Oracle® Banking Platform

US Localization Installation Guide - Silent Installation Release 2.7.1.2.0 F38028-01

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Oracle Banking Platform US Localization Installation Guide - Silent Installation, Release 2.7.1.2.0

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Preface

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

This preface contains the following topics:

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

Audience

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

This installation guide is applicable for Australia localization and US localization.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

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Organization of the Guide

This document contains:

Chapter 1 Getting Started

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

Chapter 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 Platform.

Chapter 3 OBP Localization SOA Media Pack Installation

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

Chapter 4 OBP Localization Host Media Pack Installation

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

Chapter 5 OBP Localization Presentation Media Pack Installation

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

Chapter 6 BAM Installation using OBP Localization SOA Media Pack

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

Chapter 7 Standalone Database Setup

This chapter explains the steps involved in Oracle Banking Platform database.

Chapter 8 OBP and IPM Integration

This chapter explains the steps involved in the integration of Oracle Banking Platform 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) datasource creation.

Chapter 10 ODI Configuration

This chapter explains the steps involved in the configuration of ODI using OBP 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 Platform.

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 Platform.

Chapter 14 Uninstalling the Application

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

Related Documents

For more information, see the following documentation:

- For information necessary for the installation and configuration of integration components to create a complete solution using Oracle Banking Platform and Oracle Documaker, see the installation and configuration guides at 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 Platform Security Guide.
- For the complete list of licensed products and the third-party licenses included with the license, see the Oracle Banking Platform Licensing Guide.
- For information related to setting up a bank or a branch, and other operational and administrative functions, see the Oracle Banking Platform Administrator Guide.
- For information related to customization and extension, see the Oracle Banking Platform Extensibility Guides for SOA, HOST, and UI.
- For information on the functionality and features, see the respective Oracle Banking Platform Functional Overview document.
- For recommendations of secure usage of extensible components, see the Oracle Banking Platform 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 a action, or terms defined in text or the glossary.		
<i>italic</i> Italic type indicates book titles, emphasis, or placeholder variables for which supply particular values.		
monospaceMonospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.		

The following acronyms are used in this document:

Acronym	Meaning	
ADF	Application Development Framework	
ATM	Automated Teller Machine	
BAM	Business Activity Monitoring	
BPEL	Business Process Execution Language	
DB or db	Oracle Database	
FEPI	Front End Processing Interface	
HOST	Middleware Host Tier	
IAM	Identity and Access Management	
IPM	Imaging and Process Management	
LDAP	Lightweight Directory Access Protocol	
OAAM	Oracle Adaptive Access Manager	

Acronym	Meaning	
OAS	Oracle Analytics Server	
OBP	Oracle Banking Platform	
ODI	Oracle Data Integrator	
OEL	Oracle Enterprise Linux	
OEM	Oracle Enterprise Manager	
OID	Oracle Internet Directory	
OIM	Oracle Identity Manager	
OLTP	Online Transaction Processing	
OPSS	Oracle Platform Security Services	
OS	Operating System	
POS	Point Of Sale	
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 Platform and the installation guide. It also mentions the assumptions, limitations and exclusions that this document has been based upon.

1.1 About Oracle Banking Platform

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

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

1.2 About This Document

This document guides you through the installation of the core banking application Oracle Banking Platform along with 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 Platform Integration and Approval Processes hosted on Oracle SOA)
- Security Configuration (Seeding security to OID)
- Seed Data Configuration (Seeding data to Core banking OLTP Database Server)

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

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

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

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

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 Platform 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 Oracle Banking Platform components have to be installed from the Linux machine.
- The user is aware of the process of creating required db schema using RCU prior to initiation of OBP 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 Platform.

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 Platform 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 Platform solution to install and function decently are listed below:

Sr. No.	CPU (2+GHz)	RAM (GB)	Disk (GB)	OS Version	Purpose
1	4	16	200	OEL 7.5 64 bit	Oracle Banking Platform Oracle Database
2	4	32	200	OEL 7.5 64 bit	Oracle Banking Platform ADF UI Presentation Server
3	4	32	200	OEL 7.5 64 bit	Oracle Banking Platform Services Middleware Host Server
4	2	16	200	As per OID certification matrix.	Oracle OID Server
5	2	16	200	As per IPM certification matrix.	Oracle IPM Server
6	2	16	200	As per 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 Platform installation will be performed.

2.1.2.1 Certification Details

The following software are mandatory:

Table 2–2 List of Software

Sr. No.	Components	Zone	Software
1	OBP UI Presentation	Banking AppOracle 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 AppOracle 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	OBP 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	ОІМ	Security	Oracle Identity Manager 12.2.1.4.0 Oracle Fusion Middleware Infrastructure 12c (12.2.1.4.0) Java Version jdk1.8.0_xx (jdk1.8.0_281) Oracle Linux 7.5 64-bit
10	OAM	Security	Oracle Access Manager 12.2.1.4.0

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
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	OBP 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	OBP 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 Analytics Server is required at the time of OBP installation. It is required to use the actual OAS property values during the installation. This is required as the installer uploads the OBP reports as onto the OAS server as part of the middleware host installation process.
	ODI_OUTBOUND_USERNAME and ODI_OUTBOUND_PASSWORD
	The OBP installer will not abort the installation if this component is not present. It can be installed later.
3	However, it is strongly recommended to use the actual property values instead of default property values during the installation.
	Else, the actual values for ODI_OUTBOUND_USERNAME and ODI_OUTBOUND_ PASSWORD once available have to be manually updated in the 'ra/FCRJConnectorODI' jndi property of com.ofss.fc.app.connector.ear application inside middleware host server after the entire installation completes.
	The OBP installer will not abort the installation if this component is not present. It can be installed later.
4	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
5	The OBP installer will not abort the installation if this component is not present. It can be installed later.

Serial Number	Description
	It is recommended to use the actual property values instead of default property values during the installation. Else, these properties have to be manually updated in Host Database. Also, actual values for OIM_OUTBOUND_USERNAME and OIM_OUTBOUND_PASSWORD once available have to be manually updated in the 'ra/FCRJConnectorOIM' jndi property of com.ofss.fc.app.connector.ear application inside middleware host server after the entire installation completes.
6	Oracle Access Manager can be installed later.
7	During installation, password of unix user will be asked multiple times for "scp" "ssh". There is a time limit for entering password. If not entered within specified limit, the installation is likely to exit. User should take care of this.
8	It is mandatory for machine nodes on which OBP UI, Host, and SOA Media pack installation is planned, to install the Java Cryptography Extensions Unlimited Strength Jurisdiction Policy Files, to enable additional encryption strengths.
	Download the jce_policy.zip from Oracle website for the current Java version being used. For jdk1.8.0_xx, download 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 OBP 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 OBP 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 OBP application binaries.
12	It is mandatory for SOA Suite to be installed in machine nodes on which OBP 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 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 OBP Installer. The following is required to run OPatch.

