Oracle® Banking Enterprise Originations

Localization Installation Guide - Silent Installation Release 2.12.0.0.0 **F42013-01**

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Preface

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

This preface contains the following topics:

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

Audience

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

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

Documentation Accessibility

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Organization of the Guide

This document contains:

Chapter 1 Getting Started

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

Chapter 2 Pre-Installation Configuration

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

Chapter 3 OBEO Localization SOA Media Pack Installation

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

Chapter 4 OBEO Localization Host Media Pack Installation

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

Chapter 5 OBEO Localization Presentation Media Pack Installation

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

Chapter 6 BAM Installation using OBEO Localization SOA Media Pack

This chapter explains the steps involved in the installation of Oracle Business Activity Monitoring (BAM) using OBEO SOA (Integration Server) Media Pack.

Chapter 7 Standalone Database Setup

This chapter explains the steps involved in Oracle Banking Enterprise Originations database.

Chapter 8 OBEO and IPM Integration

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

Chapter 9 OAS (BIP) Datasource Creation

This chapter explains the steps required for Oracle Analytics Server (OAS) (formerly known as BIP or Business Intelligence Publisher) datasource creation.

Chapter 10 ODI Configuration

This chapter explains the steps involved in the configuration of ODI using OBEO Host Media Pack.

Chapter 11 Monitoring Servers Using Oracle Enterprise Manager

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

Chapter 12 Post Installation Verification

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

Chapter 13 Errors and Remedies

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

Chapter 14 Uninstalling the Application

This chapter explains the process of uninstalling the Oracle Banking Enterprise Originations.

Related Documents

For more information, see the following documentation:

- For information necessary for the installation and configuration of integration components to create a complete solution using Oracle Banking Enterprise Originations and Oracle Documaker, see the installation and configuration guides at https://docs.oracle.com/cd/F30719_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 Enterprise Originations Security Guide.

- For the complete list of licensed products and the third-party licenses included with the license, see the Oracle Banking Enterprise Originations Licensing Guide.
- For information related to setting up a bank or a branch, and other operational and administrative functions, see the Oracle Banking Enterprise Originations Administrator Guide.
- For information related to customization and extension, see the Oracle Banking Enterprise Originations Extensibility Guides for SOA, HOST, and UI.
- For information on the functionality and features, see the respective Oracle Banking Enterprise Originations Functional Overview document.
- For recommendations of secure usage of extensible components, see the Oracle Banking Enterprise Originations Secure Development Guide.

Conventions

The following text conventions are used in this document:

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

The following acronyms are used in this document:

Acronym	Meaning	
ADF	Application Development Framework	
BAM	usiness Activity Monitoring	
BPEL	Business Process Execution Language	
DB or db	Oracle Database	
HOST	Middleware Host Tier	
IAM	Identity and Access Management	
IPM	Imaging and Process Management	
LDAP	Lightweight Directory Access Protocol	
OAS	Oracle Analytics Server	
OAAM	Oracle Adaptive Access Manager	
OBEO	Oracle Banking Enterprise Originations	
ODI	Oracle Data Integrator	

Acronym	Meaning	
OEL	Oracle Enterprise Linux	
OEM	racle Enterprise Manager	
OID	Pracle Internet Directory	
OIM	Oracle Identity Manager	
OLTP	Online Transaction Processing	
OPSS	Oracle Platform Security Services	
RCU	Repository Creation Utility	
sh	Unix Shell file	
SOA	Service Oriented Architecture Tier	
SVN	Source Code Version Repository	
UI	User Interface, that is Presentation Tier	
VM	Virtual Machine	
WLS	WebLogic Server	

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1 Getting Started

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

1.1 About Oracle Banking Enterprise Originations

Oracle Banking Enterprise Originations (OBEO) enables banks to move from product-centric to customercentric services, simplifying complex origination processes and delivering frictionless customer experiences across the originations lifecycle. Banks can consider deploying Oracle Banking Enterprise Originations, both as an independent standalone project or as a starting point for a broader progressive modernization program. The solution is built using standard enterprise components, provides efficient process automation, and is available on premise, on the cloud, or through a hybrid model. Oracle Banking Enterprise Originations enables banks to deliver cross-channel consistent origination experience wherein the customers can use any channel they prefer. The solution operates across channels, providing a common origination process for both assistedand self-service customers. The process also allows customers to utilize different access points, so they may begin the process in one channel, yet use alternative channels to complete the process.

1.2 About This Document

This document guides you through the installation of the core banking application Oracle Banking Enterprise Originations along with AU or US localization. This document guides in deploying the following parts of the application:

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

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

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

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

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

1.3 Assumptions

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

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

- The Oracle Banking Enterprise Originations AU or US localization 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 OBEO 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 OBEO AU or US localization installation.

1.4 Limitations

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

1.5 Exclusions

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

2 Pre-Installation Configuration

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

2.1 Setup Prerequisites

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

2.1.1 Hardware Environment

The minimum hardware requirements for Oracle Banking Enterprise Originations 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 7.5 64 bit	Oracle Banking Enterprise Originations Oracle Database
2	4	32	200	OEL 7.5 64 bit	Oracle Banking Enterprise Originations ADF UI Presentation Server
3	4	32	200	OEL 7.5 64 bit	Oracle Banking Enterprise Originations 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 OAS certification matrix.	Oracle Analytics 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

2.1.2 Software Environment

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

2.1.2.1 Certification Details

The following software are mandatory:

Table 2–2 List of Software	Table	2–2	List	of Se	oftwa	re
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Sr. No.	Components	Zone	Software	
1	OBEO UI Presentation	Banking App	Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_281) Oracle Linux 7.5 64-bit	
2	SOA	Banking App	Oracle SOA Suite 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_281) Oracle Linux 7.5 64-bit	
3	OBEO HOST	Banking App	Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Oracle Database 19c Enterprise Edition Release 19.8 Java Version jdk1.8.0_xx (jdk1.8.0_281) Oracle Linux 7.5 64-bit	
4	OID	Security	Oracle Internet Directory 12.2.1.4.0 Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_281) Oracle Linux 7.5 64-bit	
5	OAS	Document	Oracle Analytics Server (5.5) Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_281) Oracle Linux 7.5 64-bit	
6	IPM	Document	Oracle WebCenter - Content 12.2.1.4.0 Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_281) Oracle Linux 7.5 64-bit	
7	OSB	Integration	Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Oracle Service Bus 12c (12.2.1.4.0). Java Version jdk1.8.0_xx (jdk1.8.0_281) Oracle Linux 7.5 64-bit	
8	ODI	Integration	Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Oracle Data Integrator 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_281) Oracle Linux 7.5 64-bit	
9	OIM	Security	Oracle Identity Manager 12.2.1.4.0	
	1	1	I	

Sr. No.	Components	Zone	Software
			Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_281) Oracle Linux 7.5 64-bit
10	ОАМ	Security	Oracle Access Manager 12.2.1.4.0 Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_281) Oracle Linux 7.5 64-bit
11	OEM	Management	Oracle Enterprise Manager 13.2.0.0.0 As per certification matrix of Oracle Enterprise Manager 13.2.0.0.0
12	EM Agent Installation	Management	Push from OEM Console
13	OBEO Database	Database	Oracle Database 19c Enterprise Edition Release 19.8 Oracle Linux 7.5 64-bit
14	HTTP Server	Web Server	Oracle HTTP Server 12.2.1.4.0.
15	BAM	Banking App	Oracle SOA Suite and Business Process Management 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_281)

The following are some notes related to the software.

Serial Number	Description
1	OBEO release has been certified with OEL version 7.5 during the release cycle. It is strongly recommended to use the versions on which the release is certified.
2	Oracle Business Intelligence Publisher is required at the time of OBEO installation. It is required to use the actual BIP property values during the installation. This is required as the installer uploads the OBEO reports as onto the BIP server as part of the middleware host installation process.
	ODI_OUTBOUND_USERNAME and ODI_OUTBOUND_PASSWORD
	The OBEO 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 property of com.ofss.fc.app.connector.ear application inside middleware host server after the entire installation completes.
4	The OBEO installer will not abort the installation if this component is not present. It can be installed later.

Serial Number	Description				
	It is strongly recommended to use the actual property values instead of default property values during the installation. Else, these properties have to be manually updated in Host Database after the entire installation completes.				
	OIM_OUTBOUND_USERNAME and OIM_OUTBOUND_PASSWORD The OBEO 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 OBEO 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 Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy Files 8 jce_policy-8.zip from the following link:				
9	http://www.oracle.com/technetwork/java/javase/downloads/jce-all-download-5170447.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 OBEO reads and understands the system requirements and specifications for the fusion middleware specified in the following link:				
	https://docs.oracle.com/en/middleware/fusion-middleware/12.2.1.4/sysrs/system- requirements-and-specifications.html#GUID-B648EA24-ABB4-42CA-B8F2-4B535D5EC8DB				
10	The url details the system and platform-specific information for Oracle Fusion Middleware 12c Release 1 (12.2.1.4.0) products.				
10	Changes necessary at a system level for the fusion middleware should be made prior to executing OBEO media packs.				
	For example, the number of open files should be increased from the default value as specified in the following link:				
	https://docs.oracle.com/en/middleware/fusion-middleware/12.2.1.4/sysrs/system- requirements-and-specifications.html#GUID-F800C79F-A8CA-4A80-A4E9-97BC8E264889				
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 OBEO application binaries.				
12	It is mandatory for SOA Suite to be installed in machine nodes on which OBEO BAM Installation is planned.				
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				

Serial Number	Description
	conventions, should be added after the media pack installation is complete.
14	Oracle SOA Suite 12.2.1.4.0 patches - p30995852_122140_Generic.zip, p31199221_ 12214200304_Generic.zip, p30970477_122140_Generic.zip, p30729380_122140_ Generic.zip have to be applied on SOA machine only. This can be downloaded from the following link: https://support.us.oracle.com/

2.1.2.2 Optional

The following software is optional:

Oracle VM server release 2.2.0

2.1.2.3 Patching

OPatch is a patching utility in OBEO 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).

2.2 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

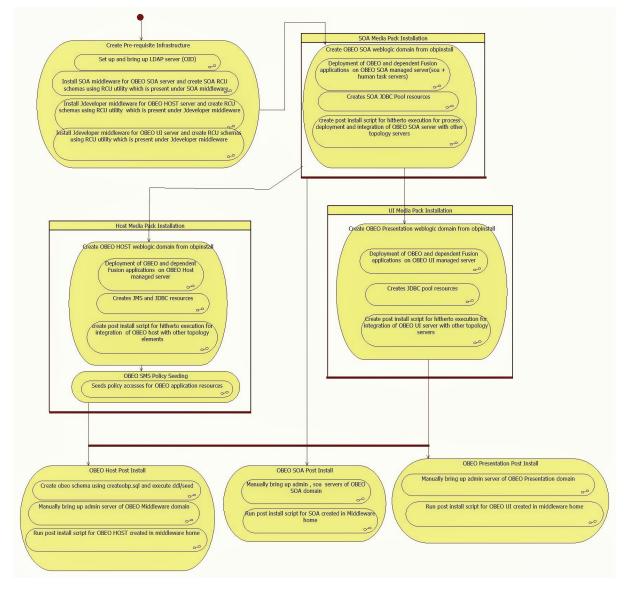
For example, url: http://<Ip>:<Port>/com.ofss.fc.webservice/services/sms/TransactionBlackoutApplicationServiceSpi ?wsdl

- 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>/.

2.3 Installation Process Overview

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





2.4 Installation Checklist

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

https://docs.oracle.com/en/middleware/fusion-middleware/12.2.1.4/sysrs/system-requirements-and-specifications.html#GUID-B648EA24-ABB4-42CA-B8F2-4B535D5EC8DB

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

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

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

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

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

2.4.1 XD Components

The following table provides a list of XD components.

Table	2–4	XD	Com	ponents
-------	-----	----	-----	---------

Sr. No.	Name	Value	Description
1	XD_COMPONENT_ NAME	batchhost	Value for batch host sever, Policy seeding and BIP reports upload will be done with this batch host server installation
2	XD_COMPONENT_ NAME	obepmhost	Value for obepm server (Product Manufacturing)
3	XD_COMPONENT_ NAME	obeohost	Value for obeo server (Origination)
4	XD_COMPONENT_ NAME	obpmhost	Value for obpm server (Party)
5	XD_COMPONENT_ NAME	obeprhost	Value for obpr server (Pricing)
6	XD_COMPONENT_ NAME	obccmhost	Value for obccm server (LCM)
7	XD_COMPONENT_ NAME	obshhost	Value for obshared server
8	XD_COMPONENT_ NAME	obpui	Value for obeo UI server
9	XD_COMPONENT_ NAME	obpsoa	Value for obeo SOA

2.4.2 Updating installobp***.properties

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

Sr.N o	Name	Description	Example Value	Value
1	SILENT_INSTALL	Flag for installing silent or interactive mode	Y	
2	OID_FARM_AND_ POLICY_ SEEDING_FLAG	Flag for policy seeding	Y	
3	IPM_INSTALLED	Flag to make sure IPM is installed	Y	
4	BIP_INSTALLED	Flag to make sure BIP is installed	у	
5	BIP_REPORTS_ UPLOADING_FLAG	Flag for BIP reports uploading	Y	This value must be 'Y' for batch host installatio n and for other XD host installatio n value must be 'N'
6	REMOTE_ EXECUTION	Flag for executing installer remotely	Y	
7	SECURITY_ ENABLED	Flag for security enable	Y	
8	LOCAL_IP	I/P of the local machine which could be a windows machine on which software like XManager is installed for rendering UI of a utility executing on a remote Linux server.	10.180.84.110	
9	LOCAL_DISPLAY_ VALUE	Value of DISPLAY variable to be	0	

Table 2–5 Values for updating installobp***.properties - FOR HOST

Sr.N o	Name	Description	Example Value	Value
		exported to generate installation wizard in local machine		
10	DOMAIN_NAME	Weblogic Domain name	host_domain or ui_domain	Can give any logical name
11	XD_COMPONENT_ NAME	XD Component value	batchhost	This will be always batchhost
12	LOCALIZATION_ TYPE	Type of localization	US	Depends on localizatio n type
13	DOMAIN_ DIRECTORY_ LOCATION	Location where DOMAIN_NAME folder will be created	/scratch/app/product/fmw/user_ projects/domains	
14	WEBLOGICUSERNAME	Username for weblogic domain	weblogic	
15	WEBLOGIC_ PASSWORD	Password for weblogic domain	weblogic1	
16	ADMIN_SERVER_ LISTEN_ADDRESS	Admin server listen address	10.180.84.110 (Do not use localhost)	
17	ADMIN_SERVER_ LISTEN_PORT	Admin server listen port	7001	
18	ADMIN_SERVER_ SSL_LISTEN_ PORT	Admin server SSL listen port	7002	
19	MANAGED_ SERVER_LISTEN_ ADDRESS	Managed server listen address	10.180.84.110	
20	MANAGED_ SERVER_LISTEN_ PORT	Managed server listen port	8001	
21	MANAGED_ SERVER_SSL_ LISTEN_PORT	SSL listen port for managed server	8002	
22	LDAP_PROVIDER	Refers to LDAP	OID	

Sr.N o	Name	Description	Example Value	Value
		Provider .Value will be OID or OVD.		
23	OID_IP	I/P address of the OID server.	10.180.84.113	
24	OID_PORT	Port of the OID process instance.	3060	
25	OID_ADMIN_USER	Admin user id which can be used to login of the OID as administrator.	cn= orcladmin	
26	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
27	OID_GROUP_DSN	The DSN used for object class Groups in the OID Idap.	cn=Groups,dc=in,dc=oracle,dc=com	
28	OID_USER_DSN	The DSN used for object class Users in the OID Idap.	ou=obp,cn=Users,dc=in,dc=oracle,dc= com	
29	NODE_MGR_ PORT	Refers to the port number to be used for the weblogic node manager. This port should either be free on the UI Presentation server or an existing weblogic node manager should be installed to listen on this port when the same is started.	5556	

Sr.N o	Name	Description	Example Value	Value
30	HOST_CLUSTER_ NAME	Refers to HOST cluster name	obphost_cluster1	Can give any logical name
31	HOST_SERVER_ NAME	Refers to HOST server name	obphost_server1	Can give any logical name
32	HOST_JAVA_ HOME	Refers to the home directory of java installation of the host machine. The version of java installed should be 1.8.0 or above. This is used to execute the OBP security policy seeding utility at the end of the installation.	/scratch/app/product/jdk1.8.0_231	
33	OUI_JAVA_HOME	Refers to the home directory of java installation. The version of java installed should be 1.8.101. This is used for OBP patching.	/scratch/app/product/jdk1.8.0_231	
34	CENTRAL_ INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oraInventory	
35	HOST_IP	I/P address of the server on which the OBP host or middleware layer should be installed.	10.180.84.110(Always use i/p , don't use localhost)	

Sr.N o	Name	Description	Example Value	Value
36	HOST_TARGET	Refers to a location on the Host server where the installable can be transferred. The user id used for installation of OBP should have read, write and execute privileges on this directory.	/scratch/install/target	
37	HOST_MW_HOME	Refers to the middleware home of the weblogic installation on the Host server.	/scratch/app/product/fmw	
38	UI_ADMIN_ SERVER_LISTEN_ ADDRESS	Listen address of UI Admin server	10.180.84.111	
39	UI_ADMIN_ SERVER_LISTEN_ PORT	Listen port of UI Admin server	7001	
40	UI_MANAGED_ SERVER_LISTEN_ ADDRESS	Listen address of UI managed server	10.180.84.111	
41	UI_MANAGED_ SERVER_LISTEN_ PORT	Listen port of UI managed server	8001	
42	UI_MANAGED_ SERVER_SSL_ LISTEN_PORT	Listen ssl port of UI managed server	8002	
43	UI_IP	I/P address of the server on which the OBP presentation or UI layer should be installed.	10.180.84.111	
44	SOA_ORACLE_ HOME	Name of Oracle SOA which is present in fusion middleware.	soa	

Sr.N o	Name	Description	Example Value	Value
45	SOA_IP	i/p address of SOA machine	10.180.84.112	
46	SOA_UNIX_USER	Unix username of SOA machine	ofssobp	
47	SOA_MW_HOME	Refers to the middleware home of the weblogic installation on the SOA server.	/scratch/app/product/fmw	
48	SOA_DOMAIN_ NAME	Refers to the middleware home of the weblogic installation on the SOA server.	base_domain	
49	SOA_MANAGED SERVER_LISTEN_ ADDRESS	Listen address of SOA server	10.180.84.112	
50	SOA_ADMIN_ SERVER_LISTEN_ PORT	Listen port of SOA Admin server	7001	
51	SOA_MANAGED_ SERVER_LISTEN_ PORT	Listen port of SOA server	8001	
52	SOA_WEBLOGIC_ USERNAME	Username of the server of SOA domain	weblogic	
53	SOA_WEBLOGIC_ PASSWORD	Password of the server of SOA domain	weblogic1	
54	UI_UNIX_USER	Linux login user id used to install the OBP UI solution.	ofssobp	
55	UI_DOMAIN_ HOME	Refers to the domain name to be used for the weblogic domain of the OBP Presentation server	/scratch/app/ product /fmw/user_ projects /domains /ui_domain	
56	BIP_SERVER_IP	I/P of the BIP server to host OBP reports	10.180.84.115	

Sr.N o	Name	Description	Example Value	Value
57	BIP_SERVER_ PORT	Port of the BIP server that hosts OBP reports	9502	
58	BIP_UNIX_USER	Linux login user id for BIP server	ofssobp	
59	BIP_MW_HOME	Oracle BIP Middleware directory on BIP server	/scratch/app/product/fmw	
60	BIP_HOME	Oracle BIP Home directory on BIP server	/scratch/app/product/fmw/bi	
61	BIP_JAVA_HOME	Orace JAVA HOME directory on BIP server	/scratch/app/product/jdk1.8.0_281	
62	BIP_SERVER_ USER	Oracle BIP server user id	weblogic	
63	BIP_SERVER_ PSWD	Oracle BIP server user password	weblogic1	
64	BIP_CATALOG_ NAME	OBP BIP Catalog Name will be same as Host database user	OBP2712	
65	BIP_ DATASOURCE_ NAME	OBP Host database user used by OBP report to fetch data for reports	OBP2712	
66	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
67	IPM_UNIX_USER	Linux login user id for IPM server	ofssobp	
68	IPM_SERVER_IP	IP of Oracle Image and Processing Server for OBP Content Management	10.180.84.114	
69	IPM_SERVER_ PORT	Port of Oracle Image and Processing Server	16000	

Sr.N o	Name	Description	Example Value	Value
		for OBP Content Management		
70	IPM_MW_HOME	Oracle weblogic Home directory on IPM server	/scratch/app/product/fmw	
71	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ ECM1	
72	OBP_HOST_DB_ USER	OBP Host database user/schema	OBEDMUS211	
73	OBP_HOST_DB_ PASSWORD	OBP Host database password	welcome1	
74	OBP_HOST_DB_IP	OBP Host database i/p address	10.180.84.113	
75	OBP_HOST_DB_ PORT	OBP Host database port	1521	
76	OBP_HOST_DB_ SERVICE_NAME	OBP Host database service name	P84113A	
77	ONS_NODE	i/p address of ONS service	10.180.84.113	
78	ONS_PORT	Listen port of ONS service	6200	
79	OPSS_HOST_ SCHEMA_USER	HOST OPSS Host schema user	COLLMW_OPSS	
80	OPSS_HOST_ SCHEMA_ PASSWORD	OPSS Host schema password	welcome1	
81	OPSS_HOST_DB_ IP	OPSS Host DB IP	10.180.84.113	
82	OPSS_HOST_DB_ PORT	OPSS Host DB Port	1521	
83	OPSS_HOST_DB_ SERVICE_NAME	OPSS Host database service name	P84113A	

Sr.N o	Name	Description	Example Value	Value
84	LOCAL_ DATASOURCE	STB datasource schema name	COLLMW_STB	
85	WLS_RUNTIME_ SCHEMA_USER	WLS runtime datasource schema name	COLLMW_WLS_RUNTIME	
86	MDS_HOST_DB_ USER	MDS schema user to be used by UI and Host domain	COLLMW_MDS	
87	MDS_HOST_DB_ PASSWORD	MDS schema Password of MDS schema user to be used by UI and Host domain	welcome1	
88	MDS_HOST_DB_IP	MDS DB IP address of MDS schema user to be used by UI and Host domain	e 10.180.84.113	
89	MDS_HOST_DB_ PORT	MDS db port of MDS schema user to be used by UI and Host domain	1521	
90	MDS_HOST_DB_ SERVICE_NAME	MDS db service name of MDS schema user to be used by UI and Host domain	P84113A	
91	OPSS_SOA_ SCHEMA_USER	SOA OPSS schema name	SOA27_OPSS	
92	OPSS_SOA_ AUDIT_DBDS	SOA OPSS Audit schema name	SOA27_IAU_APPEND	
93	OPSS_SOA_ AUDIT_VIEWDS	SOA OPSS Audit View schema name	SOA27_IAU_VIEWER	
94	OPSS_SOA_ SCHEMA_	Password of SOA OPSS schema	welcome1	

Sr.N o	Name	Description	Example Value	Value
	PASSWORD	name		
95	OPSS_SOA_DB_IP	IP address of SOA OPSS DB machine	10.180.84.113	
96	OPSS_SOA_DB_ PORT	Port of SOA OPSS DB	1521	
97	OPSS_SOA_DB_ SERVICE_NAME	Service name of SOA OPSS DB	P84113A	
98	HOST_ADMIN_ JVM_PARAMS	Host domain admin JVM startup parameters	-Xms1024m -Xmx4096m	
99	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	
100	KEYSTORE_ PASSWORD	Password for generating certificate	welcome1	
101	IPM_OUTBOUND_ USERNAME	IPM Username created in connector	weblogic	
102	IPM_OUTBOUND_ PASSWORD	Password for the IPM user in connector	weblogic1	
103	BIP_OUTBOUND_ USERNAME	BIP Username created in	weblogic	

Sr.N o	Name	Description	Example Value	Value
		connector		
104	BIP_OUTBOUND_ PASSWORD	Password for the BIP user in connector	weblogic1	
105	ODI_OUTBOUND_ USERNAME	ODI Username created in connector	weblogic	
106	ODI_OUTBOUND_ PASSWORD	Password for the ODI user in connector	weblogic1	
107	OIM_OUTBOUND_ USERNAME	OIM Username created in connector	weblogic	
108	OIM_OUTBOUND_ PASSWORD	Password for the OIM user in connector	weblogic1	
109	WCM_ OUTBOUND_ USERNAME	WCM Username created in connector	weblogic	
110	WCM_ OUTBOUND_ PASSWORD	Password for the WCM user in connector	weblogic1	
111	OFFLINE_ CHANNEL_ OUTBOUND_ USERNAME	Offline Username created in connector	offlineuser	
112	OFFLINE_ CHANNEL_ OUTBOUND_ PASSWORD	Password for the Offline user in connector	welcome1	
113	SAML_ISSUER_ OUTBOUND_ USERNAME	SAML ISSUER Username created in connector	weblogic	
114	SAML_ISSUER_ OUTBOUND_ PASSWORD	Password for the SAML ISSUER user in connector	weblogic1	
115	BPEL_ ENCRYPTION_ OUTBOUND_ USERNAME	BPEL_ ENCRYPTION Username created in connector	weblogic	
116	BPEL_ ENCRYPTION_	Password for the BPEL_	weblogic1	

Sr.N o	Name	Description	Example Value	Value
	OUTBOUND_ PASSWORD	ENCRYPTION user in connector		
117	FTP_IPM_ OUTBOUND_ USERNAME	FTP IPM Username created in connector	weblogic	
118	FTP_IPM_ OUTBOUND_ PASSWORD	Password for the FTP IPM user in connector	weblogic1	
119	FTP_BIP_ OUTBOUND_ USERNAME	FTP BIP Username created in connector	weblogic	
120	FTP_BIP_ OUTBOUND_ PASSWORD	Password for the FTP BIP user in connector	weblogic1	
121	BIP_USR_ OUTBOUND_ USERNAME	BIP Username created in connector	weblogic	
122	BIP_USR_ OUTBOUND_ PASSWORD	Password for the BIP user in connector	weblogic1	
123	SOA_PURGING_ OUTBOUND_ USERNAME	SOA Username created in connector	weblogic	
124	SOA_PURGING_ OUTBOUND_ PASSWORD	Password for the SOA user in connector	weblogic1	
125	SOA_OUTBOUND_ USERNAME	SOA Username created in connector	weblogic	
126	SOA_OUTBOUND_ PASSWORD	Password for the SOA user in connector	weblogic1	
127	ATMUSER_ OUTBOUND_ USERNAME	ATM Username created in connector	ATMUser	
128	ATMUSER_ OUTBOUND_ PASSWORD	Password for the ATM user in connector	welcome1	
129	POSUSER_ OUTBOUND_ USERNAME	POS Username created in connector	POSUser	

Sr.N o	Name	Description	Example Value	Value
130	POSUSER_ OUTBOUND_ PASSWORD	Password for the POS user in connector	welcome1	
131	DMSHOST_ OUTBOUND_ USERNAME	DMS HOST Username created in connector	weblogic	
132	DMSHOST_ OUTBOUND_ PASSWORD	Password for the DMS HOST user in connector	weblogic1	
133	DMSUI_ OUTBOUND_ USERNAME	DMS UI Username created in connector	weblogic	
134	DMSUI_ OUTBOUND_ PASSWORD	Password for the DMS UI user in connector	weblogic1	
135	OCH_ OUTBOUND_ USERNAME	OCH Username created in connector	weblogic	
136	OCH_ OUTBOUND_ PASSWORD	Password for the OCH user in connector	weblogic1	
137	WS_MFT_ OUTBOUND_ USERNAME	WS_MFT Username created in connector	weblogic	
138	WS_MFT_ OUTBOUND_ PASSWORD	Password for the WS_MFT user in connector	weblogic1	
139	OP_OUTBOUND_ USERNAME	OP Username created in connector	weblogic	
140	OP_OUTBOUND_ PASSWORD	Password for the OP user in connector	weblogic1	
141	ICS_OUTBOUND_ USERNAME	Username for ICS connector	weblogic	
142	ICS_OUTBOUND_ PASSWORD	Password for ICS connector	Weblogic1	
143	OBDX_ OUTBOUND_ USERNAME	Username for OBDX connector	1518675030085dean.white@test.com	
144	OBDX_ OUTBOUND_ PASSWORD	Password for OBDX connector	Welcome@1	

Sr.N o	Name	Description	Example Value	Value
145	CARD USERNAME	Username of Card connector	orakey	
146	CARD PASSWORD	Password of Card connector	welcome1	
147	RULE_USERNAME	Username of Rule connector	orakey	
148	RULE_ PASSWORD	Password of Rule connector	welcome1	
149	BAM_USERNAME	Username of BAM connector	weblogic	
150	BAM_PASSWORD	Password of BAM connector	weblogic1	
151	COMMON_ OUTBOUND_ USERNAME	Username for common connector	Weblogic1	
152	COMMON_ OUTBOUND_ PASSWORD	Password for common connector	Weblogic1	
153	PM_OUTBOUND_ USERNAME	Username for PM connector	weblogic	
154	PM_OUTBOUND_ PASSWORD	Password for PM connector	weblogic1	
155	LENDING_ OUTBOUND_ USERNAME	Username for lending connector	weblogic	
156	LENDING_ OUTBOUND_ PASSWORD	Password for lending connector	weblogic1	
157	DEPOSITS OUTBOUND_ USERNAME	Username for deposits connector	weblogic	
158	DEPOSITS OUTBOUND PASSWORD	Password for deposits connector	weblogic1	
159	FW_OUTBOUND_ USERNAME	Username for FW connector	weblogic	
160	FW_OUTBOUND_ PASSWORD	Password for fw connector	weblogic1	
161	COLLECTION_ OUTBOUND_ USERNAME	Username for collection connector	weblogic	
162	COLLECTION_	Password for	weblogic1	

