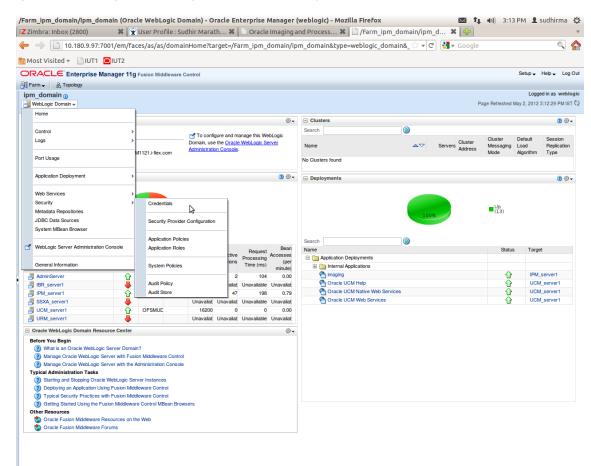
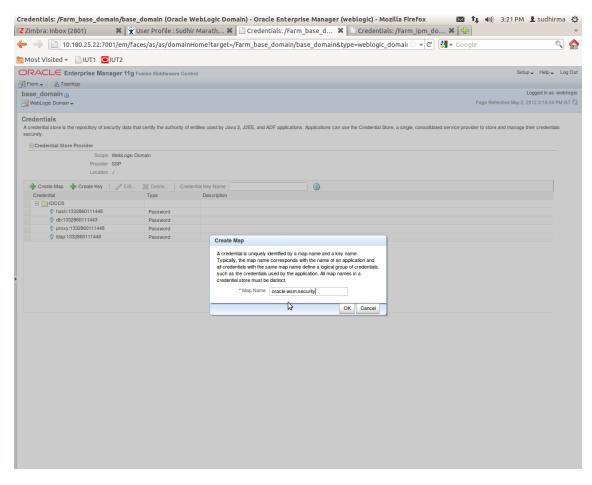


Figure 10–37 Navigate to Weblogic Domain --> Security --> Credentials

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

Figure 10–38 Create Map oracle.wsm.security



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

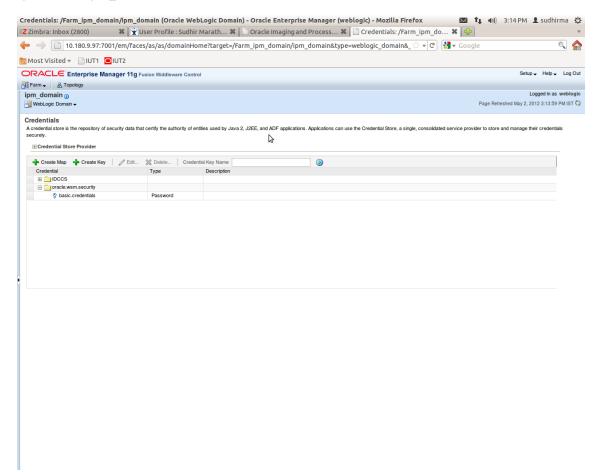
Figure 10–39 Create Key basic.credentials

Credentials: /Farm_base_dom	ain/base_domain (Orac	le WebLogic Doma	ain) - Oracle Enterprise Manager (weblogic) - Mozilla Firefox 🛛 🛛 😰 🎝 3:26 PM 👤 sudhirma 🖏
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base_domain ()			Logged in as weblogic
WebLogic Domain 🗸			Page Refreshed May 2, 2012 3:18:04 PM IST 🔇
(i) Information The credential map, oracle.wsm.sec	urity, has been created.		X
Credentials A credential store is the repository of sec securely.	curity data that certify the authorit	y of entities used by Java 2	2, J2EE, and ADF applications. Applications can use the Credential Store, a single, consolidated service provider to store and manage their credentials
Credential Store Provider			
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Provider			
Location	./		
👍 Create Map 🛛 🖨 Create Key	/ Edit 💥 Delete	Credential Key Name	
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		* Confirm Password	
		Description	Password for connecting to admin server.
			OK Cancel

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

10. Click Ok. The key is saved.

Figure 10–40 ipm_domain: Credentials Created



10.2.3 Setting up Input Agent Path

To set up input agent path:

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

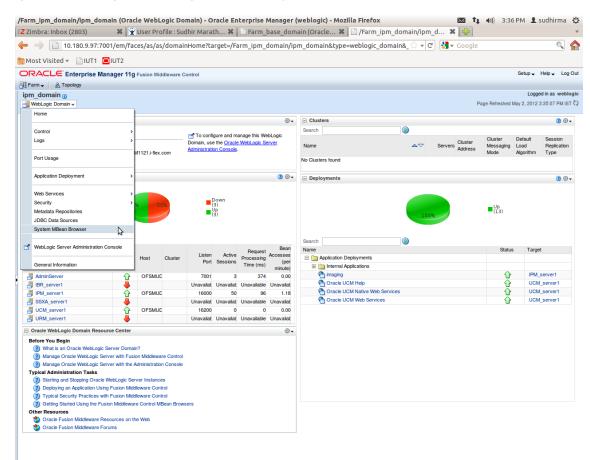


Figure 10–41 Navigate to Weblogic Domain --> System MBean Browser

- 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.

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EMDomain		3 CheckInterval	Configures how often (in minutes) input agent checks for	RW	15		
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🕀 🚞 com.oracle.igf	0	4 CleanupExpireDays	Configures how many days files will remain in the Input Agent Holding directory	RW	0		
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com.oracle.jdbc		5 CleanupFileExclusionList	Agent Holding directory. File paths must be exact matches to	RW			
E Com.oracle.jps			these values.				
com.oracle.jrockit com.sun.management		6 DefaultColorSet	Name of default skin used by UI if user has not set a	RW			
E Com.sun.xml.ws.transport.h	ttp		preference. The default security group to use for document security				- 11
E Com.sun.xml.ws.util		7 DefaultSecurityGroup	when creating an application	RW			
E 🚞 emoms.props		8 DocumentFileTimeout	The timeout in mSec for any repository operations like	RW	2000000		
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🗄 🚞 java.lang		9 GDFontPath	Path referencing a location containing TTF font files for use	RW	/usr/share/X11/fonts/TTF		
🗷 🚞 java.util.logging		9 GDFontPath	by OIT rendering package. Takes effect on session bean initialization.	HW	/usr/share/X11/tonts/TTF		
oracle.adf.share.config oracle.adf.share.connection			Controls how many times a job can be retried. The default is	RW	3		
oracle.as.util	°	10 InputAgentRetryCount	3; on the 4th try the job is placed in the failed directory.	HW	3		
oracle.bc4j.mbean.config		11 InputDirectories	Provides list of directories stored as CSV strings where input	RW	/home/oracle/testinputagent/inputdir1		=
🗷 🧰 oracle.dfw		12 IPMVersion	sources should look for work. Takes effect immediately. The I/PM version number.	R	11.1.1.5.0 (110426.1700.11020)		- 11
🕀 🚞 oracle.dms		13 JpegImageQuality	Specifies desired quality level of rendered JPG images	RW	100		
🚞 oracle.dms.event.config		13 SpegimageQuality	Provides detailed logging of UI activity with durations of many	PLVV	100		- 1
oracle.imaging		14 LogDetailedTimes	of the UI activities. Takes effect at server restart.	RW	false	•	
Server: IPM_server1 E image cmd			Maximum number of rows a search is allowed to return. After				
E Cind		15 MaxSearchResults	this value is reached, the search is stopped. Takes effect on	RW	100		
			next search. Forces the use of SSL in all web service communication				
II ipmt2p		16 RequireBasicAuthSSL	when set to true	RW	false	•	
	aging:Location=IP	M_server1,type=config	Specifies which directory holds the sample data for the input	BW	IPM/InputAgent/Input/Samples		
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oracle.jocssl		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.	в	262:39:59		
oracle.jrockit.management		10 Optimo	Causes the advanced viewer to be used as the default	•	202.03.03		
Image: Second		20 UseAdvancedAsDefaultViewerMod	e viewer mode if a user has not set a preference. Takes effect	RW	false	•	P
oracle.mds.lcm			at next login			_	1

Figure 10–42 InputDirectories: Enter Input Agent Path

7. Restart IPM server.

10.2.4 Create SOA Connection

To create a SOA Connection:

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

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Figure 10–43 Manage Connections: Create Workflow Connection

3. Click Create Workflow Connection.

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

OBP_IPM_SOA_CONN_NAME SOA_MANAGED_SERVER_LISTEN_ADDRESS

SOA_MANAGED_SERVER_LISTEN_PORT

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

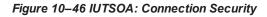
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🖻 🖻 Manage Applications 🛛 🗳	Connection Type Workflow Connection	
T12MAIN Temporary		
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🗄 🚰 Manage Security		
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5. In the **HTTP Front End Address** field, enter the value for SOA server.

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Figure 10–45 IUTSOA: Workflow Settings

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



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

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Figure 10–47 IUTSOA: Review Settings

10.2.5 Manage Workflow Configuration

To manage workflow configuration:

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

Figure 10–48 Main: Application Summary

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

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Figure 10–49 Manage Applications - Server Properties

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

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Figure 10–50 Manage Applications - Component Properties

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

Note

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

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Figure 10–51 Manage Applications - Payload Properties

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

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Figure 10–52 Manage Applications - Workflow Configuration

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

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Figure 10–53 Field Definitions

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

Figure 10–54 Main: Application Summary

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10.2.6 Manage Inputs for Input Agents

To manage workflow configuration:

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

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Figure 10–55 Input Agent: Basic Information

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



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5. Upload the attached sample file.

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

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

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

select prop_value from flx_fw_config_all_b where category_id = 'reports' and prop_id='BULK_ UPLOAD FILE NAME PREFIX';

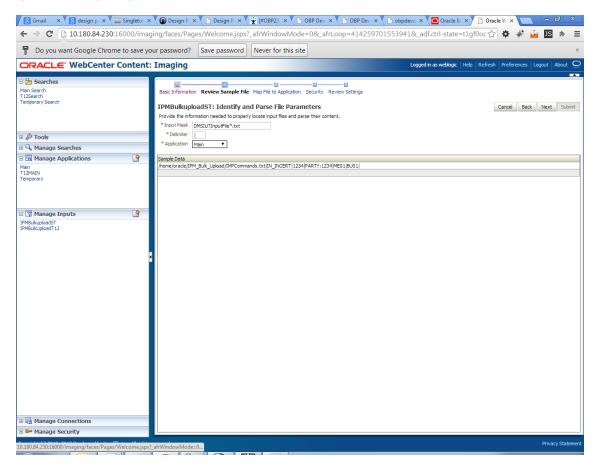
Note

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

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

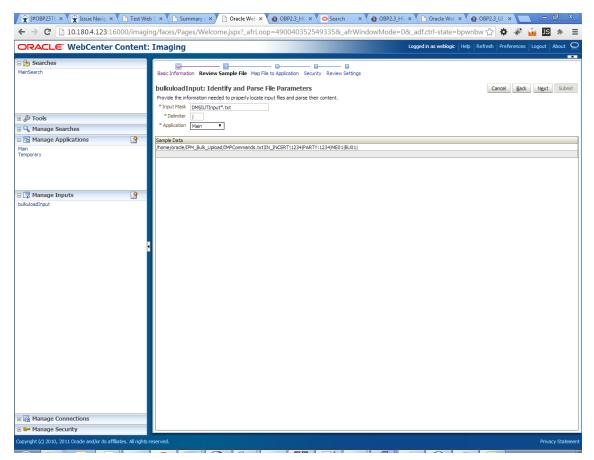
8. From the Application field, select the application to which the input agent will be applied.

Figure 10–57 Input Agent: File Parameters



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





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

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Figure 10–59 Input Agent: Summary

Note

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

10.2.7 Additional Steps

1. Update user and bankcode as follows:

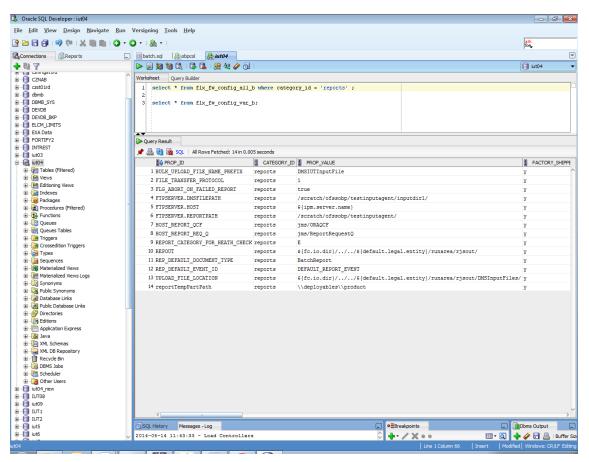
```
update flx_fw_config_all_b set prop_value='48' where prop_
value='335' and category_id like 'contentmanager%';
update flx_fw_config_all_b set prop_value='ofssuser' where
prop_id='userId' and category_id like 'contentmanager%';
```

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

Table 10–1 PROP ID Values

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

Figure 10–60 flx_fw_config_all_b table



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

10.2.8 SSL Handshake Resolution

For resolving the SSLHandshake between IPM and SOA server:

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

Copy certificate at following path on IPM server.