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

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

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

The installation steps are as follows:

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

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

cd ../JPype1-0.5.7

python setup.py install

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

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

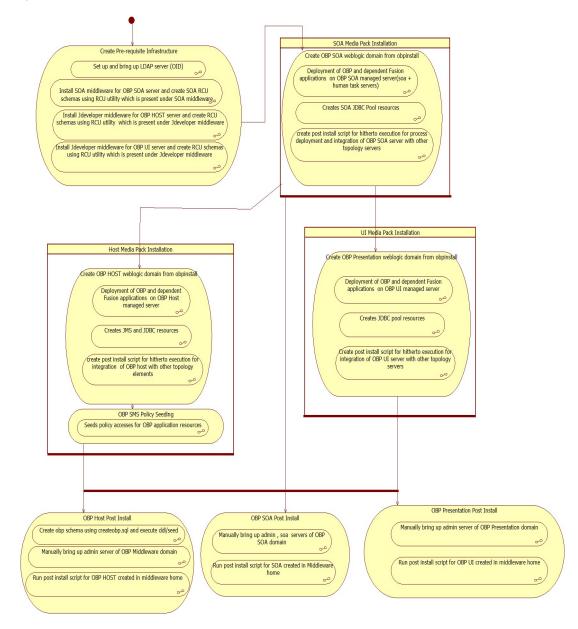
For example, url: http://<Ip>:<Port>/com.ofss.fc.webservice/services/sms/TransactionBlackoutApplicationServiceSpi ?wsdl

- 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 Platform:





2.4 Installation Checklist

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

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

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

Changes necessary at a system level for the fusion middleware should be made prior to executing OBP 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/en/middleware/fusion-middleware/12.2.1.4/sysrs/system-requirements-and-specifications.html#GUID-F800C79F-A8CA-4A80-A4E9-97BC8E264889

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, applicable for XD media pack installation only.

Sr. No.	Name	Value	Description
1	XD_COMPONENT_ NAME	batchhost	Value for batch host sever, Policy seeding and OAS 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	obedmhost	Value for obec server (Collection and Recovery)
5	XD_COMPONENT_ NAME	obpmhost	Value for obpm server (Party)
6	XD_COMPONENT_ NAME	obeprhost	Value for obpr server (Pricing)
7	XD_COMPONENT_ NAME	oblshost	Value for oblending server (Loan)
8	XD_COMPONENT_ NAME	obdlochost	Value for obdeposits server (Deposits)
9	XD_COMPONENT_ NAME	obccmhost	Value for obccm server (LCM)
10	XD_COMPONENT_ NAME	obpui	Value for OBP UI server
11	XD_COMPONENT_ NAME	obpsoa	Value for OBP SOA

Table 2–4 XD Components

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 exported to generate	0	

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

Sr. N o.	Name	Description	Example Value	Value
		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	WEBLOGIC_ USERNAME	Username for weblogic domain	weblogic	
15	WEBLOGIC_ PASSWORD	Password for weblogic domain	weblogic1	
16	ADMIN_SERVER_ LISTEN_ADDRESS	Admin server listen address	10.180.84.110 (Do not use localhost)	
17	ADMIN_SERVER_ LISTEN_PORT	Admin server listen port	7001	
18	ADMIN_SERVER_ SSL_LISTEN_PORT	Admin server SSL listen port	7002	
19	MANAGED_ SERVER_LISTEN_ ADDRESS	Managed server listen address	10.180.84.110	
20	MANAGED_ SERVER_LISTEN_ PORT	Managed server listen port	8001	
21	MANAGED_ SERVER_SSL_ LISTEN_PORT	SSL listen port for managed server	8002	
22	LDAP_PROVIDER	Refers to LDAP	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=c om	
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_281	
33	OUI_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 for OBP patching.	/scratch/app/product/jdk1.8.0_281	
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	16000	

Sr. N o.	Name	Description	Example Value	Value
		Processing Server 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	
84	LOCAL_ DATASOURCE	STB datasource schema name	COLLMW_STB	

Sr. N o.	Name	Description	Example Value	Value
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	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	Password of SOA OPSS schema name	welcome1	

Sr. N o.	Name	Description	Example Value	Value
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=7 5	
10 0	KEYSTORE_ PASSWORD	Password for generating certificate	welcome1	
10 1	IPM_OUTBOUND_ USERNAME	IPM Username created in connector	weblogic	
10 2	IPM_OUTBOUND_ PASSWORD	Password for the IPM user in connector	weblogic1	
10 3	BIP_OUTBOUND_ USERNAME	BIP Username created in connector	weblogic	
10 4	BIP_OUTBOUND_ PASSWORD	Password for the BIP user in	weblogic1	

Sr. N o.	Name	Description	Example Value	Value
		connector		
10 5	ODI_OUTBOUND_ USERNAME	ODI Username created in connector	weblogic	
10 6	ODI_OUTBOUND_ PASSWORD	Password for the ODI user in connector	weblogic1	
10 7	OIM_OUTBOUND_ USERNAME	OIM Username created in connector	weblogic	
10 8	OIM_OUTBOUND_ PASSWORD	Password for the OIM user in connector	weblogic1	
10 9	WCM_ OUTBOUND_ USERNAME	WCM Username created in connector	weblogic	
11 0	WCM_ OUTBOUND_ PASSWORD	Password for the WCM user in connector	weblogic1	
11 1	OFFLINE_ CHANNEL_ OUTBOUND_ USERNAME	Offline Username created in connector	offlineuser	
11 2	OFFLINE_ CHANNEL_ OUTBOUND_ PASSWORD	Password for the Offline user in connector	welcome1	
11 3	SAML_ISSUER_ OUTBOUND_ USERNAME	SAML ISSUER Username created in connector	weblogic	
11 4	SAML_ISSUER_ OUTBOUND_ PASSWORD	Password for the SAML ISSUER user in connector	weblogic1	
11 5	BPEL_ ENCRYPTION_ OUTBOUND_ USERNAME	BPEL_ ENCRYPTION Username created in connector	weblogic	
11 6	BPEL_ ENCRYPTION_ OUTBOUND_ PASSWORD	Password for the BPEL_ ENCRYPTION user in connector	weblogic1	

Sr. N o.	Name	Description	Example Value	Value
11 7	FTP_IPM_ OUTBOUND_ USERNAME	FTP IPM Username created in connector	weblogic	
11 8	FTP_IPM_ OUTBOUND_ PASSWORD	Password for the FTP IPM user in connector	weblogic1	
11 9	FTP_BIP_ OUTBOUND_ USERNAME	FTP BIP Username created in connector	weblogic	
12 0	FTP_BIP_ OUTBOUND_ PASSWORD	Password for the FTP BIP user in connector	weblogic1	
12 1	BIP_USR_ OUTBOUND_ USERNAME	BIP Username created in connector	weblogic	
12 2	BIP_USR_ OUTBOUND_ PASSWORD	Password for the BIP user in connector	weblogic1	
12 3	SOA_PURGING_ OUTBOUND_ USERNAME	SOA Username created in connector	weblogic	
12 4	SOA_PURGING_ OUTBOUND_ PASSWORD	Password for the SOA user in connector	weblogic1	
12 5	SOA_OUTBOUND_ USERNAME	SOA Username created in connector	weblogic	
12 6	SOA_OUTBOUND_ PASSWORD	Password for the SOA user in connector	weblogic1	
12 7	ATMUSER_ OUTBOUND_ USERNAME	ATM Username created in connector	ATMUser	
12 8	ATMUSER_ OUTBOUND_ PASSWORD	Password for the ATM user in connector	welcome1	
12 9	POSUSER_ OUTBOUND_ USERNAME	POS Username created in connector	POSUser	
13 0	POSUSER_ OUTBOUND_ PASSWORD	Password for the POS user in connector	welcome1	