Sr.N o	Name	Description	Example Value	Value
	OUTBOUND_ PASSWORD	collection Connector		
163	OR_OUTBOUND_ USERNAME	Username for OR connector	weblogic	
164	OR_OUTBOUND_ PASSWORD	Password for OR connector	weblogic1	
165	PARTY_ OUTBOUND_ USERNAME	Username for Party connector	weblogic	
166	PARTY_ OUTBOUND_ PASSWORD	Password for Party connector	weblogic1	
167	PRODPROC_ OUTBOUND_ USERNAME	Username for PRODPROC connector	weblogic	
168	PRODPROC_ OUTBOUND_ PASSWORD	Password for PRODPROC connector	weblogic1	
169	RECOVERY_ OUTBOUND_ USERNAME	Username for Recovery connector	weblogic	
170	RECOVERY_ OUTBOUND_ PASSWORD	Password for Recovery connector	weblogic1	
171	PRICING_ OUTBOUND_ USERNAME	Username for Pricing connector	weblogic	
172	PRICING_ OUTBOUND_ PASSWORD	Password for Pricing connector	weblogic1	
173	LCM_OUTBOUND_ USERNAME	Username for LCM connector	weblogic	
174	LCM_OUTBOUND_ PASSWORD	Password for LCM connector	weblogic1	
175	MDM_ OUTBOUND_ USERNAME	Username for MDM connector	weblogic	
176	MDM_ OUTBOUND_ PASSWORD	Password for MDM connector	weblogic1	
177	COMMUNICATION S_OUTBOUND_ USERNAME	Username for COMMUNICATIO NS connector	weblogic	

Sr.N o	Name	Description	Example Value	Value
178	COMMUNICATION S_OUTBOUND_ PASSWORD	Password for COMMUNICATIO NS connector	weblogic1	
179	APPCAPTURE_ OUTBOUND_ USERNAME	Username for APPCAPTURE connector	weblogic	
180	APPCAPTURE_ OUTBOUND_ PASSWORD	Password for APPCAPTURE connector	weblogic1	
181	EDN_OUTBOUND_ USERNAME	Username for EDN connector	weblogic	
182	EDN_OUTBOUND_ PASSWORD	Password for EDN connector	weblogic1	
183	EJBSUBJECT_ USERNAME	Username for EJBSUBJECT connector	weblogic	
184	EJBSUBJECT_ PASSWORD	Password for EJBSUBJECT connector	weblogic1	
185	USER_TIMEZONE	Time zone entry	+5:30	
186	HOST_SSL_ PASSWORD	Password for configuring SSL in HOST domain	welcome1	

Table 2–6 Values	for updating	installobp***.p	properties - For SOA
	ion apaating	motumosp .p	

Sr. No	Name	Description	Example Value	Value
1	SILENT_INSTALL	Flag for executing installer remotely	Y	
2	SECURITY_ENABLED	Flag for security enable	Y	
3	IPM_INSTALLED	Flag for if IPM is installed	Y	
4	BIP_INSTALLED	Flag for if BIP is installed	Y	
5	LOCAL_IP	I/P address	10.180.84.111	

Sr. No	Name	Description	Example Value	Value
		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.		
6	LOCAL_DISPLAY_ VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
7	DOMAIN_NAME	Name of the weblogic domain to be created	Host_domain or ui_domain or base_domain	
8	XD_COMPONENT_ NAME	XD Component name	obpsoa	
9	LOCALIZATION_TYPE	Type of localization	us	
10	DOMAIN_DIRECTORY_ LOCATION	Location where DOMAIN_ NAME folder will be created	/scratch/app/product/fmw/user_ projects/domains	
11	WEBLOGIC_ USERNAME	Username for weblogic domain	weblogic	
12	WEBLOGIC_ PASSWORD	Password for weblogic domain	weblogic1	
13	MDS_SCHEMA_USER	MDS schema user for SOA domain	MPUSSOA_MDS	
14	SOA_ INFRASTRUCTURE_	SOA infrastructure	MPUSSOA_SOAINFRA	

Sr. No	Name	Description	Example Value	Value
	SCHEMA_USER	schema user for SOA domain		
15	LOCAL_SCHEMA_ USER	Local schema user for SOA domain	MPUSSOA_STB	
16	UMS_SCHEMA_USER	UMS schema user for SOA domain	MPUSSOA_UMS	
17	WLS_RUNTIME_ SCHEMA_USER	WLS RUNTIME schema user for SOA domain	MPUSSOA_WLS_RUNTIME	
18	DB_SCHEMA_ PASSWORD	Password for MDS schema user	welcome1	
19	DB_IP	i/p address of MDS db machine	10.180.84.113	
20	DB_PORT	Port of MDS db port	1521	
21	DB_SERVICE_NAME	Service Name of MDS user	P84113A	
22	HOST_SCHEMA_USER	OBP Host Database username	OBP2712	
23	HOST_SCHEMA_ PASSWORD	OBP Host Database password	welcome1	
24	HOST_DB_IP	OBP Host Database i/p address	10.180.84.113	
25	HOST_DB_PORT	OBP Host Database port	1521	
26	HOST_DB_SERVICE_ NAME	OBP Host Database service name	P84113A	
27	ONS_NODE	i/p address of ONS service	10.180.84.113	
28	ONS_PORT	Port of ONS	6250	

Sr. No	Name	Description	Example Value	Value
		service		
29	OPSS_SOA_SCHEMA_ USER	SOA OPSS Schema Name	SOA27_OPSS	
30	OPSS_SOA_AUDIT_ DBDS	SOA OPSS AUDIT Schema name	SOA27_IAU_APPEND	
31	OPSS_SOA_AUDIT_ VIEWDS	SOA OPSS AUDIT VIEWDS Schema name	SOA27_IAU_VIEWER	
32	OPSS_SOA_SCHEMA_ PASSWORD	Password of OPSS_SOA_ SCHEMA_ USER	welcome1	
33	OPSS_SOA_DB_IP	i/p address of SOA OPSS DB.	10.180.84.113	
34	OPSS_SOA_DB_PORT	Port of SOA OPSS DB.	1521	
35	OPSS_SOA_DB_ SERVICE_NAME	Service name of SOA OPSS DB.	P84113A	
36	ADMIN_SERVER_ LISTEN_ADDRESS	Admin server listen address	10.180.84.112	
37	ADMIN_SERVER_ LISTEN_PORT	Admin server listen port	7001	
38	ADMIN_SERVER_SSL_ LISTEN_PORT	Admin server SSL listen address	7002	
39	SOA_SERVER_ LISTEN_ADDRESS	Listen address of SOA server	10.180.84.112	
40	SOA_SERVER_ LISTEN_PORT	Listen port of SOA server	8001	
41	SOA_SERVER_SSL_ LISTEN_PORT	SSL Listen port of SOA server	8002	
42	HUMANTASK SERVER_LISTEN ADDRESS	Listen address of humantask	10.180.84.112	

Sr. No	Name	Description	Example Value	Value
		server		
43	HUMANTASK_ SERVER_LISTEN_ PORT	Listen port of humantask server	9001	
44	HUMANTASK_ SERVER_SSL_ LISTEN_PORT	SSL listen port of humantask server	9002	
45	BAM_SERVER_ LISTEN_ADDRESS	Listen address of BAM server	10.180.84.112	
46	BAM_SERVER_ LISTEN_PORT	Listen port of BAM server	9003	
47	BAM_SERVER_SSL_ LISTEN_PORT	SSL Listen port of BAM server	9004	
48	HOST_ADMIN_ SERVER_LISTEN_ ADDRESS	Listen address of HOST admin server	10.180.84.110	
49	HOST_ADMIN_ SERVER_LISTEN_ PORT	Listen port of HOST admin server	7001	
50	HOST_MANAGED_ SERVER_LISTEN_ ADDRESS	Listen address of host managed server	10.180.84.110	
51	HOST_MANAGED_ SERVER_LISTEN_ PORT	Listen port of host managed server	8001	
52	OBEPM_HOST_ MANAGED_SERVER_ LISTEN_ADDRESS	Listen address of obepm managed server	10.180.4.113	
53	OBEPM_HOST_ MANAGED_SERVER_ LISTEN_PORT	Listen port of obepm managed server	8003	
54	OBEDM_HOST_ MANAGED_SERVER_ LISTEN_ADDRESS	Listen address of obedm managed	10.40.80.141	

Sr. No	Name	Description	Example Value	Value
		server		
55	OBEDM_HOST_ MANAGED_SERVER_ LISTEN_PORT	Listen port of obedm managed server	8003	
56	OBEO_HOST_ MANAGED_SERVER_ LISTEN_ADDRESS	Listen address of obeo managed server	10.180.4.98	
57	OBEO_HOST_ MANAGED_SERVER_ LISTEN_PORT	Listen port of obeo managed server	8001	
58	OBPM_HOST_ MANAGED_SERVER_ LISTEN_ADDRESS	Listen address of obpm managed server	10.180.4.98	
59	OBPM_HOST_ MANAGED_SERVER_ LISTEN_PORT	Listen port of obpm managed server	8003	
60	OBCCM_HOST_ MANAGED_SERVER_ LISTEN_ADDRESS	Listen address of occm managed server	10.180.4.113	
61	OBCCM_HOST_ MANAGED_SERVER_ LISTEN_PORT	Listen port of occm managed server	8005	
62	OBLS_HOST_ MANAGED_SERVER_ LISTEN_ADDRESS	Listen address of obls managed server	10.40.73.121	
63	OBLS_HOST_ MANAGED_SERVER_ LISTEN_PORT	Listen port of obls managed server	8001	
64	OBDLOC_HOST_ MANAGED_SERVER_ LISTEN_ADDRESS	Listen address of obdloc managed server	10.40.73.121	

Sr. No	Name	Description	Example Value	Value
65	OBDLOC_HOST_ MANAGED_SERVER_ LISTEN_PORT	Listen port of obdloc managed server	8003	
66	OBEPR_HOST_ MANAGED_SERVER_ LISTEN_ADDRESS	Listen address of obepr managed server	10.180.4.113	
67	OBEPR_HOST_ MANAGED_SERVER_ LISTEN_PORT	Listen port of obepr managed server	8001	
68	LDAP_PROVIDER	Refers to LDAP Provider .Value will be OID or OVD.	OID	
69	OID_IP	I/P address of the OID server.	10.180.84.113	
70	OID_PORT	Port of the OID process instance.	3060	
71	OID_ADMIN_USER	Admin user id which can be used to login of the OID as administrator.	cn=orcladmin	
72	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
73	OID_GROUP_DSN	The DSN used for object class Groups in the OID Idap.	cn=Groups,dc=in,dc=oracle,dc=com	
74	OID_USER_DSN	The DSN used for object class Users in the OID Idap.	ou=obp,cn=Users,dc=in,dc=oracle,dc=com	
75	NODE_MGR_PORT	Refers to the port number to be used for	5556	

Sr. No	Name	Description	Example Value	Value
		the weblogic node manager. This port should either be free on the UI Presentation server or an existing weblogic node manager should be installed to listen on this port when the same is started		
76	SOA_IP	i/p address of SOA server	10.180.84.112	
77	SOA_CLUSTER_NAME	Cluster name of SOA server	obpsoa_cluster1	
78	SOA_SERVER_NAME	Server name of SOA server	soa_server1	
79	HUMAN_TASK_ CLUSTER_NAME	Cluster name of Humantask server	obphumantask_cluster1	
80	HUMAN_TASK_ SERVER_NAME	Server name of Humantask server	obphumantask_server1	
81	SOA_TARGET	Target folder of SOA machine where files will be copied temporarily during installation	/scratch/install/target	
82	SOA_JAVA_HOME	Refers to the home directory of java installation of	/scratch/app/product/jdk1.8.0_281	

Sr. No	Name	Description	Example Value	Value
		the SOA machine. The version of java installed should be 1.8.0 or above. This is used to execute the OBP security policies policy seeding utility at the end of the installation.		
83	OUI_JAVA_HOME	Refers to the home directory of java installation.	/scratch/app/product/jdk1.8.0_281	
84	CENTRAL_ INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oraInventory/	
85	SOA_MW_HOME	Refers to the middleware home of the weblogic installation on the SOA server.	/scratch/app/product/fmw	
86	UI_IP	i/p address of UI server	10.180.84.111	
87	UI_UNIX_USER	Linux login user id for UI server	ofssobp	
88	UI_DOMAIN_HOME	Full path of UI domain	/scratch/app/ product/fmw/ user_projects/ domains /ui_domain	
89	INSTALL_AS	Linux login user id used to install the OBP	ofssobp	

Sr. No	Name	Description	Example Value	Value
		solution.		
90	SOA_ADMIN_JVM_ PARAMS	SOA domain admin JVM startup parameters	-Xms1024m -Xmx2048m	
91	SOA_ HUMANTASKSERVER_ JVM_PARAMS	SOA domain human task server's JVM startup parameters	"-Djbo.ampool.doampooling=false -Xms12g - Xmx12g -XX:NewSize=512m - XX:MaxNewSize=2048m - XX:+UseParNewGC - XX:+CMSParallelRemarkEnabled - XX:+UseConcMarkSweepGC - XX:CMSInitiatingOccupancyFraction=75 - Dobp.http.maxRetryCount=1 - Dobp.http.socketBufferSize=8192 - Dobp.http.socketBufferSize=8192 - Dobp.http.expireAndRetry=true - Dobp.http.expireAndRetry=true - Dobp.http.connectionsPerHost=20 - Dobp.http.connectionsPerHost=150 - Dobp.http.connectionTimeout=90000 - Dobp.http.connectionRequestTimeout=90000 -Dobp.http.tdleTimeoutPollInterval=10000 - Dobp.http.staleCheckEnabled=true - Dweblogic.servlet.DIDisabled=true"	
92	SOA_MANAGED_JVM_ PARAMS	SOA domain managed soa server's JVM startup parameters	"-XX:NewSize=2048m - XX:MaxNewSize=4096m - XX:+UseParNewGC - XX:+CMSParallelRemarkEnabled - XX:+UseConcMarkSweepGC - XX:CMSInitiatingOccupancyFraction=75 - Xms11g -Xmx11g"	
93	KEYSTORE_ PASSWORD	Password for generating	welcome1	
94	UI_MANAGED_ SERVER_LISTEN_ ADDRESS	i/p address of UI Managed server	10.180.84.111	
95	UI_MANAGED_ SERVER_SSL_ LISTEN_PORT	Listen port of UI Managed server	8002	
96	UI_ADMIN_SERVER_ LISTEN_ADDRESS	UI_ADMIN_ SERVER_ LISTEN_ ADDRESS	i/p address of UI Admin server	
97	UI_ADMIN_SERVER_ LISTEN_PORT	UI_ADMIN_ SERVER_ LISTEN_ PORT	Listen port of UI Admin server	
98	DEFAULT_BANK_ CODE	Default bank code will be set while	8	

Sr. No	Name	Description	Example Value	Value
		configuring SOA domain		
99	DEFAULT_ TRANSACTION_ BRANCH_CODE	Default branch code will be set while configuring SOA domain	89999	
100	DEFAULT_TARGET_ UNIT	Default target unit will be set while configuring SOA domain	OBP_BU	
101	CARD_USERNAME	Username of Card connector.	orakey	
102	CARD_PASSWORD	Password of Card connector	welcome1	
103	RULE_USERNAME	Username of Rule connector	orakey	
104	RULE_PASSWORD	Password of Rule connector	welcome1	
105	USER_TIMEZONE	Time zone entry	+5:30	
106	SOA_SSL_PASSWORD	Password for configuring SSL in SOA domain	welcome1	
107	REMOTE_EXECUTION	Flag for executing installer remotely	Y	
108	BAM_INSTALLATION	During SOA installation value Must be 'N' During BAM installation value Must be Y.	Ν	
109	IPM_USERNAME	Username of IPM connector	ofssobp	

Sr. No	Name	Description	Example Value	Value
110	IPM_PASSWORD	Password of IPM connector	welcome1	
111	OFFLINE_CHANNEL_ OUTBOUND_ USERNAME	Username of offline connector	offlineuser	
112	OFFLINE_CHANNEL_ OUTBOUND_ PASSWORD	Password of offline connector	welcome1	
113	FTP_IPM_USERNAME	Username of FTP_IPM connector	ofssobp	
114	FTP_IPM_PASSWORD	Password of FTP_IPM connector	ofssobp123	
115	FTP_IPM_BATCH_ USERNAME	Username of FTP_IPM_ BATCH connector	ofssobp	
116	FTP_IPM_BATCH_ PASSWORD	Password of FTP_IPM_ BATCH connector	ofssobp123	
117	SOA_OUTBOUND_ USERNAME	Username of SOA connector	weblogic	
118	SOA_OUTBOUND_ PASSWORD	Password of SOA connector	weblogic1	
119	IPM_SERVER_IP	i/p address of IPM server	10.180.84.114	
120	IPM_SERVER_PORT	port of IPM server	16000	
121	IPM_UNIX_USER	Linux login user id for IPM server	ofssobp	
122	IPM_MW_HOME	Oracle IPM middleware Home directory on IPM server	/scratch/app/product/fmw	
123	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/wccontent	

Sr. No	Name	Description	Example Value	Value
124	BIP_SERVER_IP	I/P of the BIP server to host OBP reports	10.180.84.115	
125	BIP_SERVER_PORT	Port of the BIP server that hosts OBP reports	9502	
126	BIP_UNIX_USER	Linux login user id for BIP server	ofssobp	
127	BIP_HOME	Oracle BIP Home directory on BIP server	/scratch/app/product/fmw/bi	
128	OAAM_SERVER_IP	oaam sever ip address	oaam-ofss.com	
129	OAAM_SERVER_PORT	oaam server port	14000	
130	OIM_SERVER_IP	oim server ip	oim-ofss.com	
131	OIM_SERVER_PORT	oim server port	16000	
132	OFSAA_SERVER_IP	ofss server ip	ofsaa-ofss.com	
133	OFSAA_SERVER_ PORT	ofss server port	17000	
134	DOCUMAKER_ SERVER_IP	documaker server ip	documaker-ofss.com	
135	DOCUMAKER_ SERVER_PORT	documaker server port	15000	
136	BAM_SERVER_NAME	Bam server name	bam-ofss.com	
137	BAM_SERVER_PORT	Bam server port	9003	
138	ODI_SERVER_NAME	Odi server name	odi-ofss.com	
139	ODI_SERVER_PORT	Odi server port	8001	

Sr.No	Name	Description	Example Value	Value
1	SILENT_INSTALL	Flag for	Υ	

Sr.No	Name	Description	Example Value	Value
		executing installer remotely		
2	SECURITY_ENABLED	Flag for security enable	Y	
3	IPM_INSTALLED	Flag for if IPM is installed	Y	
4	BIP_INSTALLED		Y	
5	LOCAL_IP	I/P address of the local machine which could be a windows machine on which software like XManager is installed for rendering UI of a utility executing on a remote Linux server.	10.180.84.111	
6	LOCAL_DISPLAY_ VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0	
7	DOMAIN_NAME	Weblogic Domain name	Host_domain or ui_domain or base_ domain	
8	XD_COMPONENT_ NAME	XD Component value	obpui	This will be always obpui
9	LOCALIZATION_TYPE	Type of localization	US	Depends on localization type
10	DOMAIN_ DIRECTORY_ LOCATION	Location where DOMAIN_ NAME folder will be created	/scratch/app/product/fmw/user_ projects/domains	
11	WEBLOGIC_ USERNAME	Username for weblogic domain	weblogic	
12	WEBLOGIC_ PASSWORD	Password for weblogic domain	weblogic1	

Sr.No	Name	Description	Example Value	Value
13	LOCAL_ DATASOURCE	Username of LOCAL_ DATASOURCE	COLLUI_STB	
14	WLS_RUNTIME_ SCHEMA_USER	Username of WLS Runtime schema	COLLUI_WLS_RUNTIME	
15	OPSS_UI_SCHEMA_ USER	OPSS UI schema name	COLLUI_OPSS	
16	OPSS_UI_SCHEMA_ PASSWORD	OPSS UI schema password	Welcome1	
17	OPSS_UI_DB_IP	OPSS UI DB IP	10.180.84.113	
18	OPSS_UI_DB_PORT	OPSS UI DB PORT	1521	
19	OPSS_UI_DB_ SERVICE_NAME	OPSS UI DB SERIVICE NAME	P84113A	
20	MDS_SCHEMA_USER	MDS schema name	COLLUI _MDS	
21	MDS_SCHEMA_ PASSWORD	Password of MDS schema	welcome1	
22	MDS_DB_IP	MDS DB IP	10.180.84.113	
23	MDS_DB_PORT	MDS DB PORT	1521	
24	MDS_DB_SERVICE_ NAME	MDS DB SERVIVE NAME	P84113A	
25	OPSS_HOST_ SCHEMA_USER	HOST OPSS Schema name	COLLMW_OPSS	
26	OPSS_HOST_AUDIT_ DBDS	HOST OPSS AUDIT schema name	COLLMW_IAU_APPEND	
27	OPSS_HOST_AUDIT_ VIEWDS	HOST OPSS AUDIT VIEWDB Schema name	COLLMW_IAU_VIEWER	
28	OPSS_HOST_ SCHEMA_ PASSWORD	HOST OPSS password for above three OPSS schema	welcome1	
29	OPSS_HOST_DB_IP	Service name of UI OPSS DB	10.180.84.113	
30	OPSS_HOST_DB_ PORT	HOST OPSS DB PORT	1521	

Sr.No	Name	Description	Example Value	Value
31	OPSS_HOST_DB_ SERVICE_NAME	HOST OPSS DB SERVICE NAME	P84113A	
32	HOST_SCHEMA_ USER	OBP Host Database username	OBEDMUS211	
33	HOST_SCHEMA_ PASSWORD	OBP Host Database password	welcome1	
34	HOST_DB_IP	OBP Host Database i/p address	10.180.84.113	
35	HOST_DB_PORT	OBP Host Database listen port	1521	
36	HOST_DB_SERVICE_ NAME	OBP Host Database service name	P84113A	
37	ONS_NODE	i/p address of ONS service	10.180.84.113	
38	ONS_PORT	Listen port of ONS service	6200	
39	ADMIN_SERVER_ LISTEN_ADDRESS	Admin server listen address	10.180.84.111	
40	ADMIN_SERVER_ LISTEN_PORT	Admin server listen port	7001	
41	ADMIN_SERVER_ SSL_LISTEN_PORT	Admin server SSL listen port	7002	
42	MANAGED_SERVER_ LISTEN_ADDRESS	Managed server listen address	10.180.84.111	
43	MANAGED_SERVER_ LISTEN_PORT	Managed server listen port	8001	
44	MANAGED_SERVER_ SSL_LISTEN_PORT	Managed server SSL listen port	8002	
45	LDAP_PROVIDER	Refers to LDAP Provider .Value will be OID or OVD.	OID	
46	OID_IP	I/P address of the OID server	10.180.84.113	
47	OID_PORT	Port of the OID process instance.	3060	

Sr.No	Name	Description	Example Value	Value
48	OID_ADMIN_USER	Admin user id which can be used to login of the OID as administrator.	cn=orcladmin	
49	OID_ADMIN_PWD	Refers to the password of admin user of the OID	welcome1	
50	OID_GROUP_DSN	The DSN used for object class Groups in the OID Idap.	cn=Groups,dc=in,dc=oracle,dc=com	
51	OID_USER_DSN	The DSN used for object class Users in the OID Idap.	cn=Users,dc=in,dc=oracle,dc=com	
52	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	
53	UI_IP	I/P address of the server on which the OBP presentation or UI layer should be installed.	10.180.84.111	
54	UI_CLUSTER_NAME	Name of UI Managed Cluster	obpui_cluster1	
55	UI_SERVER_NAME	Name of UI Managed Server	obpui_server1	
56	UI_TARGET	Refers to a location on the UI server where the installables	/scratch/install/target	

Sr.No	Name	Description	Example Value	Value
		can be transferred. The user id of the use used for installation of OBP should have read, write and execute privileges on this directory.		
57	UI_MW_HOME	Refers to the middleware home of the weblogic installation on the UI server.	/scratch/app/product/fmw	
58	UI_JAVA_HOME	Refers to the home directory of java installation. The version of java installed should be 1.8.0 or above. This is used to execute the OBP security policies policy seeding utility at the end of the installation.	/scratch/app/product/jdk1.8.0_231	
59	OUI_JAVA_HOME	Refers to the home directory of java installation. The version of java installed should be 1.8.0. This is used for OBP patching.	/scratch/app/product/jdk1.8.0_231	
60	CENTRAL INVENTORY_LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oraInventory	
61	INSTALL_AS	Linux login user id used to install the OBP solution.	ofssobp	
62	IPM_UNIX_USER	Linux login user id of IPM server	ofssobp	

Sr.No	Name	Description	Example Value	Value
63	IPM_SERVER_IP	i/p address of IPM server	10.180.84.114	
64	IPM_SERVER_PORT	Listen port of IPM server	16000	
65	IPM_MW_HOME	Oracle Weblogic Home directory on IPM server	/scratch/app/product/fmw	
66	IPM_HOME	Oracle IPM Home directory on IPM server	/scratch/app/product/fmw/Oracle_ ECM1	
67	BIP_SERVER_IP	I/P of the BIP server to host OBP reports	10.180.84.115	
68	BIP_SERVER_PORT	Port of the BIP server that hosts OBP reports	9502	
69	BIP_UNIX_USER	Linux login user id for BIP server	ofssobp	
70	BIP_HOME	Oracle BIP Home directory on BIP server	/scratch/app/product/fmw/bi	
71	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	
72	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	
73	OIM_SERVER_IP	Oracle Identity Manager i/p address	oim-ofss.com	
74	OIM_SERVER_PORT	Oracle Identity	16000	

Sr.No	Name	Description	Example Value	Value
		Manager Listen Port		
75	OFSAA_SERVER_IP	OFSAA Server i/p address	ofsaa-ofss.com	
76	OFSAA_SERVER_ PORT	OFSAA Server listen port	17000	
77	UI_ADMIN_JVM_ PARAMS	UI domain admin JVM startup parameters	-Xms2048m -Xmx4096m	
78	UI_MANAGED_JVM_ PARAMS	UI domain managed JVM startup parameters	-Djbo.ampoo I.doampooling=false - Xms6g -Xmx6g -XX:NewSize=512m -XX:MaxNewSize =2048m - XX:+UseParNewGC - XX:+CMSParallel RemarkEnabled - XX:+UseConcMark SweepGC - XX:CMSInitiating Occupancy Fraction=75 -Djbo.load.com ponents.lazily=true	
79	HOST_ADMIN_ SERVER_LISTEN_ ADDRESS	Listen address of HOST admin server	10.180.84.110	
80	HOST_ADMIN_ SERVER_LISTEN_ PORT	Listen port of HOST admin server	7001	
81	HOST_MANAGED_ SERVER_LISTEN_ ADDRESS	Listen address of host managed server	10.180.84.110	
82	HOST_MANAGED_ SERVER_LISTEN_ PORT	Listen port of host managed server	8001	
83	SOA_MANAGED_ SERVER_LISTEN_ ADDRESS	Listen address of SOA server	10.180.84.112	
84	SOA_MANAGED_ SERVER_LISTEN_ PORT	Listen port of SOA server	8001	
85	SOA_ADMIN_ SERVER_LISTEN_ ADDRESS	Listen address of SOA Admin server	10.180.84.112	
86	SOA_ADMIN_ SERVER_LISTEN_	Listen port of SOA Admin	7001	

Sr.No	Name	Description	Example Value	Value
	PORT	server		
87	KEYSTORE_ PASSWORD	Password for generating certificate	welcome1	
88	UI_SSL_PASSWORD	Password for configuring SSL in UI domain	welcome1	
89	UCM_READ_FROM_ URL	Flag for getting UCM URL from properties file. These values are used by the Webcenter Portal application for internet banking. Hence values for UCM_READ_ FROM_URL and UCM_IP, UCM_PORT below can be left as is for installations, which do not use the Webcenter portal for hosting their internet banking application. However, as a best practice, it is recommended that we configure values for UCP_IP and UCM_PORT correctly from day 1	true/false	
90	UCM_IP	UCM_IP the IP address of the UCM WebLogic managed server.	ofss.ucm.com	
91	UCM_PORT	Port of UCM.	4444	
92	OFFLINE_CHANNEL_ OUTBOUND_ USERNAME	Offline username created in connector	offlineuser	

Sr.No	Name	Description	Example Value	Value
93	OFFLINE_CHANNEL_ OUTBOUND_ PASSWORD	Password for the Offlineuser user in connector	welcome1	
94	CARD_USERNAME	Username of Card connector.	orakey	
95	CARD_PASSWORD	Password of Card connector.	welcome1	
96	RULE_USERNAME	Username of Rule connector	orakey	
97	RULE_PASSWORD	Password of Rule connector	welcome1	
98	USER_TIMEZONE	Time zone entry	+5:30	
99	REMOTE_ EXECUTION	Flag for executing installer remotely	Y	
100	IPM_USERNAME	Username of IPM connector	weblogic	
101	IPM_PASSWORD	Password of IPM connector	weblogic1	
102	FTP_IPM_USERNAME	Username of FTP_IPM connector	ofssobp	
103	FTP_IPM_PASSWORD	Password of FTP_IPM connector	ofssobp123	
104	FTP_IPM_BATCH_ USERNAME	Username of FTP_IPM_ BATCH	ofssobp	
105	FTP_IPM_BATCH_ PASSWORD	Password of FTP_IPM_ BATCH	ofssobp123	
106	HOST_UNIX_USER	Linux login user id for HOST server	ofssobp	
107	HOST_MW_HOME	Refers to the middleware home of the weblogic installation on the Host server.	/scratch/app/product/fmw	
108	SOA_MW_HOME	Refers to the middleware	/scratch/app/product/fmw	

Sr.No	Name	Description	Example Value	Value
		home of the weblogic installation on the SOA server.		
109	SOA_DOMAIN_NAME	Domain name of SOA	base_domain	

2.4.3 Database and WebLogic Domain Configuration

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

Table 2–8 DB and WebLogic Domain Configuration

Sr. No.	Name	Description and Example	Value
UI and Host Linux user login details			
1	UI / Presentation Linux server user id	This is same as INSTALL_AS captured in the checklist above.	
2	UI / Presentation Linux server user password	Password for the user specified against INSTALL_AS.	
3	Host Linux server user id	This is same as INSTALL_AS captured in the checklist above.	
4	Host Linux server user password	Password for the user specified against INSTALL_AS.	
Database Details			
5	IP address of the OBEO Oracle DB server	10.180.90.30	
6	Port of the OBEO Oracle DB instance	1521	
7	OBEO DB Service Name	OBPDB	
8	OBEO DB sys password	*****	
9	ONS NODE	10.180.90.30, Make sure ons service is started on DB.	
10	ONS Port	6250	
Additional UI Install Checklist			
11	Admin user id and password for the OBEO 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 OBEO UI domain for:	Default Values	

Sr. No.	Name	Description and Example	Value
	Admin server HTTP port for managed server HTTPS port for managed server	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 OBEO UI and Host.	Decide on the password to be used and note it. This is required for the post installation tasks of UI domain.	
14	Password for keystore generated to establish trust.	Decide on the password to be used and note it. This is required for the post installation tasks UI domain.	
Additional Host Install Checklist			
15	Admin user id and password for the OBEO 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 OBEO 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 OBEO UI and Host.	This is same as password in row 11. This is required for the post installation tasks of host domain.	
18	Password for keystore generated to establish trust.	This is same as password in row 12. This is required for the post installation tasks of host domain.	