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

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

Security for called method

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

Figure 10–61 SSL Handshake Resolution

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10.3 IPM Report Upload Setup

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

10.3.1 Prerequisites

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

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

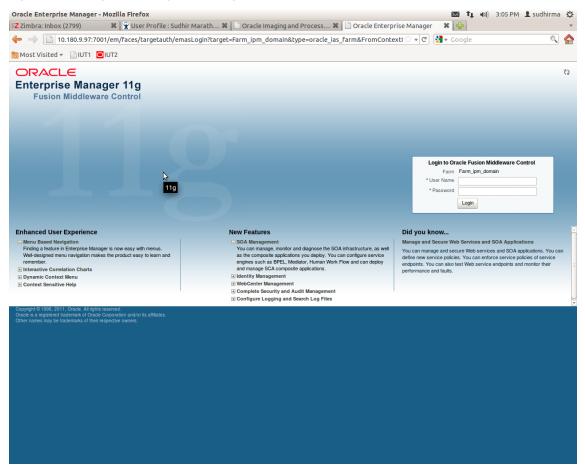
10.3.2 Setting up the Connection Name

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

To set up a bulk process:

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

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



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

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Figure 10–63 Click Weblogic Domain: ipm domain

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

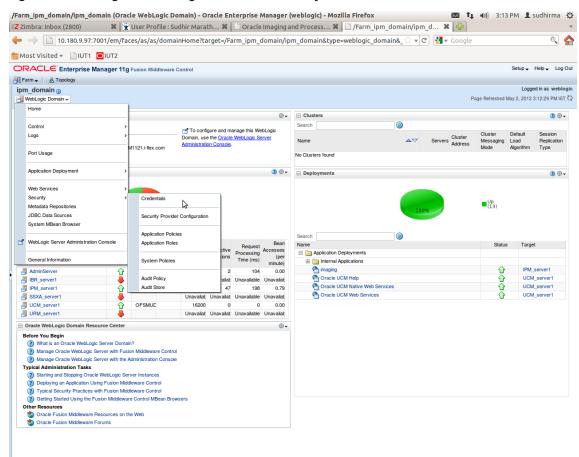
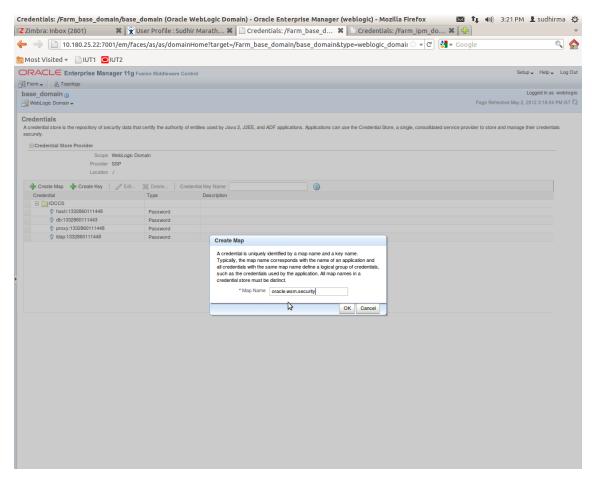


Figure 10–64 Navigate to Weblogic Domain --> Security --> Credentials

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





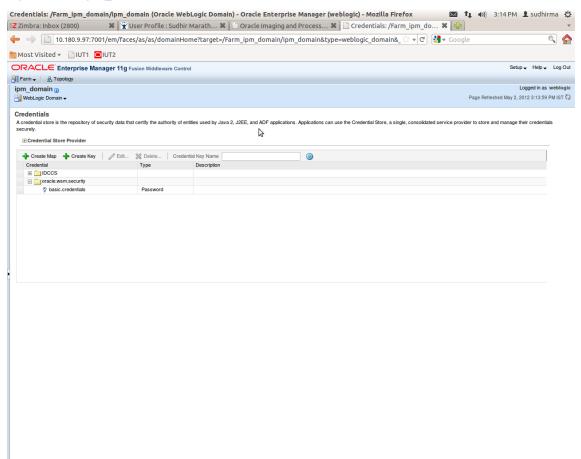
6. Click Create Key to create a key under the map oracle.wsm.security.

Figure 10–66 Create Key: basic.creder	tials
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- 7. In the **Key** field, enter the key name as basic.credentials.
- 8. In the **Type** field, select the value as Password.
- 9. Enter the other required details.
- 10. Click **Ok.** The key is saved.

Figure 10-67 ipm_domain: Credentials Created



10.3.3 Setting up Input Agent Path

To set up input agent path:

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

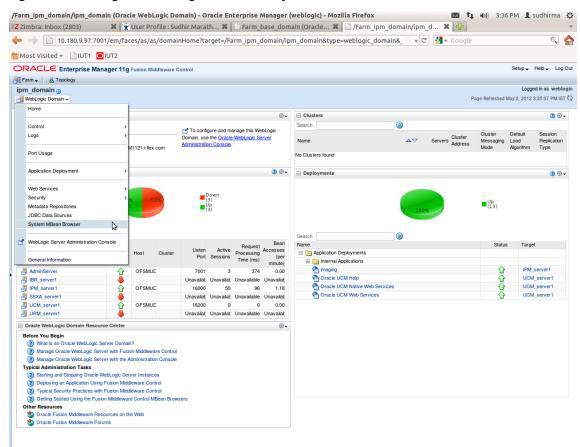


Figure 10–68 Navigate to Weblogic Domain --> System MBean Browser

- 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.

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🕀 🚞 EMDomain	3	CheckInterval	Configures how often (in minutes) input agent checks for	RW	15	\cap
🕀 🚞 com.oracle			work. Takes effect on the next check cycle. Configures how many days files will remain in the Input Agent			
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com.oracle.irm			Configures the filenames that will not be moved to the Input			
E com.oracle.jdbc	5	CleanupFileExclusionList	Agent Holding directory. File paths must be exact matches to	RW		
com.oracle.jps			these values.			
com.oracle.jrockit com.sun.management	6	DefaultColorSet	Name of default skin used by UI if user has not set a	RW		
com.sun.xml.ws.transport.htt	to .		preference.			
E Com.sun.xml.ws.util	7	DefaultSecurityGroup	The default security group to use for document security when creating an application	RW		
E i emoms.props			The timeout in mSec for any repository operations like		[
emomslogging.props	8	DocumentFileTimeout	create/update/move document	RW	2000000	
🗉 🚞 java.lang			Path referencing a location containing TTF font files for use			
🖭 🚞 java.util.logging	9	GDFontPath	by OIT rendering package. Takes effect on session bean	RW	/usr/share/X11/fonts/TTF	
🛃 🚞 oracle.adf.share.config			initialization. Controls how many times a job can be retried. The default is			
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oracle.dms	= 13	2 IPMVersion	The I/PM version number.	R	11.1.1.5.0 (110426.1700.11020)	
oracle.dms.event.config	13	3 JpegImageQuality	Specifies desired quality level of rendered JPG images	RW	100	
🖃 🚞 oracle.imaging	14	4 LogDetailedTimes	Provides detailed logging of UI activity with durations of many of the UI activities. Takes effect at server restart.	RW	false	•
Server: IPM_server1 Image: IPM_server1 Image: IPM_server1			Maximum number of rows a search is allowed to return. After			
E Config	18	5 MaxSearchResults	this value is reached, the search is stopped. Takes effect on	RW	100	
			next search.			
II ipmt2p	10	6 RequireBasicAuthSSL	Forces the use of SSL in all web service communication when set to true	RW	false	•
II 🗀 oracle.j2ee.co oracle.ima	aging:Location=IPM_	server1,type=config	Specifies which directory holds the sample data for the input			
🗉 🧰 oracle.joc	17	7 SampleDirectory	UI. Takes effect immediately.	RW	IPM/InputAgent/Input/Samples	
🗉 🚞 oracle.jocssl		8 TiffCompressionType	Compression algorithm used when creating TIFF images.	BW	LZW	
🗉 🚞 oracle.jrf			Takes effect each time a TIFF is generated.			
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oracle.logging	20	0 UseAdvancedAsDefaultViewerMode	viewer mode if a user has not set a preference. Takes effect at next login	RW	false	<u> </u>
📧 🚞 oracle.mds.lcm						0

Figure 10–69 InputDirectories: Enter Input Agent Path

8. Restart IPM server.

10.3.4 Create SOA Connection

To create a SOA Connection:

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

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Figure 10–70 Manage Connections: Create Workflow Connection

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

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Figure 10–71 IUTSOA: Basic Information

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

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Figure 10–72 IUTSOA: Workflow Settings

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

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Figure 10–73 IUTSOA: Connection Security

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

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Figure 10–74 IUTSOA: Review Settings

10.3.5 Manage Application Configuration

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

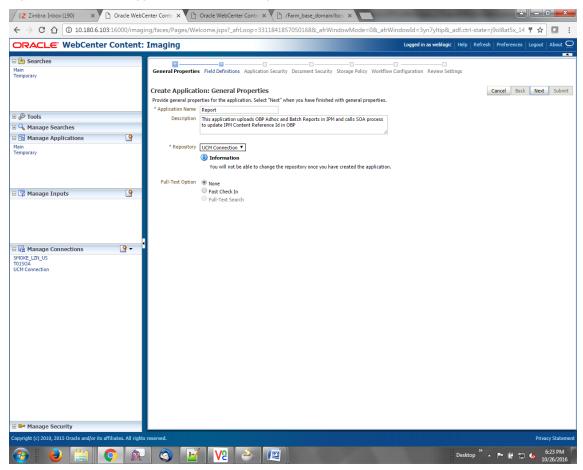


Figure 10–75 Create Application: General Properties

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

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∰ Manage Connections			ave to redo your work in the V	Vorkflow Configuration step.	

Figure 10–76 Report: Field Definitions

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

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Figure 10–77 Create Application: Applications Security

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

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Figure 10–78 Create Application: Document Security

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

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Figure 10–79 Create Application: Storage Policy

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

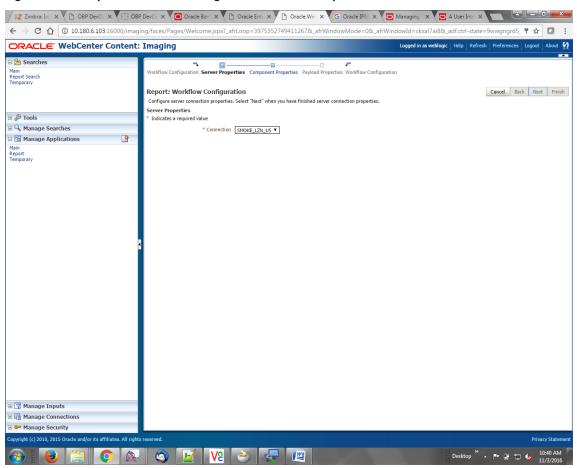


Figure 10–80 Report: Workflow Configuration - Server Properties

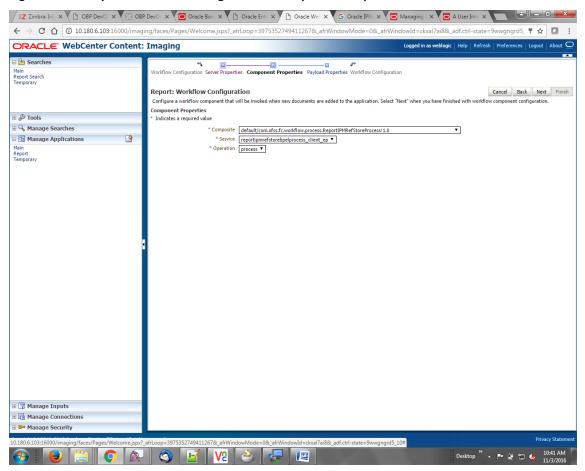


Figure 10–81 Report: Workflow Configuration - Component Properties

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Figure 10–82 Report: Application Summary

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

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Figure 10–83 Create Application: Review Settings

10.3.6 Manage Inputs for Input Agents

To manage workflow configuration:

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

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Figure 10–84 Manage Inputs

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

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Figure 10–85 Input Agent Details: Input Mask

5. Upload the sample file.

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

```
/home/oracle/reports/CH318153449.869.txt|10|BRN|0|0|GLBL_BU_
PB|1000|OFSSUser|2016031008493939|TD101|BOD|BRN_GRP_
1|20160131000000|2.IPM 314505|1010|
```

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

```
flx_fw_config_all_b
```

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

appended with name given in table flx_fw_config_var_b

select prop_value from flx_fw_config_var_b where prop_id = env.name;

Note

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

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

Figure 1	0–86 Input	Agent Details	: Field Mapping
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9. Select the access rights for user in the Security section and click Next.

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Figure 10–87 Input Agent Details: Security

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

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Figure 10–88 Input Agent Details: Review Settings

Note

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

10.3.7 Manage Searches

To manage searches:

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

Figure 10–89 Create Search: Properties

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

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Figure 10–90 Create Search: Results Formatting

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Figure 10–91 Create Search: Conditions

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■ ► Manage Security copyright (c) 2010, 2015 Oracle and/or its af	filiates. All right	s reserved.				11	#= %	_		cy Stater 5:43 PM

Figure 10–92 Create Search: Parameters

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

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Figure 10–93 Create Search: Security

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

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Figure 10–94 Create Search: Preview and Test

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		TRANSACTION_B	TRANSACTION										
		USER_ID ADHOC_REPORT	USER_ID ADHOC REPO	Equals RT Equals									
		REPORT ID	REPORT ID	Equals									
		REPORT_TYPE	REPORT_TYPE										
		BRANCH_GROUP	BRANCH_GRO										
		REPORT_RUN_DATE	CONTENT RE										

Figure 10–95 Create Search: Review Settings

10.3.8 Additional Steps

1. Update user and bankcode as follows:

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

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

PROP_ID	PROP_VALUE
FTPSERVER.DMSFILEPATH=/scratch/ofssobp/testinputagent/inputdir1/	Path in IPM config
FTPSERVER.REPORTPATH=/scratch/reports/	Path where files will be FTP
FTPSERVER.HOST	IPM IP
BULK_UPLOAD_FILE_NAME_PREFIX	Input Mask name

Table 10–2 PROP ID Values

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

- 3. FTP service on IPM server should be running and FTP user should be created on host user connectors.
- 4. For resolving the SSLHandshake between IPM and SOA server:
 - a. Save the SOA Server Certificate. SOA certificate needs to be saved in Base64 (.cer) format for import to IPM server.
 - b. Import the SOA server certificate on IPM server with following command.

Copy certificate at the following path on IPM server.