Sr. N o.	Name	Description	Example Value	Value
13 1	DMSHOST_ OUTBOUND_ USERNAME	DMS HOST Username created in connector	weblogic	
13 2	DMSHOST_ OUTBOUND_ PASSWORD	Password for the DMS HOST user in connector	weblogic1	
13 3	DMSUI_ OUTBOUND_ USERNAME	DMS UI Username created in connector	weblogic	
13 4	DMSUI_ OUTBOUND_ PASSWORD	Password for the DMS UI user in connector	weblogic1	
13 5	OCH_OUTBOUND_ USERNAME	OCH Username created in connector	weblogic	
13 6	OCH_OUTBOUND_ PASSWORD	Password for the OCH user in connector	weblogic1	
13 7	WS_MFT_ OUTBOUND_ USERNAME	WS_MFT Username created in connector	weblogic	
13 8	WS_MFT_ OUTBOUND_ PASSWORD	Password for the WS_MFT user in connector	weblogic1	
13 9	OP_OUTBOUND_ USERNAME	OP Username created in connector	weblogic	
14 0	OP_OUTBOUND_ PASSWORD	Password for the OP user in connector	weblogic1	
14 1	ICS_OUTBOUND_ USERNAME	Username for ICS connector	weblogic	
14 2	ICS_OUTBOUND_ PASSWORD	Password for ICS connector	Weblogic1	
14 3	OBDX_ OUTBOUND_ USERNAME	Username for OBDX connector	1518675030085dean.white@test.com	
14 4	OBDX_ OUTBOUND_ PASSWORD	Password for OBDX connector	Welcome@1	
14 5	CARD_USERNAME	Username of Card connector	orakey	

Sr. N o.	Name	Description	Example Value	Value
14 6	CARD PASSWORD	Password of Card connector	welcome1	
14 7	RULE_USERNAME	Username of Rule connector	orakey	
14 8	RULE_PASSWORD	Password of Rule connector	welcome1	
14 9	BAM_USERNAME	Username of BAM connector	weblogic	
15 0	BAM_PASSWORD	Password of BAM connector	weblogic1	
15 1	COMMON_ OUTBOUND_ USERNAME	Username for common connector	Weblogic1	
15 2	COMMON_ OUTBOUND_ PASSWORD	Password for common connector	Weblogic1	
15 3	PM_OUTBOUND_ USERNAME	Username for PM connector	weblogic	
15 4	PM_OUTBOUND_ PASSWORD	Password for PM connector	weblogic1	
15 5	LENDING_ OUTBOUND_ USERNAME	Username for lending connector	weblogic	
15 6	LENDING_ OUTBOUND_ PASSWORD	Password for lending connector	weblogic1	
15 7	DEPOSITS OUTBOUND_ USERNAME	Username for deposits connector	weblogic	
15 8	DEPOSITS OUTBOUND PASSWORD	Password for deposits connector	weblogic1	
15 9	FW_OUTBOUND_ USERNAME	Username for FW connector	weblogic	
16 0	FW_OUTBOUND_ PASSWORD	Password for fw connector	weblogic1	
16 1	COLLECTION_ OUTBOUND_ USERNAME	Username for collection connector	weblogic	
16 2	COLLECTION_ OUTBOUND_ PASSWORD	Password for collection Connector	weblogic1	

Sr. N o.	Name	Description	Example Value	Value
16 3	OR_OUTBOUND_ USERNAME	Username for OR connector	weblogic	
16 4	OR_OUTBOUND_ PASSWORD	Password for OR connector	weblogic1	
16 5	PARTY_ OUTBOUND_ USERNAME	Username for Party connector	weblogic	
16 6	PARTY_ OUTBOUND_ PASSWORD	Password for Party connector	weblogic1	
16 7	PRODPROC_ OUTBOUND_ USERNAME	Username for PRODPROC connector	weblogic	
16 8	PRODPROC_ OUTBOUND_ PASSWORD	Password for PRODPROC connector	weblogic1	
16 9	RECOVERY_ OUTBOUND_ USERNAME	Username for Recovery connector	weblogic	
17 0	RECOVERY_ OUTBOUND_ PASSWORD	Password for Recovery connector	weblogic1	
17 1	PRICING_ OUTBOUND_ USERNAME	Username for Pricing connector	weblogic	
17 2	PRICING_ OUTBOUND_ PASSWORD	Password for Pricing connector	weblogic1	
17 3	LCM_OUTBOUND_ USERNAME	Username for LCM connector	weblogic	
17 4	LCM_OUTBOUND_ PASSWORD	Password for LCM connector	weblogic1	
17 5	MDM_OUTBOUND_ USERNAME	Username for MDM connector	weblogic	
17 6	MDM_OUTBOUND_ PASSWORD	Password for MDM connector	weblogic1	
17 7	COMMUNICATION S_OUTBOUND_ USERNAME	Username for COMMUNICATIO NS connector	weblogic	
17 8	COMMUNICATION S_OUTBOUND_ PASSWORD	Password for COMMUNICATIO NS connector	weblogic1	

Sr. N o.	Name	Description	Example Value	Value
17 9	APPCAPTURE_ OUTBOUND_ USERNAME	Username for APPCAPTURE connector	weblogic	
18 0	APPCAPTURE_ OUTBOUND_ PASSWORD	Password for APPCAPTURE connector	weblogic1	
18 1	EDN_OUTBOUND_ USERNAME	Username for EDN connector	weblogic	
18 2	EDN_OUTBOUND_ PASSWORD	Password for EDN connector	weblogic1	
18 3	EJBSUBJECT_ USERNAME	Username for EJBSUBJECT connector	weblogic	
18 4	EJBSUBJECT_ PASSWORD	Password for EJBSUBJECT connector	weblogic1	
18 5	USER_TIMEZONE	Time zone entry	+5:30	
18 6	HOST_SSL_ PASSWORD	Password for configuring SSL in HOST domain	welcome1	

Table 2–6 This table lists the values for updating installobp***.properties - SOA properties

Sr. No.	Name	Description	Example Value	Value
1	SILENT_INSTALL	Flag for executing installer remotely	У	
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 of	10.180.84.111	

Sr. No.	Name	Description	Example Value	Value
		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 service	6250	

Sr. No.	Name	Description	Example Value	Value
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 server	10.180.84.112	
43	HUMANTASK_	Listen port of	9001	

Sr. No.	Name	Description	Example Value	Value
	SERVER_LISTEN_ PORT	humantask server		
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 server	10.40.80.141	
55	OBEDM_HOST_ MANAGED_SERVER_ LISTEN_PORT	Listen port of obedm managed	8003	

Sr. No.	Name	Description	Example Value	Value
		server		
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	
65	OBDLOC_HOST_ MANAGED_SERVER_ LISTEN_PORT	Listen port of obdloc managed server	8003	
66	OBEPR_HOST_ MANAGED_SERVER_	Listen address of	10.180.4.113	

Sr. No.	Name	Description	Example Value	Value
	LISTEN_ADDRESS	obepr managed server		
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 the weblogic node manager. This port should either be free on the UI	5556	