2.5 OID Schema Setup – Custom OBEO Schema

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

2.5.1 Prerequisite – OID setup

I4.1. It is assumed that OID 12.2.1.4.0 is installed with ODSM and configured.

2.5.2 Verify the OID installation

This section describes the procedure to verify the OID installation.

2.5.2.1 Start and Verify the OID processes

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

For example, if the OID installation is in "/scratch/app/product/fmw/user_projects/domains/oid_domain/bin"

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

./startComponent.sh oid1

2.5.2.2 OPSS/OID Performance Tuning

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

Parameters

Change the parameter values as provided below.

Table 2–9 Parameter Values to be Changed

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

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: orclgeneratechangelogorclgeneratechangelog: 0

dn: cn=oid1,cn=osdldapd,cn=subconfigsubentry changetype: modify replace: orclldapconntimeout orclldapconntimeout: 60

dn: cn=oid1,cn=osdldapd,cn=subconfigsubentry changetype: modify replace: orclmatchdenabled orclmatchdenabled: 0

3. See the OID Tuning Guide available at: https://docs.oracle.com/en/middleware/lifecycle/12.2.1.3/asper/oracle-internet-directoryperformance-tuning.html#GUID-254611A2-0B71-4FBE-90D1-4D13A41B5F47

OPSS Tuning

The steps to perform advanced OPSS tuning are as follows:

1. IDM Database recommendations

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

Table 2–10 Suggested values for Tuning and Alter Command

Sr. No.	DB Property Name	Suggested Value for Tuning	Alter Command
1	Process	1500	ALTER SYSTEM SET processes = 1500 SCOPE = spfile;

Sr. No.	DB Property Name	Suggested Value for Tuning	Alter Command
2	SGA Target	3G	ALTER SYSTEM SET sga_target = 3221225472 SCOPE = spfile;
3	Audit Trail	None	ALTER SYSTEM SET audit_sys_ operations=FALSE SCOPE =SPFILE; ALTER SYSTEM SET audit_trail = NONE SCOPE = spfile;
4	Open Cursor	500	ALTER SYSTEM SET open_cursors = 500 SCOPE = spfile;
5	PGA_Aggregate_Target	1.5GB	ALTER SYSTEM SET pga_aggregate_ target = 1610612736 SCOPE = spfile;
6	NLS Sort	Binary	ALTER SYSTEM SET nls_sort = BINARY SCOPE = spfile;
7	Filesystemio_Options	SETALL	ALTER SYSTEM SET filesystemio_ options = SETALL SCOPE = spfile;
8	Fast_start_mttr_target	3600	ALTER SYSTEM SET fast_start_mttr_ target = 3600 SCOPE = spfile;
9	db_securefile	ALWAYS	ALTER SYSTEM SET db_securefile = ALWAYS SCOPE = spfile;
10	Session_cached_ cursors	500	ALTER SYSTEM SET session_ cached_cursors = 500 SCOPE = spfile;
11	plsql_code_type	NATIVE	ALTER SYSTEM SET plsql_code_ type = NATIVE SCOPE = spfile;
12	_b_tree_bitmap_plans	false	ALTER SYSTEM SET "_b_tree_ bitmap_plans" = FALSE scope=spfile;
13	Memory_target	0	ALTER SYSTEM SET memory_ target=0 SCOPE = SPFILE;

b. Redo log file.

Allocated Disk Space for Redo Log Files

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

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

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

c. Undo tablespace.

Increase Disk Space Allocated for UNDO Tablespace

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

- 2. jps-config.xml (All servers of UI, Host, 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"</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"/>
</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

Table 2–11 Properties

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

Example:

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

export JAVA PROPERTIES

2.5.2.3 Import OBEO Specific LDIF files

If Oracle Identity Manager (OIM) 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 OBEO.

If OIM is not part of the ecosystem and an initial sanity test of the OBEO 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 'obpus-host.zip' or 'obpau-host.zip' to obtain 'obpinstall-host.zip'. It contains ldif.zip and sampleLdif.zip.

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

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

Table 2–12 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 fcPerson.Idif

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

Idapadd obp_ou.Idif

ldapadd -h \$ldapIP -p \$ldapPort -D cn=orcladmin -w welcome1 -c -v -f obp ou.ldif

Idapadd jpsroot.Idif

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

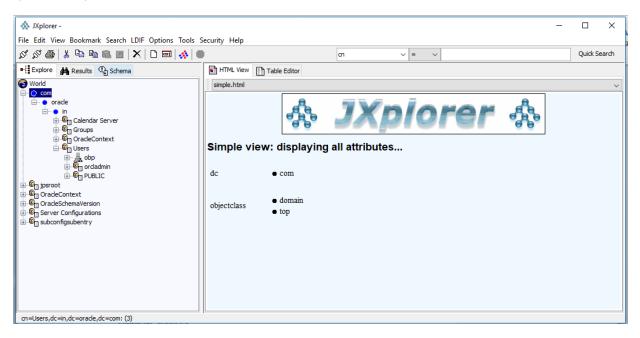
Idapadd Administrators.Idif

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

2.5.2.4 Verify the import using ODSM or JXplorer

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

Figure 2–2 JXplorer



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3 OBEO Localization SOA Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Enterprise Originations Localization SOA Media Pack. The subsequent section refers to the variable names specified in Section 2.4 Installation Checklist.

3.1 Installation and Configuration Procedure

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

3.1.1 Preparatory Steps

This section lists the preparatory steps required for the OBEO Localization SOA Media Pack installation.

Step 1 Procuring Installables

Download the appropriate SOA media pack from the following location:

http://edelivery.oracle.com/

Step 2 Extracting the Installables

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

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

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in Section 2.4 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.

3.1.2 Pre-Installation Steps

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

Step 1 Updating installobpsoa.properties

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

Step 2 Checklist for a new setup

Before initiating installation, check the following:

 Make sure required RCU schemas have been created. For more information, see Section 7.1 Pre-Installation Steps and Section 7.2 OBEO 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

OBEO 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 the following document:

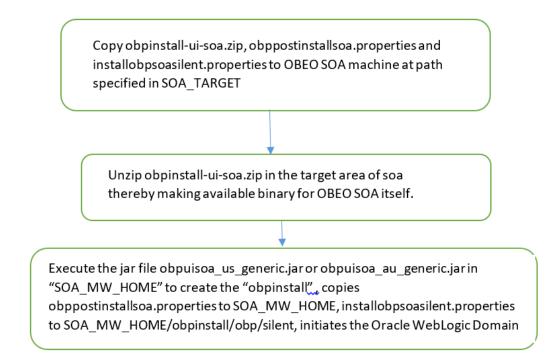
http://www.oracle.com/technetwork/database/availability/maa-fmwsharedstoragebestpractices-402094.pdf

3.1.3 Installation Steps

This section lists the installation steps required for the OBEO Localization SOA Media Pack installation.

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

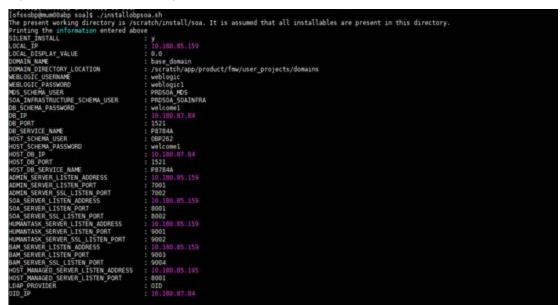




A sample output is given here.

./installobpsoa.sh

Figure 3–2 Verification of Properties





91_010	: 10.100.07.04
OID_PORT	: 389
OID_ADMIN_USER	: cn=orcladmin
OID_ADMIN_PWD	: welcomel
OID GROUP D'SN	: cn=Groups,dc=in,dc=oracle,dc=com
OID USER DSN	: cn=Users,dc=in,dc=oracle,dc=com
	: PRDS0A_0PSS
OPSS SOA SCHEMA PASSWORD	: welcome1
OPSS SOA DB IP	1 10.100.87.84
OPSS SOA DB PORT	: 1521
OPSS SOA DB SERVICE NAME	: P8784A
NODE MGR PORT	: 5556
SOA IP	: 10.180.85.159
SOA CLUSTER NAME	: obesoa clusteri
SOA SERVER NAME	: spa server]
	: obphumantask cluster)
	: obphumantask server1
SOA TARGET	: /scratch/install/target
SOA JAVA HOME	: /scratch/app/product/jdk1.8.0_101
	: /scratch/app/product/jdk1.8.0 101
	/scratch/app/oraInventory/
SOA MY HOME	: /scratch/app/product/fmw
UI IP	10.189.85.196
UI UNIX USER	: ofssobp
UI COMAIN HOME	: /scratch/app/product/fmw/user_projects/domains/ui_domain
INSTALL AS	afssoba
	- Xmi1024m - Xmx2040m
	: XX:NewSize=2048m -XX:MaxNewSize=4096m -XX:+UseParNewSC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepSC -
XX:CMSInitiatingOccupancyFraction=75	
	: -Djbo.ampool.doampooling=false -Xms4096m -Xxx5004m -XX:New5ize=512m -XX:MaxNew5ize=2040m -XX:+UseParNew6C -XX:+
	:MarkSweepGC -XX:CMSImitiatingOccupancyFraction=75 -Dobp.http.maxRetryCount=1 -Dobp.http.socketBufferSize=8192 -Do
	p.http.expireAndRetry=true =Dobp.http.maxConnectionsPerMost=150 -Dobp.http.connectionTimeout=600000 -Dobp.http.id
leTimeoutPollInterval=10000 .Dobp.htt	
NEYSTORE PASSWORD	: welcom/l
UI MANAGED SERVER LISTEN ADDRESS	10.180.85.196
	: 8001
DEFAULT BANK CODE	08
DEFAULT TRANSACTION BRANCH CODE	± 089999

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

DEFAULT TRANSACTION BRANCH CODE	: 689999
DEFAULT TARGET UNIT	: CBP_BU
CARD USERNAME	: orakey
CARD PASSWORD	: welcome1
RULE_USERNAME	: orakey
RULE_PASSWORD	: welcome1
USER_TIMEZONE	: +5:30
SOA, SSL, PASSWORD	: welcome1
REMOTE_EXECUTION	2 Y
BAM_INSTALLATION	2 N
IPM USERNAME	: weblogic
IPM PASSWORD	: weblogic1
FTP_IPM_USERNAME	z ofssobp
FTP_IPM_PASSWORD	: ofssobp123
FTP_IPM_BATCH_USERNAME	: ofssobp
FTP_IPM_BATCH_PASSWORD	: ofssobp123
IDM HOME	: /scratch/app/product/fmw_ipm/Oracle_ECM1
IPM_SERVER_IP	
BIP_SERVER_IP	
BIP_SERVER_PORT	: 9502
BIP_UNIX_USER	: afssobp
BIP HOME	: /scratch/app/product/fmw_bip/bi
	why the information printed above in detail.
If the above mentioned information	is correct, please enter Y or y to proceed. Press any other key to exit the installation.

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

Figure 3–5 Copying and Extraction of obpinstall-ui-soa.zip

Please take your time and go through the information printed above in detail.		
If the above mentioned information is correct, please enter Y or y to proceed.	Press any other key to exit the installation.	
Installation will begin in sometime.		
Please wait while the installables are copied onto the servers.		
The authenticity of host '10.180.85.159 (10.180.85.159)' can't be established.		
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		
Warning: Permanently added '10.180.85.159' (ECDSA) to the list of known hosts.		
ofssobp@10.180.85.159's password: obpinstall-soa.zip	have been also dealer to	
popinstact-sou.zip installobpsousilent.properties	100% 357HB 178.6HB/s 100% 1551 1.5KB/s	00:02
The configuration of OBP SOA domain shall begin immediately thereafter.	1994 1991 1.20019	
ofssobp@10.180.85.159's password:		
Archive: /scratch/install/target/obpinstall-soa.zip		
inflating: /scratch/install/target/obpsea_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/PyVANE-3.11.tar.gr		
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/BAMCommandConfig.xml.tmpl		
> /scratch/app/product/jdk1.0.0 101/bin/java -jar /scratch/install/target/ob	soa generic.jar -silent DRACLE HOME=/scratch/app/product/fmw	/obpinstall
INVENTORY_LOCATION=/scratch/app/oraInventory/		

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





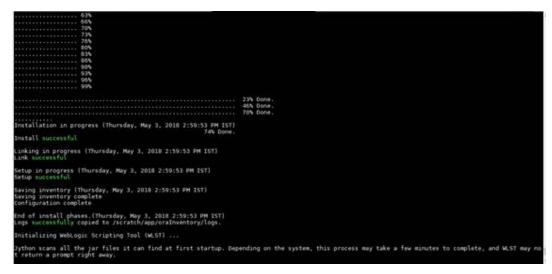


Figure 3–8 Domain Creation Confirmation



3.2 Post Installation Configuration

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

Checklist for Post Installation Procedure

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

- Replace /scratch/app/product/fmw path with your middleware home path in setDomainEnv.sh and setDomainEnvSOA if not replaced.
- Node manager is not running on the SOA machine.
- All values in obppostinstallsoa.properties are correct
- OID_DOMAIN_NAME given in obppostinstallsoa.properties must not exist.
- Node manager port should be free. You can verify using the following command, where 5556 is the Node Manager Port.

\$netstat -na | grep 5556

Post Installation Configuration

1. Start the OBEO 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</pre>
```

```
./startManagedwebLogic.sn soa_serveri t3://iocalnost:<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 3–9 Starting Post Installation

[ofssobp@mum00abp fmw]\$./obp-soa-po	
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
SOA_SERVER_LISTEN_PORT	: 8001
BAM_SERVER_LISTEN_ADDRESS	: 10.180.85.159
BAM_SERVER_LISTEN_PORT	: 9003
HOST_MANAGED_SERVER_LISTEN_ADDRESS	
HOST_MANAGED_SERVER_LISTEN_PORT	: 8001
LDAP_PROVIDER	: OID
0ID_IP	: 10.180.87.84
OID_PORT	: 389
0ID_ADMIN_USER	: cn=orcladmin
OID_ADMIN_PWD	: welcome1
OID_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
SOA_IP	: 10.180.85.159
SOA_CLUSTER_NAME	: obpsoa_cluster1
S0A_SERVER_NAME	: soa_server1
HUMAN_TASK_CLUSTER_NAME	
HUMAN_TASK_SERVER_NAME	: obphumantask_server1
S0A_TARGET	: /scratch/install/target
SOA_JAVA_HOME	: /scratch/app/product/jdk1.8.0_101
SOA_MW_HOME	: /scratch/app/product/fmw
UI_IP	: 10.180.85.196
UI_UNIX_USER	: ofssobp
UI_DOMAIN_HOME	: /scratch/app/product/fmw/user_projects/domains/ui_domain
INSTALL_AS	: ofssobp
SOA_ADMIN_JVM_PARAMS	: -Xms1024m -Xmx2048m
SOA_MANAGED_JVM_PARAMS	: - XX:NewSize=2048m -XX:MaxNewSize=4096m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -
XX:CMSInitiatingOccupancyFraction=75	-XMX192M -XMX19360M
SOA_HUMANTASKSERVER_JVM_PARAMS	: -Djbo.ampool.doampooling=false -Xms4096m -Xmx6084m -XX:NewSize=512m -XX:MaxNewSize=2048m -XX:HuseParNewGC -XX:+
CMSParallelRemarkEnabled -XX:+UseCon	cMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Dobp.http.maxRetryCount=1 -Dobp.http.socketBufferSize=8192 -Do

Figure 3–10 Starting Post Installation (contd)

SOA HUMANTASKSERVER JVM PARAMS	: -Djbo.ampool.doampooling=false -Xms4096m -Xmx6084m -XX:NewSize=512m -XX:MaxNewSize=2048m -XX:+UseParNewGC -XX:+
CMSParallelRemarkEnabled -XX:+UseCo	ncMarkŚweepGC -XX:CMSInitiatingOccupancyFraction=75 -Dobp.http.maxRetryCount=1 -Dobp.http.socketBufferSize=8192 -Do
<pre>bp.http.maxConnectionsPerHost=20 -D</pre>	obp.http.expireAndRetry=true _Dobp.http.maxConnectionsPerHost=150 -Dobp.http.connectionTimeout=600000 -Dobp.http.id
leTimeoutPollInterval=10000 -Dobp.h	ttp.staleCheckEnabled=true
KEYSTORE_PASSWORD	: welcome1
UI_MANAGED_SERVER_LISTEN_ADDRESS	
UI_MANAGED_SERVER_LISTEN_PORT	: 8001
DEFAULT_BANK_CODE	: 08
DEFAULT_TRANSACTION_BRANCH_CODE	: 089999
DEFAULT_TARGET_UNIT CARD_USERNAME	: OBP_BU
CARD_USERNAME	: orakey
CARD_PASSWORD	: welcomel
RULE_USERNAME RULE_PASSWORD	: orakey
USER_TIMEZONE	
REMOTE_EXECUTION	: Y
BAM_INSTALLATION	: N
DB_SCHEMA_PASSWORD	
	: 10.180.87.84
DB_PORT DB_SERVICE_NAME	: 1521
DB_SERVICE_NAME	
IPM_USERNAME	: weblogic : weblogici
FTP_IPM_USERNAME	: ofssobp
FTP_IPM_PASSWORD FTP_IPM_BATCH_USERNAME	i ofskolptis
FTP IPM BATCH PASSWORD	
Dlasse take your time and go through	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.
	to contest, prease enter i or y to proceed. These any other key to exit the installation.

Figure 3–11 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 th V	e installat	tion.		
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:				
ilsnAPI_v3.jar	100%	904KB	904.4KB/s	00:00
il8nAPI_v3.jar copied from BIP machine ofssobp@10.180.6.143's password:				
xdocre.jar	100%	9060KB	8.9MB/s	00:00
xdocore.jar copied from BIP machine				
ofssobp@10.180.6.143's password:				
versioninfo.jar versioninfo.jar copied from BIP machine	100%	6204KB	6.1MB/s	00:00
versionanto, jai copied nom bir machine ofsobp@i0.180.6.143'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:	2000	03.01/0		
oracle.ucm.ridc-11.1.1.jar oracle.ucm.ridc-11.1.1.jar copied from IPM machine	100%	619KB	618.9KB/s	00:00
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/wlserv	er/server/r	native/	linux/x86 64	4/oci920 8
** End SOA specific environment setup				
Logging WLS stderr to /scratch/app/product/fmw/user_projects/domains/base_domain/servers/AdminServer/stderr.lo	g			
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/ob .soa.process/metadata/metadata [unjar] Expanding: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar into /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar [delete] peleting: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar [jar] Building jar: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar
BUILD SUCCESSEUL Total time: 10 seconds Archive: BPELRecoveryConfig.zip inflating: recoveryConfig.sh inflating: BPELRecoveryConfig.jar 50
<pre>Updating RecurringScheduleConfig.maxMessageRaiseSize from 50 to 0 Updating StartupScheduleConfig.maxMessageRaiseSize from 50 to 0 javax.management.openmbean.compositeDataSupport(compositeTypeejavax.management.openmbean.CompositeType(name=RecurringScheduleConfig.items=((itemName=m axMessageRaiseSize.itemVypeejavax.management.openmbean.SimpleType(name=java.lang.Integer)).(itemName=startWindowTime.itemTypeejavax.management.openmbean.SimpleType(name=java.lang.Integer)).(itemName=startWindowTime.itemTypeejavax.management.openmbean.SimpleType(name=java.lang.String)).(itemName=startWindowTime.itemTypeejavax.management.openmbean.SimpleType(name=java.lang.op).(itemName=startWindowTime.itemTypeejavax.management.openmbean.SimpleType(name=java.lang.string)).(itemName=startWindowTime.itemTypeejavax.management.openmbean.SimpleType(name=java.lang.string)).(itemName=startWindowTime=itersHholdTimeInteg.itemTypeejavax.management.openmbean.SimpleType(name=java.lang.string)).(itemName=startWindowTime=string)).(itemName=isjava.lang.string)).(itemName=java.lang.string)).(itemName=isjava.lang.string)).(itemName=startWindowTime=string)).(itemName=java.lang.lang).(itemName=isjava.lang.string)).(itemName=startWindowTime=string)).(itemName=java.lang.lang).(itemName=isjava.lang.string)).(itemName=startWindowTime=string)).(itemName=startWindowTime=string)).(itemName=java.lang.string)).(itemName=string)).(itemName=string).(itemName=string).(itemName=startWindowTime=23:59, subsequentTriggerDelay=300, null</pre>
<pre>javax.management.openmbean.compositeDyteType(name=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.items=(itemName=ClusterConfig.itemSuperSuperSuperSuperSuperSuperSuperSuper</pre>

Figure 3–13 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

- 7. SyncMaxWaitTime value from 45 to 600
 - a. Login to SOA EM and click on

base_domain -> System Mbean Browser -->Application Defined Mbeans -> -> oracle.as.soainfra.config --> Server: soa_server1 --> BPELConfig--> bpel

Figure 3–14 Go to BPEL Config

base_domain • WebLogic Domain • omain_base_domain/base_domain > System	n MBean Browser			Jul 16, 2020 3:31		05:30
ystem MBean Browser 🍓 🍸 🛛 🗞	Application Defined MBean	s: BPELConfig:bpel			Apply	Reve
	() Information The changes made on this mbe	an are not managed by the configuration session. The changes will	be applied	immediately. You cannot undo the changes from th	e Change Ce	enter.
 in oracle.as.ccw in oracle.as.jmx 	Show MBean Information					
oracle.as.soa.iws	Attributes Operations Notificat	ions				
oracle.as.soainfra.bpel	Attributes Operations Notificat	Description	Access	Value		
 in oracle.as.soainfra.bpel in oracle.as.soainfra.bpm.default 		Description	Access RW	Value 50		A
 oracle as soainfra.bpel oracle as soainfra bpm default oracle as soainfra.config Server: soa_server1 	Name	Description				^
foracle as soainfra bpel foracle as soainfra bpm default foracle as soainfra bpm default foracle as soainfra.config foracle as soainfra.config for the former soa_server1 for AlAConfig	Name 29 StartupMaxMessageRaiseS	Description Even Number of messages to recover during startup recovery	RW	50		-
foracle.as.soainfra.bpnl foracle.as.soainfra.bpm.default foracle.as.soainfra.config foracle.as.soainfra.config foracle.as.soainfra.config foracle.as.soainfra.config foracle.as.soainfra.config foracle.as.soainfra.config foracle.as.soainfra.config	Name 29 StartupMaxMessageRaiseS 30 StatsLastN	Description Number of messages to recover during startup recovery The size of the "most recently processed" request list	RW	50		^
foracle.as.soainfra.bpel foracle.as.soainfra.bpm.default foracle.as.soainfra.config foracle.as.soainfra.config foracle.as.soainfra.config foracle.as.soainfra.config foracle.as.soainfra.config	Name 29 StartupMaxMessageRaiseS 30 StatsLastN 31 SyncMaxWaitTime 32 SystemMBean	Description Ize Number of messages to recover during startup recovery The size of the "most recently processed" request list The maximum time a request/response operation will take befo If true, it indicates that this MBean is a System MBean.	RW RW RW R	50 -1 false		· ·
foracle as soainfra bpel foracle as soainfra config for AAAConfig for AAapterConfig for AnalyticsConfig	Name 29 StartupMaxMessageRaiseS 30 StatsLastN 31 SyncMaxWaitTime	Description ize Number of messages to recover during startup recovery The size of the "most recently processed" request list The maximum time a request/response operation will take befo	RW RW RW	50 -1 7007		

- 8. Restart SOA admin and SOA managed server and obphumantask server.
- 9. After completion of restart, attach the oracle/wss_saml_or_username_token_service_policy in com.ofss.ob.webservice.soamanagement.war. To attach the policy:
 - a. Log in to SOA EM.
 - b. Click Application Deployments > com.ofss.ob.webservice.soamanagement > Domain Application Deployment > Administration > Web Services Configuration.

Figure 3–15 Go to Web Services Configuration

c	om.ofss.ob.webservice	soamanagement 0			• •		Auto Refresh	Off •
	Domain Application Deployr	nent 🔻 🕨 Start Up 📃 Sh	ut Down	1	P	lov 11, 2019	9 4:48:07 PM GMT+	05:30 👈
🕽 Infc	Home							
Cert	Monitoring	vailable only when you own th	e edit se	ssion lock. To obtain the lock, click "Lock and Edit" in the Change Center menu.				
Sumn	Control	Summary						
	Logs	Þ	State	Active				
	Deployments							
	Administration	Web Services Configuratio	Hosth 1	ок 🗸				
_	System MBean Browser	General Settings	th	/scratch/app/product/fmw/obpinstall/obp/ob.soa.applications/com.ofss.ob.webservice.soamanagement.war				
Deplo	Target Sitemap	Work Load	an	/scratch/app/product/fmw/obpinstall/obp/ob.soa.applications/com.ofss.ob.webservice.soamanagement/Plan.xii applications/com.ofss.ob.webservice.soamanagement/Plan.xii applications/com.ofss.ob.webservice.soamaagement/c	ni			
	Target Information	Tags	de	(not specified)				
	Up	Targets	de	(not specified)				
		Security	lel	DDonly				
Module	s and Components	Notes	pe	Web Application				
Modules and Components		Instrumentation						
			JUUPE	Global				

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

Figure 3–16 Attach Policy

Com.ofss.ob.webservice.soamanagement 0	hut Down	Nov 11, 2019 4:5	5:09 PM GMT+05:30 👈
/Domain_base_domain/base_domain/com.ofss.ob.webservice.soamanagem	ent > Web Service Configuration > WSM Policy Subject Configuration		
WSM Policy Subject Configuration			
Subject Name SOAManagementServicePort (WebLogic Web Service Select an expression from the Constraint dropdown to view the corresponding) g effective policy references. For policy set flagged as "Not Valid", click the link to view the validation en	ror details. When policies are attached/detach	ed, effective policy
references are recalculated.			
Constraint None			Status Secure
Globally Attached Policies			
Category/Policy Name		Policy Set	Enabled
No rows yet			
Directly Attached Policies			
View 🔻 🥒 Attach/Detach 🔗 Enable 🗶 Disable 🖉) Effective Only All		
Category/Policy Name		Effective	Enabled
Category/Policy Name ∡ security		Effective	Enabled

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4 OBEO Localization Host Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Enterprise Originations Localization Host Media Pack. The subsequent section refers to the variable names specified in Section 2.4 Installation Checklist.

4.1 Installation and Configuration Procedure

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

4.1.1 Preparatory Steps

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

Step 1 Procuring Installables

Download the appropriate host media pack from the following location:

http://edelivery.oracle.com/

Step 2 Extracting the Installables

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

- The zip file:
 - 'obpinstall-host.zip'
 - 'Table_Partitioning.zip'
- The installation script:
 - 'installobphost.sh'
 - 'ossh.sh'
 - 'ossh.sh'
 - · 'load-artifacts.sh'
- The install configuration property file 'installobphost.properties'
- dbScripts_us.tar.gz or dbScripts_au.tar.gz

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in Section 2.4 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 OBEO Localization Host Media Pack installation. The procedure can be started after SOA pre-installation steps are executed.

Following are the domains for XD components of middleware. Domain for batchhost must be created first and then others (no sequence for others).

The following table lists the XD components.

Table 4–1 XD Components

Sr. No.	Name	Value	Description
1	XD_COMPONENT_NAME	batchhost	Value for batch host sever, Policy seeding and BIP reports upload will be done with this batch host server installation.
2	XD_COMPONENT_NAME	obepmhost	Value for OBEPM server (Product Manufacturing)
3	XD_COMPONENT_NAME	obeohost	Value for OBEO server (Origination)
4	XD_COMPONENT_NAME	obpmhost	Value for OBPM server (Party)
5	XD_COMPONENT_NAME	obshhost	Value for OBSHARED server
6	XD_COMPONENT_NAME	obeprhost	Value for OBPR server (Pricing)
7	XD_COMPONENT_NAME	obccmhost	Value for obccm server (LCM)

The following table shows examples of fmw dir name, domain name, server name, and memory parameters. Multiple domains can be created on a single VM according to memory parameters.