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

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

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

Security for called method

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

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

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Ca Manage Applications	* Service Coperation	
WSDL", caused by: javax.net.ssl.SSLHandshake to find valid certification path to requested targ sun.security.validator.ValidatorException: PKIX	path building failed: sun.security.provider.certpath.SunCertPathBuilderException: unable to find valid certification path to requested target certpath.SunCertPathBuilderException: unable to find valid certification path to requested target	
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🗄 👺 Manage Security		
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Figure 10–96 Component Properties

11 OBP and OCH-OSC Integration

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

11.1 OCH Server Configuration in OBP

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

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

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

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

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

Figure 11–1 OBP Admin Login

← → C A Not secure bttps://10.180.84.200.8002/com.ofss.fc.ui.view.admin/login.html	2	NEW	:	
Lick to go back, hold to see history], Imported From Firefo 📒 Imported From Fire 🕒 Settings 🗅 lightningnewtab 🎆 plus.maths.org 📒 Dev Tools 📒 Tips 📒 CS 📒 recipes 📒 JavaTips			>>	
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Username Password Sign In Use Virtual Keyboard VC: 2.60.00 Copyright 2011, 2017, Oracle and/or its affiliates. All rights reserved				
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2. Navigate to Configurations -> Configuration Variables Information (Fast Path: CFG01).

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			Configuration Variables Information								
			DMS Configuration								
			Outbound Maintenance								
			Seed Data Configuration								
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Figure 11–2 Navigate to Configurations

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

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	✓ Configuration Details								
·	Key	Value	Information						
	No data to display.								

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

Figure 11–4 Search och.*

		Date 16-Jan-2016		Fast Path	Q *	*- X	i -	OFSSUser	
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F	Key 🔺 🔻	Value	Information						
	och.server.name	10.180.6.38							
	och.server.port	7001							

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

Figure 11–5 Update Server IP and Port Values

Configuration Variables Inform	nation	Information ×	💼 Print 🗸 Ok 🖌 Clear 🗙
✓ Configuration Details		Messages for this page are listed below. Operation completed successfully. Transaction reference number :2016016001837975 K	Fetch Reco
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Key 🔺	Value	Information	
ch.server.name	10.180.6.38		
och.server.port	7001		

11.2 OCH Customizations for OBP Integration

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

11.2.1 Webservices

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

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

Figure 11–6 Administration - Business Process

Message:	p://ofss3131440.in.c	Inbound Web Servic	 		_			_	
	ration - We	ORACLE'	Edit View	Navigate	Query	Tools	Help		
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	Repository Workfl	ow Process							
 Work 	flow Instance Adn	nin							
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	Aggregate Data								
	Process Instance	S							
	Step Instances								
	flow Policies								
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	Actions								
	flow Policy Explor								
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- 3. Navigate to Workflow Deployment View > Repository Workflow Process.
- 4. Query (Alt+Q) for the following workflows:
 - UCM Financial Asset Customer Profile Integration SOAP Process
 - UCM Financial Asset Customer Profile Integration SOAP Query Process
 - UCM Organization Customer Profile Integration SOAP Process
 - UCM Organization Customer Profile Integration SOAP Query Process
 - UCM Person Customer Profile Integration SOAP Process

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

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(a) http://ofss3131440.in.oracle.com.7777/ucm_enu/start.swe?SWECm (b) Message: (c) Message: (c) Message:	nd=GotoView&S	WEView=Repository	/+Workflow+Pro	cess+Definition&SWERF=1&SV	VEHo= ofss3131440.in.or	acle.com&SWEBU=1& 👻 🖒	Search	_	۶	• ↑ ≯	r 🛱
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UCM Financial Asset Customer Profile Integration SOAP Quer 0	0			Universal Customer Master	r Active	12/31/2001 11:59:59 PM		None	0 - None	None	~
UCM Organization Customer Profile Integration SOAP Process 0	0			Universal Customer Master	r Active	12/31/2001 11:59:59 PM		None	0 - None	None	~

Figure 11–7 Repository Workflow Process

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



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Namespace		Name🔺 🔻	Status				Comment						
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						Address	Biotion				٩	0	1 - 2 of 2
Name	Туре		ss Service/Business	Process Name	Transport	Address	Binding		Con	mment	٩	0	1 - 2 of 2
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- 7. Set the Authentication for all the Services listed in step 9.
- 8. Query for the following:
 - PersonService
 - PersonCrossReferenceService
 - PersonMatchService
 - OrganizationService
 - OrganizationMatchService
 - OrganizationCrossReferenceService
 - FinancialAssetService
 - FinancialAssetCrossReferenceService
- 9. For each Inbound Web Service queried in the earlier step, in the Operations section and set the authentication to **Username/Password clear text.**

Figure 11–9 Operations - Set Authentication

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Inbound Web Services:	Fina ×	_		_			_	_	_	_
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10. Click Clear Cache.

11.2.2 System Registration

To register a new system:

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

Figure 11–10 System Registration

	ps://docs.oracle.com/cd/F63029_01/books/UCMSIA/UCM_SourceData21.html Q 🖈 1	640 L.		-
-	ninistration - Universal Customer Master screen, then the System Registrations view.			
In the System Register	strations view, click New.			
	te information in the available fields to define the system.			
	ormation on each of the fields.			
able 25. System Fields Field	Description			
	· · · · · · · · · · · · · · · · · · ·			
System ID	The System ID represents an identifier for a system that accesses Oracle Master Data Management Applications. This number can be an IP address or some other means to identify a system.			
System Name	The System Name is the name of the system that accesses Oracle Master Data Management Applications.			
Protocol Type	The protocol that a system uses to access Oracle Master Data Management Applications. Currently, this value is HTTP, MQSeries, or JMS.			
Queue Manager Name	The name of the queue manager that receives and sends messages from Oracle Master Data Management Applications. It is applicable only when the protocol type selected is MQSeries.			
Queue Receiver Channel	The name of the queue configured on the Queue Manager to receive requests and send responses. It is applicable only when the protocol type selected is MQSeries.			
URL	URL destination for posting responses to messages. Only applicable when protocol type is HTTP.			
Connection Factory	The name of the connection factory; that is, the connection to the JMS provider. It is applicable only when the protocol type selected is JMS.			
Send Queue	Specifies the JMS queue to which messages are sent. Send Queue is applicable only when the protocol type selected is JMS.			
Description	The description of the system accessing Oracle Master Data Management Applications.			
Comment	Comments regarding the system accessing Oracle Master Data Management Applications.			
ise the following task t	o delete a system from Oracle Customer Hub (UCM).			
o delete a system				
•	ninistration - Universal Customer Master screen, then the System Registrations view.			
2. From the link bar, s	elect System Registrations.			
3. In the System Regi	strations list, select the system of interest.			
The System Registr	ations form for this system, which appears under the list, provides detailed information on this system.			
4. In the System Regi	strations form, click Delete.			
A confirmation dialo				
	gistered systems can create foreign key integrity violations because external systems might still contain references to deleted foreign keys in operations, such as cross-referencing, survivorship records, and so on.	p defii	nitions,	
5. Click OK to delete t	he system			

11.2.3 Set System Privileges

To set a system's privileges:

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

Figure 11–11 System Detail

Nearge System Privileges System Privileges Comment Added by C, Jodka on 21-Aug- 2017 Fequire for GP-OCH System Privileges Comment Added by C, Jodka on 21-Aug- 2017 Require for GP-OCH System Privileges Comment Added by C, Jodka on 21-Aug- 2017 Require for GP-OCH System Privileges Comment Added by C, Jodka on 21-Aug- 2017 Require for GP-OCH Or ment Comment Added by C, Jodka on 21-Aug- 2017 Require for GP-OCH Or ment System Privileges Comment Comment<	→ 🥖 http://o			enu/start.sw	ve?SWECm	d=GotoView8	SWEView=CI	F+System+	-Privileges+	Admin+Li	t+View&SWERF=1&SWEHo=of:	s3131440.in.orac	le.com&SWEBU=1	✓ C Search	_			_		+ م	ñ 7
System ich FC Description Fexcube Banking System System ich FC Description Fexcube Banking System Comment: added by c.lofta on 21 Aug- DD17.Required for OBP-OCH DD17.Requi	Administratio	on - Uni 🤇	DRACLE'	File E	dit Vie	w Naviga	e Query	Tools	Help									2		⊻ α	P 0
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11.2.4 Seed LOV Addition

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

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

Type (eg. CONTACT_TYPE)

Display Value (eg: Individual)

Language Independent Code (eg: IND)

Language Name :¿ English-American¿

Order (put a numeric value*)

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

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

Eg : [Order By]<3

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

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

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

11.3 OBP related Customizations Required in OCH

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

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

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

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

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

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

- Account BC
- Pick List Country NXG

To change the picklist:

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

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

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

Table 11–1 New Record Details

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

Table 11–2 Picklist Country NXG

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

11.5 Setting Hierarchical Picklist for Country and State

The Hierarchical Picklist changes are as follows:

- Personal Address BC
- CUT Address BC

- Pick List Country Code NXG
- Picklist State NXG

The detailed steps of configuring Hierarchical Picklists are as follows:

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

Table 11–3 New Record Details

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

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

Table 11–4 New Record Details

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

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

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

Table 11–5 Picklist County NXG

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

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

Table 11–6 Picklist County NXG

Name	Constrain	Picklist Field
Country	NULL	Value
State	NULL	NULL

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

Table 11–7 Picklist Country NXG	
---------------------------------	--

Property Name	Value	Comments
Picklist	PickList Country NXG	The new picklist which is created in Point 11 above.
Immediate Post Changes	TRUE	Set this property to true

22. Expand this entity field and select Pick Map. Create new records as mentioned below.

Table 11–8 New Record Details

Name	Constrain	Picklist Field
Country	TRUE	Parent
State	NULL	Value

23. Create the LOV Types if the LOV Types are not present in their OCH.

Seed Data:

With the above mentioned repository changes it is assumed that the customer has two LOV types with names COUNTRY_CODE, and STATE_ABBREV in their custom repository.

If these LOV types are non-existent and if you want to create these new LOV types then follow the below steps:

Creating New LOV Types:

The steps to create new List of Values are as follows:

- a. Launch Siebel UCM Application with Proper Credentials.
- b. Navigate to Site Map ->Administration Data->List of Values.
- c. In the displayed list applet create two new records with the details below.

Table 11–9 New record details

Туре	Replication Level	
COUNTRY_CODE	All	
STATE_ABBREV	All	

In case, if the customer wants to use Siebel Provided LOV types then you can ignore the above section. However, they have to mention the correct LOV type, which they want to use in the Type Value field in the Siebel Repository section in Points 8 and 11.

24. Add states for Australia to LOV:

Creating New LOV Types:

The steps to create new List of Values are as follows:

- a. Launch Siebel UCM Application with Proper Credentials.
- b. Navigate to Site Map ->Administration Data->List of Values.
- c. If Australia is not present in COUNTRY_CODE, then in the displayed list applet create new records (new LOV values) for COUNTRY as below:

Table 11–10 New LOV Values

Туре	Display Value	Language- Independent Code	Language Name	Parent LIC	Order
COUNTRY_ CODE	AU	Australia	English- American	NULL	13

25. Similarly, create new records (new LOV values) for STATES as below:

Туре	pe Display Value Language- Independent Code		Language Name	Parent LIC	Order
STATE_ ABBREV	NSW	NSW	English- American	Australia	1
STATE_ ABBREV	NSW	NSW	English- American	Australia	2
STATE_ ABBREV	TAS	TAS	English- American	Australia	3
STATE_ ABBREV			English- American	Australia	4
STATE_ ABBREV	WA	WA	English- American	Australia	5
STATE_ ABBREV	SA	SA	English- American	Australia	6
STATE_ ABBREV			English- American	Australia	7
STATEVICVIC		VIC	English- American	Australia	8

Table 11–11 New record details

Note that the above list is not final. The customer has to add the records as per their requirement. Only key point here is that the Parent LIC value should be mentioned correctly.

Select the Parent LIC whose Type property is COUNTRY_CODE and Parent Display Value is AU (first record as shown in the screenshot below).

Figure 11–12 Pick Parent

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11.6 Change of Picklist for Relationship

The New Picklist details are :

- Asset Account Relation PickList NXG
- Asset Contact Relation PickList NXG

The steps are as follows:

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

	Value	Comments				
Name	Asset Account Relation PickList NXG	Any name of customer's choice.				
Project	NXG	Any project of customer's choice. Preferably, the same project name, which is used for custom repository can be provided.				
Bounded	TRUE	Should be checked				
Static	TRUE	Should be checked				
Business Component	PickList Generic	Should be mentioned as is				
No Delete, No Insert, No Merge, No Update	TRUE	Should be checked				
Type Field	Туре	Should be mentioned as is				
Type Value	AUTO_ASSET_ ACCNT_REL	Should be mentioned as is				

Table 11–12 New Record Details

- 9. Save the record by stepping off the record or Ctrl + S.
- 10. Save the record by stepping off the record or Ctrl + S.
- 11. Query the business component in which the customer want this Picklist to be used. The BC name is FINCORP Account.
- 12. Expand this BC in the object explorer and click its field entity.
- 13. Query for the field **Relationship**.
- 14. Select the **Relationship** field and do the following changes in it.

Table 11–13 Asset Account Relation PickList NXG

Property Name	Value	Comments
Picklist	Asset Account Relation PickList NXG	The new picklist which is created in Point 8 above

15. Expand this entity field and select Pick Map. Create new records as mentioned below.

Table 11–14 Asset Account Relation PickList NXG

Name	Constrain	Picklist Field
Relationship		Value

- 16. Right-click the record pane and select **New Record.** An empty record will be created in the record pane.
- 17. Provide the new record details as below:

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

Table 11–15 New Record Details

- 18. Query the business component in which the customer want this Picklist to be used. The BC name is **FINCORP Account Contact.**
- 19. Expand this BC in the object explorer and click its field entity.
- 20. Query for the field Type.
- 21. Select Type field and do the following changes in it.

Table 11–16 Asset Contact Relation Picklist NXG

Property Name	Value	Comments
Picklist	Asset Contact Relation PickList NXG	The new picklist which is created in Point 17 above.