Sr. No.	Name	Description	Example Value	Value
		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 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	/scratch/app/product/jdk1.8.0_281	

Sr. No.	Name	Description	Example Value	Value
		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 solution.	ofssobp	
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 -	

Sr. No.	Name	Description	Example Value	Value
			Dobp.http.socketBufferSize=8192 - Dobp.http.maxConnectionsPerHost=20 - Dobp.http.expireAndRetry=true - Dobp.http.maxConnectionsPerHost=150 - Dobp.http.connectionTimeout=90000 - Dobp.http.connectionRequestTimeout=90000 -Dobp.http.idleTimeoutPollInterval=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 configuring SOA domain	8	
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	

Sr. No.	Name	Description	Example Value	Value
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	
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	

Sr. No.	Name	Description	Example Value	Value
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	
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	/scratch/app/product/fmw/bi	

Sr. No.	Name	Description	Example Value	Value
		Home directory on BIP server		
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	

Table 2–7 This table lists the values for updating installobp***.properties - UI properties

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		Y	
5	LOCAL_IP	I/P address of the local	10.180.84.111	

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Sr. No.	Name	Description	Example Value	Value
		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	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	
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	

Sr. No.	Name	Description	Example Value	Value
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	
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	

Sr. No.	Name	Description	Example Value	Value
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	
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 ldap.	cn=Groups,dc=in,dc=oracle,dc=com	
51	OID_USER_ DSN	The DSN used for object class Users in the OID ldap.	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	5556	

Sr. No.	Name	Description	Example Value	Value
		manager should be installed to listen on this port when the same is started		
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 can be transferred. The user id of the use used for installation of OBP should have read, write and execute privileges on this directory.	/scratch/install/target	
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_281	
59	OUI_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 for OBP patching.	/scratch/app/product/jdk1.8.0_281	
60	CENTRAL_ INVENTORY_ LOC	Refers to the path of central inventory. This path is used for oui patching.	/scratch/app/oraInventory	

Sr. No.	Name	Description	Example Value	Value
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	
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 Manager Listen Port	16000	
75	OFSAA_ SERVER_IP	OFSAA Server i/p address	ofsaa-ofss.com	
76	OFSAA_ SERVER_PORT	OFSAA Server listen port	17000	
77	UI_ADMIN_	UI domain admin JVM	-Xms2048m -Xmx4096m	

Sr. No.	Name	Description	Example Value	Value
	JVM_PARAMS	startup parameters		
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_PORT	Listen port of SOA Admin server	7001	

Sr. No.	Name	Description	Example Value	Value
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	
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	

Sr. No.	Name	Description	Example Value	Value
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 home of the weblogic installation on the SOA server.	/scratch/app/product/fmw	
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 Oracle Banking Platform DB and WebLogic Domain Configuration

Sr. No.	Name	Description and Example	Value
UI and Host Linux user login details			
1.	UI / Presentation Linux server user id	This is same as INSTALL_AS captured in the checklist above.	
2.	UI / Presentation Linux	Password for the user specified	

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

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

2.5 OID Schema Setup – Custom OBP Schema

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

2.5.1 Prerequisite – OID setup

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 OBP 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=subconfigsubentry
changetype: modify

replace: orclgeneratechangelog

orclgeneratechangelog: 0

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

changetype: modify

replace: orclldapconntimeout

orclldapconntimeout: 60

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

changetype: modify

replace: orclmatchdenabled

orclmatchdenabled: 0

3. See the OID Tuning Guide available at: https://docs.oracle.com/en/middleware/fusionmiddleware/12.2.1.4/asper/oracle-internet-directory-performance-tuning.html#GUID-C3FC1F74-71B7-4F20-B24F-0B5D589D9B19

OPSS Tuning

The steps to perform advanced OPSS tuning are as follows:

1. IDM Database recommendations

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

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

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

b. Redo log file.

Allocated Disk Space for Redo Log Files

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

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

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

c. Undo tablespace.

Increase Disk Space Allocated for UNDO Tablespace

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

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

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

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

b. Add following properties:

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

```
<propertySet name="props.db.1">
<property name="authorization cache enabled"</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
eqy" 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
eqy" value="NONE"/>
<property
name="oracle.security.jps.policystore.policy.cache.size"
value="1000000"/>
<property
name="oracle.security.jps.policystore.refresh.enable"
value="true"/>
<property
name="oracle.security.jps.policystore.refresh.purge.time
out" value="43200000"/>
<property
```

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

3. adf-config.xml (optional)

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

4. setDomainEnv.sh

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

Property	Description			
-Djps.combiner.optimize=true	This system property is used to cache the protection domains for a given subject. Setting – Djps.combiner.optimize=true can improve Java authorization performance.			
- Djps.combiner.optimize.lazyeval=true	This system property is used to evaluate a subject's protection domain when a checkPermission occurs. Setting - Djps.combiner.optimize.lazyeval=true can improve Java authorization performance.			
-Djps.policystore.hybrid.mode=false	This 'hybrid mode' property is used to facilitate transition from SUN java.security.Policy to OPSS Java Policy Provider.			
-Djps.authz=ACC	Delegates the call to JDK API AccessController.checkPermission which can reduce the performance impact at run time or while debugging.			
DUSE_JAAS=false				
Djps.auth=ACC	Delegates the call to JDK API AccessController.checkPermission which can reduce the performance impact at run time or while debugging			
Djps.auth.debug=false	Turn off debugging. This is turned on to debug access denied errors.			
	JPS uses a Subject Resolver to convert a platform subject to JpsSubject which contains user/enterprise-role information, as well as ApplicationRole information. This information is represented as principals in the subject.			
Djps.subject.cache.key=5	Value = 5: Instead of using the whole subject as the key, this settings uses a subset of the principal set inside the subject as the key (actually use principals of WLSUSerImpl type).			
	This setting will accelerate the cache retrieval operation if			

Table 2–11 Properties

Property	Description	
	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 ir 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 OBP 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 OBP.