XD Component Name	MW_HOME	Domain Name	Server Name or Cluster Name
batchhost	/scratch/app/product/fmw	host_ domain	obphost_ server1/obphost_ cluster1
obepmhost	/scratch/app/product/fmw_pm	obepm_ domain	obepm_ server1/obepm_ cluster1
obeohost	/scratch/app/product/fmw_or	obeo_ domain	obeo_server1/obeo_ cluster1
obpmhost	/scratch/app/product/fmw_party	obparty_ domain	obparty_ server1/obparty_ cluster1
obshhost	/scratch/app/product/fmw_sh	obsh_ domain	obshared_ server1/obshared_ cluster1
obeprhost	/scratch/app/product/fmw_pr	obpr_ domain	obpr_server1/obpr_ cluster1
obccmhost	/scratch/app/product/fmw_occm	occm_ domain	occm_server1/occm_ cluster1

Table 4–2 Examples of FMW Dir Name, Domain Name, Server Name and Memory Parameters

Memory Parameters

1. Batchhost:

- Admin Server: USER_MEM_ARGS="-Xms2g -Xmx4g"
- Managed Server: USER_MEM_ARGS="-Xms8g -Xms8g -XX:NewSize=2048m -XX:MaxNewSize=4096m -XX:+UseParNewGC -XX:+CMSParallelRemarkEnabled -XX:+UseConcMarkSweepGC -XX:CMSInitiatingOccupancyFraction=75"
- 2. Other XD HOST:
 - Admin Server: USER_MEM_ARGS="-Xms512m -Xmx512m"
 - Managed Server: USER_MEM_ARGS="-Xms1g -Xmx3g -XX:+UseG1GC -XX:ParallelGCThreads=8 -XX:ConcGCThreads=2 -XX:+UseStringDeduplication"

Batchhost Installation Steps

Following are the pre-installation steps for batchhost XD component.

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.

Value for below properties should be 'Y' in installobphost.properties for batchhost installation. For other XD host, value should be 'N'.

- OID_FARM_AND_POLICY_SEEDING_FLAG
- BIP_REPORTS_UPLOADING_FLAG

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 7.1 Pre-Installation Steps and Section 7.2 OBEO 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.

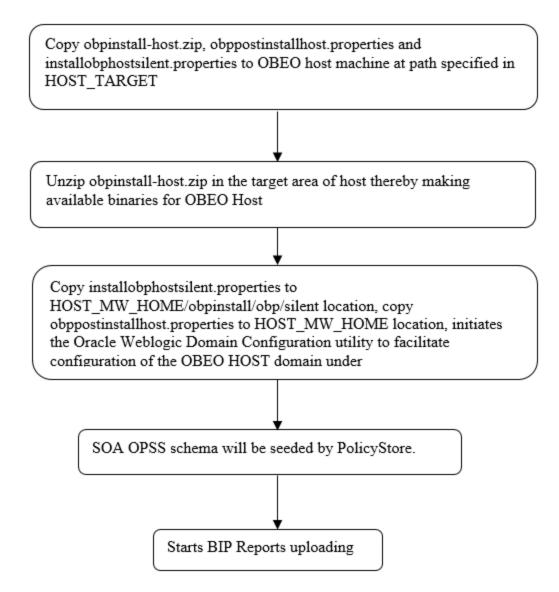
- OBP_HOST_DB_USER and BIP_DATASOURCE_NAME must be same in installobphost.properties.
- The following schemas are manually created prior to installation and are available for updation in the checklist:
 - OBP_HOST_DB_USER (by RCU)
- MDS_HOST_DB_USER as updated in installobphost.properties and MDS_SCHEMA_USER as updated in installobpui.properties should point to the same MDS db schema.

4.1.3 Installation Steps

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

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





A sample output is given here.

Figure 4–2 Verification of Properties

/seraten/instatt/nost	
[ofssobp@mum00adh host]\$./installo	
The present working directory is /so	cratch/install/host. It is assumed that all installables are present in this directory.
Printing the information:	
SILENT_INSTALL	: у
OID FARM AND POLICY SEEDING FLAG	: Y
BIP_REPORTS_UPLOADING_FLAG	: Y
LOCAL IP	: 10.180.85.195
LOCAL DISPLAY VALUE	: 0.0
DOMAIN NAME	: host domain
DOMAIN DIRECTORY LOCATION	: /scratch/app/product/fmw/user projects/domains
WEBLOGIC USERNAME	: weblogic
WEBLOGIC PASSWORD	: weblogic1
ADMIN SERVER LISTEN ADDRESS	: 10.180.85.195
ADMIN SERVER LISTEN PORT	: 7001
ADMIN_SERVER_SSL_LISTEN_PORT	: 7002
MANAGED SERVER LISTEN ADDRESS	: 10.180.85.195
MANAGED SERVER LISTEN PORT	: 8001
MANAGED SERVER SSL LISTEN PORT	: 8002
LDAP_PROVIDER	: OID
OID IP	: 10.180.87.84
OID ADMIN USER	: cn=orcladmin
OID ADMIN PWD	: welcomel
OID GROUP DSN	: cn=Groups,dc=in,dc=oracle,dc=com
OID USER DSN	: cn=Users,dc=in,dc=oracle,dc=com
NODE MGR PORT	: 5556
HOST SERVER NAME	: obphost server1
HOST CLUSTER NAME	: obphost_cluster1
HOST IP	: 10.180.85.195
HOST TARGET	: /scratch/install/target
HOST_JAVA_HOME	: /scratch/app/product/jdk1.8.0 101
OUI JAVA HOME	: /scratch/app/product/jdk1.8.0 101
CENTRAL_INVENTORY_LOC	: /scratch/app/oraInventory
HOST_MW_HOME	: /scratch/app/product/fmw
UI_ADMIN_SERVER_LISTEN_ADDRESS	: 10.180.85.196
UI_ADMIN_SERVER_LISTEN_PORT	: 7001
UI_MANAGED_SERVER_SSL_LISTEN_PORT	: 8002
SOA_ORACLE_HOME	: \$08

Figure 4–3 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 4–4 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
OTH 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 4–5 Verification of Properties (contd)

	: POSUser
POSUSER_OUTBOUND_USERNAME	: Pososei : welcomel
POSUSER_OUTBOUND_PASSWORD DMSHOST_OUTBOUND_USERNAME	; webloaic
DMSHOST_OUTBOUND_PASSWORD	: weblogic1
DMSUI_OUTBOUND_USERNAME	: weblogic
DMSUI_OUTBOUND_PASSWORD	: weblagic1
OCH_OUTBOUND_USERNAME	: weblogic
OCH_OUTBOUND_PASSWORD	: weblogic1
KEYSTORE_PASSWORD	: welcome1
SOA_IP	: 10,180,85,159
SOA UNIX USER	
UI_MANAGED_SERVER_LISTEN_ADDRESS	
UI_MANAGED_SERVER_LISTEN_PORT	: 8001
CARD_USERNAME	: orakey
CARD_PASSWORD RULE_USERNAME	: welcomel
	: orakey
—	
SECONTH_ENABLED	
Dlassa taka your time and go throug	ab the information printed above in detail
If the above mentioned information	is correct place anter V or v to proceed. Drass any other key to exit the installation
	is confect, prease enter i of y to proceed. Press any other key to exit the installation.
RULE_PASSWORD BAM_USERNAME BAM_PASSWORD USER_TIMEZONE HOST_SSL_PASSWORD REMOTE_EXECUTION SECURITY_ENABLED Please take your time and go throug If the above mentioned information	: weblogic : weblogic : weblogic1 : +5:30 : welcome1 : Y gh the <u>information printed above in detail</u> . is correct, please enter Y or y to proceed. Press any other key to exit the installation.

3. Verify the value of each property carefully before proceeding.

4. If all values are correct, then enter 'Y' or 'y' and press Enter to initiate the installation. The installation utility performs the installation and domain is created silently.

Figure 4–6 Confirmation and Copying of Installables to Target Machine

Please lake your lime and go inrough the information printed above in delait.	
If the above mentioned information is correct, please enter Y or y to proceed.	Press any other key to exit the installation.
V	Those any other ney to only the installation
, Installation will begin in sometime.	
Please wait while the installables are copied onto the servers.	
The authenticity of host '10.180.85.195 (10.180.85.195)' can't be established.	
ECDSA key fingerprint is d2:0d:11:1e:f1:e3:6c:ca:96:55:94:61:21:3a:56:56.	
Are you sure you want to continue connecting (yes/no)? yes	
Warning: Permanently added '10.180.85.195' (ECDSA) to the list of known hosts.	
ofssobp@10.180.85.195's password:	
obpinstall-host.zip	100% 888MB 221.9MB/s 00:04
installobphostsilent.properties	100% 1317 1.3KB/s 00:00
ofssobp@10.180.85.195's password:	1000 1517 1.588/5 00.00
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.sgl.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/SOAPpy-0.12.5.tar.gz	
inflating: /scratch/install/target/suds-0.4.tar.gz	
inflating: /scratch/install/target/wstools-0.4.3.tar.gz	
Finished copying the installables to the target server.	
The configuration of OBP Host domain shall begin immediately thereafter. Press	
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/obp	whost_generic.jar -silent ORACLE_HOME=/scratch/app/product/fmw/obpinstal

Installation will begin in Silent Mode in sometime. Please wait for the first screen to come up ofsobp@10.180.85.105's password: --> /scratch/app/product/jdkl.8.0_101/bin/java -jar /scratch/install/target/obphost_generic.jar -silent ORACLE_HOME=/scratch/app/product/fmw/obpinstal INVENTORY_LOCATION-/scratch/app/oraInstall2018-05-03_02-55-30PM/launcher2018-05-03_02-55-30PM.log. Extracting files Starting Oracle Universal Installer Checking if CPU speed is above 300 MHz. Actual 2693.527 MHz Passed Checking swap space: must be greater than 512 MB. Actual 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 30062 MB Passed Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2018-05-03_02-55-30PM

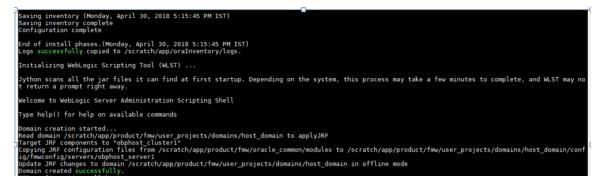
Figure 4–7 Confirmation and Copying of Installables to Target Machine (contd)

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

	37% Done.
	75% Done.
nstallation in progress (Thursday, May 3, 2018 2:55:53 PM IST) 98% Done.	
nstall successful	
inking in progress (Thursday, May 3, 2018 2:55:53 PM IST) ink successful	
etup in progress (Thursday, May 3, 2018 2:55:53 PM IST) etup successful	
aving inventory (Thursday, May 3, 2018 2:55:53 PM IST) aving inventory complete onfiguration complete	
nd of install phases.(Thursday, May 3, 2018 2:55:54 PM IST) ogs successfully copied to /scratch/app/oraInventory/logs.	
nitializing WebLogic Scripting Tool (WLST)	
vthon scaps all the jar files it can find at first startup. Den	ending on the system, this process may take a few minutes to complete, and WLST may n

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

Figure 4–9 Domain Installation Confirmation



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

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

OID configuration will begin now		
ofssobp@10.180.85.195's password:		
ofssop@ie.180.85.193'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/jpS-unsupported-api.jar		
	•	
PolicyStoreSetup/lib12212/javax.persistence.jar		
PolicyStoreSetup/lib12212/javax.persistence.jar		
PolicyStoreSetup/lib12212/jps-api.jar		
PolicyStoreSetup/lib12212/identitystore.jar		
PolicyStoreSetup/lib12212/javax.faces.jsf-api.jar		
PolicyStoreSetup/lib12212/identitydirectory.jar		
PolicyStoreSetup/lib12212/jps-wls.jar		
PolicyStoreSetup/lib12212/adf-share-security.jar		
PolicyStoreSetup/lib12212/javax.security.jacc.jar		
PolicyStoreSetup/lib12212/identityutils.jar		
PolicyStoreSetup/lib12212/adf-controller-security.jar		
PolicyStoreSetup/lib12212/ojdl.jar		
PolicyStoreSetup/lib12212/osdt_xmlsec.jar		
PolicyStoreSetup/lib12212/org.openliberty.openaz.azapi 1.1.jar		
PolicyStoreSetup/lib12212/osdt_wss.jar		
PolicyStoreSetup/lib12212/jps-wls-trustprovider.jar		
PolicyStoreSetup/lib12212/jps-se.jar		
PolicyStoreSetup/lib12212/jps-az-rt.jar		
PolicyStoreSetup/lib12212/jps-patching.jar		
PolicyStoreSetup/lib12212/jps-common.jar		
PolicyStoreSetup/lib12212/jps-platform.jar		
PolicyStoreSetup/lib12212/osdt_saml.jar		
PolicyStoreSetup/lib12212/osdt_cert.jar		
PolicyStoreSetup/lib12212/jps-pep.jar		
PolicyStoreSetup/lib12212/jps-manifest.jar		
PolicyStoreSetup/lib12212/jps-mbeans.jar		
PolicyStoreSetup/lib12212/osdt_core.jar		
PolicyStoreSetup/lib12212/jps-az-management.jar		
PolicyStoreSetup/lib12212/wsm-policy-core.jar		
PolicyStoreSetup/lib12212/dms.jar		
PolicyStoreSetup/lib12212/ondf_ws_sx.jar		
PolicyStoreSetup/lib12212/jps-internal.jar		
a or relation of the rest of t		

adf-controller-security.jar	100%	2255	2.2KB/s	00:00
jps-ee, jar	100%		78.5KB/s	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
identitydirectory.jar	100%		270.0KB/s	00:00
javax.security.jacc.jar	100%		51.0KB/s	00:00
jps-audit.jar	100%		891.6KB/s	00:00
adf-share-security.jar	100%		22.0KB/s	00:00
jps-sidm-api.jar	100%	4326	4.2KB/s	00:00
jps-common.jar	100%	1519KB	1.5MB/s	00:00
dms.jar	100%	2253KB	2.2MB/s	00:00
jps-internal.jar	100%	6636KB	6.5MB/s	00:00
osdt_saml2.jar	100%	281KB	280.9KB/s	00:00
identītyutīls.jar	100%	211KB	210.8KB/s	00:00
javax.faces.jsf-api.jar	100%	355KB	355.3KB/s	00:00
eclipselink.jar	100%	8865KB	8.7MB/s	00:00
jps-az-common.jar	100%	407KB	407.0KB/s	00:00
fmw_audit.jar	100%	1148	1.1KB/s	00:00
osdt_wss.jar	100%	186KB	186.4KB/s	00:00
osdt_ws_sx.jar	100%	241KB	240.8KB/s	00:00
jps-az-management.jar	100%		314.4KB/s	00:00
oraclepki.jar	100%	295KB	295.4KB/s	00:00
ojdbc6dms.jar	100%	4325KB	4.2MB/s	00:00
UIComponentsDiagnosticHelper.sh	100%	167	0.2KB/s	00:00
README_UPGRADE.txt		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%		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 4–11 Untar the policyStoreSetup and Copy on destination location (contd)

ofss-oid-silent-createOIDDomain.py	100% 2533	2.5KB/s	00:00
installobphostsilent.py	100% 2333	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
jmsas yncauditmodule-jms.xml	100% 1630	1.6KB/s	00:00
jmspricinganalysismodule-jms.xml	100% 1676	1.6KB/s	00:00
jmspireznyana yozsnaaca jmsinme	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.		210112/0	
ofssobp@10.180.85.195's password:			
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/createDummyDomain	AndStartSeedingOID.sh to Unix forma	at	
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/ofss-oid-silent-c	reateOIDDomain.pv to Unix format .		
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/ofss-oid-silent-s	eedOIDDomain.pv to Unix format		
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/oid-configure-sil	ent.properties to Unix format		
dos2unix: converting file /scratch/app/product/fmw/obpoidinstall/silent/oid/seedOIDDomain.sh	to Unix format		
Archive: /scratch/app/product/fmw/obpoidinstall/PolicyStoreSetup/UtilityConfig/UIComponents_	new.zip		
inflating: UIComponents new.csv			
Start Time : May 3, 2018 2:59:42 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules.cs	v		
Application Policy=OBP with policy domain =OBP will be created.			
Do you want to continue?(y/n)			
v			

Figure 4–12 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 4–14 Policy Seeding (contd)

File = /UtilityConfig/FactoryShippedAccessPolicyRules-1.csv, Policies to be added=600 Start Time : Apr 30, 2018 5:27:09 PM, File = /UtilityConfig/FactoryShippedAccessPolicyRules-7.csv 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 4–15 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:	1000	1.01/10	10.000	
TDS001.xdoz	100%		12.8KB/s	00:00
TDS001.rtf	100%			00:00
TDS001.xdmz		2168	2.1KB/s	00:00
CSWHTX00001.xdmz		2249	2.2KB/s	00:00
CSWHTX00001.xdoz	100%		12.8KB/s	00:00
CSWHTX00001.rtf	100%		64.0KB/s	00:00
	100%		425.5KB/s	00:00
PL001.xsl PL001.xdoz	100%		120.2KB/s	00:00 00:00
PL001.xd02 PL001.xdmz	100%	2950	11.5KB/s	00:00
PL001.XdmZ PL004.rtf	100%		2.9KB/s 318.5KB/s	00:00
PC044.101	100%	98KB	98.5KB/s	00:00
PE004VD, x81	100%		30.0KB/s	00:00
PC04402, X022 PL004VD, Xdmz		2569	2.5KB/s	00:00
PL003.rtf	100%		304.1KB/s	00:00
PL003.xdoz	100%			00:00
PL003.x02	100%			00:00
PL003.xdmz		2425	2.4KB/s	00:00
PL008.xsl	100%		82.1KB/s	00:00
PL008.xdmz		2688	2.6KB/s	00:00
PL 008.xdoz	100%			00:00
PL008.rtf	100%		264.3KB/s	00:00
PL009.xsl	100%			00:00
PL009.xdmz	100%	2421	2.4KB/s	00:00
PL009.rtf	100%	280KB	280.2KB/s	00:00
PL009.xdoz	100%		28.2KB/s	00:00
PL011.xsl	100%	75KB		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 4–16 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
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "BR105.xdoz" from "/scratch/app/product/fmw bip/bi/clients/obpdeploy/ob.reports/ob.reports/TP/BR105" to "~weblogicOBP/R262INSTALLER/ob
reports/TP/BR105/BR105.xdo"
[import] Connect to http://10.180.6.143:9502/xmlpserver/ using weblogic
May 10, 2018 3:20:17 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "BR105.xdmz" from "/scratch/app/product/fmw_bip/bi/clients/obpdeploy/ob.reports/ob.reports/TP/BR105" to "~weblogicOBP/R262INSTALLER/ob
.reports/TP/BR105/BR105.xdm"

```
Figure 4–17 BIP Reports Upload (contd)
```

May 10, 2018 3:28:14 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARNING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "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"

Similar to above, perform pre-installation for other XD components.

If you are creating multiple domains on same VM, then change fmw path, domain path, ports, node manager port and so on.

OID POLICY SEEDING and BIP Reports upload will be done only once during batchhost installation.

4.1.4 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 4–3 Properties Property	Description	Example
BANK_CODE	Indicates the bank code	BANK_CODE=335
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

Table 4–3 Properties

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

Step 2 ATM and POS Trace logs

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

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

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

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

Step 4 Multiple Instances

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

Table 4–4 Examples of files

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

4.2 Post Installation Configuration

This section describes the post installation configuration procedure for OBEO Localization Host Media Pack. The procedure can be started after SOA pre-installation and standalone database setup steps are executed.

Checklist for Post Installation Procedure

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

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

For more information, see Section 7.3.3 HOST DB Schema Seeding and Section 7.3.4 System Configuration DB Update Script Execution.

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

\$netstat -na | grep 5556

Post Installation Configuration

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

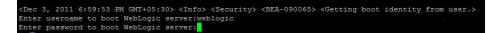
cd <middleware home>

cd user projects/domains/obphostdomain/bin

./startWebLogic.sh

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

Figure 4–18 Host Domain Admin Server Credentials



- 3. Once the server status changes to RUNNING, proceed to execute the post installation script for Host domain located under middleware. This script performs a multitude of configurations such as:
 - Making changes in OBEO 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

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

Note

- 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	: 0ID
OID ĪP	: 10.180.87.84
OID PORT	: 389
OID ADMIN USER	: cn=orcladmin
OID ADMIN PWD	: welcomel
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
HOSTIP	: 10.180.85.195
H0ST_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	: 508
SOA_UNIX_USER	: ofssobp
SOA MW HOME	: /scratch/app/product/fmw
SOA_MANAGED_SERVER_LISTEN_ADDRESS	: 10.180.85.159
SOA_MANAGED_SERVER_LISTEN_PORT	: 8001
SOA_WEBLOGIC_USERNAME	: weblogic
SOA_WEBLOGIC_PASSWORD	: weblogic1
UI_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 4–19 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 4–20 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	: welcomel
UI_MANAGED_SERVER_LISTEN_ADDRESS	: 10.180.85.196
UI_MANAGED_SERVER_LISTEN_PORT	: 8001
CARD_USERNAME	: orakey
CARD_PASSWORD	: welcomel
RULE_USERNAME	: orakey
RULE_PASSWORD	: welcomel
BAM_USERNAME	: weblogic
BAM_PASSWORD	: weblogic1
USER_TIMEZONE	: +5:30
HOST_SSL_PASSWORD	: welcomel
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.
If the above mentioned informatio	n is correct, please enter Y or y to proceed. Press any other key to exit the installation.
V	

Figure 4–21 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 e	exit the installa	tion.		
, Post-installation will begin in sometime				
ofssobp@10.180.85.159's password:				
bpm-services.jar	100%	16MB	15.5MB/s	00:00
bpm-services.jar copied from SOA machine				
ofssobp@10.180.85.159's password:	1000	1001//0	1 (10)/-	00.00
soa-infra-mgmt.jar	100%	1001KB	1.6MB/s	00:00
soa-infra-mgmt.jar copied from SOA machine ofssobp@10.180.85.159's password:				
orabpel.jar	100%	6020KB	6.8MB/s	00:00
bpm-services.jar copied from SOA machine	1000	002010	01010/3	00.00
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:	1000	0000WD	0.0110/	
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%	620/KB	6.1MB/s	00:00
versioninfo.jar copied from BIP machine	100%	0204110	0,100/3	00.00
ofssobp@10.180.6.143's password:				
imaging-client.jar	100%	863KB	863.3KB/s	00:00
imağıng-client.jar copied from IPM machine				
ofssobp@10.180.6.143's password:				
oracle.ucm.ridc-11.1.1.jar	100%	619KB	618.9KB/s	00:00
oracle.ucm.ridc-11.1.1.jar copied from IPM machine				
BIP_SERVICE_ENDPOINT as http://10.180.6.143:9502/xmlpserver/services/PublicReportService?wsdl				
IPM_URL as http://10.180.6.143:16000/imaging/ws				
JDBC String as jdbc:oracle:thin:@10.180.87.84:1521:P8784A				

Figure 4–22 Host Domain Post Installation Script Execution (contd)

Figure 4–23 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.wsdl.client.recovery. jar:/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.recovery. jar:/scratch/app/product/fmw/obpinstall/obp/com.ofss.fc.lient.proxy.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.com.ofss.fc.usdl.com.jar:/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client.coll/APP-INF/lib/com/lis/stratch/app/product/fmw/obpinstall/obp/nofuct/fmw/obpinstall/obp/nofuct/fmw/obpinsta</pre>
Java HotSpot(TM) 64-Bit Server VM warning: ignoring option MaxPermSize=S12H; support was removed in 8.0
System property [org.owasp.esapi.opsteam] is not set Attempting to load ESAPI.properties via fale 170. System property [org.owasp.esapi.devteam] is not set
Attempting to load ESAPI.properties as resource file via file I/O. Not found in "org.owasp.esapi.resources" directory or file not readable: /scratch/app/product/fmw/user_projects/domains/host_domain/ESAPI.properties Found in SystemBesource Directory/resourceDirectory: /scratch/app/product/fmw/ubpinstall/obp/config/.esapi/ESAPI.properties Loaded "ESAPI.properties" properties file SecurityConfiguration for Validator.ConfigurationFile.MultiValued not found in ESAPI.properties. Using default: false Attempting to load validation.properties via File I/O. Attempting to load validation.properties via File I/O. Not found in "org.owasp.esapi.resources" directory or file not readable: /scratch/app/product/fmw/user_projects/domains/host_domain/validation.propert ies
ies Found in SystemResource Directory/resourceDirectory: /scratch/app/product/fmw/obpinstall/obp/config/.esapi/validation.properties Loaded 'validation.properties' properties file Server: Could not initialize class com.dfss.fc.infra.das.orm.DataAccessManager Mule Utility executed successfully. Refer OBP host log for details Press any key to continue [ofssobp@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> </logging_configuration>

add:

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

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

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

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

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

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

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

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

10. Then start the admin and managed servers after verifying details as mentioned in Section 4.3 REST (SWAGGER) Deployment Check to check the domain configuration status as described in verification part in Section 12.2 Host Domain Verification.

Similar to the above batchhost post installation, perform post installation for other XD components.

4.3 REST (SWAGGER) Deployment Check

This section lists the steps to check REST API deployment. REST API deployment has already been done in Section 4.2 Post Installation Configuration. Verify the following points that are part of batchhost installation:

- 1. OWSM keystore creation on HOST EM: It is a part of host post installation. Verify if OWSM is present on HOST EM console. If not, then create it.
 - a. Log in to HOST EM and click weblogin domain > security > keystore.

t= [WebLogic Domain 👻	
Domain_	Home	
Ceyst	Monitoring	•
he Keys reate a	Diagnostics	These are organized into namespaces calle tore, change a keystore password, or deleted
View 🧃	Control	Delete 👓 Manage / Ch
Nar	Logs	>
•	Environment	Security Realms
•	Deployments	Security Administration
•	JDBC Data Sources	Web Service Security
Þ	Messaging	Application Policies
Þ	Cross Component Wiring	Application Roles
	Web Services	System Policies
	Other Services	Security Provider Configuration
	Administration	Audit Registration and Policy
	Refresh WebLogic Domain	Credentials
	Security	Keystore

Figure 4–24 Navigate to Keystore

- b. Create Stripe 'OWSM'.
- c. Create KeyStore 'keystore' under OWSM.

Figure 4–25 Create Keystore

host_domain •	Nev 11, 2019 5:39:05 PM (2017+05:30 👌
/Domain_host_domain/host_domain > Keystore	
Keystore	
The Keystore is a repository of keys and security cert keystore within a stripe, manage certificates in a keyst	tificates. These are organized into namespaces called "stripes". To work with a stripe or a keystore, select its row in the table and select a menu option. On this page you can create a stripe, create a store, change a keystore password, or delete a stripe or keystore.
View 👻 🕂 Create Stripe 🕂 Create Key	rstore 💢 Delete 👓 Manage 🥒 Change Password 🔛 Detach
Name	Protection
🕨 🚞 system	nia
opss	nia
🕨 🚞 ums	nia
BPM_CRYPTO_STRIPE	na
🔺 👝 owsm	na
A keystore	Policy

d. Click Manage and generate Keypair using the following values:

Alias: orakey Common name: orakey Organizational Unit: Oracle Cloud for Industry Organization: Oracle Corporation City: Redwood Shores State: California Country: United States

Figure 4–26 Generate Keypair

Generate Keypair	
* Alias	orakey
* Common name	orakey
Subject Alternative Names	
	le le
Organizational Unit	Oracle Cloud for Industry
Organization	Oracle Corporation
City	Redwood Shores
State	California Select a country.
Country	United States
Кеу Туре	RSA T
Key Size	2048 ¥
	OK Cancel

2. jax-rs library deployment on host console.

- 3. Host IP with port will be present in json/yaml files under \$MW_HOME/obpinstall/obp/OBPAPI/yaml.
- 4. OBPAPI folder present under \$MW_HOME/obpinstall/obp and it gets deployed as a war on host.

Figure 4–27 OBPAPI deploy on obphost_cluster1

Co.app.host.tp.cz(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphost_server1	Global	100
E @ OBPAPI	Active	≪ ок	Web Application	obphost_cluster1	Global	100
od.didnistory(1.0,12.2.1)	Active		Library	AdminServer, obphost_cluster1	Global	100
od.didhistory.webapp(1.0, 12.2.1)	Active		Library	AdminServer, obphost_cluster1	Global	100

5. After completion of the above steps, restart the HOST managed server to reflect the changes.

http://\$HOSTIP:\$HOSTPORT/OBPAPI/home.html

Figure 4–28 REST API

\leftrightarrow \rightarrow \mathfrak{C} \mathfrak{A}	③ mum00aer.in.orade.com:8001/OBPAPI/home.html	💟 🔂 🔍 Se	earch 👱 🕅 🖸	⊡ =
	king Platform API			
	Q. Search for an API	API Reference Guide		
Introduction to A		Qui	ick Links	
Oracle Banking Platfo desktop and mobile d	rm(OBP) API lets the bank tap into the core banking solution, extending / building their own OBP powe evices.	red applications for the web,	-	
OBP REST API Ba	asic	5 	-	
	urce-based (or data-based) operations and inherits its operations (GET, PUT, POST, DELETE) from HTT rowsers to consume it	P. This makes it easy for both	loans	
	rowsers to consume it	If a unit of the unit of the second sec	Term Deposits	
something to a mobile app (say, an image to Instagram) and losi	e app (say, an image to Instagram) and loses reception, REST allows the process to be retried without		Product Manufacturing Unit	
·	8P REST APIs are stateless.	<u>t</u> a	Collateral Management	
Learn more		<u> </u>	Party	

Note:

- RestServices ear should be deployed on different weblogic domain for consumption by external clients.
- Current deployment will cater to OJET UI.