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

Table 11–17 Picklist County NXG

	Constrain	Picklist field
Туре		Value

11.7 OSC Server Configuration in OBP

OBP integrates with Oracle Sales Cloud (OSC) using the ICS integration and UI Mashup. The OSC base URL is present as part of seed data. For the integration to work, IP address and port of OSC server need to be configured in OBP.

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

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

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

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Username Password Sign In • Use Virtual Keyboard				
V.C : 2.6.0.0 0 Copyright 2011, 2017, Oracle and/or its affiliates. All rights reserved				
Best Viewed With 100% Browser Zoom				Ŧ

Figure 11–13 OBP Admin Login

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

Figure 11–14 Navigate to Configurations

Figure 11–15 Configuration Variables Information (Fast Path: CFG01)

		Date 16-Jan-2016		Fast Path	9	\$4 \$4 -	X 0-	OFSSUser 🖌 💼
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								Fetch Records
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	View 🗸 🕂 🖉							
F	Key	Value	Information					
	No data to display.							

- 3. Click Fetch Records.
- 4. Search the text: osc.*

Figure 11–16 Search osc.*

		Date 16-Jan-2016		Fast Path	به 🔍	**	X 0-	OFSSUser 🗸 💼
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	OSC.*							
F	Key	Value	Information					
1	osc.server.name	fusovmenv102-crm-ext.us.oracle.com						÷ •

5. Update the server name and click **Ok.**

		Date 16-Jan-2016		Fast Path Q	4 * × × 0 -	OFSSUser 🗸 💼
Ī	CFG <u>0</u> 1 ×		i) Information ×	1		
	Configuration Variables Informati	on	Aessages for this page are listed below.	-	Print 🗸 Ok	🗾 Clear 🗙 E <u>x</u> it
	Configuration Details		Operation completed successfully. Transaction reference number :2016016001838285 OK	1		Fetch Records
	osc.*					
F	Key	Value	Information			
	osc.server.name	fusovmenv102-crm-ext.us.oracle.com				•

Figure 11–17 Update Server Name

11.8 Registering OBP Cloud Adapter in ICS

For applications (OSC) using ICS integration pattern, OBP Cloud adapter needs to be registered in ICS Pod. The steps for registering are as follows:

- 1. Changes to be done in setDomainEnv are as follows:
 - a. Navigate to the directory \$INSTALL_DIR/ICSOP/data/user_projects/domains/expanded_ domain/bin.
 - b. Search for POST_CLASSPATH.

Add the following entry:

POST

CLASSPATH="/scratch/app/product/ics/ICSOPInstall/ICSOP/app/Oracle/Middleware/Oracle_Home/soa/soa/modules/oracle.soa.common.adapters_

11.1.1/oracle.soa.common.adapters.jar\${CLASSPATHSEP}/scratch/app/product/ics/ICSOPI nstall/ICSOP/app/Oracle/Middleware/Oracle_Home/soa/soa/modules/oracle.cloud.adapter_ 12.1.3/oracle.cloud.adapter.jar\${CLASSPATHSEP}/scratch/app/product/ics/ICSOPInstall/IC SOP/app/Oracle/Middleware/Oracle_Home/soa/soa/modules/oracle.cloud.adapter_ 12.1.3/obpcloudadapter.jar\${CLASSPATHSEP}\${POST_CLASSPATH}"

export POST_CLASSPATH

- c. Restart admin and ICS server.
- 2. Log in to ICS server using the following URL:

http://<icsserver>:<port>/ics/faces/icslogin.jspx

Figure 11–18 ICS Server Login

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	ي.			IN IN TO	FION C	LOUE)					^ _
			User N Passw									
			Si	gn In								

3. Navigate to the Adapter tab.

Figure 11–19 Navigate to Adapter tab

← → C ③ 10.180.6.1	88:7001/ics/faces/global				₽☆	1	
		🗅 Settings 🗋 lightningnewtab 🔤 plus.maths.o	rg 📙 Dev Tools 📙 Tips	📙 CS 📙 recipes 📒	JavaTips	NEW	l
	4						
	View Adapter	View Libraries					
	Adapters Adapter helps to connect to your application. Learn More	Libraries Javascript functions for integration flows. Learn More					
	Show Me	Show Me					

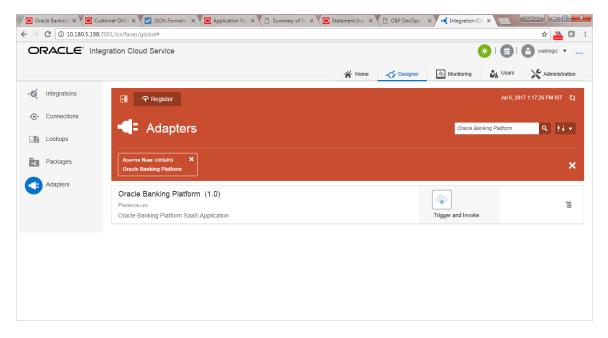
4. Click Register and upload the adapter jar available in media pack.

→ C ① 10.180.6.188:7001/ics/faces/global Apps V Web Slice Gallery I Imported From Firefo I Import	ed From IE 🌓 Settings 🌓 lightningnewtab 🖉 plus.maths.org	Dev Tools	CS cs recipes JavaTip:		NEW
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AQ (17.2.3) PRENETALED Integrates Oracle Advanced Queuing Messaging Solution	Select Adapter File (.jar) Choose File No file chosen	Cancel		Ξ	
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Concur (17.2.3) PREMETALLED Integrates Concur Cloud Application with your Enterprise Re	source Planning, Human Resources and Accounting System i	for Invoke		E	
DB2 (17.2.3)				_	

Figure 11–20 Register Adapter

After registration it should show the adapter as pre-installed when you search for the record.

Figure 11–21 Pre-installed Adapter



12 BIP Datasource Creation

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

12.1 BIP Datasource Creation

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

Follow the below mentioned steps to create the datasource:

1. Open a browser and navigate to:

<BIP_SERVER_IP>:<BIP_SERVER_PORT>/xmlpserver

2. Log on using the following credentials:

Username	<bip_server_user></bip_server_user>
Password	<bip_server_pswd></bip_server_pswd>

Figure 12–1 BIP Server Console Login

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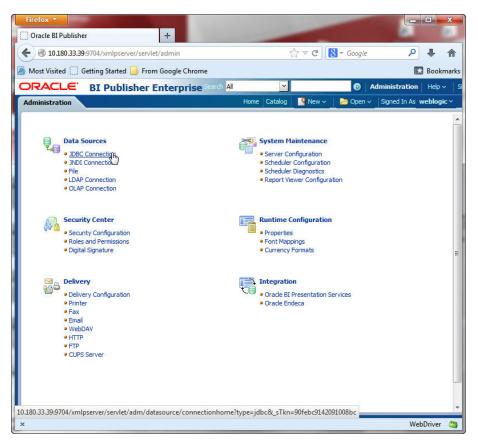
3. After logging in, click **Administration**.

Figure 12–2 BIP Administration

Oracle BI Publisher ○ Oracle BI Publisher ○ Form Google Chrome ○ Bookmarks ○ Mast Visited ○ Getting Started ○ Form Google Chrome ○ Mainstrating ○ Create ○ Report Job ○ Data Model Nore ○ Data Model ○ Da	Firefox X			x
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WEDDINEL G	10.180.33.39:9704/xmlpserver/servlet/admin		WebDriver	3

4. Click JDBC Connection under Data Sources.





5. Click the Add Data Source button.

Figure 12-4 BIP - Add Data Source

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ita Sources		
IDBC JNDI File LDA	P OLAP	
Add Data Source		
Data Source Name	Connection String	Delete
OBPIUT07	jdbc;oracle:thin:@10.180.22.245:1521:OBPIUT	Û
OBPST01	jdbc:oracle:thin:@10.180.22.245:1521:NGPST	Û
<u>Oracle BI EE</u>	jdbc:oraclebi://ofss3121096:9703/	Û
<u>T04</u>	jdbc:oracle:thin:@10.180.22.245:1521:OBPIUT	Û
<u>T06</u>	jdbc:oracle:thin:@10.180.22.245:1521:OBPIUT	Û
<u>T07</u>	jdbc:oracle:thin:@10.180.22.245:1521:OBPIUT	Û
<u>T09</u>	jdbc:oracle:thin:@10.180.22.245:1521/OBPIUT	0
<u>T10</u>	jdbc:oracle:thin:@10.180.22.245:1521:NGPST	1 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
<u>T11</u>	jdbc:oracle:thin:@10.180.22.245:1521:NGPST	0

6. Fill up the following fields:

Table 12–1 Data Source Details

Field Name	Description				
Data Source Name	Any name can be given here				
Driver Type	Oracle 11g				
Database Driver Class	oracle.jdbc.OracleDriver				
Connection String	jdbc:oracle:thin:@ <obp_host_db_ip>:<obp_host_db_ PORT>:<obp_host_db_service_name></obp_host_db_service_name></obp_host_db_ </obp_host_db_ip>				
Username	<bip_datasource_name></bip_datasource_name>				
Password	<obp_host_db_password></obp_host_db_password>				

7. Click Ok.

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dministration > JDBC > Add Data Source Image: Cancel Add Data Source Apply General Cancel Image: Cancel Image: Cancel Image:	RACLE BI Publis	Started From Google Chrome Bookmarks Publisher Enterprise Search Al Home Catalog New Administration Help Sting Cancel Apply Cancel Apply Cancel Apply Cancel Apply Cancel Apply Cancel Apply Cancel F to instal the required JDBC driver classes. In Middleware Security Model, select the Use System User checkbox to use the BI System User for your BI Connection. Name NGPPTONL Type Oracle J1g F Class Foracle.jdbc.OracleDriver String Idbc:oracleDriver String Idbc:oracleDriver	
Add Data Source Apply Cancel General TIP Please make sure to install the required JDBC driver classes. TIP With Oracle Fusion Middleware Security Model, select the Use System User checkbox to use the BI System User for your BI Server Database Connection. * Data Source Name NGPPTONL * Database Driver Class Driver	dministration	Home Catalog 🦉 New 🗸 👌 Open 🗸 Signed In As	weblogic ~
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General TIP Please make sure to install the required JDBC driver classes. TIP With Oracle Fusion Middleware Security Model, select the Use System User checkbox to use the BI System User for your BI Server Database Connection. * Data Source Name NOPPTONL * Database Driver Class Oracle Jdbc.OracleDriver Example: oracle.jdbc.OracleDriver * Connection String Idbc:oracle.thm:@10.180.4.47:1521:PRODUCT * Use System User * Username ngpptonl Password Pre Process Function Duse Proxy Authentication	Add Data Source	Aught	Canaal
TIP Please make sure to install the required JDBC driver classes. TIP With Oracle Fusion Middleware Security Model, select the Use System User checkbox to use the BI System User for your BI Server Database Connection. * Data Source Name NOPPTONL * Data Source Name Oracle 11g Oracle 11g Oracle 11g Oracle 11g Oracle 11g Oracle Jdbc.OracleDriver * Database Driver Class Oracle.jdbc.OracleDriver * Connection String Idbc:oracle:thin:@10.180.4.47:1521:PRODUCT		ADIAY	Cancer
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Image: Server Database Connection. * Data Source Name * Data Source Name * Driver Type Oracle 11g * Database Driver Class oracle.jdbc.OracleDriver (bample: oracle.jdbc.OracleDriver) * Connection String Idgc:oracle:thin:@10.180.4.47:1521:PRODUCT : Use System User Password Pre Process Function Post Process Function Use Proxy Authentication			
* Driver Type Oracle 11g * Database Driver Class oracle.jdbc.OracleDriver (Cample: oracle.jdbc.OracleDriver) * Connection String jdpc:oracle:thin:@10.180.4.47:1521:PRODUCT Use System User * Username ngpptonl Password Pre Process Function Post Process Function Use Proxy Authentication	Server Database Connect	ən.	IOUI DI
* Database Driver Class * Database Driver Class Connection String Use System User * Username Password Pre Process Function Post Process Function Use Proxy Authentication			
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Post Process Function	Password	******	
Use Proxy Authentication	Pre Process Function		
	Post Process Function		
Test Connection		Use Proxy Authentication	
		Test Connection	

13 ODI Configuration

This chapter details steps involved in the configuration of ODI. Before configuring ODI, you need to install the required ODI version mentioned in Section 3.1.2.1 Certification Details.

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

13.1 Configuration Procedure

Following are the steps required for ODI configuration using ob-utils zip/Insights.zip:

- 1. Create master and work repository using RCU. At the end of RCU run, master and work repository is created in one schema.
- 2. Create a staging area to copy all the scenarios from ob-utils.zip\lnsights.zip\odi.tar.gz\odi.tar.
- 3. Follow ODI Level Configurations mentioned in Section 16 Analytics Configuration.
- 4. Create data source for master and work repository with schema and DB details based on step 1.
 - odiMasterRepository for Master Repository having JNDI name: jdbc/odiMasterRepository.
 - odiWorkRepository for Work Repository having JNDI name: jdbc/odiWorkRepository.
- 5. Create three more data sources in the ODI domain.
 - odiOCSA for CSA DB having JNDI name: jdbc/odiOracleCsa
 - odIUploadOBP for OBP DB having JNDI name: jdbc/odIUploadOBP
 - odiOBP for source DB having JNDI name: jdbc/odiOBP
- 6. Deploy agent from staging area in ODI domain.
- 7. Create one data source to access reporting db (jdbc/FCBDataSourceODI) with the name OBP_ HOST_ODI_XA in host domain where batch will run.
- 8. Make the entry for WSDL_URL in odi.properties file in host domain where batch will run.