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

Note

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

- 1. Extract the '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.ldif

```
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 Platform specific LDIF files can be verified using JXplorer.

Figure 2–2 JXplorer

🚸 JXplorer -		_		×
File Edit View Bookmark Search LDIF Options Tools Security Help				
S S 😂 1 🗈 🖻 🛍 🔳 🗙 D 📼 🚸 🖷)	a ~ = ~	Quick Se	earch
Explore 🆓 Results 🖓 Schema	HTML View	Table Editor		
World ● oracle ● oracle ● oracle ● oracle ● oracle ● OracleContext ● oraclamin ● OracleContext ● oracle ● OracleContext ● oracleContext ● subconfigsubentry ● oracleContext	simple.html	 com domain top 		
cn=Users,dc=in,dc=oracle,dc=com: (3)				

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3 OBP Localization SOA Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Platform 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 OBP Localization SOA Media Pack.

3.1.1 Preparatory Steps

This section lists the preparatory steps required for the OBP 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 OBP 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 OBP Database Setup – RCU Installation.

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

Step 3 OS Level Tuning

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

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

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

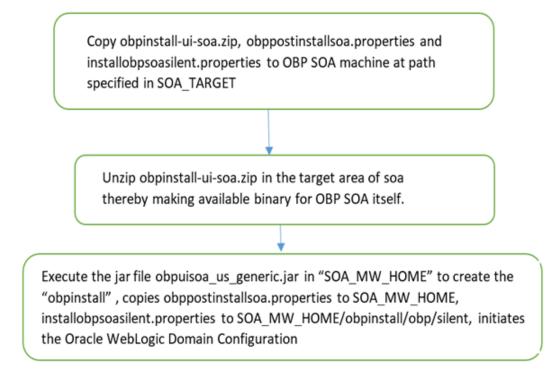
http://www.oracle.com/technetwork/database/availability/maa-fmwsharedstoragebestpractices-402094.pdf

3.1.3 Installation Steps

This section lists the installation steps required for the OBP 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.

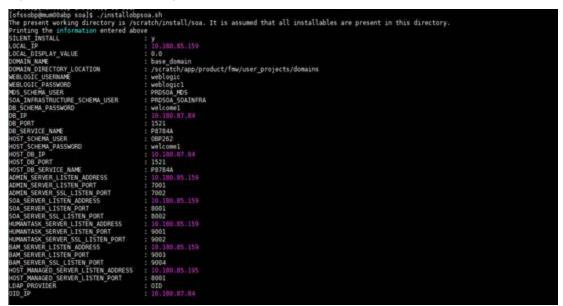




A sample output is given here.

./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/jdkl.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
and the product of the state of	

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-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-soa.zip







Figure 3–8 Domain Creation Confirmation



3.2 Post Installation Configuration

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

Checklist for Post Installation Procedure

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

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

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

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

Node Manager Port.

\$netstat -na | grep 5556

Post Installation Configuration

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

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

- 2. Enter the username and password when prompted.
- 3. Start the managed server soa_server1.

```
cd <middleware home>
cd user_projects/domains/obpsoadomain/bin
./startManagedWebLogic.sh soa_server1 t3://localhost:<admin_
server_port>
```

Note

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

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

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

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