5 OBEO Localization Presentation Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Enterprise Originations Localization Presentation (UI) Media Pack. The subsequent section refers to the variable names specified in Section 2.4 Installation Checklist.

5.1 Installation and Configuration Procedure

This section details the installation procedure for the Oracle Banking Enterprise Originations Localization Presentation Media Pack.

5.1.1 Preparatory Steps

This section lists the preparatory steps required for the Oracle Banking Enterprise Originations Localization Presentation Media Pack installation.

Step 1 Procuring Installables

Download the appropriate presentation media pack from the following location:

http://edelivery.oracle.com/

Step 2 Extracting the Installables

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

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

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in Section 2.4 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 Enterprise Originations Localization Presentation Media Pack installation. The procedure can be started after SOA pre-installation steps are executed.

Step 1 Updating installobpui.properties

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

Step 2 Checklist for a new setup

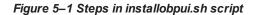
Before initiating installation on a completely new setup, check the following:

- Make sure required RCU schemas have been created. For more information, see Section 7.1 Pre-Installation Steps and Section 7.2 OBEO Database Setup – RCU Installation.
- Node manager must not be running on the target machine.
- Create a dummy folder named as Target and mention its path against UI_TARGET property.
- In case of a re-installation ensure that the directory paths against DOMAIN_DIRECTORY_ LOCATION, HOST_TARGET and HOST_MW_HOME specified in installobpui.properties are cleaned up for traces of any previous installations, as the remote shell copy may not be overwriting in case of any residual file left by the previous run.
- No processes should be running on the port in HOST machine given in installobpui.properties.
- MDS_SCHEMA_USER schema given in the installobpui.properties exists. This should point to the same schema as MDS_HOST_DB_USER of installobphost.properties.
- Values given in installobpui.properties must be correct. At run time, no option will be given to change the values.

5.1.3 Installation Steps

This section lists the installation steps required for the Oracle Banking Enterprise Originations Localization Presentation Media Pack installation.

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



Unzip obpinstall-ui-soa.zip in the target area of UI thereby making available binary for OBEO UI itself

Executes the jar file obpuisoa_us_generic.jar or obpuisoa_au_generic.jar in the "UI_MW_HOME" to create a directory named "obpinstall", copies obppostinstallui.properties to "UI_MW_HOME", copies installobpuisilent.properties to UI_MW_HOME/obpinstall/obp/silent, initiates the Oracle WebLogic Domain Configuration

 $Creates\ domain\ in\ DOMAIN_DIRECTORY_LOCATION\ and\ Post\ installscripts\ in\ UI_MW_HOME\ location$

A sample output is given here.

Figure 5–2 Confirmation to Proceed Domain Installation

[ofssobp@mum00adi ui]\$./installobp	uui.sh
	cratch/install/ui. It is assumed that all installables are present in this directory.
Printing the installation details:-	
SILENT_INSTALL	: у
LOCAL_IP	: 10.180.85.196
LOCAL_DISPLAY_VALUE	: 0.0
DOMAIN_NAME	: ui_domain
DOMAIN_DIRECTORY_LOCATION	: /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME	: weblogic
WEBLOGIC_PASSWORD	: weblogic1
MDS_SCHEMA_USER	: PRDUI_MDS
MDS_SCHEMA_PASSWORD	: welcomel
MDS_DB_IP	: 10.180.87.84
MDS_DB_PORT	: 1521
MDS_DB_SERVICE_NAME	<pre> Y 10.180.85.196 0.0 ui_domain /scratch/app/product/fmw/user_projects/domains weblogic weblogic1 PRDUI_MDS welcome1 10.180.87.84 1521 P8784A OBP262 welcome1 i0.180.87.84 1521</pre>
HOST_SCHEMA_USER	: OBP262
HOST_SCHEMA_PASSWORD	: welcomel
HOST_DB_IP	: 10.180.87.84
HOST_DB_PORT	: 1521
HOST_DB_SERVICE_NAME	: P8784A
NOST_DB_PORT HOST_DB_PORT OPSS_SOA_SCHEMA_USER OPSS_SOA_SCHEMA_PASSWORD OPSS_SOA_DB_IP OPSS_SOA_DB_IP	: PRDSOA OPSS
OPSS SOA SCHEMA PASSWORD	: welcomel
OPSS_SOA_DB_IP	: 10.180.87.84
OPSS_SOA_DB_PORT	: 1521
OPSS_SOA_DB_PORT OPSS_SOA_DB_SERVICE_NAME ADMIN_SERVER_LISTEN_ADDRESS	: P8784A
ADMIN_SERVER_LISTEN_ADDRESS	: 10.180.85.196
ADMIN_SERVER_LISTEN_PORT	: 7001
ADMIN_SERVER_SSL_LISTEN_PORT	: 7002
MANAGED_SERVER_LISTEN_ADDRESS	: 10.180.85.196
MANAGED SERVER LISTEN PORT	: 8001
MANAGED_SERVER_SSL_LISTEN_PORT	: 8002
LDAP_PROVIDER	: OID
0ID_IP	: 10.180.87.84
LDAP_PROVIDER OID_IP OID_ORT OID_ADMIN_USER	: 389
OID_ADMIN_USER	: cn=orcladmin
OID_ADMIN_PWD	: welcome1

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
UI_IP	: 10.180.85.196
UI_CLUSTER_NAME	: obpui_cluster1
UI_SERVER_NAME	: obpui_server1
UI_TARGET	: /scratch/install/target
UI_MW_HOME	: /scratch/app/product/fmw
UI_JAVA_HOME	: /scratch/app/product/jdk1.8.0_101
OUI_JAVA_HOME	: /scratch/app/product/jdk1.8.0_101
CENTRAL_INVENTORY_LOC	: /scratch/app/oraInventory
INSTALL_AS	: ofssobp
IPM_SERVER_IP	: 10.180.6.143
IPM_SERVER_PORT	: 16000
OFSAA_SERVER_IP	: ofsaa-ofss.com
OFSAA_SERVER_PORT	: 17000
OAAM_SERVER_IP	: oaam-ofss.com
OAAM_SERVER_PORT	: 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
	cMarkSweepGC -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	
HOST_MANAGED_SERVER_LISTEN_PORT	: 8001
SOA_MANAGED_SERVER_LISTEN_ADDRESS	: 10.180.85.159
SOA_MANAGED_SERVER_LISTEN_PORT	: 8001
SOA_ADMIN_SERVER_LISTEN_ADDRESS	: 10.180.85.159
SOA_ADMIN_SERVER_LISTEN_PORT	: 7001
KEYSTORE_PASSWORD	: welcome1
UI_SSL_PASSWORD	: welcome1
UCM_READ_FROM_URL	: true
UCM_IP	: ofss.ucm.com
UCM_PORT	: 4444
OFFLINE_CHANNEL_OUTBOUND_USERNAME	: offlineuser

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

OFFLINE CHANNEL OUTBOUND USERNAME	: offlineuser
OFFLINE CHANNEL OUTBOUND PASSWORD	
CARD USERNAME	: orakey
CARD_PASSWORD	: welcome1
RULE_USERNAME	: orakey
RULE_PASSWORD	: welcome1
USER_TIMEZONE	: +5:30
REMOTE_EXECUTION	: Y
IPM_USERNAME	: weblogic
IPM_PASSWORD	: weblogic1
FTP_IPM_USERNAME	: ofssobp
FTP_IPM_PASSWORD	: ofssobp123
FTP_IPM_BATCH_USERNAME	: ofssobp
FTP_IPM_BATCH_PASSWORD	
IPM_HOME	: /scratch/app/product/fmw_ipm/Oracle_ECM1
BIP_SERVER_IP	: 10.180.6.143
BIP_SERVER_PORT	: 9502
BIP_UNIX_USER	: ofssobp
BIP_HOME	: /scratch/app/product/fmw_bip/bi
HOST_UNIX_USER	: ofssobp
Please take your time and go throug If the above mentioned information	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 5–4 Confirmation to Proceed Domain Installation (contd)

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

Figure 5–5 Copying and Extraction of obpinstal	l-ui-soa.zip
--	--------------

Please take your time and go through the information printed above in detail. If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the ins y Installation will begin in sometime. Please wait while the installables are copied onto the servers. The authenticity of host '10.180.85.196 (10.180.85.196)' can't be established. ECOSA key fingerprint is 31:10:21:f8:86:6a:ad:5e:5c:e0:ff:01:8b:d0:d6:d8. Are you sure you want to continue connecting (yes/n0)? yes	tallation.
<pre>Warning: Permanently added '10.180.85.196' [ECDSA) to the list of known hosts. ofssobp@0.180.85.196's password: obpinstall-ui.zip installobpuisilent.properties The confayuration 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</pre>	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/jnstalldomain.sh inflating: /scratch/install/target/obp-ui-post-install.sh inflating: /scratch/install/target/obp-ui-post-install.py inflating: /scratch/install/target/obp-ui-post-install.py inflating: /scratch/install/target/docutils-0.12.tar.gz inflating: /scratch/install/target/PYYAML-3.11.tar.gz inflating: /scratch/install/target/PYYAML-3.11.tar.gz inflating: /scratch/install/target/PYYAML-3.11.tar.gz inflating: /scratch/install/target/SOAPpy-0.12.S.tar.gz inflating: /scratch/install/target/SOAPpy-0.4.3.ra.gz inflating: /scratch/install/target/ystols-0.4.ar.gz inflating: /scratch/install/target/wstols-0.4.3.ra.gz inflating: /scratch/install/target/wstols-0.4.3.ra.gz inflating: /scratch/install/target/wstols-0.4.3.ra.gz inflating: /scratch/install/target/notols-0.4.3.ra.gz inflating: /scratch/install/target/soal-0.5.13-19PM/launcher2018-05-03_05-13-19PM.log. Extracting files</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.
country products tast record watch
_oading products. Please wait.
County products. rease wart.
47%
76%
86%
90%
93%
24% Done.
96% Done
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 S: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 5–6 Copying and Extraction of obpinstall-ui-soa.zip (contd)

Figure 5–7 Domain Creation Confirmation

Installation in progress (Thursday, May 3, 2018 5:13:44 PM IST) 98% Done. Install successful
Linking in progress (Thursday, May 3, 2018 5:13:44 PM IST) Link successful
Setup in progress (Thursday, May 3, 2018 5:13:44 PM IST) Setup successful
Saving inventory (Thursday, May 3, 2018 5:13:44 PM IST) Saving inventory complete Configuration complete
End of install phases.(Thursday, May 3, 2018 5:13:44 PM IST) Logs successfully copied to /scratch/app/oraInventory/logs.
Initializing WebLogic Scripting Tool (WLST)
Jython scans all the jar files it can find at first startup. Depending on the system, this process may take a few minutes to complete, and WLST may 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 5.2 Post Installation Configuration.

5.2 Post Installation Configuration

This section describes the post installation configuration procedure for Oracle Banking Enterprise Originations Localization Presentation Media Pack.

Checklist for Post Installation Procedure

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

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

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

Post Installation Configuration

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

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

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

Figure 5–8 UI Admin Server Credentials

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

Figure 5–9 UI Admin Server Running

FMWProv: Integration Class called and was reloaded for me PostInstallConfigIntegration:oracle_ias_farm target auth registration is done. 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/LEsvgdetect.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/cm/csa/CSA.jar, /em/ecm/csa/CSA.mb, /em/ecm/csa/CSA.gif, /em/ecm/csa/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> , 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 5–10 UI Admin Server Running (contd)

```
(eyIdentifier
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..
                                   79 62 88 E7 B9 63 2F B9 ...yDv...yb....c/.
00E0: 19 A9 79 44 76 A5 E6 C6
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,</pre>
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.
- 4. Navigate to the middleware home and list the files in the directory. A post installation and configuration script named obp-ui-post-install.sh will be listed along with other files and directories.
- 5. Navigate to the UI middleware location and give executable permission to the post install script:

\$cd <ui middleware home>

6. Execute the script using the following commands:

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

Figure 5–11 Starting Post Installation

[-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 : 10.180.85.196
ADMIN_SERVER_LISTEN_ADDRESS	
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	: welcomel
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	
SOA_MANAGED_SERVER_LISTEN_PORT	: 8001
LDAP_PROVIDER	: OID
OID_IP	: 10.180.87.84
OID_PORT	: 389
OID_ADMIN_USER	: cn=orcladmin
OID_ADMIN_PWD	: welcome1
OID_GROUP_DSN	: cn=Groups,dc=in,dc=oracle,dc=com
OID_USER_DSN	: cn=Users,dc=in,dc=oracle,dc=com
NODE_MGR_PORT	: 5556
IPM_SERVER_IP	: 10.180.6.143
IPM_SERVER_PORT	: 16000
OFSAA_SERVER_IP	: ofsaa-ofss.com
OFSAA_SERVER_PORT	: 17000
OAAM_SERVER_IP	: oaam-ofss.com
OAAM_SERVER_PORT	: 14000
OIM_SERVER_IP	: oim-ofss.com
OIM_SERVER_PORT	: 16000

Figure 5–12 Starting Post Installation (contd)

OIM_SERVER_IP	: oim-ofss.com
OIM_SERVER_PORT	: 16000
UCM READ FROM URL	: true
UCM IP	: ofss.ucm.com
UCM PORT	: 4444
OFFLINE_CHANNEL_OUTBOUND_USERNAME	
OFFLINE CHANNEL OUTBOUND PASSWORD	
CARD USERNAME	: orakey
CARD_PASSWORD	: welcome1
RULEUSERNAME	: orakey
RULE PASSWORD	; welcome1
USER TIMEZONE	: +5:30
IPM USERNAME	: weblogic
IPM PASSWORD	: weblogic1
FTP_IPM_USERNAME	: ofssobp
FTP_IPM PASSWORD	: ofssobpl23
FTP_IPM_BATCH_USERNAME	: ofssobp
FTP_IPM_BATCH_03EINNAME	: ofssobp
HOST_UNIX_USER	: ofssobp
BIP_SERVER_IP	: 10.180.6.143
	h the information printed above in detail.
It the above mentioned information	is correct, please enter Y or y to proceed. Press any other key to exit the installation.
	is correct, please enter Y or y to proceed. Press any other key to exit the installation.

Figure 5–13 Continuation of Post-Installation

	: +5:30 : weblogic : weblogic1 : ofssobp : ofssobp123 : ofssobp : ofssobp : 10.180.6.143 h the information printed above in detail. is correct, please enter Y or y to proceed. Press any ot	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	hina	100%	6204KB 6.1MB/s	00:00
versioninfo.jar copied from BIP mac	nine			
ofssobp@10.180.6.143's password:		1000		00.00
imaging-client.jar	mahina	100%	863KB 863.3KB/s	00:00
imaging-client.jar copied from IPM	macritine			
ofssobp@10.180.6.143's password:		1000	C10KD C10 0KD /-	00.00
oracle.ucm.ridc-11.1.1.jar	From JDM machine	100%	619KB 618.9KB/s	00:00
oracle.ucm.ridc-11.1.1.jar copied f Certificate stored in file <mum00ac< td=""><td></td><td></td><td></td><td></td></mum00ac<>				
Certificate was added to keystore	11.11.0racte.com.cer>			
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/Admin	Server/stdern log		
Logging wis stdern to /scratch/app/	product/ niw/user_projects/domains/di_domain/servers/Admin	Server/stuerr.tug		
/scratch/app/product/fmw/obpinstall	/ohn			
ofssobp@10.180.85.159's password:	-/ obp			
	and the density dense density to affect for seafing the statement	No such file on disectory		

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

Please take your time and go through the information printed above in detail. If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit v	the installation.			
 Post-installation will begin in sometime ofssobp@10.180.6.143's password:				
il8nAPI_v3.jar	100% 904	B 904.4KB/s	00:00	
il8nAPI_v3.jar copied from BIP machine				
ofssobp@10.180.6.143's password:	2000 0000	·	00.00	
xdocore.jar xdocore.jar copied from BIP machine	100% 9060	B 8.9MB/s	00:00	
ofssobp@10.180.6.143's password:				
versioninfo.jar	100% 6204	B 6.1MB/s	00:00	
versioninfo.jar copied from BIP machine				
ofssobp@10.180.6.143's password:				
imaging-client.jar	100% 863	B 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% 619	B 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></mum00adi.in.oracle.com.cer>				
Certificate was added to keystore				
Certificate was added to keystore Certificate stored in file <orakey.crt></orakey.crt>				
Logging WLS stderr to /scratch/app/product/fmw/user_projects/domains/ui_domain/servers/AdminServer/stderr.lo	pq			
/scratch/app/product/fmw/obpinstall/obp				
ofssobp@10.180.85.159's password: cwallet.sso.lck	100% 0	0.0KB/s	00:00	
cwallet.sso	100% 1381	1.4KB/s	00:00	
ofssobp@10.180.85.159's password:	1000 1001	2, 110/0		
keystores.xml	100% 195	B 195.2KB/s	00:00	
[ofssobp@mum00adi fmw]\$				
				-

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

- obp-ui-install-log.txt
- obp-ui-install-log-py.txt
- 8. Restart UI admin and UI managed server.

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6 BAM Installation using OBEO Localization SOA Media Pack

This chapter details every step involved in the installation of Oracle Business Activity Monitoring (BAM) using OBEO Localization SOA Media pack. The subsequent section refers to the variable names specified in Section 2.4 Installation Checklist.

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

6.1 Installation and Configuration Procedure

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

6.1.1 Preparatory Steps

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

Step 1 Procuring Installables

Download the appropriate SOA media pack from the following location:

http://edelivery.oracle.com/

6.1.2 BAM Domain Creation Steps

This section lists the steps for creating BAM domain. Make sure BAM RCU schemas and SOA suite are installed before domain creation.

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

Figure 6–1	Configuration	Type page
------------	---------------	-----------

Fusion Middleware Configuratio	n Wizard - Page 1 of 8@ofss3121921	
Configuration Type		
🙊 Create Domain		
🙀 <u>Templates</u>		
Administrator Account		
Domain Mode and JDK		
Advanced Configuration		
Configuration Summary		
Configuration Progress	What do you want to do?	
O End Of Configuration	Create a new domain	
	○ <u>U</u> pdate an existing domain	
	Domain Location: /scratch/app/product/fmw/user_projects/domains/base_domain	Browse
	Create a new domain.	
Help	< <u>Back</u> <u>N</u> ext > <u>Finis</u>	n Cancel

4. Provide the following domain path and click Next.

cd /scratch/app/product/fmw/oracle_common/common/bin

./config.sh

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

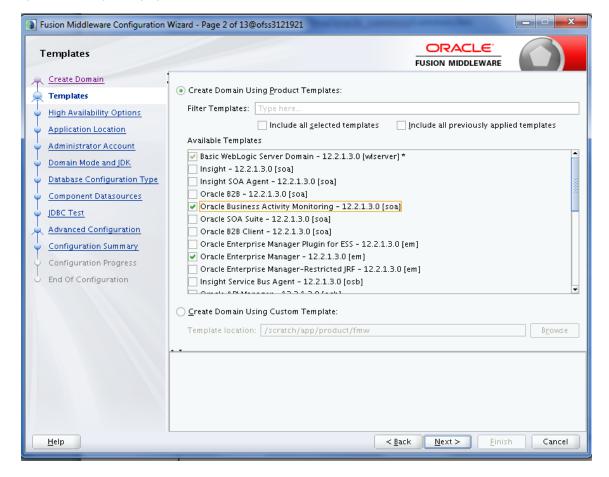
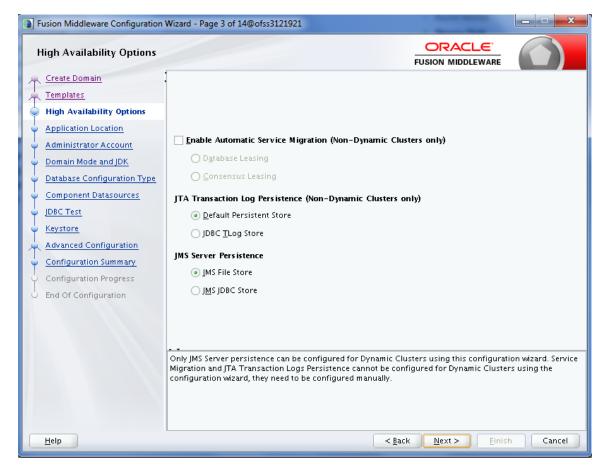


Figure 6–2 Templates page

6. In the High Availability Options page, select the required options and then click Next.

Figure 6–3 High Availability Options page



7. In the Application Location page, enter the location and then click Next.

Fusion Middleware Configuration	Wizard - Page 4 of 14@	ofss3121921		X
Application Location				
Create Domain Templates High Availability Options Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Keystore Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Domain name: Domain location: Application location:	base_domain /scratch/app/product/fmw/user_proj scratch/app/product/fmw/user_proj		ain B <u>r</u> owse
Help		< <u>B</u> a	ck <u>N</u> ext > <u>E</u> inis	h Cancel

Figure 6–4 Application Location page

8. In the Administrator Account page, enter the password for the weblogic user and then click Next.

Figure 6–5 Administrator Account page

Fusion Middleware Configuration V	Wizard - Page 5 of 14	@ofss3121921		
Administrator Account				
Create Domain Templates High Availability Options Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Keystore Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Name Password Confirm Password Must be the same as one number or spec	the password. Password must c	ontain at least 8 alphanumeric	characters with at least
Help			< <u>Back N</u> ext >	Einish Cancel

9. In the **Domain Mode and JDK** page, select the **Production** mode and then click **Next**.

Fusion Middleware Configuration V	Nizard - Page 6 of 14@ofss3121921
Domain Mode and JDK	
Create Domain Templates High Availability Options Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Keystore Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Domain Mode Development Utilize boot.properties for username and password, and poll for applications to deploy. @ Production Require the entry of a username and password, and do not poll for applications to deploy. JDK @ Qracle HotSpot 1.8.0_172 /scratch/app/product/jdk1.8.0_172 Other JDK Location:
Help	< <u>Back</u> <u>N</u> ext> <u>Finish</u> Cancel

Figure 6–6 Domain Mode and JDK page

10. In the **Database Configuration Type** page, enter the RCU details and click **Next**.

Figure 6–7 Database Configuration Type page

Fusion Middleware Configuration	Nizard - Page 7 of 14@ofss3121921
Database Configuration Ty	
Create Domain Templates High Availability Options Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Keystore Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Specify AutoConfiguration Options Using:
<u>H</u> elp	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish Cancel

11. In the **Component Datasources** page, click **Next**.

Figure	6-8	Com	ponent	Datas	ources	page

Fusion Middleware Configuration	Wizard - Page 8 of 14@ofss31	121921					x
JDBC Component Schema							
Create Domain Templates High Availability Options Application Location Administrator Account	Vendor: • Connection Parameters Host Name: DBMS/Service:	O Connecti	Oriver:				
Component Datasources JDBC Test Keystore	Schema Owner: Oracle RAC configuration fo O Convert to Gr Edits to the data above will a	or component s ridLink O Co	ichema Password: chemas: onvert to RAC mult		rce 🔿 Don't	convert	
Advanced Configuration	Component Schema	DBMS/Service	Host Name	Port	Calcura Ouron	Schema Passwor	_
 Configuration Summary 	BAM Schema	P6148A	10.180.6.148	1521	OBEO21SOA2	••••••	u -
 Configuration Progress 	BAM Job Sched Schema	P6148A	10.180.6.148	1521	OBEO21SOA2	•••••	- 2
O End Of Configuration	BAM Leasing Schema	P6148A	10.180.6.148	1521	OBEO21SOA2	•••••	2000
	BAM Non JTA Schema	P6148A	10.180.6.148	1521	OBEO21SOA2	•••••	Н
	LocalSvcTbl Schema	P6148A	10.180.6.148	1521	OBEO21SOA2	•••••	
	User Messaging Servic	P6148A	10.180.6.148	1521	OBEO21SOA2	•••••	-1
			101806148				
Help			< <u>B</u> ac	k <u>N</u> e:	xt > Eini:	sh Cancel	

12. In the JDBC Test page, click Test Selected Connections and then click Next.

Figure 6–9 JDBC Test page

Fusion Middleware Configuration	Wizard - Pa	ge 9 of 14@ofss3121921		×
JDBC Component Schema T				
Reate Domain	🖌 🔽 Statu:	s Component Schema	JDBC Connectio	n URL
Templates	 Image: Image: Ima	BAM Schema	jdbc:oracle:thin:@//10.18	0.6.148:1521/P6 📤
High Availability Options	 Image: Image: Ima	BAM Job Sched Schema	jdbc:oracle:thin:@//10.18	0.6.148:1521/P6
Application Location	 Image: Image: Ima	BAM Leasing Schema	jdbc:oracle:thin:@//10.18	0.6.148:1521/P6
	 Image: Image: Ima	BAM Non JTA Schema	jdbc:oracle:thin:@//10.18	0.6.148:1521/P6
Administrator Account	 Image: Image: Ima	LocalSvcTbl Schema	jdbc:oracle:thin:@//10.18	0.6.148:1521/P6
🖕 Domain Mode and JDK	 ✓ ✓ 	User Messaging Service	jdbc:oracle:thin:@//10.18	0.6.148:1521/P6
Database Configuration Type	 Image: Image: Ima	WLS Schema	jdbc:oracle:thin:@//10.18	0.6.148:1521/P6 –
Gomponent Datasources	 Image: Image: Ima	BAM MDS Schema	jdbc:oracle:thin:@//10.18	0.6.148:1521/P6
IDBC Test	 ✓ ✓ 	OWSM MDS Schema	jdbc:oracle:thin:@//10.18	0.6.148:1521/P6 🖕
 Keystore Advanced Configuration Configuration Summary Configuration Progress End Of Configuration 	Connecti Componen Driver=or URL=jdbc: User=OBE Password= SQL Test= CFGFWK-6	elected Connections <u>Cancel Testing</u> on Result Log nt Schema=BAM Schema acle.jdbc.xa.client.OracleXADataSource oracle:thin:@//10.180.6.148:1521/P6148A 021S0A27_SOAINFRA ====================================	er=(select user from dual) an	d mr_type='SOAI
<u>H</u> elp		<u>< B</u> a	ck <u>N</u> ext > <u>F</u> inisł	Cancel

13. In the **Keystore** page, click **Next**.

Fusion Middleware Configuration	Wizard - Page 10 o	of 14@ofss3121921			
Keystore					
Templates	Store Key Name	ums/apns		- 🧐 C	Pis <u>c</u> ard Changes
High Availability Options Application Location	Alias		Trusted Certificate		
Administrator Account Domain Mode and JDK Database Configuration Type <u>Component Datasources</u> JDBC Test					
Keystore	Alias				
Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Alld3	Private Key	Password		Certificate
Help			< <u>B</u> ack <u>N</u> ext	t > <u>F</u> inis	h Cancel

Figure 6–10 Keystore page

14. In the Advanced Configuration page, select the Administration Server, Mode Manager and Topology check boxes and then click Next.

Figure 6–11 Advanced Configuration page

Fusion Middleware Configuration	Wizard - Page 11 of 23@ofss3121921
Advanced Configuration	
Create Domain Templates High Availability Options Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Keystore Advanced Configuration Administration Server Node Manager Managed Servers Clusters Server Templates Coherence Clusters	 Administration Server Modify Settings Node Manager Configure Node Manager Topology Add, Delete or Modify Settings for Managed Servers, Clusters, Virtual Targets and Coherence Domain Frontend Host Capture Configure Domain Frontend Host Deployments and Services Target to Servers or Clusters File Store Modify Settings
	< <u>Back</u> Next > Einish Cancel

15. In the Administration Server page, select the listen address and select the Enable SSL check box. Click Next.

Figure 6–12 Administration Server page

Fusion Middleware Configuration	Wizard - Page 12	of 23@ofss3121921			
Administration Server			FL		
Create Domain Templates High Availability Options Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Keystore Advanced Configuration Administration Server Node Manager Managed Servers Clusters	Server Name Listen Address Listen Port Enable SSL SSL Listen Port Server Groups	AdminServer All Local Addresses 7001 V 7002 Unspecified	FL		RE
Server Templates Coherence Clusters Machines Virtual Targets Partitions Configuration Summary Configuration Progress	The name must r	not be null or empty and may not con			
Help			< <u>B</u> ack	<u>N</u> ext > <u>F</u> i	inish Cancel

16. In the **Node Manager** page, provide user name and password for node manager, and then click **Next**.

Figure 6–13 Node Manager page

Fusion Middleware Configuration	n Wizard - Page 13 of 23@ofss3121921		X
Node Manager			
Create Domain Templates High Availability Options Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Keystore Advanced Configuration Administration Server Managed Servers Clusters Server Templates Coherence Clusters Machines Virtual Targets Partitions Configuration Summary	Node Manager Type Per Domain Default Location Per Domain Gustom Location Node Manager Home: duct/fmw/use Manual Node Manager Setup Node Manager Credentials Username: Password: Confirm Password:	er_projects/domains/base_domain/node	manager] Browse
Help		< <u>B</u> ack <u>N</u> ext >	Einish Cancel

17. In the Managed Servers page, add BAM server (bam_server1).

Fusion Middleware Configuration	Wizard - Page 14 of 23@of	ss3121921				- • ×
Managed Servers						
Create Domain Templates	: 👍 Add 🖹 Clo	ne 🔀 <u>D</u> elete			🧐 Dis <u>c</u> a	ird Changes
High Availability Options	Server Name	Listen Address	Listen Port	Enable SSL	SSL Listen Port	Server Groups
Administrator Account	bam_server1	10.180.35.8	6001	✓	6002	BAM12-M 🔻
 <u>Domain Mode and JDK</u> <u>Database Configuration Type</u> 						
 <u>Component Datasources</u> JDBC Test 						
Keystore						
Advanced Configuration Administration Server	²					
 <u>Node Manager</u> Managed Servers 						
<u>Clusters</u> <u>Server Templates</u>						
Coherence Clusters						
 <u>Machines</u> <u>Virtual Targets</u> 						
 Partitions Configuration Summary 						
Configuration Progress			< <u>B</u> ack	<u>N</u> ext >	<u> </u>	Cancel

Figure 6–14 Managed Servers page

18. Click Next.

19. In the **Clusters** page, add BAM cluster and then click **Next**.

Figure 6–15 Clusters page

Fusion Middleware Configuration	Wizard - Page 15 c	of 25@ofss3121921				— — X
Clusters						
Templates	. 👍 <u>A</u> dd	🔀 <u>D</u> elete			🔊 Dis	<u>c</u> ard Changes
High Availability Options Application Location	Cluster Name	Cluster Address	Frontend Host	Frontend HTTP Port	Frontend HTTPS Port	Dynamic Server Groups
Administrator Account	bam_cluster1			0	0	Unspecified 💌
 Domain Mode and JDK Database Configuration Type 						
Component Datasources						
↓ <u>IDBC Test</u> ↓ <u>Keystore</u>						
Advanced Configuration Administration Server						
<u>Node Manager</u>						
<u>Managed Servers</u> Clusters						
Server Templates						
<u>Dynamic Servers</u> <u>Assign Servers to Clusters</u>						
<u>Coherence Clusters</u> <u>Machines</u>						
 <u>Virtual Targets</u> 						
Help			(< <u>B</u> ack <u>N</u> e:	t > <u>F</u> inish	Cancel

20. In the Server Templates page, click Next.

Fusion Middleware Configuratio	n Wizard - Page 16 of 25@of	ss3121921		
Server Templates				
Create Domain Templates	Add X Dele	ete	(🗐 Dis <u>c</u> ard Changes
High Availability Options	Name	Listen Port	SSL Listen Port	Enable SSL
Application Location Administrator Account				
Domain Mode and JDK				
 Database Configuration Type Component Datasources 				
JDBC Test G Keystore				
Advanced Configuration	69.			
 <u>Administration Server</u> Node Manager 				
Managed Servers				
<u>Clusters</u> Server Templates				
Dynamic Servers Assign Servers to Clusters				
<u>Coherence Clusters</u>				
 <u>Machines</u> Virtual Targets 				
	•		< <u>B</u> ack <u>N</u> ext >	<u>F</u> inish Cancel

Figure 6–16 Server Templates page

21. In the Dynamic Servers page, click Next.

Figure 6–17 Dynamic Servers page

Susion Middleware Configuration	Wizard - Page	17 of 25@ofs	s3121921					
Dynamic Servers								
Create Domain	•						🗐 Dis <u>c</u> ard	Changes
Templates								
High Availability Options	Cluster Name	Server Name Prefix	Server Template	Dynamic Cluster Size	Machine Name	Calculated Machine	Calculated Listen Ports	Dynamic Cluster
Application Location					Match Expression	Names		
Administrator Account								
🖕 <u>Domain Mode and JDK</u>	bam_cluster	Disabled	Unspecif 🔻	Disabled	Disabled			
Database Configuration Type								
Component Datasources								
UDBC Test								
🖕 <u>Keystore</u>								
Advanced Configuration								
Administration Server								
🖕 <u>Node Manager</u>								
Managed Servers								
Clusters								
Server Templates								
Dynamic Servers								
Assign Servers to Clusters								
Coherence Clusters								
- Machines								
Virtual Targets								
Partitions								
Help					< <u>B</u> ack	<u>N</u> ext >	<u>F</u> inish	Cancel

22. In the Assign Servers to Clusters page, add BAM server to BAM cluster and click Next.

Figure 6–18 Assign Servers to Clusters page

Fusion Middleware Configuration	Wizard - Page 18 of 25@ofss3121921				
Assign Servers to Clusters					
🔎 Create Domain	Servers		Clusters		
Templates			o Cluster		
High Availability Options			bam_cluster1		
Application Location			🔰 🔰 🙀 bam_s(erver1	
Administrator Account					
Domain Mode and JDK					
Database Configuration Type		>			
Component Datasources					
UDBC Test					
<u>Keystore</u>					
Advanced Configuration					
Administration Server		8			
🖕 Node Manager					
Managed Servers					
Clusters					
Server Templates					
<u> <u> <u> </u> <u> </u></u></u>	• •				
Assign Servers to Clusters	Select one or more servers in the left pane and one (>) to assign the server or servers to the cluster.	e cluster	in the right pane. The	n use the	right arrow button
Coherence Clusters					
🧅 <u>Machines</u>					
Virtual Targets					
Partitions					
Help		<	<u>B</u> ack <u>N</u> ext >	<u> </u>	Cancel

23. In the Coherence Clusters page, click Next.

Figure	6–19	Coherence	Clusters	page
--------	------	-----------	----------	------

Fusion Middleware Configuration	Wizard - Page 19 of 25@ofss3121921		X
Coherence Clusters			
Create Domain		i i i	is <u>c</u> ard Changes
High Availability Options	Cluster Name	Cluster Listen Po	ort
Application Location	defaultCoherenceCluster	7574	
Administrator Account			
Domain Mode and JDK			
Database Configuration Type			
Component Datasources			
UDBC Test			
🧅 <u>Keystore</u>			
Advanced Configuration			
Administration Server			
🧅 <u>Node Manager</u>			
Managed Servers			
<u>Clusters</u>			
Server Templates			
Dynamic Servers			
Assign Servers to Clusters			
Coherence Clusters			
🖕 <u>Machines</u>			
 <u>Virtual Targets</u> 			
Partitions			
Help		< <u>B</u> ack <u>N</u> ext > <u>F</u> inisl	h Cancel

24. In the Machines page, add BAM machine and click Next.

Fusion Middleware Configuration	Wizard - Page 20 of 26@	Dofss312192	1					
Machines								
Create Domain Templates High Availability Options	• Machine Unix Mac	hine <u>D</u> elete					viscard	Changes
Application Location Administrator Account	Name	Enable	Post Bind GID	Enable	Post Bind UID	Node Manager Li Address		Node Manager
Domain Mode and JDK Database Configuration Type <u>Component Datasources</u> JDBC Test Keystore	bam_machine1		nobody		nobody	localhost		5556
Advanced Configuration Administration Server Node Manager Managed Servers Clusters								
Server Templates Dynamic Servers Assign Servers to Clusters Coherence Clusters	<u>* • • • • • • • • • • • • • • • • • • •</u>							
Machines Assign Servers to Machines Virtual Targets Help				<	<u>B</u> ack []	<u>dext > Einis</u>	:h	Cancel

Figure 6–20 Machines page

25. In the Assign Servers to Machines page, add BAM server to BAM machine and click Next.

Figure 6–21 Assign Servers to Machines page

Fusion Middleware Configuration	n Wizard - Page 21 of 26@ofss3121921		
Assign Servers to Machine	25		
🔍 Create Domain	Servers	Machines	
Templates	📦 AdminServer	o UnixMachine	
High Availability Options		📦 bam_server1	
Application Location			
Administrator Account			
Domain Mode and JDK			
Database Configuration Type		>	
Component Datasources			
JDBC Test			
🖕 <u>Keystore</u>			
Advanced Configuration			
Administration Server			
Vode Manager			
Managed Servers			
Clusters			
 Server Templates 			
Upnamic Servers			
Assign Servers to Clusters	Select one or more servers in the left pane and on button (>) to assign the server or servers to the n		arrow
Coherence Clusters	satisfy to assign the server of servers to then		
y Machines			
Assign Servers to Machines			
- Virtual Targets	-		
Help		< Back Next > Einish	Cancel

26. In the Virtual Targets page, click Next.

Fusion Middleware Configuratio	n Wizard - Page 22	of 26@ofss3121921				
Virtual Targets						
Create Domain Templates	• <u>• A</u> dd	💥 <u>D</u> elete		(🧐 Dis <u>c</u> ard i	Changes
High Availability Options Application Location	Name	Target	Host Names	URI Prefix	Explicit Port	Port Offset
Administrator Account Domain Mode and JDK						
Database Configuration Type Component Datasources						
JDBC Test Keystore						
Advanced Configuration Administration Server						
Node Manager Managed Servers						
 <u>Clusters</u> <u>Server Templates</u> 						
Dynamic Servers Assign Servers to Clusters						
Coherence Clusters						
Wirman Farmers	-					
Help			</td <td><u>B</u>ack <u>N</u>ext ></td> <td>Einish</td> <td>Cancel</td>	<u>B</u> ack <u>N</u> ext >	Einish	Cancel

Figure 6–22 Virtual Targets page

27. In the Partitions page, click Next.

Figure 6–23 Partitions page

Fusion Middleware Configuration	Wizard - Page 23 of 26@ofss3121921	-		
Partitions				
Create Domain Templates	Add 💥 Delete			🦻 Dis <u>c</u> ard Changes
High Availability Options	N	ame		
Application Location				
Administrator Account				
Domain Mode and JDK				
Database Configuration Type				
Component Datasources				
UDBC Test				
🖕 <u>Keystore</u>				
Advanced Configuration				
Administration Server				
🖕 <u>Node Manager</u>				
Managed Servers				
<u>Clusters</u>				
Server Templates				
Upramic Servers				
Assign Servers to Clusters				
Coherence Clusters				
🖕 <u>Machines</u>				
Assign Servers to Machines				
Virtual Targets	JI			
Help		< <u>B</u> ack	<u>N</u> ext >	inish Cancel

28. In the **Configuration Summary** page, click **Create**.

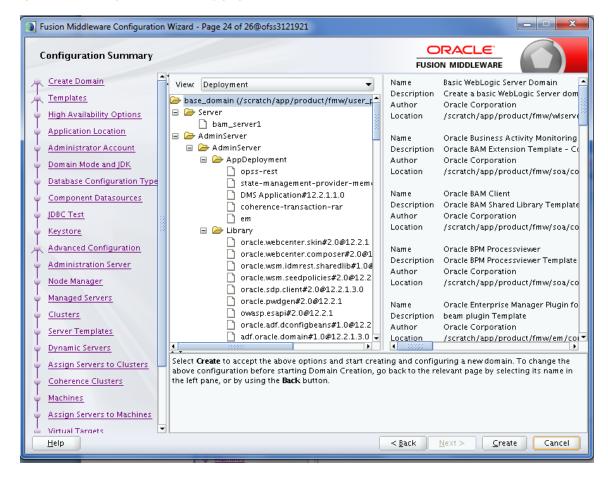


Figure 6–24 Configuration Summary page

29. In the Configuration Progress page, once the progress bar is 100%, click Next.

Figure 6–25 Configuration Progress page

Fusion Middlewa	are Configuration	on Wiza	ard - Page 25 of 26	@ofss3121921					– – X
Configuration	n Progress							_ (
R Create Domain	n								
Q Templates					100	0%			
Q High Availabili	ity Options		Copy Unprocess	ed Artifacts					
Q Application Lo			OPSS Processing						
		1		-					
0 Administrator	Account		Security Process						
🖕 Domain Mode	and JDK								
↓ ♀ Database Cont	figuration Type			n					
Component D	atasources								
↓ ♀ JDBC Test									
V Keystore		1000							
Advanced Cor	nfiguration								
4 Administration	n Server								
V Node Manager	r								
A Managed Serve	ers								
Clusters									
Server Templa	ites								
Operation Dynamic Serve	ers								
Assign Server	s to Clusters								
Coherence Clu	usters								
↓ ♀ Machines									
Assign Server	s to Machines								
O Virtual Target	<	-							
Help						< <u>B</u> ack	<u>N</u> ext >	<u>F</u> inish	Cancel

30. In the End of Configuration page, click Finish.

End Of Configuration			
Create Domain Templates High Availability Options Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Keystore Advanced Configuration Administration Server Node Manager Managed Servers Clusters Server Templates Dynamic Servers Assign Servers to Clusters Coherence Clusters Machines Assign Servers to Machines	Oracle Weblogic Server Configuration Succeeded New Domain base_domain Creation Succeeded Domain Location /scratch/app/product/fmw/user_projects/domains. Admin Server URL https://ofss3121921:7002/console	/base_domain	
Ó Virtual Taroets I	< <u>B</u> ack	<u>N</u> ext > <u>F</u> inis	h Cancel

Figure 6–26 End of Configuration page

6.2 Post Installation Configuration

This section describes the post installation configuration procedure for BAM using OBEO Localization 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

Perform the following steps.

- 1. Copy the "obpus-ui-soa.zip" or "obpau-ui-soa.zip" file to a machine where BAM domain is created.
- 2. Unzip the "obpus-ui-soa.zip" or "obpau-ui-soa.zip" file. Following three files will be extracted:
 - Namely a zip file "obpinstall-ui-soa.zip"
 - Installation script "installobpsoa.sh"
 - Install configuration property file "installobpsoa.properties"
- 3. Create a folder called target and unzip obpinstall-ui-soa.zip file.
- 4. Create a folder called obpinstall/obp/ob.bam under < BAM_MW_HOME >.
- 5. Unzip bam.zip under < BAM_MW_HOME >/obpinstall/obp/ob.bam/.
- 6. Update the following values in BAMCommandConfig.xml.tmpl present under target folder:

```
<host>#BAM_SERVER_LISTEN_ADDRESS#</host>
<port>#BAM_SERVER_LISTEN_PORT#</port>
<username>#WEBLOGIC_USERNAME#</username>
<password>#WEBLOGIC_PASSWORD#</password>
<dbusername>#SOA_INFRASTRUCTURE_SCHEMA_USER#</dbusername>
<dburl>jdbc:oracle:thin:@#DB_IP#:#DB_PORT#:#DB_SERVICE_
NAME#</dburl>
```

- 7. Copy BAMCommandConfig.xml.tmpl to \$BAM_MW_HOME/soa/bam/bin/BAMCommandConfig.xml
- 8. cp -r BAMCommandConfig.xml.tmpl \$BAM_MW_HOME/soa/bam/bin/BAMCommandConfig.xml
- 9. EXPORT BAM_MW_HOME=/scratch/app/product/fmw
- 10. Go to target directory and execute below command.

chmod 777 bam.sh sh bam.sh \$BAM_MW_HOME

11. 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>
```

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

Figure 6–27 BAM Composer page

ORACLE' BAM Composer					webl	ogic 🔻 🚥
					Home Administrate	or Designer
User V Solution Collects Im Data Objects Im KPIs Im Business Views Im Dashboards Im Aerts Im Parameters	Dashboards are composed of	Alerts	Business Views	Models	Data	

Figure 6–28 BAM Composer page (contd)

ORACLE' BAM Composer					weblogic 🔻
					Home Administrator Designer
User V Create	Dashboards are compo	Alerts	Business Views	Models	Data

Figure 6–29 BAM Composer page

ORACLE BAM Composer							weblogic	
			_			Home	Administrator	Designer
		Open Project	×					
User 💌		Select the project to open						
◎ 十 / 音 も		Application						
Data Objects		OperationsManager						
Business Queries		User						
E KPIs							=	
Business Views	Dashboards			Views	Models		Data	
Dashboards	DasinDoarus		1	views	woders		Data	
Alerts								
Parameters								
	•							
	Dashboards are co		5	hboard				

7 Standalone Database Setup

This chapter details the steps involved in setting up Oracle Banking Enterprise Originations database.

7.1 Pre-Installation Steps

The following steps should be completed prior to the process of executing the installation steps for the Oracle Banking Enterprise Originations DB mentioned in Section 7.2 OBEO Database Setup – RCU Installation:

- 1. Oracle Database 19c Enterprise Edition Release 19.8 is installed on the database server.
- 2. Obtain the tar file dbScripts_us.tar.gz or dbScripts_au.tar.gz (present in obpau-host.zip) from OBEO Host localization media pack and copy it onto the database server.
- 3. Ensure that the ONS service is started after DB installation where the OBEO Application schema needs to be created.

7.2 OBEO Database Setup – RCU Installation

The steps that should be performed to create the OBEO Host DB schema are provided in Section 7.3.1 Host DB Schema Creation and Verification

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

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

Following is the list of schemas to be created for SOA, UI, and HOST, respectively (note that 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
- SOA_WLS_RUNTIME
- UI_STB
- UI_OPSS
- UI_MDS
- UI_IAU_APPEND

- UI_IAU_VIEWER
- UI_WLS_RUNTIME
- HOST_STB
- HOST_OPSS
- HOST_IAU_APPEND
- HOST_IAU_VIEWER
- HOST_MDS
- HOST_WLS_RUNTIME

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.

7.3 OBEO Database Installation

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

7.3.1 Host DB Schema Creation and Verification

For the host db schema creation, copy the dbScripts_us.tar.gz or dbScripts_au.tar.gz file (present in obpauhost.zip) from OBEO Host media pack location to any machine where sqlplus is available.

Untar the 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

7.3.2 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. Log on 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.

7.3.3 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 OBEO 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 or dbScripts_us.tar.gz.

7.3.4 System Configuration DB Update Script Execution

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

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

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

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

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

7.3.5 Removing Preference Refresh Level

OBEO Preferences are held in the weblogic servers in the form of a cache which is refreshed at a configurable interval. As part of installation, the preferences are declared in a file called Preferences.xml in the "config" folder. These preference values are mostly technical in nature and are seldom changed in production.

Hence, majority of OBEO customers have configured to disable preference refresh. This is done by setting "syncTimeInterval" to -1 on the target preference. Customers should deliberate and take a decision on the preferences for which they wish to disable the refresh.

For example:

<Preference name="MiddlewareTaskMetadataDTOFieldConfig"

PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider"

parent="jdbcpreference"

propertyFileName="SELECT SERVICE_ID || ':' || DTO_CLASS || ':' ||

COD_ATTR_ID valuekey, FIELD_NAME AS valuestring FROM flx_fw_mw_tasks_dto_map"

syncTimeInterval="-1" />

7.3.6 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

8 OBEO and IPM Integration

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

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

- Section 8.1 IPM Application Setup for OBEO Content Management
- Section 8.2 IPM Configuration for Bulk Upload Process Setup
- Section 8.3 IPM Report Upload Setup

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

8.1 IPM Application Setup for OBEO Content Management

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

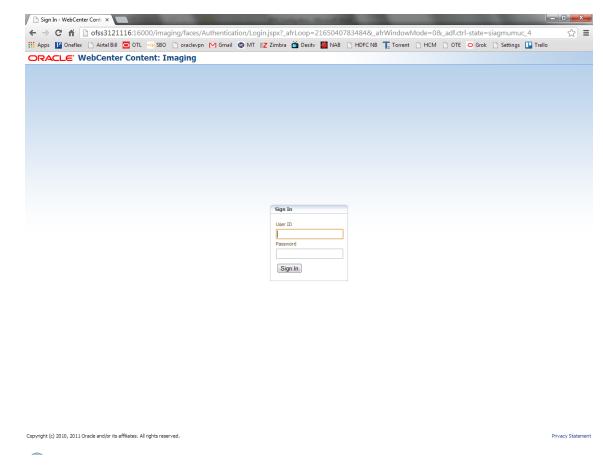
8.1.1 UCM Connection

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 8–1 IPM Imaging Console - Login page



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

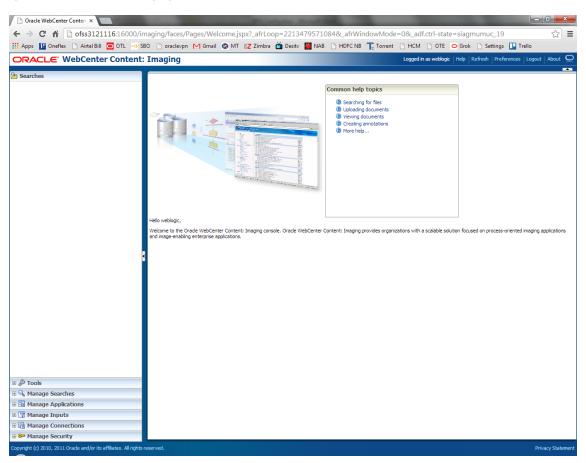


Figure 8–2 IPM - Welcome page

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

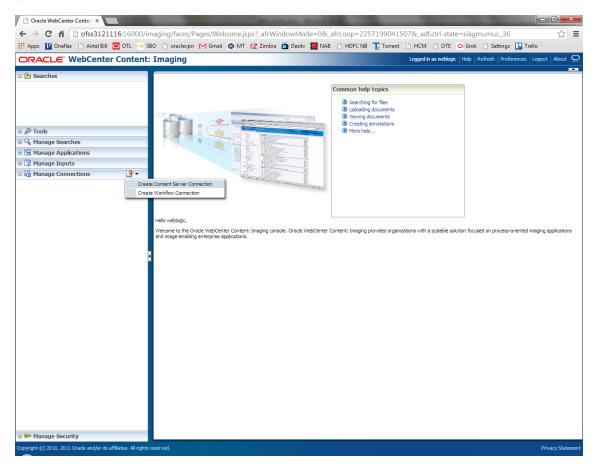


Figure 8–3 Create Content Server Connection

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

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Figure 8–4 UCM: Basic information

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



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

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Figure 8–6 UCM: Connection Security

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

Figure 8–7 UCM: Review Settings

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Ain ReportSearchELRT03 ReportSearchELRT03 ReportSearchENR0E_ROD ReportSearchONE_ROD ReportSearchDemo Temporay	Basic Information Content Server Settings Security Review Settings UCM Connection: Review Settings Review the following connection settings. Select "Submit" if ok, or select "Back" to make changes. The "Submit" button is only enabled when there are changes.
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8.1.2 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/en/middleware/webcenter/content/12.2.1.4/admin-image/managing-applications.html#GUID-4A1A138D-FFEC-4FBB-A6D3-7F4FA4BDE06A.

Create a main application and a temporary application in IPM.

8.1.2.1 Manage Application Configuration

To manage application configuration:

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

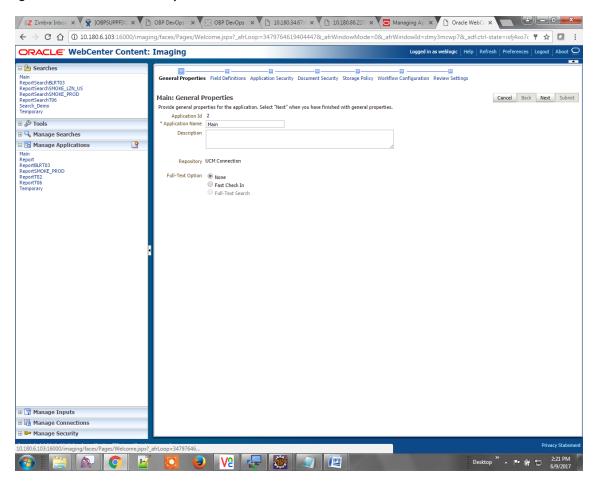


Figure 8–8 Main: General Properties

3. Enter the field definition details and click Next.

Figure 8–9 Main: Field Definitions

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Figure 8–10 Field Definitions (cont.)

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

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Figure 8–11 Main: Application Security

Figure 8–12 Main: Document Security

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

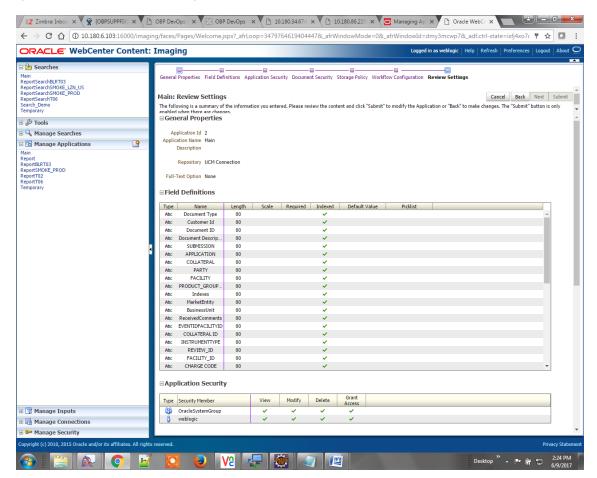
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CRACLE WebCenter Content:	Imaging General Properties Field Definitions Application Security Document Securit Main: Storage Policy Provide storage policy information for the application's content. Select 'hext' v Document Storage Volume [File default • Volume [File default •	y Storage Policy Workflow Configuration Review Settings Cancel Back Next Submit
⊕ 🗊 Manage Inputs ∋ 🖟 Manage Connections		
🖙 Manage Security		

Figure 8–13 Main: Storage Policy

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

8. Review the summary and click Submit.

Figure 8–14 Main: Review Settings



8.1.2.2 Manage Searches

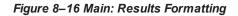
To manage searches:

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

Figure 8–15 Main: Properties

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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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0.180.6.103:16000/imaging/faces/Pages,	/Welcome.jspx?_	_sfiLoop=34797646

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

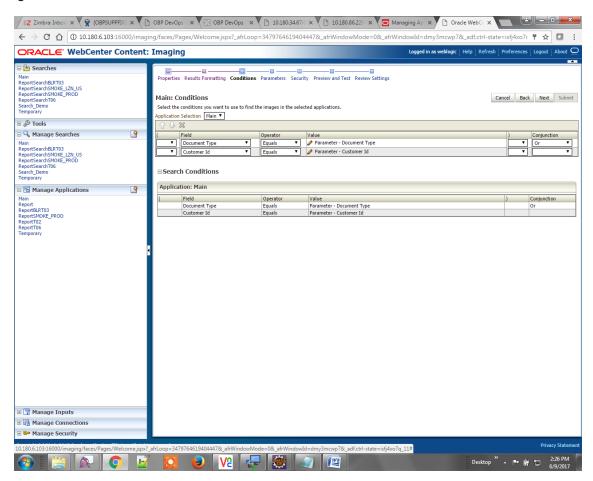


Figure 8–17 Main: Conditions

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

Figure 8–18 Main: Parameters

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eport eportBLT03 eportBVRE_PROD eportT02 eportT04 emporary	s							
🖙 Manage Inputs								
😨 Manage Inputs								

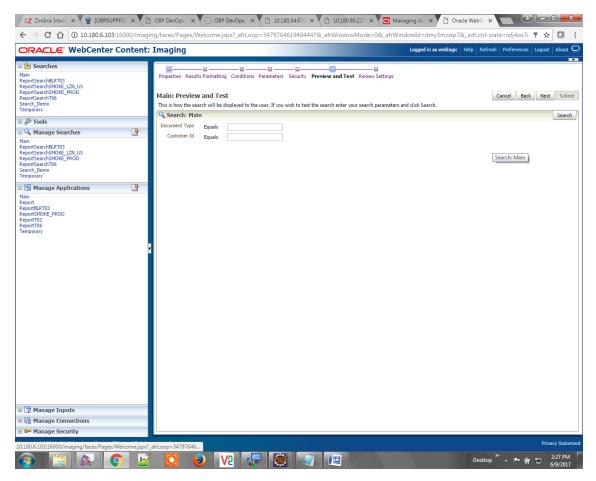
6. Configure the access rights for users for search in the Search Security page.

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Figure 8–19 Main: Search Security

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

Figure 8–20 Main: Preview and Test



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Figure 8–21 Main: Review Settings

8.1.3 Temp Application Configuration

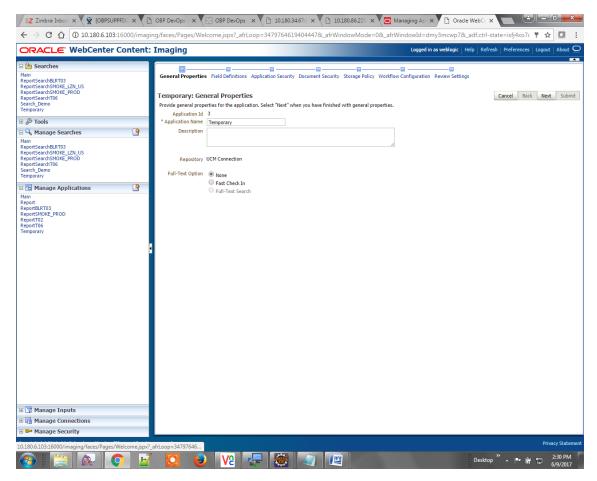
This section provides details about the temp application configuration.

8.1.3.1 Manage Application Configuration

To manage application configuration:

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

Figure 8–22 Temporary: General Properties

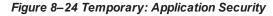


3. Enter the field definition details and click Next.

Figure 8–23 Temporary: Field Definiti

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ত্ত্ব Manage Inputs ন্ট্র Manage Connections							

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



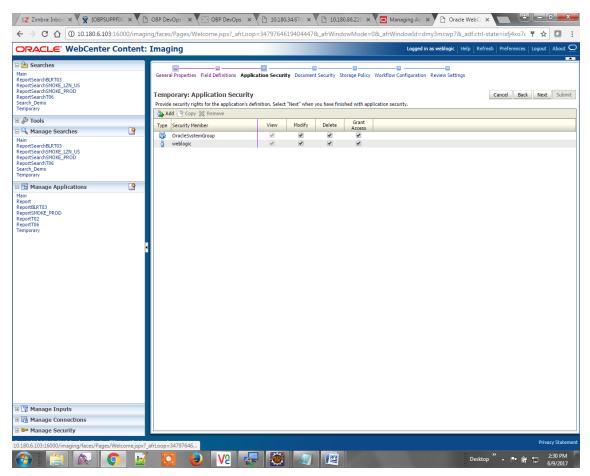
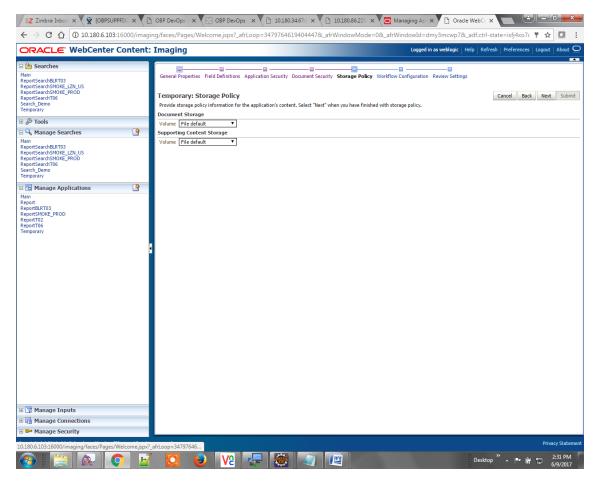


Figure 8–25	Temporary:	Document Security
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& Tools	Add 📑 Copy 💥 Remove								
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lain Kepott Kepo									
🛛 🖙 Manage Inputs 🖶 Manage Connections									

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

Figure 8–26 Temporary: Storage Policy



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

Figure 8–27 Temporary: Review Settings

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8.1.3.2 Manage Searches

To manage searches:

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

Figure 8–28 Temporary: Properties

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🗉 🖉 Tools	Description This is a search to be made for Documents whose archival is set to false	
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2. Select the source application along with its field details in the Results Formatting page.