Example: WSDL_URL =

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

14 Swagger UI Deployment

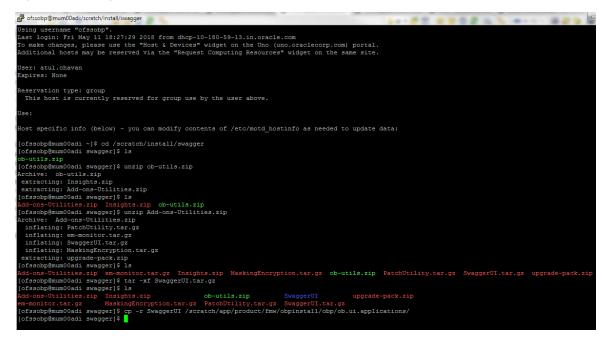
This chapter explains the steps involved in the deployment of Swagger UI on the UI server.

Make the following changes in the scripts:

1. Unzip the files sequentially and locate the SwaggerUI folder.

ob-utils.zip\Add-ons-Utilities.zip\SwaggerUI.tar.gz\SwaggerUI.tar\SwaggerUI

Figure 12–6 Unzip files



2. Copy SwaggerUI folder to following path:

/scratch/app/product/fmw/obpinstall/obp/ob.ui.applications

3. Unzip yaml.zip to yaml folder.

For example, unzip yaml.zip -d

/scratch/app/product/fmw/obpinstall/obp/ob.ui.applications/SwaggerUI/yaml

4. Deploy folder as application through weblogic console.

← → C ☆ 0 10.180.85.196:7001/console/console.portal?_nfpb=true&_pageLabel=HomePage1 ORACLE' WebLogic Server Administration Console 12c 🏦 Home Log Out Preferences 🖂 Record Help Q Change Center me >Summary of Deployments View changes and restarts Home Page Click the Lock & Edit button to modify, add or delete items in this domain. - Information and Resources Lock & Edit Lock & Edt Helpful Tools Release Configuration - Configure applications Domain Structure - Configure GridLink for RAC Data Source u_domain - Configure GridLink for RAC Data Source bit Environment - Recent Task Status General Informatio Common Administration Task Descriptions Read the documentation United and a second sec Ask a question on My Oracle Support Set your console preferences Oracle Enterprise Manager — Domain Configurations Domain Resource Group Templates Interoperability Domain WTC Servers Resource Group Templates Jolt Connection Pools Domain Partitions esource Group Domain Partitions Partition Work Managers Resource Groups Diagnostics Log Files How do I... Ξ Deployed Resource Diagnostic Modules Built-in Diagnostic Modules Search the configuration Environment Deployments Use the Change Center Servers Diagnostic Images Record WLST Scripts Change Console preferences Manage Console extensions Request Performance Clusters Services Messaging JMS Servers Server Templates Migratable Targets Archives Context Monitor servers Coherence Clusters Store-and-Forward Agents JMS Modules SNMP Interceptors Machines System Status Ξ Virtual Hosts Path Services Bridges Charts and Graphs Health of Running Servers as of 2:52 PM Virtual Targets Work Managers Monitoring Dashboard ^፼ Data Sources Failed (0) Critical (0) Г Concurrent Templates Persistent Stores Critical (0) Overloaded (0) Warning (0) OK (2) Resource Management XML Registries Startup And Shutdown Classes XML Entity Caches Foreign JNDI Providers Application's Security Settings Work Contexts jCOM Security Realms Mail Session • FileT3 JTA OSGi Frameworks

Figure 12–7 Deploy yaml folder

5. Click Lock & Edit and then click Deployments.

Figure 12–8 Click Deployments

RACLE WebLogic Server Ad	ninistra	tion Console 12c											
ange Center	۵	Home Log Out Prefere	nces 🔤 Record Help	٩							Welcome, weblogi	Connected to: ui_d	
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pending changes exist. Click the Release	Sum	mary of Deployments											
Configuration button to allow others to edit the domain.		nfiguration Control	Monitoring										
Release Configuration				andalone application modules inst									
nain Structure					by selecting the checkbox next to the application	n name and t	ien using t	he controls on this page.					
omain Iomain Partitions	Т	o install a new applicatio	n or module for deployment to	targets in this domain, click Insl	all.								
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Diagnostics	6	Name 🗞	0.0			State	Health	Туре	Targets	Scope	Domain Partitions	Deployment Order	
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	E	adf.oracle.domain	n(1.0,12.2.1.1.0)			Active		Library	AdminServer, obpui_cluster1	Global		100	
	6	adf.oracle.domain	n.webapp(1.0,12.2.1.1.0)			Active		Library	AdminServer, obpui_cluster1	Global		100	
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ith of Running Servers as of 2:53 PM	6	🗉 🗄 🕞 com.ofss.fc.ui.	view.admin			Active	🛩 ок	Enterprise Application	obpui_cluster1	Global		100	
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6. Click **Install**, browse the SwaggerUI, and click **Next**.

Figure 12–9 Click Install and Browse SwaggerUI

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	ministration Console 12c						
Change Center	🏠 Home Log Out Preferences 🔤 Recor	d Help Q Welcome,					
View changes and restarts	Home >Summary of Deployments	Home > Summary of Deployments					
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration Domain Structure		sare for deployment Microtion root directory, archive file, exploded archive directory, or application module descriptor that you want to install. You can also enter the path of the application directory or file in the Path field, elsow. If you cannot find your deployment files, Upload your file(s) and/or confirm that your application contains the required deployment descriptors.					
ui_domain ⊕ Domain Partitions ⊕ Environment Deployments ⊕ Services	Path: Recently Used Paths: Current Location:	/scratch/app/product/fmw/obpinstall/obp/ob.ui.applications/SwaggerUI (rone) 10.18.05.156 / scratch / app / product / fmw / obpinatali / obp / obu.applications					
I Security Realms Thereopeability Diagnostics 	SwaggerUI (open directory) dy U,col dy U,col dy U,col dy U,for dy						

7. Deploy SwaggerUI as application.

Figure 12–10 Deploy as application

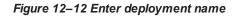
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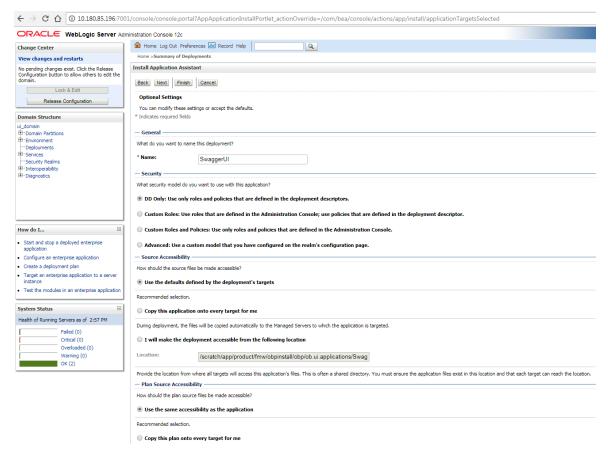
8. Select the deployment target server (obpui_cluster1).

Figure 12–11 Select target

← → C ☆ ③ 10.180.85.196:700)1/console/console.portal?AppApplicationInstallPortlet_actionOverride=/com/bea/console/actions/app/install				
	ministration Console 12c				
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No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration Domain Structure	Install Application Assistant Back Next Finish Cancel Select deployment targets Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets later).				
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■ Interoperating ■ Diagnostics	Clusters Image: Cluster 1 Image: Cluster 1<				
How do I • Start and stop a deployed enterprise application	Back Next Finish Cancel				

9. Enter the deployment name as **SwaggerUI** and click **Finish**.





10. After clicking Finish, SwaggerUI deployment status is seen as Prepared.

Figure	12-13	Deployment status
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hange Center	Home Log Out Preferences 🔤 Record	Help	Welcome, weblogic Connected to: ui_dom
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elete items in this domain.	All changes have been activated. No rest	arts are necessary.	
Lock & Edit	Settings for SwaggerUI		
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main Structure	Click the Lock & Edit button in the Change	Canter to modify the retrieves on this page	
Iomain Domain Partitions	Save	Center to mouny the seconds on this page.	
Environment	5676		
-Deployments -Services -Security Realms	Use this page to view the installed configura	tion of a Web application.	
-Interoperability -Diagnostics	Name:	SwaggerUI	The name of this application deployment. More Info
H2* Diagnostics	Scope:	Global	Specifies if this Web application is accessible within the domain, a partition, or a resource group template. More Info
	Context Root:	/SwaggerUI	The specific path at which this Web application is found by a servlet. More Info
	Path:	/ scratch/ app/ product/ fmw/ obpinstall/ obp/ ob. ui. applications/ SwaggerUI	The path to the source of the deployable unit on the Administration Server. More Info
w do I E	Deployment Plan:	(no plan specified)	The path to the deployment plan document on the Administration Server. More Info
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Test the deployment Monitor Web applications and servlets	Plan Staging Mode:	(not specified)	Specifies whether a deployment plan's files are copied from a source on the Administration Server to the Managed Server's staging area during application preparation. More Info
stem Status 🛛	Security Model:	DDOnly	The security model specifies how this deployment should be secured. More Info
ealth of Running Servers as of 2:59 PM Failed (0)	6월 Deployment Order:	100	An integer value that indicates when this unit is deployed, relative to other deployable units on a server, during startup. More Info
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	Web Services		
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- 11. Start it from the **Control** tab.
- 12. After SwaggerUI deployment, validate the deployment. SwaggerUI must be in **Active** state. If it is in **Prepared** state, start it from the Control tab.

Figure 12–14 Active status in Control tab

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15 Monitoring Servers Using Oracle Enterprise Manager

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

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

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

For monitoring the OBP Servers, follow the procedures given in Oracle Banking Platform Management Pack Setup Guide.

16 Analytics Configuration

This chapter explains the configuration required to set up analytics. Oracle Business Intelligence Enterprise Edition (OBIEE) (which is a separately licensed product) is used for performing analytics using the following dashboards:

- Origination Analytics dashboard (OBIEE 11.1.1.9.0)
- Credit Monitor (LCM) dashboard (OBIEE 12.2.1.2.0)

16.1 ODI Import Master Repository

This section explains the process of importing ODI Master Repository.

16.1.1 Create Schema of ODI Master Repository

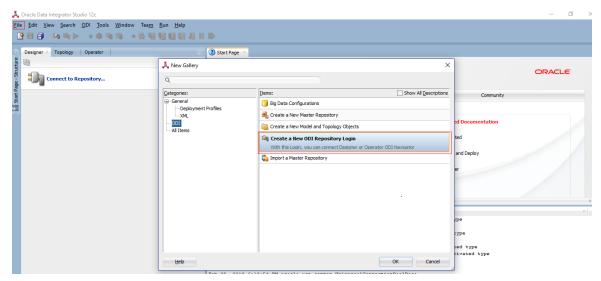
Create new database schema for ODI master repository with the help of DBA. Schema for master repository can be create using ODI studio also.

16.1.2 Create New ODI Repository Login

To create a new ODI repository login:

1. Click File > New.

Figure 14–1 Create new repository



2. Provide the required details and click **OK**.



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	Driver Name: [orade.jdbc.OradeDriver URL: [vdbc.orade:thin:@10.180.84.34:1521/08PTEST] Q Work Repository Work Repository D	Table
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16.1.3 Import Master Repository

To import ODI master repository:

1. Click File > New.

Figure 14–3 Import master repository

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	16			

- 2. Provide the required details.
- 3. Select the master repository zip file (/host/analytics.tar/analytics/historical/odi/Repositories) from file

system and click OK.

Figure 14–4 Select master repository zip file

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Figure 14–5 Set password

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16.2 ODI Import Work Repository

This section explains the process of importing ODI Work Repository.

16.2.1 Create New ODI Work Repository

To create a new ODI repository:

1. Log in to newly create master repository.

Figure 14–6 Log in to master repository

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- 2. Click **Topology > Repositories > Work Repositories**.
- 3. Click New Work Repository.

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Figure 14–7 Select new work repository

4. Check repository connection details and click Next.

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Figure 14–8 Check repository details

5. Specify work repository name as **WORKREP1**. Password is optional. Then click **Finish**.

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Figure 14–9 Specify repository name

16.2.2 Import ODI Work Repository

To import ODI work repository:

1. Log in to ODI master repository after selecting newly created work repository.

Figure 14–10 Log in to repository

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2. Click **Designer > Designer Menu > Import**.

3. Select Import Work Repository and click OK.

Figure 14–11 Import work repository

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- 4. Select import mode as **Synonym Mode INSERT**.
- 5. Select option as **Import as Zip File**.
- Select work repository zip file from file system (/host/analytics.tar/analytics/historical/odi/Repositories)

Figure 14–12 Select work repository zip

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	-1.0 A Mess	ages Work Repository Crea	tion Wizard ×	

16.3 ODI Level Configuration

This section explains the configurations required at ODI level.

16.3.1 Setting Target Data Server in ODI Topology

Provide the db details for analytics database containing the stage, dimension and fact table in the OBP_ANALYTICS data server under Topology.

4 [R2.38_ODI] Oracle Data Integrator 11g : OBP_SRC			
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Figure 14–13 Set target data server

16.3.2 Setting Source Data Server in ODI Topology

Provide the db details for OBP source tables in the OBP_SRC data server tab under Topology.

Figure 14–14 Set source data server

4 [R2.3B_ODI] Oracle Data Integrator 11g : OBP_SRC			
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16.4 ODI Agent Deployment Configuration

This section explains the configurations required for ODI agent deployment.