```
$cd <soa middleware home>
```

Then execute following script:

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

A sample output is given here:

Figure 3–9 Starting Post Installation

<pre>[ofssobp@mum00abp fmw]\$./obp-soa-pd</pre>	
DOMAIN_NAME	: base_domain
DOMAIN_DIRECTORY_LOCATION	: /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME	: weblogic
WEBLOGIC_PASSWORD	: weblogic1
ADMIN_SERVER_LISTEN_ADDRESS	: 10,180.85.159
ADMIN_SERVER_LISTEN_PORT	: 7001
SOA_SERVER_LISTEN_ADDRESS	: 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	: 100.180.82.195
HOST_MANAGED_SERVER_LISTEN_PORT LDAP_PROVIDER	
OID IP	: 10.180.87.84
OID_IP OID_PORT	2 389
OID ADMIN USER	. soa : cn=orcladmin
OID_ADMIN_OSEK	· cl=orctadmin
OID GROUP DSN	. we coups, dc=in, dc=oracle, dc=com
OID USER DSN	: cn=Users, dc=in, dc=oracle, dc=com
NODE MGR PORT	: 5556
SOA IP	10.180.85.159
SOA CLUSTER NAME	: objsoa clusterl
SOA SERVER NAME	soa serverl
HUMAN TASK CLUSTER NAME	: obphumantask cluster1
HUMAN TASK SERVER NAME	: obphumantask server1
SOA TARGET	: /scratch/install/target
SOA JAVA HOME	: /scratch/app/product/jdk1.8.0 101
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	
SOA_HUMANTASKSERVER_JVM_PARAMS	: -Djbo.ampool.doampooling= <mark>false</mark> -Xms4096m -Xmx6084m -XX:NewSize=512m -XX:MaxNewSize=2048m -XX:+UseParNewGC -XX:+
CMSParallelRemarkEnabled -XX:+UseCor	icMarkSweepGC -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= <mark>false</mark> -Xms4096m -Xmx6084m -XX:NewSize=512m -XX:MaxNewSize=2048m -XX:+UseParNewGC -XX:+
CMSParallelRemarkEnabled -XX:+UseCond	MarkSweepGC -XX:CMSInitiatingOccupancyFraction=75 -Dobp.http.maxRetryCount=1 -Dobp.http.socketBufferSize=8192 -Do
bp.http.maxConnectionsPerHost=20 Dob	op.http.expireAndRetry=true -Dobp.http.maxConnectionsPerHost=150 -Dobp.http.connectionTimeout=600000 -Dobp.http.id
leTimeoutPollInterval=10000 -Dobp.htt	
	: welcomel
	: 10.180.85.196
UI_MANAGED_SERVER_LISTEN_PORT	
	: 08
DEFAULT_TRANSACTION_BRANCH_CODE	
DEFAULT_TARGET_UNIT	: OBP_BU
	: orakey
CARD_PASSWORD	: welcomel
RULE_USERNAME	: orakey
RULE_PASSWORD	: welcomel
USER_TIMEZONE	: +5:30
REMOTE_EXECUTION	: Y
BAM_INSTALLATION	: N
DB_SCHEMA_PASSWORD	: welcomel
DB_IP	: 10.180.87.84
DB_PORT	: 1521
DB SERVICE NAME	: P8784A
IPM USERNAME	: weblogic
	: weblogic1
FTP IPM USERNAME	: ofssobp
	: ofssobp123
FTP_IPM_BATCH_USERNAME	
	: ofssobp123
	the information printed above in detail.
If the above mentioned information is	s correct, please enter Y or y to proceed. Press any other key to exit the installation.

Figure 3–11 Starting Post Installation (contd)

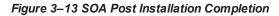
Please take your time and go through the information printed above in detail. If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the v	e installat	tion.		
y Post-installation will begin in sometime The authenticity of host '10.180.6.143 (10.180.6.143)' can't be established.				
RSA key fingerprint is 36:d8:26(28:3)fd1:3:445(10:100.0.143)				
Are you sure you want to continue connecting (yes/no)? yes Warning: Permanently added '10.180.6.143' (RSA) to the list of known hosts.				
varining, Permanenticy added 15.155.5.145 (KSA) to the first of known hosts.				
ilsnap v3.jar	100%	904KB	904.4KB/s	00:00
il8nAPI_v3.jar copied from BIP machine				
ofssobp@10.180.6.143's password:				
xdocore.jar	100%	9060KB	8.9MB/s	00:00
xdocore.jar copied from BIP machine ofssobp@10.180.6.143's password:				
versionifo.jar	100%	6204KB	6.1MB/s	00:00
versioninfo.jar copied from BIP machine		020410	0.1110/0	
ofssobp@10.180.6.143's password:				
imaging-client.jar	100%	863KB	863.3KB/s	00:00
imaging-client.jar copied from IPM machine				
ofssobp@10.180.6.143's password: oracle.ucm.ridc-11.1.1.jar	100%	GIOKE	618.9KB/s	00:00
oracle.ucm.ridc-11.11.jar copied from IPM machine	100%	OTAKP	010.900/5	00.00
base domain				

** Setting up SOA specific environment				

EXTRA_JAVA_PROPERTIES= -da:org.apache.xmlbeans				
LD_LIBRARY_PATH=::/scratch/app/product/fmw/wlserver/server/native/linux/x86_64:/scratch/app/product/fmw/wlserve	er/server/r	native/	linux/x86_6	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	4			
Verifying OBP_ORACLE_HOME /scratch/app/product/fmw/obpinstall/obp				
Buildfile: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/replace.xml				

Figure 3–12 Starting Post Installation (contd)

oduct/fmw/obpinstall/obp/ob.soa.process/metadata/replace.xm panding: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/Metadata_soa.zip into /scratch/app/product/fmw/obpinstall/obp/o metadata/metadata 2101 Expanding: /scratch/app/product/tmw/obpinstall/obp/ob.soa.process/metadata/Metadata_soa.zip into /scratch/app/product/tmw/obpinstatc/obp/ob jar] Expanding: /scratch/app/product/tmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar into /scratch/app/product/fmw/obpinstatc/obp/ob obp/ob.soa.process/metadata/metadata/metadata/sharedResources ete] Deleting: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar jar] Building jar: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar 2101 Building zip: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar 2101 Building zip: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar 2101 Building zip: /scratch/app/product/fmw/obpinstall/obp/ob.soa.process/metadata/metadata/sharedResources.jar SUCCESSFUL time: 10 seconds 2: BPELRecoveryConfig.zip ating: recoveryconfig.sh ating: BPELRecoveryConfig.jar g RecurringScheduleConfig.maxMessageRaiseSize from 50 to 0 g StartupScheduleConfig.maxMessageRaiseSize from 50 to 0 anagement.openmbean.CompositeDataSupport(compositeType=javax.management.openmbean.CompositeType(name=RecurringScheduleConfig,items=((i geRaiseSize,itemType=javax.management.openmbean.Simp[eType(name=java.lang.Integr),(itemName=startWindovTime,itemType=javax.management LeType(name=java.lang.String)),(itemName=stopWindovTime,itemType=java.lang.Long.ontegr),(itemName=startWindovTime,itemType=javax.management LeType(name=java.lang.String)),(itemName=stopWindovTime,itemType=java.lang.Long)),(itemName=thresNholdTimeInters LangLeType(name=java.lang.Integer)))),contents={maxMessageRaiseSize=0, startWindovTime=00:00, stopWindovTime=23:59, subsequentTriggerDe JdTimEIntMintes=101),contents={maxMessageRaiseSize=0, startWindovTime=00:00, stopWindovTime=23:59, subsequentTriggerDe eduleConfig.items=((item anagement.openmbean.CompositeDataSupport(compositeType=javax.management.openmb mType=javax.management.openmbean.CompositeType(name=ClusterConfig,items=((item (name=java.lang.Long)),(itemName=heartBeatInterval,itemType=javax.management.o itemType=javax.management.openmbean.SimpleType(name=java.lang.Long)),(itemName va.lang.Long)),(itemName=nodeReapThreshold,itemType=javax.management.openmbean temType=javax.management.openmbean.compositeType(name=java.lang.Long)), SimpleType(name=java.lang.Integer)),(itemName=tartWindowTime,itemType=javax. modvTime,itemType[java.lang.String) impleType(name=java.lang.Long)),(itemName=threshHoldTimeInHinutes,itemType(name= n.CompositeType(name=RecoveryConfig,items=((itemName=ClusterCo me=clusterDbTimeRefresh,itemType=javax.management.openmbean.Si nmbean.SimpleType(name=java.lang.Long)),(itemName=masteAliveTh odeReapInterval,itemType=javax.management.openmbean.SimpleType ampleType(name=java.lang.Long))))),(itemName=RecurringSchedule ms=((itemName=maXMessa@FalseSize.jtemType=iavax.management. Granme=java.tanganaggmbitter. temType=java.tanganaggmbitter. vxl.argiter.jpeinaggmbitter.jpe=javax.managembit xxtessagetaiseSize,itemType=javax.managembit m.SimpleType(name=java.lang.string),(its uentTriggerDelay,itemType=java.managembitter. triggerDelay.itemType=java.lang.triggerDi SimpleType(name=java.lang.triggerDi SimpleType(name=java.lang.triggerDi SimpleType(name=java.lang.triggerDi SimpleType(name=java.lang.triggerDi SimpleType(name=java.lang.triggerDi SimpleType(name=java.lang.triggerDi SimpleType(name=java.lang.triggerDi SimpleType(name=java.lang.triggerDi SimpleType(name=java.lang.triggerDi SimpleType) ax.management.oper ong)),(itemName=nc ement.openmbean.Si String)).