Figure 8–29 Temporary: Results Formatting

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Searches Main ReportSearchBURT03 ReportSearchBURE_L2N_US ReportSearchBURE_PROD Execution Execution	3	Properties Results Formatting Conditions Parameters Security Preview and Test Review Setting Temporary: Results Formatting Select a source application or applications that you wish to return images from. Then select the fields in this Source Application Document Type Documen	Cancel Back Next Subm
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Main Report Report More_PROD PROT Note_PROD Deport TOG Temporary			
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3. Select the appropriate conditions in the Conditions page as shown below.

Figure 8–30 Temporary: Conditions

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

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ব্ল Manage Inputs নি Manage Connections									

Figure 8–31 Temporary: Parameters

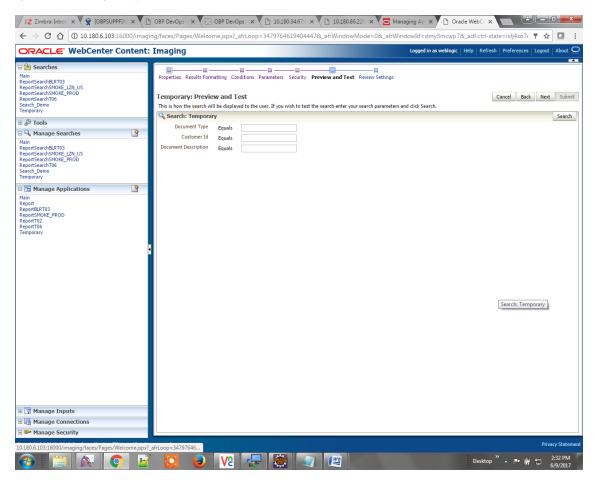
5. Configure the access rights for users for search in the Search Security page.

Figure 8–32 Temporary: Search Security

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

Figure 8–33 Temporary: Preview and Test



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Figure 8–34 Temporary: Review Settings
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The application ID generated for the main and temporary applications should be updated in the OBEO 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';
```

8.2 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 OBEO for the document record.

8.2.1 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.

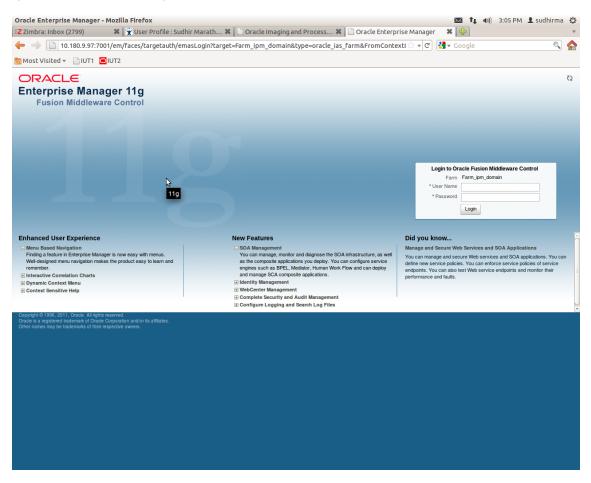
8.2.2 Setting up the Connection Name

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

To set up a bulk process:

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

Figure 8–35 EM Console Login



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

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Cracle UCM Native Web Services	<u><u></u></u>	UCM server1	IPM_server1	- <u>-</u>	OFSMUD6VM11
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			Before You Begin		
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			Understanding Key Oracle Fusion Middleware Farm Concepts Overview of Oracle Fusion Middleware Administration Tools		
			Typical Administration Tasks		
			@ Getting Started Using Oracle Enterprise Manager Fusion Middleware Control		
			Navigating Within Fusion Middleware Control		
			③ Starting and Stopping Oracle Fusion Middleware		
			② Deploying an Application Using Fusion Middleware Control Other Resources		
			Oracle Fusion Middleware Resources on the Web Oracle Fusion Middleware Forums		

Figure 8–36 Click Weblogic Domain: ipm domain

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.

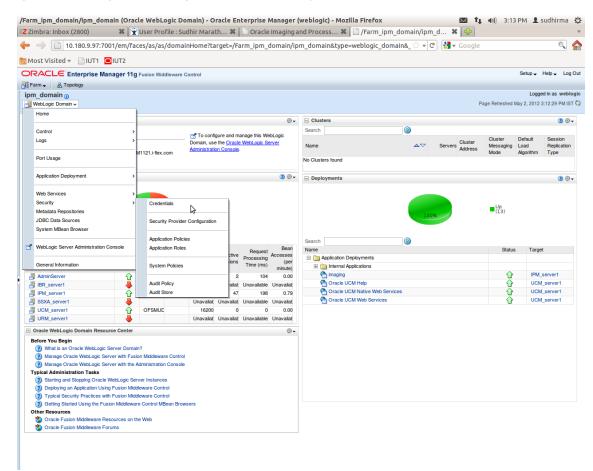


Figure 8–37 Navigate to Weblogic Domain --> Security --> Credentials

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

Figure 8–38 Create Map oracle.wsm.security

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

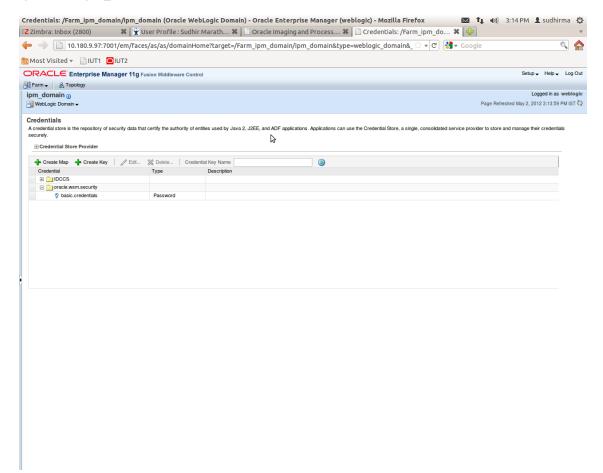
Figure 8–39 Create Key basic.credentials

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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 8–40 ipm_domain: Credentials Created



8.2.3 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.

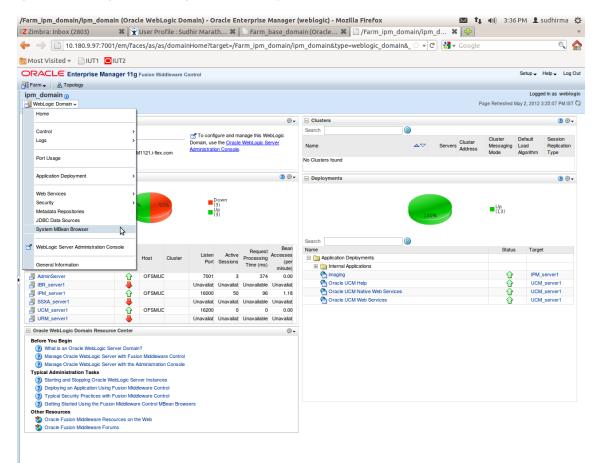


Figure 8–41 Navigate to Weblogic Domain --> System MBean Browser

- 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.

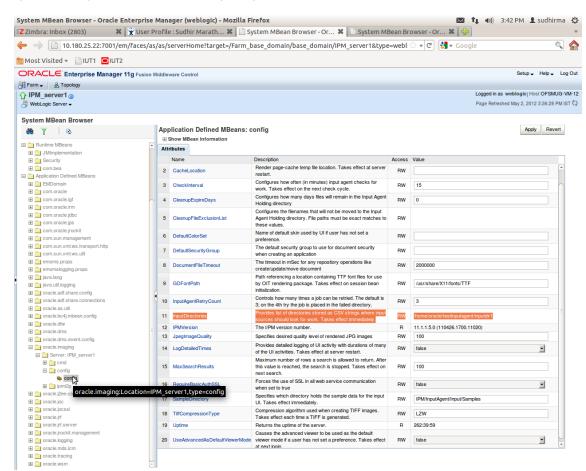


Figure 8–42 InputDirectories: Enter Input Agent Path

7. Restart IPM server.

8.2.4 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 8–43 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 $\ensuremath{\textbf{Name}}$ field, enter the name for SOA Connection as IUTSOA.

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Figure 8–44 IUTSOA: Basic Information

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

Figure 8–45 IUTSOA: Workflow Settings

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- 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 8–46 IUTSOA: Connection Security

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

Figure 8–47 IUTSOA: Review Settings

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8.2.5 Manage Workflow Configuration

To manage workflow configuration:

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

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Figure 8–48 Main: Application Summary

- 3. Select the application for which workflow configuration has to be done as shown in Figure 8–48.
- 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 8–49 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 8–50 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 8–51 Manage Applications - Payload Properties

16. Click Next.

17. Complete the Workflow Configuration. Click Next.

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Figure 8–52 Manage Applications - Workflow Configuration

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

Figure 8–53 Field Definitions

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	process.docum	nentName		Document Name	
	process.indexe			Field Value Indexes	
	process.marke process.busine			Field Value MarketEntity Field Value BusinessUnit	
	process.busine	Issunit		rielo value Businessunit	
	Applicatio	on History			
	Date	Type	User Name		
	1/7/2014	Definition Create	weblogic		
	1/7/2014 1/7/2014	Definition Modify Definition Modify	weblogic weblogic		
	1/2014	Definition Modify	weblogic		
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	2/14/2014 2/17/2014	Definition Modify Definition Modify	weblogic weblogic		
	2/20/2014	Definition Modify	weblogic		
	2/24/2014	Definition Modify	weblogic		
	2/28/2014	Definition Modify	weblogic		
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Manage Inputs Manage Connections	3/14/2014	Definition Medify			
	3/14/2014 3/25/2014 3/25/2014	Definition Modify Definition Modify	weblogic weblogic		

Figure 8–54 Main: Application Summary

8.2.6 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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← → C 🗋 10.180.84.230:16000/imag	jing/faces/Pages/Welcome.jsp	ox?_afrWindowMode=0&_afrLoop=414259701553	3941&_adf.ctrl-state=t1gf0oc ☆	🌣 🛷 🤬 ፮ * 😑
P Do you want Google Chrome to save yo	our password? Save password	d Never for this site		×
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Temporary Search	IPMBulkuploadST: Basic In			Cancel Back Next Submit
	Define the basic information for the In			
	* Name	IPMBulkuploadST		
🗄 🖗 Tools	Description			
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Main T12MAIN Temporary	Auto-detect input file character set	2		
	* Sample File	DMSInputFile.txt Upload Browse		
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IPMBukuploadST				
	e Input			
🗉 📴 Manage Connections				
🗉 👺 Manage Security				
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- 3. Define an input agent by entering a **Name**. For example, **bulkUploadInput**.
- 4. Define Input Mask as DMSInputSampleFile.txt.

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P Do you want Google Chrome to save yo	our password? Save password Never for this site	×
ORACLE WebCenter Content:	: Imaging	Logged in as weblogic Help Refresh Preferences Logout About Q
	Basic Information Review Sample File Map File to Application Security Review Settings IPMBulkuploadST: Identify and Parse File Parameters Provide the information needed to properly locate input files and parse their content. "Input Mak, UpioLight Total Content in the input files of parse their content. "Delimiter "Application Main Sample Data /home/orade/JPM_Bulk_Upioad/JMPCommands.txt[JN_JNCERT 1234/PARTY:1234/ME01/BU01/	Cancel Back Next Submit
Manage Inputs PMBukupioadT12 Manage Connections Manage Connections	5	
🗄 🔛 Manage Security		
10.180.84.230:16000/imaging/faces/Pages/Welcome.jspx?	?_afrWindowMode=0	Privacy Statement

Figure 8–56 Input Agent: Input Mask

5. Upload the attached sample file.

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

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

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

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

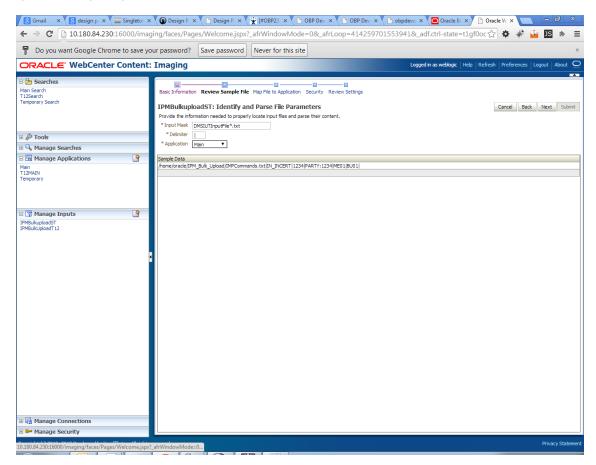
Note

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

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

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

Figure 8–57 Input Agent: File Parameters



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

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← → C 🗋 10.180.4.123:16000/imagi	ng/faces/Pages/Welcome.jspx?_afrLoop=490040352549335&_afrWind	lowMode=0&_adf.ctrl-state=bpwnbw. 🏠 🏟 🍻 🤷 🗵 🔹 😑
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🖸 🎦 Searches MainSearch	Basic Information Review Sample File Map File to Application Security Review Settings	
	bulkuloadInput: Identify and Parse File Parameters Provide the information needed to properly locate input files and parse their content. *Input Mask [DMSIUTInput*.bt. *Delmite [] *Delmite []	Cancel Back Ngxt Submit
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Figure 8–58 Input Agent: Fields Mapping

10. After completion of the procedure, the Input Summary appears. The Input agent should have the settings similar to those shown in Figure 8–59.

Figure 8–59 Input Agent: Summary

	Content	: Imaging			Logged in as weblogic	: Help Refresh Preferences Logout						
🖃 🎦 Searches			6	p p								
MainSearch		Basic Information Review Sar	Basic Information Review Sample File Map File to Application Security Review Settings									
		bulkuloadInput: Field				Cancel Back Nex						
		Define the field mapping betwe	een the input file and the	Application.								
2		Input Mapping										
🛿 🖉 Tools		Application Fields	Input Column	Sample Data 📀	Use Application Default	Date Format						
🗉 🔍 Manage Searches		File Path	Column 1	/home/oracle/IPM_Bulk_Upload/IMPCc	.	4/ 18						
🗉 🔁 Manage Applications	9	Document Type	Column 2	IN_INCERT		÷ / %						
Main		Customer Id	\checkmark	T		4/8						
Temporary		DocId	Column 3	 1234 		40%						
		DocName		•		4/2						
		Indexes	Column 4	 PARTY: 1234 		+ 2 ×						
		MarketEntity	Column 5	 ME01 		+ / %						
🗉 🕎 Manage Inputs	9	BusinessEntity	Column 6	 BU01 		4 / XX						
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		PRODUCT_GROUP_LINKAGE	0	•		4/2						
		Document Description		•		4 / 33						
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		ACCOUNT_ID				4/2						
		BRANCH	Ø.	T		4/8						
		COLLATERAL ID		•		408						
		BORROWING ENTITY		T		4/8						
		APPLICATION	0	T		4 / 23						
		COLLATERAL	0	•		+ / %						
		FACILITY		•		4 / XX						

Note

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

8.2.7 Additional Steps

1. Update user and bankcode as follows:

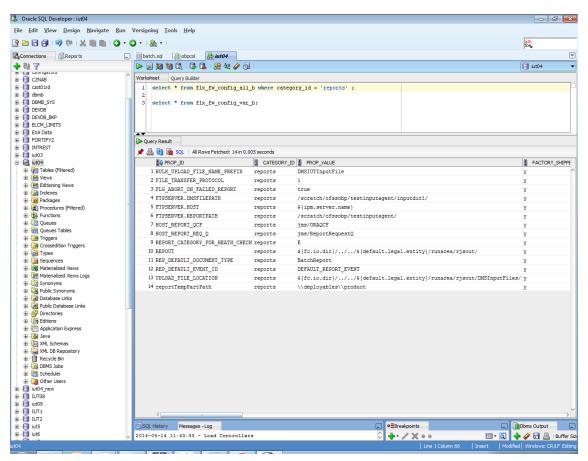
```
update flx_fw_config_all_b set prop_value='48' where prop_
value='335' and category_id like 'contentmanager%';
update flx_fw_config_all_b set prop_value='ofssuser' where
prop_id='userId' and category_id like 'contentmanager%';
```

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.

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.

Table 8–1 PROP ID Values

Figure 8–60 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.

8.2.8 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 8–61 SSL Handshake Resolution

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← → C 🗋 10.180.4.123:16000/imagi	ng/faces/Pages/Welcome.jspx?_afrLoop=5853469444948414&_afr\	NindowMode=0&_adf.ctrl-state=159sd4 🏠 🏟 🚀 嫤 🍱 🍺 🚍
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E Searches MainSearch	Workflow Configuration Server Properties Component Properties Payload Properties W	orkflow Configuration
G	Main: Workflow Configuration Configure a workflow component that will be invoked when new documents are added to the ar Component Properties * Indicates a required value * Composite * Service * Operation * Operation	
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 v. certpath.SunCertPathBuilderException: unable to find valid certification path to requested target	IX path building failed: sun-security-provider, certpath.SunCertPathBuilderException: unable alid certification path to requested target
© ☐ Manage Inputs □ ⊕ Manage Connections		<u>_~</u>
Manage Security Copyright (c) 2010, 2011 Oracle and/or its affiliates. All rights	reserved.	Privacy Statement

8.3 IPM Report Upload Setup

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

8.3.1 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.

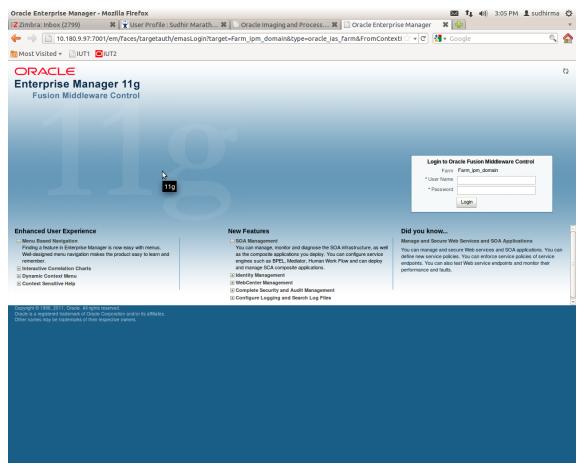
8.3.2 Setting up the Connection Name

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 8–62 Log in to Enterprise Manager (EM) console



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

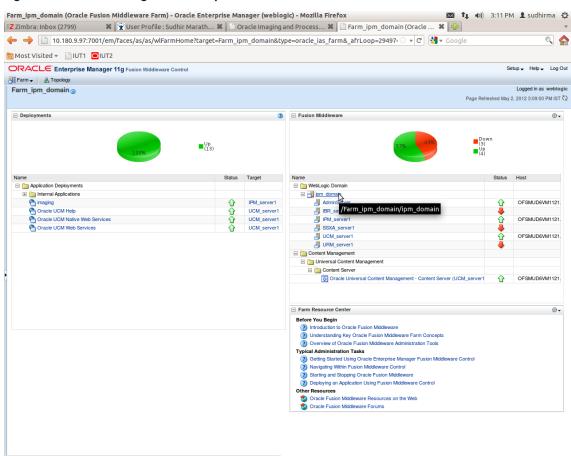


Figure 8–63 Click Weblogic Domain: ipm domain

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

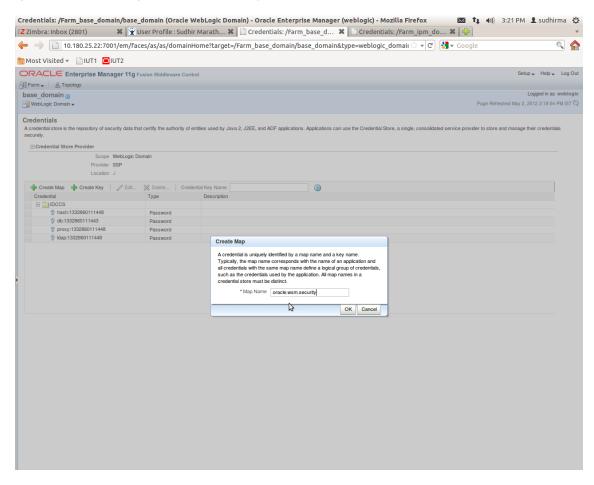
- 3. In the top menu, click **Weblogic Domain.** The corresponding menu appears.
- 4. Navigate to **Security > Credentials.** The Credentials page appears.

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Dort Llasso		M1121.i-flex.com	Administration	n Console							Address	Mode	Algorithm	Туре
Port Usage							No Cluste	ers found						
Application Deployment	>					(2) ⊕ -	- Depk	ovments						(2) (5
Web Services	>													
Security	>	Credentials	N									Up		
Metadata Repositories			3	_						100	0%	Up (13)		
JDBC Data Sources		Security Provide	r Configuration											
System MBean Browser				_										
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				ctive	Processing	Accesses (per		pplication Deployments						
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Before You Begin														
What is an Oracle WebLogic Manage Oracle WebLogic S														
Manage Oracle WebLogic S														
Typical Administration Tasks														
Starting and Stopping Oracl	WebLogic Ser	rver Instances												
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Other Resources Oracle Fusion Middleware F	lesources on #	ne Web												
Oracle Fusion Middleware F Oracle Fusion Middleware F														
							1							

Figure 8–64 Navigate to Weblogic Domain --> Security --> Credentials

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

Figure 8–65 Create Map oracle.wsm.security



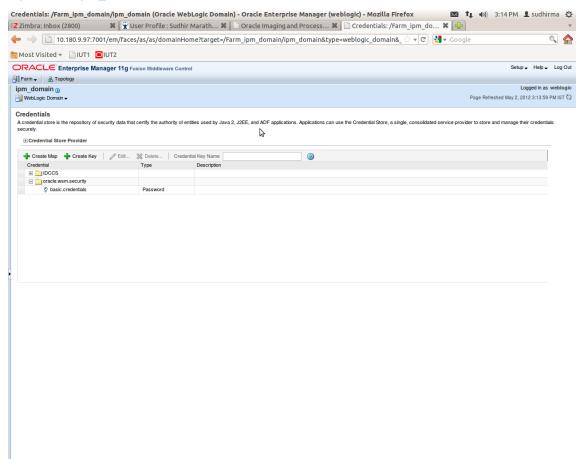
6. Click Create Key to create a key under the map oracle.wsm.security.

Figure 8–66 Create Key: basic.credentials

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Z Zimbra: Inbox (2802)			🗋 Credentials: /Farm_base_d 🗱 📋 Credentials: /Farm_ipm_do 🗱 🚰
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📑 Farm 🗸 🔒 Topology			
base_domain			Logged in as weblogic
WebLogic Domain 🗸			Page Refreshed May 2, 2012 3:18:04 PM IST €2
i Information The credential map, oracle.wsm.secu	urity, has been created.		B
Credentials A credential store is the repository of sec securely.	urity 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			
A credential store is the repository of security data that certify the authority of entities used by Java 2, J2EE, and ADF applications. Applications can use the Credential Store, a single, consolidated service provider to store and manage their credentials securely.			
Create Map 🚽 Create Key	/ Edit X Delete (Credential Key Name	
Credential	Туре	Create Key	
🖃 🧰 IDCCS			
	Password	Select Map	oracle.wsm.security 💌
		* Key	basic.credentials
		Туре	Password •
	Password	* User Name	weblogic
oracle.wsm.security		* Password	
		* Confirm Password	
		Description	
		Description	Password for connecting to admini 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.





8.3.3 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.

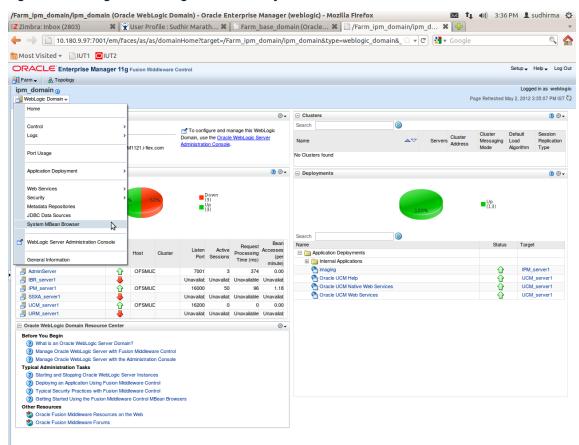


Figure 8–68 Navigate to Weblogic Domain --> System MBean Browser

- 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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	S	how MBean Information				
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JMImplementation Security		Name	Description	Access	Value	
Security Com.bea			Render page-cache temp file location. Takes effect at server		Tudo .	
Application Defined MBeans	2	CacheLocation	restart.	RW		n
🗉 🚞 EMDomain	3	CheckInterval	Configures how often (in minutes) input agent checks for	BW	15	
🗉 🧰 com.oracle	Ŭ,	Gildoninia	work. Takes effect on the next check cycle.			
🗈 🚞 com.oracle.igf	4	CleanupExpireDays	Configures how many days files will remain in the Input Agent Holding directory	RW	0	
🗄 🚞 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	6	DefaultColorSet	Name of default skin used by UI if user has not set a	RW		
com.sun.management com.sun.xml.ws.transport.http			preference.			
com.sun.xml.ws.util	7	DefaultSecurityGroup	The default security group to use for document security when creating an application	RW		
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 initialization.	RW	/usr/share/X11/fonts/TTF	
🗷 🚞 oracle.adf.share.config			Controls how many times a job can be retried. The default is			
oracle.adf.share.connections	10	InputAgentRetryCount	3: on the 4th try the job is placed in the failed directory.	RW	3	
fill oracle.as.util fill oracle.bc4j.mbean.config	11	InputDirectories	Provides list of directories stored as CSV strings where input	RW		=
oracle.bc4j.mbean.comg oracle.dfw		InputDirectories	sources should look for work. Takes effect immediately.		/home/oracle/testinputagent/inputdir1	
oracle.dms	12	IPMVersion	The I/PM version number.	R	11.1.1.5.0 (110426.1700.11020)	
oracle.dms.event.config	13	JpegImageQuality	Specifies desired quality level of rendered JPG images	RW	100	
 imaging 	14	LogDetailedTimes	Provides detailed logging of UI activity with durations of many	RW	false	•
E Derver: IPM_server1		-	of the UI activities. Takes effect at server restart.		L	-
🗉 🧰 cmd	15	MaxSearchResults	Maximum number of rows a search is allowed to return. After this value is reached, the search is stopped. Takes effect on	RW	100	
🖃 🧰 config	15	manarad offit to dute	next search.			
S con[₫	16	RequireBasicAuthSSI	Forces the use of SSL in all web service communication	BW	false	-
ipmt2p oracle.j2ee.co oracle.imaging:L		rver1,type=config	when set to true			<u> </u>
oracle.j2ee.co oracle.integring.c	17	SampleDirectory	Specifies which directory holds the sample data for the input UI, Takes effect immediately,	RW	IPM/InputAgent/Input/Samples	
oracle.jocssl			OI. Lakes effect immediately. Compression algorithm used when creating TIFF images.			
oracle.jrf	18	TiffCompressionType	Takes effect each time a TIFF is generated.	RW	LZW	
🗈 🛅 oracle.jrf.server	19	Uptime	Returns the uptime of the server.	R	262:39:59	
oracle.jrockit.management			Causes the advanced viewer to be used as the default			
🗷 🚞 oracle.logging	20	UseAdvancedAsDefaultViewerMode	viewer mode if a user has not set a preference. Takes effect	RW	false	· ·
🗷 🦳 oracle.mds.lcm			at next login			

Figure 8–69 InputDirectories: Enter Input Agent Path

8. Restart IPM server.

8.3.4 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 8–70 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 8–71 IUTSOA: Basic Information

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

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Figure 8–72 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 8–73 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 8–74 IUTSOA: Review Settings

8.3.5 Manage Application Configuration

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

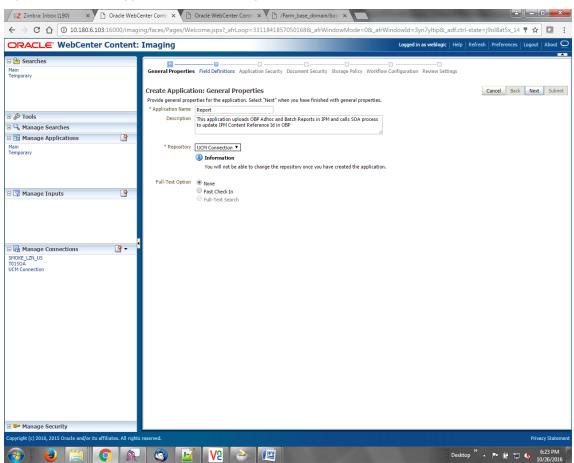


Figure 8–75 Create Application: General Properties

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

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Figure 8–76 Report: Field Definitions

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

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Figure 8–77 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 8–78 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 8–79 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.

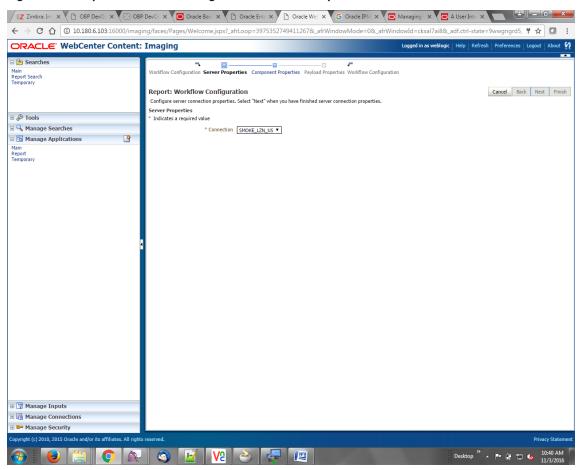


Figure 8–80 Report: Workflow Configuration - Server Properties

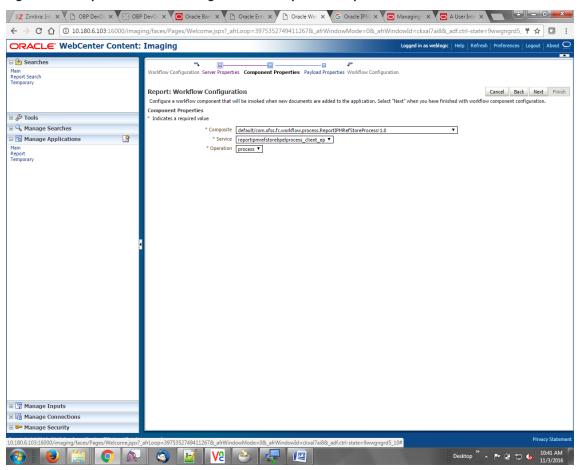


Figure 8–81 Report: Workflow Configuration - Component Properties

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Figure 8–82 Report: Application Summary

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

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Figure 8–83 Create Application: Review Settings

8.3.6 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 8–84 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 8–85 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.

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🗉 🔩 Manage Searches		Application Fields	Input Column	Sample Data	Use Application Default	Date Format	
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dain	-	BANK_CODE	Column 2	10		40%	
eport		CHANNEL	Column 3	BRN		40%	
emporary		EXTERNAL_BATCH_NUMBER	Column 4	0		4/3	
		EXTERNAL_SYSTEM_AUDIT	Column 5	0		÷ / %	
		TARGET_UNIT	Column 6	GLBL_BU_PB		403	
-		TRANSACTION_BRANCH	Column 7	1000		40%	
🖙 Manage Inputs	9	USER_ID	Column 8	OFSSUser		408	
eportIPMContentRefInputAgent		ADHOC_REPORT_REQUEST	Column 9			4/8	
		REPORT_ID	Column 10	TD101		4/3	
		REPORT_TYPE	Column 11			4/8	
		BRANCH_GROUP_CODE	Column 12			408	
		REPORT_RUN_DATE	Column 13			4/8	
		CONTENT_REFERENCE_ID	Column 14			4/8	
		FILE_PATH	Column 1			4/8	
		REPORT_SPLIT_KEY	Column 15			408	
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9. Select the access rights for user in the Security section and click Next.

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Figure 8–87 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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	Auto-detect input file character set 🗹	
	Input Mask ReportRepositoryControlFileLZN_25*.txt	
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ReportIPMContentRefInputAgent	■Field Mapping	
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Figure 8–88 Input Agent Details: Review Settings

Note

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

8.3.7 Manage Searches

To manage searches:

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

Figure 8–89 Create Search: Properties

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

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Figure 8–90 Create Search: Results Formatting

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Figure 8–91 Create Search: Conditions

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Figure 8–92 Create Search: Parameters

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

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Figure 8–93 Create Search: Security

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

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Figure 8–94 Create Search: Preview and Test

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Figure 8–95 Create Search: Review Settings

8.3.8 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 8–2 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.updateBatchReportContentRefld (SessionContext, BatchRequestDTO) needs to be removed (for Development environment). com.ofss.fc.app.report.ReportGenerationApplicationService.updateSplitReportContentRefld (SessionContext, ReportSplitDetailDTO) needs to be removed (for Development environment).

Figure 8–96 Component Properties

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	Workflow Configuration Server Properties Component Properties Payload Properties Workflow Configuration Main: Workflow Configuration Configure a workflow component that will be invoked when new documents are added to the application. Select "Next" when you have finished with workflow component configuratio Component Properties Indicates a required value Composite Compos	lext Finish m.
WSDL", caused by: javax.net.ssl.SSLHandshake to find valid certification path to requested targe sun.security.validator.ValidatorException: PKIX (Exception: javaxnet.sd.SSLHandshekeException: sun.security.validator.ValidatorException: PKIX path building failed: sun.security.provider.certpath.SunCertPathBuilderException: u et path building failed: sun.security.provider.certpathSunCertPathBuilderException: unbite to find valid certification path to requested target certpath.SunCertPathBuilderException: unable to find valid certification path to requested target	
🗄 🗊 Manage Inputs		
🕀 🖶 Manage Connections		
🗄 🔛 Manage Security		
Copyright (c) 2010, 2011 Oracle and/or its affiliates. All rights r	reserved. P	Privacy Statement

9 OAS (BIP) Datasource Creation

This chapter explains the steps required for Oracle Analytics Server (OAS) (formerly known as BIP or Business Intelligence Publisher) datasource creation.

9.1 OAS (BIP) Datasource Creation

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

Follow the below mentioned steps to create the datasource:

1. Open a browser and navigate to:

<BIP_SERVER_IP>:<BIP_SERVER_PORT>/xmlpserver

- 2. Log in using the following credentials:
 - Username: <BIP_SERVER_USER>
 - Passowrd: <BIP_SERVER_PSWD>

Figure 9–1 OAS (BIP) Server Console Login

← -	G	O Not secure 10.180.35.26:9502/bi-security-login/login.jsp;jses	sionid=hPWCXqaYukrOFhgW7rMZZ7JmxvYX_3Z-v	PcTaAjmATvf_GtW3M4t!540996350?redirect=L3htbHBzZX ✿	○ ⊖ :
			ORACLE		
			User ID		
			Password		
			Sign In		
			Accessibility Mode		
			English •		

3. After logging in, click Administration.



		her Enterprise	Search All	*	Q Administration Help ▼	Sign Out 🕒
Image: Report Job Reports Image: Report Job BarcodeGenerationRTF Image: Report Job Image: Report AcctOpening Image: Report Job Data_ModeL_AcctOpening	me		Home	Catalog New 🔻	Open 💌 Signed In As	weblogic 🔹
Image: Construction Image: Construction<	Create	Recent				
Open Edt More * Data Model More * BarcodeGenerationRTF Report_AcctOpening LN301 LN901 LN126 Open Edt More * Deat More * LN901 LN126 Catalog Folders Open Edt More * Open Edt More * Open Edt More * Deat More *	Report	Reports				
Data Model More w Barcode@GenerationRTF Report_AcctOpening LN301 Unit of profiles Catado Folders Report Job Report Job History Data_Model_AcctOpening LN301 L	Report Job					
Browse/Manage Open Edit More * Data Edit More * Edit More * Edit More * Edit More * Edit More * <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td></th<>						
Report Job Others Report Job History Image: Dial_Model_AcctOpening Edit Edit Edit Image: Dial_Model_AcctOpening Edit	Browse/Manage					
		Others				
Edit	Report Job History	Data_Model_AcctOpening Edit	Edit	01	Edit	
		Edit LN125				

4. Click JDBC Connection under Data Sources.

Figure 9–3 OAS (BIP) JDBC Connection

	Search All 💌 🔍 Administration Help 💌	Sign Out 🖃
dministration	Home Catalog New ▼ Open ▼ Signed In As w	veblogic 🔻
Data Sources	System Maintenance	- 1
JDEC Connection JNDI Connection Elle LDAF Connection OLAF Connection HTTP Connection HTTP Connection Content Server	Server Configuration Schoduler Configuration Schoduler Diagnostics Report Viewer Configuration Manage Cache Manage Job Diagnostics Log	
Security Center	Runtime Configuration	
Security Configuration Roles and Permissions Digital Signature	Properties Font Mappings Currency Formats	
Delivery	Integration	
Delivery Configuration Printer Fax Email WebDAV HTTP FTP Confernt Server Confernt Server Confernt Server Document Cloud Services	Oracle BI Presentation Services	

5. Click the Add Data Source button.

Figure 9-4 OAS (BIP) - Add Data Source

	ublisher Enterprise	Search All		Ŧ		্ Administration	Help 💌	Sign Out	
dministration			Home	Catalog	New	▼ Open ▼	Signed In As	weblogic	*
ministration > JDBC									
ata Sources									
	P OLAP Web Services HTTP Content Server								-
									-
Add Data Source									
Data Source Name	Connection String	Delete							
CASADEV27	jdbc:oracle:thin:@mum00cna.in.oracle.com:1521/P26138A	Î							
demo	jdbc:oracle:thin:@HOST:PORT:SID	1							
MPOBAU27	jdbc:oracle:thin:@10.180.24.32:1521/PDBAU27	Î							
MPOBEOUS27	jdbc:oracle:thin:@10.180.24.32:1521/PDBT29	Î							
MPOBUS27	jdbc:oracle:thin:@10.180.24.32:1521/PDBUS27	Û							
Oracle BI EE	jdbc:oraclebi://mum00bhz.in.oracle.com:9514/	Î							
		2							

6. Fill up the following fields:

Table 9–1 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.

Figure 9–5 OAS (BIP) Data Source Created

← → C ③ Not secure 10.180.35.26:9502/xmlpserver/s	ervlet/adm/datasource/upd	dateconnection?mode	e=UPDATE&type=	=jdbc&nar	ne=MPOBUS2	27&_sTkn=b	70fef16167825fb	8a8 🟠	○ ⊖ :
ORACLE [®] BI Publisher Enterprise		Search	All		•	c	Administration	Help 🔻	Sign Out
Administration			, i	Home	Catalog	New 💌	Open 💌	Signed In As	weblogic 🔻
Administration > JDBC > Update Data Source: MPOBUS27									0
Update Data Source: MPOBUS27									
								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	em User checkbox to use the B	I System User for your B	I Server Database C	onnection.					
Data Source Name									
* Driver Type	Oracle 12c	•							
* Database Driver Class	oracle.jdbc.OracleDriver								
Connection String	(Example: oracle.jdbc.OracleDriver) idbc:oracle:thin:@10.180.24.3	32-1521/DDBUS27							
	Jube.ordere.um. @10.100.21.	52.1521/100052/							
Use System User			11						
* Username	MPOBUS27								
Password	•••••								
Pre Process Function									
Post Process Function									
	Use Proxy Authentication								
	Test Connection								

10 ODI Configuration

This chapter details steps involved in the configuration of ODI. Before configuring ODI, you need to install the required ODI version mentioned in Section 1.1.2.1 Certification Details.

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

10.1 Configuration Procedure

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

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

Example: WSDL_URL =

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

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11 Monitoring Servers Using Oracle Enterprise Manager

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

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

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

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

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12 Post Installation Verification

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

12.1 UI Domain Verification

To verify the UI domain installation:

- 1. Start the UI domain Admin and Managed servers.
- 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 OBEO libraries and applications is Active.
 - Shared Libraries
 - ob.app.client.coll
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.deposit
 - ob.app.client.fw
 - ob.app.client.broker
 - 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.broker
 - 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.view.obcm
 - com.ofss.fc.ui.view.admin
 - com.ofss.fc.ui.view.admin.dashboard
 - com.ofss.fc.ui.view.developer
 - com.ofss.fc.ui.view.mds
 - com.ofss.fc.ui.view.obeo
 - com.ofss.fc.ui.view.obepm
 - com.ofss.fc.ui.view.qa
 - com.ofss.fc.ui.view.taskqueue

Note

Broker shared libraries will be a part of only AU localization.

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

Figure 12–1 UI EM Console Status Check C ① 10.180.85.196:7001/em/faces/as-weblogic-webLogicDomainHome?type=weblogic_domain&target=%2FDomain_ui_domain%2Fui_doma ☆ 🖸 🔛 : 📕 WebLogic Domain 🔻 🛛 weblogic 💌 🛶 ORACLE' Enterprise Manager Fusion Middleware Control 12c te ui_domain 0 🚹 💌 🖂 💌 🛛 Auto Refresh Off . 🔚 WebLogic Domain 👻 May 8, 2018 4:49:19 PM GMT+05:30 👈 Information × Certain functionality on this page is available only when you own the edit session lock. To obtain the lock, click "Lock and Edit" in the Change Center menu. Servers Administration Server Name AdminServer **2** Up Host mum00adi.in.oracle.com Listen Port 7001 Clusters SSL Listen Port 7002 Servers **1** Up 👕 Create 🗙 Delete 🛛 Control 👻 🖽 View **w** Hea Usag (ME Listen Port Usage (%) Health Name Status Cluster Machine State Deployments AdminServer(admin) t Running ок 7001 4.31 805.9 ↑ obpui_cluster1 ui_machine1 Running ок 8001 0.98 2,870.1 obpui_server1 12 Up 4 ÷ Columns Hidden 33 Servers 2 of 2

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

← → C ③ 10.180.85.196:7001/wsm-pm/validator		A 🚺 🛄
		configuration. 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.
pracle/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 SOA request messages. Only plain text mechanism is supported. Credentials are provided either programmatically through the current Java Authentication and Authorization Service (JAAS) subject or by a reference in the policy to the configured credential store. This policy has secure conversation enabled. This policy can be attached to any SOAP-based client.
oracle/wss11_x509_token_with_message_protection_wssc_client_policy	1	This policy provides message-level protection and certificate-based authentication for outbound SOA requests in accordance with the WS-Security 1.1 standard. Messages are protected using WS- Security 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 applie 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 ke technologies, specifically RSA key mechanisms for message confidentiality, SHA-1 hashing algorithm for message integrity, and AES-128 bit encryption. This policy can be attached to any SOAP based endpoint or any HTTP based endpoint

Figure 12–2 UI Admin wsm-pm Validator

Figure 12–3 UI managed wsm-pm validator

1 - 4 - 4	
1 - 4 4	
Version	Description
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.
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.
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.
1	This policy inserts SAML Sender vouches assertion issued by a trusted STS (Security Token Service) Messages are protected using client's private key.
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.
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.wd.org/TR/2006/REC-soap12-mtom-20050125/ and http://www.wd.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
1	This policy facilitates enabling and configuring JRF service-side async support.
1	This policy facilitates the disabling of atomic transaction support. It also disables globally attached policy of the same policy category/subcategory.
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.
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.
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

12.2 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 OBEO libraries and applications is *Active*. Following are the details of all XD components libraries and ears:

batchhost Server deployments

- 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.broker
 - 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
- ob.app.integration
- ob.app.host.broker
- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging
 - com.ofss.fc.middleware
 - com.ofss.fc.module.rest.ops
 - com.ofss.fc.reports.communications
 - com.ofss.fc.webservices
 - OBPAPI

OBPR Server deployments

- 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.cz
- ob.app.host.fw
- ob.app.host.pricing
- ob.app.host.tp
- ob.app.host.tp.cz
- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging.pricing
 - com.ofss.fc.middleware.pricing
 - com.ofss.fc.webservices.pricing

OBEPM Server deployments

- 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.cz
 - ob.app.host.fw
 - ob.app.host.lcm
 - ob.app.host.pm
 - 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.webservices.pm

OBEO Server deployments

- 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.broker
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pm
 - ob.app.client.pricing
 - ob.app.client.sh
 - ob.app.host.broker
 - ob.app.host.cz
 - ob.app.host.fw
 - ob.app.host.or
 - ob.app.host.tp
 - ob.app.host.tp.cz
 - ob.app.integration
- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging.or

- com.ofss.fc.middleware.or
- com.ofss.fc.webservices.or

OBPM Server deployments

- 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.cz
 - ob.app.host.fw
 - ob.app.host.party
 - ob.app.host.tp
 - ob.app.host.tp.cz
 - ob.app.integration
- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging.party
 - com.ofss.fc.middleware.party
 - com.ofss.fc.webservices.party

OBShared Server deployments

- 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.cz
- ob.app.host.fw
- ob.app.host.sh
- ob.app.host.tp
- ob.app.host.tp.cz
- ob.app.host.communication
- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging.sh
 - com.ofss.fc.middleware.sh
 - com.ofss.fc.webservices.sh

OBCCM Server deployments

- 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.host.cz
- ob.app.host.fw
- ob.app.host.lcm
- 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.lcm
 - com.ofss.fc.middleware.lcm
 - com.ofss.fc.webservices.lcm

Note

Broker shared libraries will be a part of only AU localization.

JMS Modules

JMS Modules for all XD host servers.

Ne	w Delete	Showing 1 to 17 of 17 Previous Ne
	Name 🗞	Туре
	jmsAccountingModule	JMSSystemResource
	jmsAnalyticsModule	JMSSystemResource
	jmsAsyncAuditModule	JMSSystemResource
	jmsBatchModule	JMSSystemResource
	jmsCasaModule	JMSSystemResource
	jmsCollateralModule	JMSSystemResource
	jmsCollectionModule	JMSSystemResource
	jmsDocumentOutboundModule	JMSSystemResource
	jmsDomainPublishModule	JMSSystemResource
	jmsODIModule	JMSSystemResource
	jmsOriginationModule	JMSSystemResource
	jmsPartyModule	JMSSystemResource
	jmsPaymentModule	JMSSystemResource
	jmsPricingAnalysisModule	JMSSystemResource
	jmsReportModule	JMSSystemResource
	jmsRuleModule	JMSSystemResource
	jmsWorkflowModule	JMSSystemResource

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

Figure 12–4 HOST admin wsm-pm validator

Policy Manager Status: Operational						
Policies (183)						
Name	Latest Version	Description				
oracle/http_saml20_token_bearer_client_policy		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		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		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		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		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		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 12–5 HOST managed wsm-pm validator

← → C ③ 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-mtomr-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.

12.3 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 OBEO libraries and human task files with .ear extension is *Active*.
 - Shared Libraries
 - ob.app.client.coll
 - ob.app.client.broker
 - 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.broker
 - ob.ui.communications
 - ob.ui.cz
 - ob.ui.deposit
 - ob.ui.fusion
 - ob.ui.lcm

- ob.ui.lending
- ob.ui.or
- ob.ui.party
- ob.ui.pm
- ob.ui.pricing
- ob.ui.sh
- ob.ui.tp
- ob.ui.tp.cz
- Ears
 - com.ofss.fc.app.ui.connector
 - com.ofss.fc.ui.view.mds
 - com.ofss.fc.workflow.ui.batchexceptionrecovery
 - com.ofss.fc.workflow.ui.brop
 - com.ofss.fc.workflow.ui.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

Note

Broker shared libraries will be a part of only AU localization.

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

12.4 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 12–6 BAM Composer

ORACLE' BAM Composer						weblogic 🔻 🚥
					Home Adminis	strator Designer
User V Data Objects Data Objects User KPIS Userses Views Databoards Alerts Parameters	Dashboards are comp	Alerts	Business Views	Models	Da	ta

Figure 12–7 BAM Composer

ORACLE' BAM Composer						weblogi	C 💌 🚥
					Home	Administrator	Designer
User Create Create Delete B Create Delete B Create Delete B Create Delete Del	Dashboards are compo	Alerts	Business Views	Models		Data	

Figure 12–8 BAM Composer

ORACLE BAM Composer			weblogic 💌 🚥
		_	Home Administrator Designer
	Open Project	×	
User 💌	Select the project to open		
= + / 章 €	Application		
Data Objects	OperationsManager		
Business Queries	User		_
KPIs			
Business Views Dashboards Dashboards	ls	s Views Models	Data
Alerts			
Parameters			
Dashboards are	co	shboard	
		_	

12.5 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 12–9.

Figure	12-9	BPM	Worklist	Window	Settinas
. igai e		Z · · · ·			ooungo

BPM Worklist	× 🖸 Single Sign On - Login × +									-	o x
🗲 🕲 10.180.5.14:8001/integratio	on/worklistapp/faces/administration.jspx			⊽ C ^e Q, Searc	h			☆ 🛍	•	♠	9 =
🙆 Most Visited 🔒 Build Machines	; 🔒 Test Environments 🎒 UX 🎴 Grok 🔒 OBP	Tools 🍺 Oracle Tools 🍶 ADF Related 🔒 Primavera 逼 Misc 🍶 Personal 逼 UH	IC								
ORACLE BPM Wo	orklist								🔂 ofs	suser	·
						Administration	Evidence Search	Approval G	iroups	Task C	onfiguratio
Application Preferences	Application Preferences									<u>S</u> ave	Revert v
 Flex Field Mapping Public Flex Fields 		Worklist Action Menu		eur 🔿 Llide							
Protected Flex Fields		Worklist Action Menu	9 ol	ow C Hide							
		Map Task actions to an image	⊠ →		w						
			⊠ →		w						
		10g Workspace Application URL									
		Flex Field INTEGER Display									
		пех пек и соскорани	V								
	8		Activit	y Guide							
			Actim	Guide							
		The interval to wait for Activity Guide for poll requests to access next task				30	D				
		Maximum number of times Activity Guide should poll to move to the next task				1)				
			Task F	orms (Requires Task Form:	s Serve	ers Restart)					
		File Types Allowed for Upload				-					
		Display task details in external window	En	able 🔘 Disable							

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13 Errors and Remedies

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

13.1 OBEO 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 OBEO 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 13–1 SOA Domain Error