16.4.1 Update the Connection Details of Master Repository and Work Repository

To update the details:

- 1. Log in to WebLogic console.
- 2. Click Services > Data Sources > odiMasterRepository

Figure 14–15 Select odiMasterRepository

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View changes and restarts	Home >Summary of JDBC Data Sources >od	iMasterRepository :	Summary of JDBC Data Sources			
Configuration editing is enabled. Future	Summary of JDBC Data Sources					
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Monitoring					
Domain Structure od_domain #-Domain Partitions #-Environment -Depoints -Depoints B-Hessaging -Data Sources -Persistent Stores -Persistent Stores -Persistent Stores	connection from a data source. This page summarizes the JDBC data source Customize this table Data Sources (Filtered - More Colum	rce objects that h		pool of JDBC connections. Applications can loo	cup a data source on t	
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Create JDBC generic data sources	odiWorkRepository	Generic	jdbc/odiWorkRepository	odi_server1	Global	
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Create JDBC multi data sources	opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, odi_server1	Global	
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System Status 🖂						
Health of Running Servers as of 1:55 AM						

3. Click **Connection Pool** and update database connection details for the repository.

Figure 14–16 Update connection details

				rity Notes	
domain.					
	eneral Connection Po	ol Oracle	ONS Transac	tion Diagnostics Identity Options	
Domain Structure	iove				
Dou_Jonnain Partitions ⊕ Domain Partitions ⊕ Services ⊕ Services ⊕ Messaging Unit Patts Sources					n refurn to the pool. The connection pool and the connections within it are created when the connection pool is registered, usually when starting up WebLogic Sorver or when deploying the data
Work Contexts	URL			jdbc:oracle:thin:@//10.180.84.34:1521/OBPTEST	The URL of the database to convect to. The format of the URL varies by JDBC driver. More brfd
-XML Registries -XML Exitiv Caches 	Driver Class Name:			oracle.jdbc.OracleDriver	The full pickage name of XBSC driver class used to create the physical delatese corrections in the correction pool. (Mole that this driver class must be in the classpath of any server to which it is deployed.) More Lefa
	Properties:				The list of properties passed to the JOBC driver that are used to create physical database connections. For example:
How do I (B) - Configure testing options for a JOBC data source - Configure the statement cache for a JOBC connection pool - Configure createrial mapping for a JOBC data source - Configure constraint hervesting for a	ser=ODI261_MASTER_	JEE PO		-#	servervideonial. Lot each proprior visits por on a segments low. More Solo
	ystem Properties:				The lot of system Properties names passed to be 2000 show that we want to control physical dottance convections. For example, server-silkenver1, lot each property-reals per on a segmente lose. Here Info
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6	Password:			••••••	The password attribute passed to the XBC driver when creating physical database convections. Here Info
Con	onfirm Password:				

16.5 OBI Configuration

This section explains the configurations required for OBI.

16.5.1 Update the Analytics DB Details in the Repository

Analytics database details are updated in catalog file.Catalog file can be found in HOST installer zip in analytics.tar.gz.Inside analytics.tar.gz, catalog files can be found at analytics/historical/obi/catalog location and RPD files can be found at analytics/historical/obi/repository location. Catalog files are updated with the help of Oracle BI Administration Tool

Update the DB source name and the user credentials in the Connection Pool of the repository and set it to the Analytics DB.

Figure 14–17 Update Analytics DB details

Online) Oracle BI Administration Tool - OR_DW	and the second s	
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16.5.2 Add the Analytics DB TNS Entry

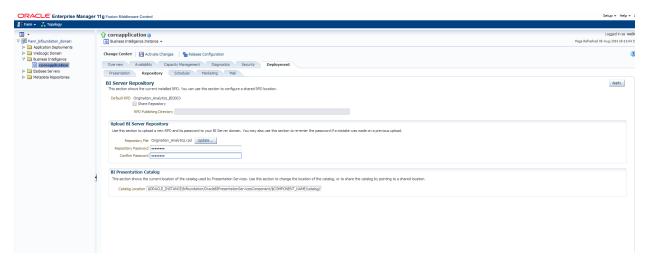
Add the TNS entry for the analytics DB in the tnsnames.ora file at location ORACLE_HOME/network/admin.

16.5.3 Upload the Repository to the OBI Server

Perform the following steps.

- 1. Log in to the OBI EM server console.
- 2. Navigate to **Business Intelligence > coreapplication > Deployment > Repository** tab.
- 3. Click Release Configuration.
- 4. Click **Upload** and select the repository to be uploaded.
- 5. Enter the repository password.
- 6. Click Apply.
- 7. Restart the OBI server components.

Figure 14–18 Upload repository

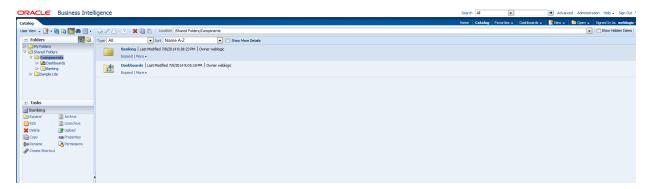


16.5.4 Upload the Catalogs to the OBI Server

Perform the following steps.

- 1. Navigate to the Oracle Business Intelligence Sign In page and sign in.
- 2. Click Catalog and navigate to Shared Folders > Components.
- 3. Click **Unarchive** in the Tasks Panel and select the Analyses catalog to upload the analyses to the OBI server.
- 4. Click **Unarchive** in the Tasks Panel and select the Dashboards catalog to upload the dashboards to the OBI server.

Figure 14–19 Upload catalogs



16.5.5 Create Schema Objects

Perform the following steps.

1. Run the SQL script from the following location on OBIEE schema. This creates the required dimension, fact and other related database objects.

/host/analytics.tar/analytics/historical/db/run_script.sql

2. Run the SQL script from the following location on CSA database. This populates the records from OBP database to common staging area.

/host/analytics.tar/analytics/historical/db/run_script_CSASchema.sql

16.6 Global Configuration

This configuration is required to set up all global parameters to execute ODI scenario. Following parameters need to be configured. All the seed files are available in "/host/analytics.tar/analytics/ historical/odi/seed" folder.

- WSDL url of ODI agent
- CredentialStore type
- ODI repository username
- ODI repository password
- Flag for ODI source database

Run flx_fw_config_all_b.sql to configure above parameters.

ODI agent server and port need to be configured. Please run flx_fw_config_var_b.sql.

16.7 Batch Configuration for Analytics

This section explains the batch configurations required for analytics.

- Analytics Batch Category: Run flx_batch_job_category_master.sql to configure analytics batch category.
- Analytics Batch Code Type: Run flx_batch_job_code_type.sql to configure analytics batch code.
- Analytics Batch Group Category: Run flx_batch_job_grp_category.sql to configure analytics batch group category.
- Analytics Category Batch Shell Dependencies: Run FLX_BATCH_JOB_SHELL_DEPEND.sql to configure shell dependency.
- Analytics Category Batch Shell: Run flx_batch_job_shell_master.sql to configure analytics shell.
- Analytics Batch Job Type: Run flx_batch_job_type.sqlto configure analytics batch job type.
- Analytics Job Definition: Run flx_di_etl_job_definition.sql to configure analytics job definition.

17 Post Installation Verification

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

17.1 UI Domain Verification

To verify the UI domain installation:

- 1. Start the UI domain Admin and Managed servers.
- 2. In the WebLogic console (<UI_IP>:<UI_ADMIN_PORT>/console), navigate to the **Summary of Deployments** page.
- 3. Verify that the **Status** of the following Oracle Banking Platform libraries and applications is *Active*.

Common (Applicable to all products)

- Shared Libraries
 - ob.app.client.coll
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.deposit
 - ob.app.client.fw
 - ob.app.client.lcm
 - ob.app.client.lending
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pm
 - ob.app.client.pricing
 - ob.app.client.sh
 - ob.ui.coll
 - ob.ui.communications
 - ob.ui.cz
 - ob.ui.deposit
 - ob.ui.fusion
 - ob.ui.lcm
 - ob.ui.lending
 - ob.ui.or
 - ob.ui.party

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

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Figure 15–1 UI WebLogic Console

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	ob.ui.deposit(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
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	n ob.ui.lcm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
	n ob.ui.lending(2.6.2.0.0,2.6.2.0.0)	Active	Library	obpui_cluster1	Global		100
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Figure 15–2 UI WebLogic Console

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

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Figure 15–3 UI EM Console Status Check

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

← → C (10) 10.180.85.196:7001/wsm-pm/validator		🖒 🔽 🖬
		contiguration. A SAML token, included in the SOAP message, is used in SAML-based authentication with sender vouches confirmation. These credentials are provided either programmatically or through the security configuration. This policy performs dynamic identity switching by propagating a different identity than the one based on authenticated Subject. This policy can be attached to any SOAP-base client.
oracle/wss_saml20_token_over_ssl_service_policy	1	This policy authenticates users using credentials provided in SAML V2.0 token in the WS-Security SOAP header. The credentials in the SAML V2.0 token are authenticated against a SAML V2.0 login module. The policy verifies that the transport protocol provides SSL message protection. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_username_token_with_message_protection_wssc_client_policy	1	This policy provides message-level protection and authentication for outbound SOAP requests in accordance with the WS-Security 1.1 standard. Messages are protected using WS-Security's Basic 128 suite of symmetric key technologies, specifically RSA key mechanisms for message confidentiality, SHA-1 hashing algorithm for message integrity, and AES-128 bit encryption. The keystore on the client side is configured either on a per-request basis or through the security configuration. Credentials are included in the WS-Security UsernameToken header of outbound SOAF request messages. Only plain text mechanism is supported. Credentials are provided either programmatically through the current Java Authentication and Authorization Service (JAAS) subject o by a reference in the policy to the configured credential store. This policy has secure conversation enabled. This policy can be attached to any SOAP-based client.
oracle/wss11_x509_token_with_message_protection_wssc_client_policy	1	This policy provides message-level protection and certificate-based authentication for outbound SOAf requests in accordance with the WS-Security 1.1 standard. Messages are protected using WS- Security's Basic 128 suite of symmetric key technologies, specifically RSA key mechanisms for message confidentiality, SHA-1 hashing algorithm for message integrity, and AES-128 bit encryption. The keystore on the client side is configured either on a per-request basis or through the security configuration. Credentials are included in the WS-Security binary security token of the SOAP message. These credentials are provider either programmatically or through the security configuration. This policy has secure conversation enabled.
oracle/wss_saml_token_over_ssl_service_policy	1	This policy authenticates users using credentials provided in SAML tokens in the WS-Security SOAP header. The credentials in the SAML token are authenticated against a SAML login module. The policy verifies that the transport protocol provides SSL message protection. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_saml_or_username_token_with_message_protection_service_policy	1	This policy authenticates users using credentials provided in SAML token or Username token or SAML token with confirmation method 'Bearer' in the WS-Security SOAP header or using credentials in the HTTP header against the configured identity store. Messages are protected either over transport layer using HTTPS or message level protection using WS-Security 1.1 standard . Message level protection(integrity, confidentiality) is done using WS-Security's Basic 128 suite of symmetric key technologies, specifically RSA key mechanisms for message confidentiality, SHA-1 hashing algorithm for message integrity, and AES-128 bit encryption. This policy can be attached to any SOAP based endpoint or any HTTP based endpoint
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Figure 15–4 UI Admin wsm-pm Validator

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Figure 15–5 UI managed wsm-pm validator

← → C 🔘 10.180.85.1968001/wsm-pm/validator

Policy Manager Status: Operational

Policies (183)

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

17.2 Host Domain Verification

To verify the Host domain installation:

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

Oracle Banking Enterprise Product Manufacturing

- Shared Libraries
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.fw
 - · ob.app.client.lcm
 - ob.app.client.party
 - ob.app.client.pm

- ob.app.client.pricing
- ob.app.client.sh
- ob.app.host.communications
- ob.app.host.cz
- ob.app.host.fw
- ob.app.host.lcm
- ob.app.host.pm
- ob.app.host.sh
- ob.app.host.tp
- ob.app.host.tp.cz
- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging.pm
 - com.ofss.fc.middleware.pm
 - com.ofss.fc.module.rest.ops
 - com.ofss.fc.reports.communications
 - com.ofss.fc.webservices.pm

Oracle Banking Enterprise Collections

- Shared libraries
 - ob.app.client.coll
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.fw
 - ob.app.client.sh
 - ob.app.host.coll
 - ob.app.host.communications
 - ob.app.host.cz
 - ob.app.host.fw
 - ob.app.host.sh
 - ob.app.host.tp
 - ob.app.host.tp.cz

- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging.collection
 - com.ofss.fc.middleware.collection
 - com.ofss.fc.module.rest.ops
 - com.ofss.fc.reports.communications
 - com.ofss.fc.webservices.collection

Oracle Banking Enterprise Originations

- Shared Libraries
 - ob.app.client.coll
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.deposit
 - ob.app.client.fw
 - ob.app.client.lcm
 - ob.app.client.lending
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pm
 - ob.app.client.pricing
 - ob.app.client.sh
 - ob.app.host.communications
 - ob.app.host.cz
 - ob.app.host.fw
 - ob.app.host.lcm
 - ob.app.host.or
 - ob.app.host.party
 - ob.app.host.pm
 - ob.app.host.pricing
 - ob.app.host.sh
 - ob.app.host.tp
 - ob.app.host.tp.cz

- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging.or
 - com.ofss.fc.middleware.or
 - com.ofss.fc.module.rest.ops
 - com.ofss.fc.reports.communications
 - com.ofss.fc.webservices.or

Oracle Banking Platform

- Shared libraries
 - ob.app.client.coll
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.deposit
 - ob.app.client.fw
 - ob.app.client.lcm
 - ob.app.client.lending
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pm
 - ob.app.client.pricing
 - ob.app.client.sh
 - ob.app.host.coll
 - ob.app.host.communications
 - ob.app.host.cz
 - ob.app.host.deposit
 - ob.app.host.fw
 - ob.app.host.lcm
 - ob.app.host.lending
 - ob.app.host.or
 - ob.app.host.party
 - ob.app.host.pm
 - ob.app.host.pricing

- ob.app.host.sh
- ob.app.host.tp
- ob.app.host.tp.cz
- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging
 - com.ofss.fc.messaging.py
 - com.ofss.fc.middleware
 - com.ofss.fc.module.rest.ops
 - com.ofss.fc.reports.communications
 - com.ofss.fc.webservices