(itemN mType=javax.management.open me=java.lang.Long)),(itemNa eduleConfig,itemType=javax.n ax.management.openmbean.SimpleType(n StartupScheduleConfig,items=((itemNa es,itemType= ositeType(na nt.ope



[java]
[java] <operator>IN</operator>
[java] <valuelist></valuelist>
[java] <value>http://process.workflow.fc.ofss.com/PerformSettlement/PerformSettlementProcess</value>
[java] <value>http://xmlns.oracle.com/process/com.ofss.fc.approval.SettlementInstructionSpi_ConfirmSkipSettleInstructions/</value>
HT_SettlementInstructionSpi_ConfirmSkipSettleInstructions
[java] <value>http://xmlns.oracle.com/process/com.ofss.fc.approval.SettlementInstructionSpi_SubmitSettlementInstruction/HT</value>
_SettlementInstructionSpi_SubmitSettlementInstruction
[java] <value>http://xmlns.oracle.com/process/com.ofss.fc.approval.SettlementPayoutSpi_DisburseFunds/HT_SettlementPayoutSp</value>
i_DisburseFunds [java]
[java]
[java] [java] <viewordering></viewordering>
[java] <viewordering> [java] <clause xmlns="http://xmlns.oracle.com/bpel/workflow/taskQuery"></clause></viewordering>
[]ava] <ctabse xmtns="nttp://xmtns.oracte.com/oper/work100/Laskquery"> []ava] <column>createdbate</column></ctabse>
[]ava]
[]ava] SolitoreirAstenoundysolitoreir []ava] «nullFirstFalsek-nullFirst
[]ava]
[]ava] ∪cutuse []ava] ∪cutuse
[]ava] <grantees <br="">[]ava] <grantee granttype="SHARE DEFINITION" type="GROUP"></grantee></grantees>
[javo] <grantee <br="" grantrype="" ond_collation="" onour="" type="">[java] <realm mins="http://wins.oracle.com/bel/workflow/common">jazn.com</realm></grantee>
[java] <new minis="http://minis-oracle.com/papel/workflow/common">dom/common">dom/common">dom/common">dom/common"></new>
[java]
[java]
[java]
[java]
laval
[java] [SUCCESS] :: createUserTaskView succeeded for viewName: Settled
BUILD SUCCESSFUL
Total time: 4 seconds
Certificate stored in file <mum00abp.in.oracle.com.cer></mum00abp.in.oracle.com.cer>
Certificate was added to keystore
Certificate was added to_keystore
[ofssobp@mum00abp fmw]\$

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

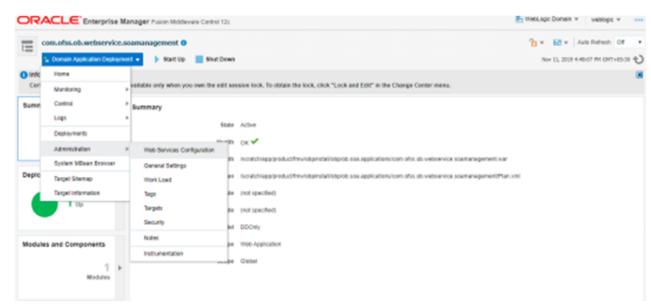
- 7. SyncMaxWaitTime value from 45 to 600.
 - a. Log in to SOA EM and click on base_domain > System Mbean Browser > Application Defined Mbeans > oracle.as.soainfra.config > Server: soa_server1 > BPELConfig > bpel.

Figure 3–14 System MBean Browser

base_domain • WebLogic Domain • omain_base_domain/base_domain > System ystem MBean Browser	m MBean E	lrowser			Jul 16, 2020 3:31:54 PM	GMT+05:3	
8 Y 8	Applic	ation Defined MBeans: E	BPELConfig:bpel		A	apply R	tever
	The	ormation changes made on this mbean ar ow MBean Information	re not managed by the configuration session. The changes will	be applied	immediately. You cannot undo the changes from the Char	nge Cente	x.
in oracle.as.jmx in oracle.as.soa.iws	Attribu	tes Operations Notifications					
in oracle.as.soa.ivs in oracle.as.soainfra.bpel		tes Operations Notifications	Description	Access	Value		
oracle.as.soa.lws oracle.as.soa.infra.bpel oracle.as.soainfra.bpm.default			Description Number of messages to recover during startup recovery	Access RW	Value 50		•
in oracle.as.soa.ivs in oracle.as.soainfra.bpel	29	Name StartupMaxMessageRaiseSize					•
	29 30	Name StartupMaxMessageRaiseSize	Number of messages to recover during startup recovery	RW	50		1
foracle as soa livs foracle as soa livs foracle as soa lints bpel foracle as soainfra bpm default foracle as soainfra config foracle as soainfra config	29 30 31	Name StartupMaxMessageRaiseSize StatsLastN	Number of messages to recover during startup recovery The size of the "most recently processed" request list	RW	50 -1)
	29 30 31 32	Name StartupMaxMessageRaiseStze StatsLastN SyncMaxWaitTime SystemMBean	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	50 -1 200 faise)
	29 30 31	Name StartupMaxMessageRaiseStze StatsLastN SyncMaxWaitTime SystemMBean	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 -1 505	~)

- 8. Restart clean SOA admin, SOA managed 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. 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.scamanagement 0	Nav 11, 1	2018 4-55-09 PH GHT+05-30 4
Domain_base_domain/base_domain/com after ab webservice assemanagement + Web Service Configuration + WSM Policy Subject O	Configuration	
WSM Policy Subject Configuration		
Subject Name SOAManagementServiceFort (WebLopic Web Service)		
Select an expression how the Constraint drapdown to view the corresponding effective policy references. For policy set flagged as 'N references are incalculated.	of Valid", click the link to view the validation error details. When policies are attached	Edulacived, effective policy
Constraint None		Status Secure
Globally Attached Policies		
Globally Attached Policies CategoryPolicy Name	Policy Set	Enabled
	Policy Set	Enabled
Category/Policy Name No rows pet	Policy Set	Enabled
Category/Policy Name No rows pet	Policy Set	Enabled
Category/Policy Name No rows yet Directly Attached Policies		Enabled
No rove yet Directly Attached Policies Wer v @ Attached Policies \County Deather \County Effective Only @ All		

4 OBP Localization Host Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Platform 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 OBP Localization Host Media Pack.

4.1.1 Preparatory Steps

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

Step 1 Procuring Installables

Download the appropriate host media pack from the following location:

http://edelivery.oracle.com/

Step 2 Extracting the Installables

Copy the 'obpus-host.zip' or 'obpau-host.zip' 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 OBP Localization Host Media Pack installation. The procedure can be started after SOA pre-installation steps are executed.

XD Components

Note: The following information is applicable for XD media pack installation only.

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

The following table lists the XD components.

Sr. No.	Name	Value	Description
1	XD_COMPONENT_NAME	batchhost	Value for batch host sever, Policy seeding and BIP (OAS) 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	obedmhost	Value for OBEC server (Collection and Recovery)