```
Welcome to WebLogic Server Administration Scripting Shell
Type help() for help on available commands
Domain creation started...
Error: No domain or domain template has been read.
Error: No domain or domain template has been read.
Error: No domain or domain template has been read.
Copying JRF components to "obpsical cluster!"
Copying JRF changes to domain /scratch/app/product/fmw/user_projects/domains/base_domain/config/fmwconfig/servers/soa_serv
erl
Update JRF changes to domain files from /scratch/app/product/fmw/oracle_common/modules to /scratch/app/product/fmw/user_projects/domains/base_domain/config/fmwconfig/servers/soa_serv
erl
Update JRF changes to domain files from /scratch/app/product/fmw/oracle_common/modules to /scratch/app/product/fmw/user_projects/domains/base_domain/config/fmwconfig/servers/soa_serv
erl
Update JRF changes to domain /scratch/app/product/fmw/oracle_common/modules to /scratch/app/product/fmw/user_projects/domains/base_domain/config/fmwconfig/servers/soa_serv
erl
Domain created Successfully
Domain created successfully
Domain readed Successfully
Domain created Successfully
Do
```

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.

13.2 OBEO Security Policy Seeding

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

13.3 OBEO 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 OBEO 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 OBEO Host installation in which once the post install script for OBEO host has secured itself against a LDAP (OID/OVD) it proceeds to restart the OBEO 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 OBEO 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

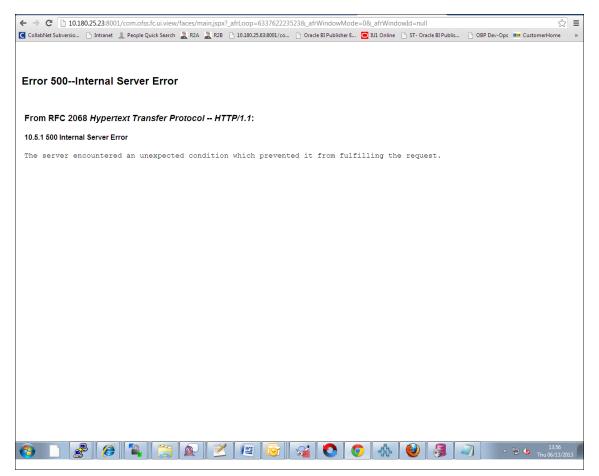
Once the post install script is completed successfully, you can start the domain servers and enter a dummy transaction to check the system correctness. If you face an error you can inspect the stderr log, the WebLogic domain managed server logs as well as the ofss logs under domain directory.

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.

13.4 Error on First Log in

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

Figure 13–2 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.

13.5 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.

13.6 SOA Setup in Cluster

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

13.6.1 "COMPONENTTYPE": invalid identifier error

Due to one of the one-off patches for SOA applied during the OBEO 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**.

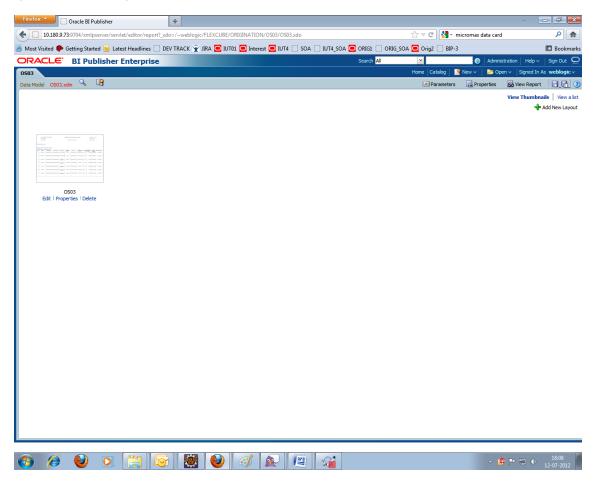
For example on Oracle database user needs to run the following command on soainfra schema:

alter table cluster master add (componenttype varchar2(10));

13.7 BIP Report Data Model Linkage Problem after Host Post Installation Step

After editing a report, click the magnifying glass icon 🔍 to select the data model associated with this report. (Here OS03.xdm in red indicates that the data model is not properly connected with the report or that the report is not able to find the model at the location that it is referring)

Figure 13–3 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.

13.8 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>
```

13.9 BPM Worklist Task Issue

If the BPM Task (human task) is not working after installation and you get a backend error indicating access denied, then:

1. Add the following parameters in setStartupEnv.sh for obphumantask_server1.

Djavax.xml.parsers.DocumentBuilderFactory=com.sun.org.apache.xerces.internal.jaxp.DocumentB 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 13–4 BPM Worklist Task issue

1000	xCgs - Your GET X CEP DexOgs X D SPM Worklast X CE Drace Banking Partners X			430 ×	-
	▲ Not secure sept.//10.180.86.237/8002/integration/workitstapp/faces/home.pps				†
Apps D	OBP DevOps 🗅 Log Monitoring 🔄 Primavera-Timeshaet 🗋 Automation Reports 🔮 Jankins				
ORACI	E BPM Worklist			testuse	e
Actions +	🛙 🛛 APP201520160065544 🔍 🔍 + Me & My Group All + Assigned 🔹 🏦 🗽 +				
Status 19	Title	Number C	reator	Assigned	Priority
	Verity Application APP301020160005544 and Submission SUB301020166008445	200051 1	RestUser	Jul 29, 2017 12:53	3.
	Structure Solution of Credit Card Application APP301020160005544 and Submission SUB301020160008445	200050 1	Rott/ser	Jul 29, 2017 12:53	3
From I	500Internal Server Error RFC 2068 Hypertext Transfer Protocol HTTP/1.1:				
From F					
From F	RFC 2068 Hypertext Transfer Protocol HTTP/1.1: 00 Internal Server Error				

13.10 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 1	13–5	Artifacts	Issue	for	SM500	page
----------	------	-----------	-------	-----	-------	------

🚯 Oracle Test Manager x 😵 [OBPR2601-1934] LN100_res: X 🦲 Oracle Banking Platform X 🗧 Oracle Banking Platform X +				O X
(https://10.180.6.118.8002/com.ofss.fc.ui.view/faces/main.jspx	C Q Search	★ 自	+ 🕆	
📓 Most Visited 🛞 OBP DevOps 🛞 OID 💁 SVN 🥌 BLRT07 🥃 T21 🥃 T09 BATCH 🥃 T09 🛞 SOA Composer 💽 T27 💩 Oracle Test Manager 🛞 T27 SOA Com	mposer 🕱 jira 🕱 2601 jira 回 suncorp24 🥃 T05	PM060 🖸 Primavera - Timesheets		
	Fast Path		manjuna_u	
★ SM500 ×				
Artifact Dependency Map			Print	🗙 Egit
A Resource Search Meta Meta				×
📀 🥝 😭 🖸 🕘 🖉 🖪 🗟 🔿 🕥 🔯 🗹		- P* (¥ 🕽 🌜	12:15 PM 6/16/2017

13.11 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 13–6 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 >Summary of Deployments >com.ofss.fc.app.ui.connector >com.ofss.fc.connector.rar >Roles >co	om.ofss.fc.connector.rar >Summary of Deployments >co	om.ofss.fc.connector.rar >Summary of Deployments >com.ofss.fc.app.ui.connector >com.ofss.fc.connector.rar
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 base_domain IDomain Partitions B-Environment	Initial Capacity:	1	The initial number of connections in the pool. More Info
Deployment Deployment Services Services	fax Capacity:	50	The maximum number of connections in the pool. More Info
B-Interoperability B-Diagnostics	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 L E	Highest Num Unavailable:	0	The Highest Num Unavailable of this outbound connection. More Info
properties	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
Failed (0) Critical (0)	Connection Reserve Timeout Seconds:	-1	The Connection Reserve Timeout Seconds of this outbound connection. More Info
Overloaded (0) Warning (0)	Test Frequency Seconds:	0	The frequency, in seconds, to test connections in this outbound connection pool. More Info
OK (3)			

13.12 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
```

13.13 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.

13.14 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.
- 3. Please add following argument in setDomainEnv.sh file of PRICING server. Please make sure to add the space at the end of line

-DPricingConfiguration:MockedDomainCategories=LN,CS,TD

- 4. Restart Pricing Server managed server.
- 5. Please add following argument in setDomainEnv.sh file of shared server. Please make sure to add the space at the end of line

-DAdapterFactories:ACCOUNT_DDA_MOCKED=true

-DAdapterFactories:ACCOUNT_TD_MOCKED=true

-DAdapterFactories:ACCOUNT_LOAN_MOCKED=true

6. Restart shared managed server.

Note

From point 3, steps are applicable only for OBEO US setup

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14 Uninstalling the Application

This chapter explains the process of uninstalling the Oracle Banking Enterprise Originations.

14.1 Manual Uninstall

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

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