Figure 15–6 Host WebLogic Console

nob.app.client.coll(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
b.app.client.communications(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
nob.app.client.cz(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
👘 ob.app.client.deposit(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
nob.app.client.fw(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
👘 ob.app.client.lcm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
60.app.client.lending(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
6.app.client.or(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
6.app.client.party(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
nob.app.client.pm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
60.app.client.pricing(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
👘 ob.app.client.sh(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
👘 ob.app.host.coll(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
b.app.host.communications(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
👘 ob.app.host.cz(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
👘 ob.app.host.deposit(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
💑 ob.app.host.fw(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
👘 ob.app.host.lcm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
nob.app.host.lending(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
nob.app.host.or(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
nob.app.host.party(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
nob.app.host.pm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100
nob.app.host.pricing(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphost_cluster1	Global	100

- -

Figure 15–7 Host WebLogic Console

Dep	oyments							
Ins	tall Update Delete						Showing 1 to 90	of 90 Previous Next
	Name 🗞	State	Health	Туре	Targets	Scope	Domain Partitions	Deployment Order
	n adf.oracle.businesseditor(1.0,12.2.1.1.0)	Active		Library	AdminServer, obphost_cluster1	Global		100
	n adf.oracle.domain(1.0,12.2.1.1.0)	Active		Library	AdminServer, obphost_cluster1	Global		100
	n adf.oracle.domain.webapp(1.0,12.2.1.1.0)	Active		Library	AdminServer, obphost_cluster1	Global		100
	oherence-transaction-rar	Active	🖋 ОК	Resource Adapter	AdminServer, obphost_cluster1	Global		100
	E com.ofss.fc.app.connector	Active	🖋 ОК	Enterprise Application	obphost_cluster1	Global		80
	E com.ofss.fc.app.monitoring	Active	🖋 ОК	Web Application	obphost_cluster1	Global		100
	E com.ofss.fc.messaging	Active	🖋 ОК	Enterprise Application	obphost_cluster1	Global		100
	E Com.ofss.fc.messaging.py	Active	🖋 ОК	Enterprise Application	obphost_cluster1	Global		100
	E Com.ofss.fc.middleware	Active	🖋 ОК	Enterprise Application	obphost_cluster1	Global		100
	E com.ofss.fc.module.rest.ops	Active	🖋 ОК	Enterprise Application	obphost_cluster1	Global		100
	E com.ofss.fc.reports.communications	Active	🖋 ОК	Enterprise Application	obphost_cluster1	Global		100
	E com.ofss.fc.webservices	Active	🖋 ОК	Enterprise Application	obphost_cluster1	Global		100

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

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Figure 15–8 HOST admin wsm-pm validator

← → C (i) 10.180.85.195:7001/wsm-pm/validator

Policy Manager Status: Operational

Policies (183)

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

Figure 15–9 HOST managed wsm-pm validator

← → C (i) 10.180.85.195:8001/wsm-pm/validator

Policy Manager Status: Operational

Policies (183)

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

Additionally, the installer can verify the following:

JMS Resources and Security Credentials

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

17.3 SOA Domain Verification

To verify the SOA domain installation:

- 1. Start the SOA domain Admin and Managed servers (SOA and human task).
- 2. Navigate to the Summary of Deployments page.
- 3. Verify that the **Status** of the following Oracle Banking Platform libraries and human task files with .ear extension is *Active*.

Common (Applicable to all products)

- Shared Libraries
 - ob.app.client.coll
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.deposit
 - ob.app.client.fw
 - ob.app.client.lcm
 - ob.app.client.lending
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pm
 - ob.app.client.pricing
 - ob.app.client.sh
 - ob.ui.coll
 - ob.ui.communications
 - ob.ui.cz
 - ob.ui.deposit
 - ob.ui.fusion
 - ob.ui.lcm
 - ob.ui.lending
 - ob.ui.or
 - ob.ui.party
 - ob.ui.pm
 - ob.ui.pricing
 - ob.ui.sh
 - ob.ui.tp
 - ob.ui.tp.cz
- Ears
 - com.ofss.fc.app.ui.connector

Oracle Banking Enterprise Product Manufacturing

- Ears
 - · com.ofss.fc.workflow.ui.batchexceptionrecovery
 - com.ofss.fc.workflow.ui.brop
 - · com.ofss.fc.workflow.ui.common.approval
 - · com.ofss.fc.workflow.ui.hardshiprelief

Oracle Banking Enterprise Collections

- Ears
 - · com.ofss.fc.workflow.ui.batchexceptionrecovery
 - com.ofss.fc.workflow.ui.brop
 - com.ofss.fc.workflow.ui.CollectionWorkflowApplicationUI
 - · com.ofss.fc.workflow.ui.common.approval
 - com.ofss.fc.workflow.ui.hardshiprelief

Oracle Banking Enterprise Originations

- Ears
 - com.ofss.fc.workflow.ui.batchexceptionrecovery
 - com.ofss.fc.workflow.ui.brop
 - com.ofss.fc.workflow.ui.CapturePartyFinancialsHumanTask
 - com.ofss.fc.workflow.ui.common.approval
 - com.ofss.fc.workflow.ui.FeeNegotiationApprovalTask
 - · com.ofss.fc.workflow.ui.hardshiprelief
 - com.ofss.fc.workflow.ui.lcm.PerformManualAllocationUITask
 - com.ofss.fc.workflow.ui.lcm.valuation
 - com.ofss.fc.workflow.ui.origination
 - com.ofss.fc.workflow.ui.PartyMerge
 - com.ofss.fc.workflow.ui.ProcessLoanRolloverHumanTask

Oracle Banking Platform

- Ears
 - com.ofss.fc.app.ui.connector
 - com.ofss.fc.workflow.ui.batchexceptionrecovery
 - com.ofss.fc.workflow.ui.brop
 - com.ofss.fc.workflow.ui.CapturePartyFinancialsHumanTask
 - com.ofss.fc.workflow.ui.CollectionWorkflowApplicationUI
 - com.ofss.fc.workflow.ui.common.approval

- com.ofss.fc.workflow.ui.dda
- com.ofss.fc.workflow.ui.FeeNegotiationApprovalTask
- com.ofss.fc.workflow.ui.hardshiprelief
- com.ofss.fc.workflow.ui.lcm.PerformManualAllocationUITask
- com.ofss.fc.workflow.ui.lcm.valuation
- com.ofss.fc.workflow.ui.loans
- com.ofss.fc.workflow.ui.origination
- com.ofss.fc.workflow.ui.PartyMerge
- com.ofss.fc.workflow.ui.ProcessLoanRolloverHumanTask
- 4. Also verify that the standard SOA application soa-infra is in *Active* state.

Figure 15–10 SOA WebLogic Console

0	Cob.app.client.coll(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
8	Cob.app.client.communications(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
3	Cob.app.client.cz(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_duster1	Global	100
1	60.app.client.deposit(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
3	Cob.app.client.fw(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
8	Cob.app.client.lcm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
8	Cob. app. client.lending(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
0	Cob. app. client.or(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_duster1	Global	100
9	60.app.client.party(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
3	ob.app.client.pm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
3	Cob.app.client.pricing(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
D)	Cob.app.client.sh(2.6.2.0.0,2,6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
3	nob.ui.col(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_duster1	Global	100
3	ob.ul.communications(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
3	Cob.ul.cz(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
8	60b.ul.deposit(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_duster1	Global	100
8	Cob.ui.fusion(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
1	Cob.ul.lcm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
9	ob.ul.lending(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
3	Cob.uk.or(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
3	60.ui.party(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
3	Cob.us.pm(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
Ą	ob.ul.pricing(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100
10	ob.ui.sh(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	103
3	Cob.us.tp(2.5-2.0.0,2.6.2,3.0)	Active	Library	obshumantask duster1	Global	100
8)	Cob.uii.tp.cz(2.6.2.0.0,2.6.2.0.0)	Active	Library	obphumantask_cluster1	Global	100

Figure 15–11 SOA WebLogic Console

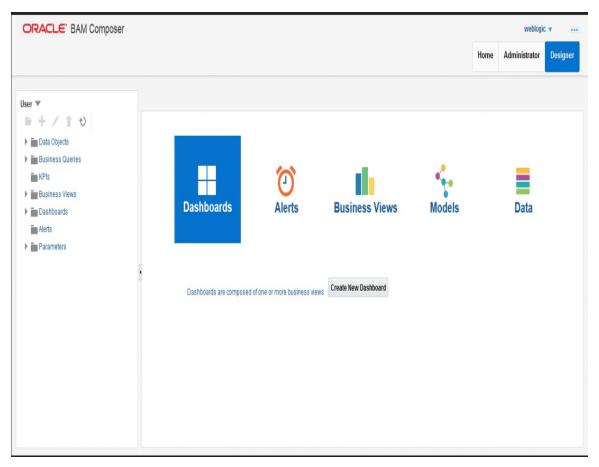
8	E Com.ofss.fc.workflow.ui.batchexceptionrecovery	Active	V OK	Enterprise Application	obphumantask_duster1	Global	100
	E com.ofss.fc.workflow.ui.brop	Active	🗸 ок	Enterprise Application	obphumantask_cluster1	Global	100
	E 🚰 com.ofss.fc.workflow.ui.CapturePartyFinancialsHumanTask	Active	🗸 ок	Enterprise Application	obphumantask_duster1	Global	100
0	E Consols.fc.workflow.ui.CollectionWorkflowApplicationUI	Active	🗸 ОК	Enterprise Application	obphumantask_cluster1	Global	100
8	E com.ofss.fc.workflow.ui.common.approval	Active	🗸 ОК	Enterprise Application	obphumantask_dusterI	Global	100
	⊯ 🕞 com.ofss.fc.workflow.ui.dda	Active	🕈 ОК	Enterprise Application	obphumantask_duster1	Global	100
	E Com.ofss.fc.workflow.ul.FeeNegotiationApprovalTask	Active	🕈 ОК	Enterprise Application	obphumantask_duster1	Global	100
	E 👸 com.ofss.fc.workflow.ui.hardshiprelief	Active	🗸 ок	Enterprise Application	obphumantask_duster1	Global	100
8	E com.ofss.fc.workflow.ui.low.PerformManualAllocation/JITTask	Active	✓ OK	Enterprise Application	obphumantask_duster1	Global	100
	E Com.ofss.fc.workflow.ui.lom.valuation	Active	🗸 ок	Enterprise Application	obphumantask_cluster1	Global	100
6	E Com.ofss.fc.workflow.ui.loans	Active	🖉 ок	Enterprise Application	obphumantask_duster1	Global	100
	E Com.ofss.fc.workflow.us.origination	Active	• ок	Enterprise Application	obphumantask_cluster1	Global	100
8	E Com.ofss.fc.workflow.ui.PartyMerge	Active	🗸 ОК	Enterprise Application	obphumantask_duster1	Global	100
	🗷 🔂 com.ofss.fc.workflow.ui.ProcessLoanRolloverHumanTask	Active	🗸 ок	Enterprise Application	obphumantask_duster1	Global	100

17.4 BAM Installation Verification

To verify the BAM installation:

- 1. Bring up the Admin and Managed servers (bam_server1).
- 2. Go to the BAM Login Page Link: http://<BAM_IP>:9003/bam/composer/faces/designer







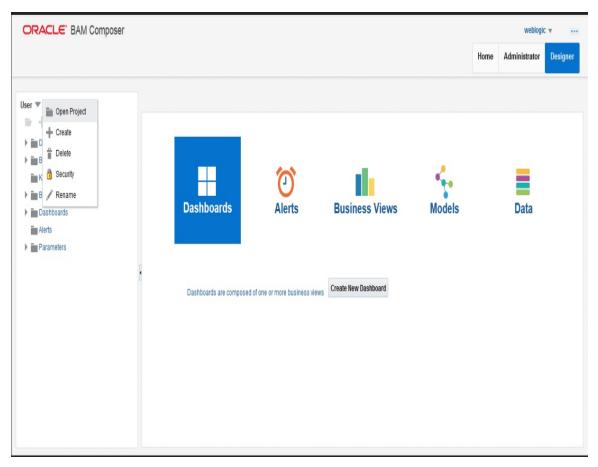


Figure 15–14 BAM Composer



ORACLE' BAM Composer						weblogi	
		Open Project	×		Home	Administrator	Designer
User V Data Objects Business Queries KPIs Dashboards Alerts Parameters	Dashboards are co	Select the project to open Application OperationsManager User	s Views	Models		Data	

17.5 BPM Worklist Window Setting

For BPM Worklist window setting, the option **Display task details in external window** must be set to enable mode. This option is present in administration mode of BPM Worklist as shown in Figure 15–16.

Figure 15–16 BPM Worklist Window Settings

BPM Worklist ×	🖸 Single Sign On - Login 🛛 🗙 🕂								0	x
	rklistapp/faces/administration.jspx		V C	Q, Search			☆自	. ♦	ø	≡
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18 Errors and Remedies

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

18.1 Oracle Banking Platform Domain Installation

In general, any environmental condition such as a network error that may lead to a halt in the installation is evident to you on the console itself. You can additionally inspect WLST logs created in logs directory under middleware for any anomalies.

While creating OBP SOA domain, ignore the following error:

Error: No domain or domain template has been read.

Error: No domain or domain template has been read.

Figure 16–1 OBP SOA Domain Error

```
Welcome to WebLogic Server Administration Scripting Shell
Type help() for help on available commands
Domain creation started...
Error: No domain or domain template has been read.
Error: No domain or domain template has been read.
Read domain /scratch/app/product/fmu/user_projects/domains/base_domain to applyJRF
Target JRF components to "obpsica cluster!"
Copying JRF configuration files from /scratch/app/product/fmu/user_projects/domains/base_domain in offline mode
Target JRF components to "obpsica":
Copying JRF configuration files from /scratch/app/product/fmu/user_projects/domains/base_domain/config/fmuconfig/servers/soa_serv
er1
Update JRF configuration files from /scratch/app/product/fmu/oracle_common/modules to /scratch/app/product/fmu/user_projects/domains/base_domain/config/fmuconfig/servers/obphuman
task_server1
Update JRF changes to domain /scratch/app/product/fmu/oracle_common/modules to /scratch/app/product/fmu/user_projects/domains/base_domain/config/fmuconfig/servers/obphuman
task_server1
Domain created successfully
Domain Created Su
```

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

18.2 Oracle Banking Platform Security Policy Seeding

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

18.3 Oracle Banking Platform Domain Post Installation

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

obp-* logs

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

WebLogic Admin Server Logs and stderr file

The script does domain level configurations that require several automated reboots of admin server, which can be monitored by checking the WebLogic admin server logs and stderr file created under obp-domaindir/servers/AdminServer/stderr.log. For instance, consider a scenario of Oracle Banking Platform Host installation in which once the post install script for Oracle Banking Platform host has secured itself against a LDAP (OID/OVD) it proceeds to restart the Oracle Banking Platform Host domain admin server to produce these changes. During this if due to a momentary network failure the host machine is unable to make a connection to LDAP then the admin server would fail to start. This will result in the post install script to abruptly abort throwing a subsequent script error (again which might not conclusive enough to point out the root cause). The 'obp-*' logs created in the Oracle Banking Platform Host domain would indicate an incomplete attempt by post install script to start the admin server.

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

stderr log, WebLogic Domain Managed Server logs, OFSS logs

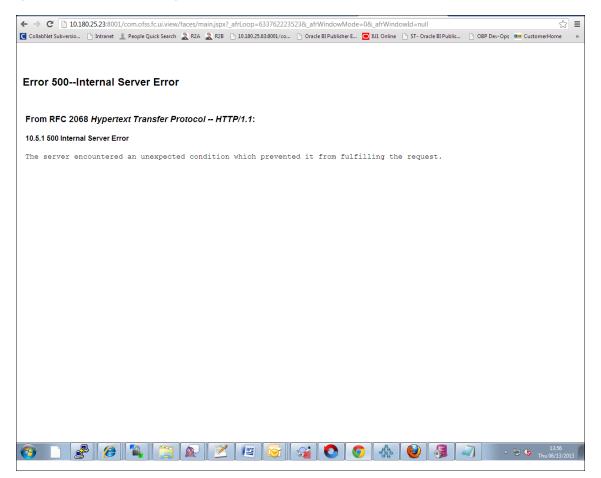
Once the post install script is completed successfully, you can start the domain servers and enter a dummy transaction to check the system correctness. If you face an error you can inspect the stderr log, the WebLogic domain managed server logs as well as the ofss logs under domain directory.

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

18.4 Error on First Log in

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

Figure 16–2 Error on First Log In



In this case, remove the part of the url after '/main.jspx', and then hit the rest of the url (Example: https://10.180.25.23:8001/com.ofss.fc.ui.view/faces/main.jspx) again.

18.5 Log in Issues

If there is a problem during logging in the main page, you can check whether the home branch and business unit of the user in OID are the same with the Host DB table. Use the following query to verify it in database:

```
select * from flx_cs_branches_b;
select * from flx_me_business_unit_b;
```

If there is mismatch between the database and OID, make change in OID to match with the database.

18.6 SOA Setup in Cluster

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

18.6.1 "COMPONENTTYPE": invalid identifier error

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

Internal Exception: java.sql.SQLSyntaxErrorException: ORA-00904:

"COMPONENTTYPE": invalid identifier

Though this is not a fatal kind of exception, it can be resolved by adding one more column **componenttype** of size **10** with **char** type in **soainfra** schema for table **cluster_master**.

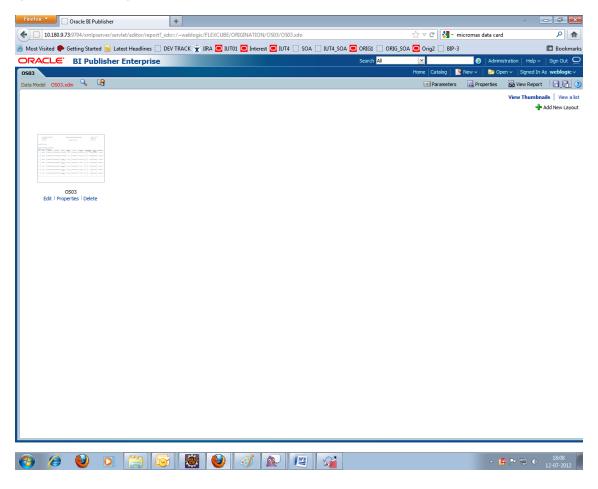
For example on Oracle database user needs to run the following command on soainfra schema:

alter table cluster master add (componenttype varchar2(10));

18.7 BIP Report Data Model Linkage Problem after Host Post Installation Step

After editing a report, click the magnifying glass icon select the data model associated with this report. (Here oso3.xdm in red indicates that the data model is not properly connected with the report or that the report is not able to find the model at the location that it is referring)

Figure 16–3 Selecting the Data model



Note

The above step is to be carried out in case the data model of a report has not correctly linked with a report, after reports are deployed in BIP server in Host Post Installation step.

18.8 Oracle BAM Command Utility Issue

This is not an issue. This occurs if Oracle BAM is installed for the second time on the same machine.

The following message appears:

Oracle BAM Command Utility [Build 19427, BAM Repository Version 2025] Copyright © 2002, 2015.

Oracle and/or its affiliates. All rights reserved.

java.lang.SecurityException: User: weblogic, failed to be authenticated.

[ErrorSource="javax.security.auth.login.LoginException: java.lang.SecurityException: User: weblogic, failed to be authenticated."]

The solution or pre-requisite before a second installation is to alter the following file:

<MIDDLEWARE_HOME>/soa/bam/config/BAMICommandConfig.xml

In this file, remove the following tags:

```
<ICommand_Default_User_Name>weblogic</ICommand_Default_User_Name>
<ICommand_Default_
Password>HkFBFDf0t65Kuw9/I70cnwXPYIXKz/OElhl0ID+qjdw=</ICommand_
Default_Password>
```

18.9 BPM Worklist Task Issue

If the BPM Task [Humantask] is not working after installation and you get a backend error indicating access denied, then:

1. Add the following parameters in setStartupEnv.sh for obphumantask_server1.

Djavax.xml.parsers.DocumentBuilderFactory=com.sun.org.apache.xerces.internal.jaxp.DocumentB uilderFactoryImp

- ا

Djavax.xml.transform.TransformerFactory=com.sun.org.apache.xalan.internal.xsltc.trax.Transformer FactoryImpl

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

And jps-config.xml

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

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

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

2. Restart it.

Figure 16–4 BPM Worklist Task issue

Not secure Der 5/10.180.86.237 OIP Der Opt Log Monitoring Phi BPM Worklist							\$
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APP301020100005544	A - Ne & My Oroup Al	• Assigned • 🖄 🗽	•				
Title				Number	Creator	Assigned	Priority
Verify Application APP301020190005544 a	nd Submission SUB30102016600644	s		200051	TestUser	Aul 29, 2017 12:53	3.
Structure Solution of Credit Card Applicatio	n APP301020160005544 and Submit	pon SUB301020160008445		200050	Teotizer	Jul 29, 2017 12 53	3
	cted condition which	prevented it from fulfill	ing the request.				
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18.10 Artifacts Issue for SM500 page

If artifacts are not available for SM500, execute the load-artifacts.sh script present at the host installable path.

For example,

sh /scratch/install/ load-artifacts.sh

Figure 16–5 Artifacts Issue for SM500 page

🚯 Oracle Test Manager 🛛 🗴 🙀 [OBPR2601-1934] LNIL00_res: 🛪 🧰 Oracle Banking Platform 🛛 🗴 📮 Oracle Banking Platform 🗴 🗧				0 ×
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General Details Permissions Approved Checks Service Attributes Service Javadoc		- P	\$f 12 to	12:15 PM 6/16/2017

18.11 ra/FCRJConnectorSOA connector issue

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

Caused By: javax.resource.spi.ApplicationServerInternalException: Unable to get a connection for pool = "ra/FCRJConnectorSOA", weblogic.common.resourcepool.ResourceUnavailableException: No resources currently available in pool ra/FCRJConnectorSOA to allocate to applications. Either specify a time period to wait for resources to become available, or increase the size of the pool and retry.

at weblogic.connector.outbound.ConnectionManagerImpl.getConnectionInfo (ConnectionManagerImpl.java:458)

Set the Max Capacity size to 50 and Highest Num Waiters to 15 as shown in the below figure and redeploy the connector on Humantask server.

Figure 16–6 Settings for javax.resource.cci.ConnectionFactory page

	dministration Console 12c		Q
Change Center	😭 Home Log Out Preferences 🔛 Record Help		Welcome, weblogic Connected to: base_domain
View changes and restarts	Home s Summary of Deployments sconsdal/cappul.comeetor sconsdal/capmeetor.are sRoles sconsdal/capmeetor.are sSummary of Deployments sconsdal/capmeetor.are sSummary o		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Settings for javax.resource.cci.ConnectionFactory General Properties Transaction Authentication Connection Pool Logging		
Lock & Edit Release Configuration	Save The page allows you to view and modify the pool parameters of this outbound connection.		
Domain Structure bess_domain ⊕ Found Particles ⊕ Environment → Desphyrmeth → Desphyrmeth → Services → Services	Initial Capacity:	1	The initial number of connections in the pool. More Info
	fax Capacity:	50	The maximum number of connections in the pool. More Info
	Capacity Increment:	1	The number of connections created when new connections are added to the connection pool. More Info
	Shrinking Enabled:	true 💌	Should unused connections be removed from the pool? More Info
	Shrink Frequency Seconds:	900	The number of seconds to wait before shrinking a connection pool that has incrementally increased to meet demand. (You must also enable connection pool shrinking.) More Info
How do I	Highest Num Unavailable:	0	The Highest Num Unavailable of this outbound connection. More Info
	Highest Num Waiters:	15	The Highest Num Waiters of this outbound connection. More Info
System Status E Health of Running Servers as of 3:50 PM	Connection Creation Retry Frequency Seconds:	0	The number of seconds between attempts to establish connections to the database. More Info
Faled (0) Critical (0) Overloaded (0) Warning (0)	Connection Reserve Timeout Seconds:	-1	The Connection Reserve Timeout Seconds of this outbound connection. More Info
	Test Frequency Seconds:	0	The frequency, in seconds, to test connections in this outbound connection pool. More Info
OK (3)			

18.12 Humantask Startup Issue

If Humantask server is not coming up in running mode after installation and if you face below mentioned error,

<Nov 21, 2017, 7:40:52,638 PM GMT+05:30> <Error> <Socket> <BEA-000403> <IOException occurred on socket: Socket[addr=/10.180.35.5,port=57761,localport=7001]

weblogic.socket.MaxMessageSizeExceededException: Incoming message of size: '10000080' bytes exceeds the configured maximum of: '10000000' bytes for protocol: 't3'.

weblogic.socket.MaxMessageSizeExceededException: Incoming message of size: '10000080' bytes exceeds the configured maximum of: '10000000' bytes for protocol: 't3'

at weblogic.socket.BaseAbstractMuxableSocket.incrementBufferOffset (BaseAbstractMuxableSocket.java:212)

at weblogic.socket.BaseAbstractMuxableSocket.incrementBufferOffset (BaseAbstractMuxableSocket.java:188)

at weblogic.rjvm.t3.MuxableSocketT3.incrementBufferOffset(MuxableSocketT3.java:675)

at weblogic.socket.SocketMuxer.readFromSocket(SocketMuxer.java:1004)

at weblogic.socket.NIOSocketMuxer.readFromSocket(NIOSocketMuxer.java:771)

Truncated. see log file for complete stacktrace

>

Update the setDomainEnv.sh configuration file by setting MaxMessageSize for server as,

```
EXTRA_JAVA_PROPERTIES="${EXTRA_JAVA_PROPERTIES}-
Dweblogic.MaxMessageSize=50000000"
```

```
export EXTRA_JAVA_PROPERTIES
```

18.13 Collection Mocking

By default collection is enabled in enterprise application. For mocking collection, perform the following steps:

1. Execute the following SQL queries in application database:

```
update flx_fw_config_all_b set prop_value='false' where prop_
id='collection.bootstrap' and category_id='root';
update flx_fw_config_all_b set prop_value='false' where prop_
id='collection.webservice.bootstrap' and category id='root';
```

2. Update the setDomainEnv.sh configuration file on HOST server with the following parameters:

EXTRA_JAVA_PROPERTIES="\${EXTRA_JAVA_PROPERTIES} -DAdapterFactories:INS_COLLECTION_ADAPTER_MOCKED=true -DAdapterFactories:PARTY_COLLECTION_ADAPTER_MOCKED=true -DAdapterFactories:LN_COLLECTION_ADAPTER_MOCKED=true -DAdapterFactories:ACCOUNT_COLLECTION_ADAPTER_MOCKED=true -DAdapterFactories:ACCOUNT_COLLECTION_ADAPTER_MOCKED=true -DAdapterFactories:DDA_COLLECTION_ADAPTER_MOCKED=true -DAdapterFactories:AC_COLLECTION_ADAPTER_MOCKED=true -DAdapterFactories:AC_COLLECTION_ADAPTER_MOCKED=true -DAdapterFactories:CS_COLLECTION_ADAPTER_MOCKED=true -DAdapterFactories:CS_COLLECTION_ADAPTER_MOCKED=true -

3. Restart the HOST managed server.

18.14 DDA, Party and LOAN Mocking for OBEO installer

For DDA, Party and LOAN Mocking, perform the following steps:

1. Update the setDomainEnv.sh configuration file on HOST server with the following parameters:

EXTRA_JAVA_PROPERTIES="\${EXTRA_JAVA_PROPERTIES} -DAdapterFactories:ACCOUNT_DDA_MOCKED=true -DAdapterFactories:ACCOUNT_LOAN_MOCKED=true -DAdapterFactories:PARTY_ENTITLEMENT_ADPT_MOCKED=true " export EXTRA_JAVA_PROPERTIES

2. Restart the HOST managed server.

19 Uninstalling the Application

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

19.1 Manual Uninstall

Currently an installed Oracle Banking Platform WebLogic domain can be uninstalled manually by removing following directories:

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