5	XD_COMPONENT_NAME	obpmhost	Value for OBPM server (Party)
6	XD_COMPONENT_NAME	obeprhost	Value for OBPR server (Pricing)
7	XD_COMPONENT_NAME	oblshost	Value for obledning server (Loan)
8	XD_COMPONENT_NAME	obdlochost	Value for obdeposits server (Deposits)
9	XD_COMPONENT_NAME	obeohost	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
obedmhost	/scratch/app/product/fmw_coll	obec_ domain	obec_server1/obec_ cluster1
obpmhost	/scratch/app/product/fmw_party	obparty_ domain	obparty_ server1/obparty_ cluster1
obeprhost	/scratch/app/product/fmw_pr	obpr_domain	obpr_server1/obpr_ cluster1
oblshost	/scratch/app/product/fmw_loan	oblending_ domain	oblending_ server1/oblending_

Table 4–2 Examples of FMW Dir Name, Domain Name, Server Name and Memo	ary Daramatore
Table 4-2 Examples of Filly Dif Name, Domain Name, Server Name and Memo	$J \neq ratattetets$

XD Component Name	MW_HOME	Domain Name	Server Name or Cluster Name
			cluster1
obdlochost	/scratch/app/product/fmw_deposits	obdeposits_ domain	obdeposits_ server1/obdeposits_ cluster1
obccmhost	/scratch/app/product/fmw_occm	occm_ domain	occm_server1/occm_ cluster1

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: (Applicable for XD media pack installation only)
 - 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 and XD components.

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 OBP 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.

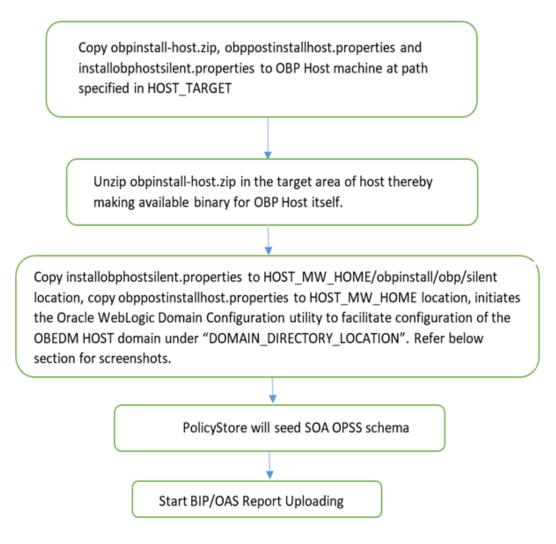
- OID_DOMAIN_NAME in installobphost.properties should match with the OID_DOMAIN_NAME given in installobpui.properties. Any other domain with the same name must not exist in OID. The domain in OID will be created in host pre-install.
- OBP_HOST_DB_USER and BIP_DATASOURCE_NAME must be same in installobphost.properties.
- 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 OBP 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
DIM OUTBOUND USEFWAME	z weblogic
OIM OUTBOUND PASSWORD	: weblogscl
WCM OUTBOUND USERNAME	: weblogic
WCH_OUTBOUND_PASSWORD	t weblogic]
OFFLINE_CHANNEL_OUTBOUND_USERNAME	t offlineuser
OFFLINE CHANNEL OUTBOUND PASSWORD	: welcome1
SAM. ISSUER OUTBOUND USERNAME	: weblogic
SAME ISSUER OUTBOUND PASSWORD	: weblogicl
RPEL ENCRYPTION OUTBOUND USERNAME	s weblogs:
BPEL ENCRYPTION OUTBOUND PASSWORD	: weblagscl
FTP_TPM_OUTBOUND_USERNAME	t weblogs:
FTP IPH OUTBOUND PASSWORD	t weblogic1
B1P USA OUTBOUND USERNAME	r weblogic
BIP USR OUTBOUND PASSWORD	: weblogicl
SOA PURGING OUTBOUND USERNAME	: weblogsc
SOA PURGING OUTBOUND PASSWORD	: weblogic1
SOA OUTBOUND USERMAME	: weblogic
SOA OUTBOUND PASSWORD	: weblogic)
ATHUSER OUTBOUND USERNAME	ATMUSEr
ATHUSER OUTBOUND PASSWORD	: welcome1
POSUSER OUTBOUND USERNAME	POSUser

Figure 4–5 Verification of Properties (contd)

POSUSER OUTBOUND USERNAME	: POSUser
POSUSER_OUTBOUND_DERNAME	: POSSET : welcome1
DMSHOST OUTBOUND USERNAME	: wellouic
DMSHOST_OUTBOUND_OSERWARE	: weblogic1
DMSUI OUTBOUND USERNAME	: weblogic
DMSUI OUTBOUND PASSWORD	: weblogic1
OCH OUTBOUND USERNAME	: weblogici
OCH_OUTBOUND_PASSWORD	, weblogici : weblogici
KEYSTORE PASSWORD	: webtogeti : webtogeti
SOA IP	: Wetcomer : 10.180.85.159
SOA_UNIX_USER	
UI_MANAGED_SERVER_LISTEN_ADDRESS	
UI MANAGED SERVER LISTEN PORT	: 8001
CARD USERNAME	: orakey
CARD_PASSWORD	: velcome1
RULE_USERNAME	: orakey
RULE PASSWORD	: welcomel
BAM USERNAME	: weblogic
BAM PASSWORD	: weblogic1
USER TIMEZONE	: +5:30
HOST SSL PASSWORD	: welcome1
REMOTE EXECUTION	Y
SECURITY ENABLED	Y
Please take your time and go throu	gh the information printed above in detail.
If the above mentioned information	ugh the information printed above in detail. , 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

Figure 4–7 Confirmation and Copying of Installables to Target Machine (contd) Installation will begin in Silent Mode in sometime. Please wait for the first screen to come up ofssobp@10.180.85.195's password: --> /scratch/app/product/jdk1.8.0_101/bin/java -jar /scratch/install/target/obphost_generic.jar -silent ORACLE_HOME=/scratch/app/product/fmw/obpinstal l INVENTORY LOCATION=/scratch/app/oraInventory Launcher log file is /tmp/0raInstall2018-05-03_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 Installation Summary Disk Space : Required 827 MB, Available 295,999 MB Feature Sets to Install: OBP Host Server FeatureSet 2.6.2.0.0 Next Generation Install Core 13.2.0.0.0 OPatch 13.2.0.0.0

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

You can find the log of this install session at: /tmp/0raInstall2018-05-03_02-55-30PM/install2018-05-03_02-55-30PM.log

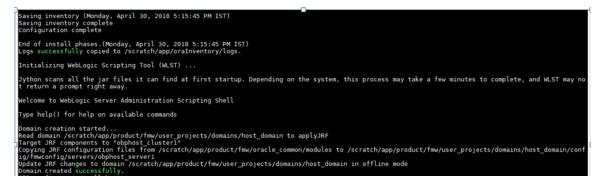
oading products list. Please wait.

oading products. Please wait.

	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)	
ython scans all the jar files it can find at first startup. Dep	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:	
ofssobp@10.180.85.195's password:	
ofssobp@10.180.85.195's password:	
PolicyStoreSetup/	
PolicyStoreSetup/lib/	
PolicyStoreSetup/lib/poi-3.10.1-20140818.jar	
PolicyStoreSetup/addMatrixbasedPolicis.sh	
PolicyStoreSetup/PolicyStoreDiagnosticsUtility.properties	
PolicyStoreSetup/PolicyStoreSetup.jar	
PolicyStoreSetup/Diagnosis/	
PolicyStoreSetup/README.txt	
PolicyStoreSetup/migratePolicies.sh	
PolicyStoreSetup/logs/	
PolicyStoreSetup/refreshPolicyStoreFromLatestApplicationDataMap.sh	
PolicyStoreSetup/RunPolicyStoreDiagnosis.sh	
PolicyStoreSetup/PolicyStoreSetup.sh	
PolicyStoreSetup/PolicyMigrator.sh	
PolicyStoreSetup/lib12212/	
PolicyStoreSetup/lib12212/eclipselink.jar	
PolicyStoreSetup/lib12212/jps-unsupported-api.jar	
PolicyStoreSetup/lib12212/ojdbc7.jar	
PolicyStoreSetup/lib12212/javax.persistence.jar	T
roccystoresetapy custating jurax.persistence.jur	
PolicyStoreSetup/lib12212/javax.persistence.jar	
PolicyStoreSetup/lib12212/jps-api.jar	
PolicyStoreSetup/lib12212/jps-api.jar PolicyStoreSetup/lib12212/identitystore.jar	
PolicyStoreSetup/lib/2212/identityStore.jar	
PolicyStoreSetup/lib12212/javax.faces.jsf-api.jar	
PolicyStoreSetup/lib12212/identitydirectory.jar	
PolicyStoreSetup/lib12212/jps-wls.jar	
PolicyStoreSetup/lib12212/adf-share-security.jar	
PolicyStoreSetup/lib12212/javax.security.jacc.jar	
PolicyStoreSetup/lib12212/identityutils.jar	
PolicyStoreSetup/lib12212/adf-controller-security.jar	
PolicyStoreSetup/lib12212/ojdl.jar	
PolicyStoreSetup/lib12212/osdt_xmlsec.jar	
PolicyStoreSetup/lib12212/org.openliberty.openaz.azapi_1.1.jar	
PolicyStoreSetup/lib12212/osdt_wss.jar	
PolicyStoreSetup/lib12212/jps-wls-trustprovider.jar	
PolicyStoreSetup/lib12212/jps-se.jar	
PolicyStoreSetup/lib12212/jps-az-rt.jar	
PolicyStoreSetup/lib12212/jps-patching.jar	
PolicyStoreSetup/lib12212/jps-common.jar	
PolicyStoreSetup/lib12212/jps-platform.jar	
PolicyStoreSetup/lib12212/osdt_saml.jar	
PolicyStoreSetup/lib12212/osdt_cert.jar	
PolicyStoreSetup/lib12212/jps-pep.jar	
PolicyStoreSetup/lib12212/jps-manifest.jar	
PolicyStoreSetup/lib12212/jps-mbeans.jar	
PolicyStoreSetup/lib12212/osdt_core.jar	
PolicyStoreSetup/lib12212/jps-az-management.jar	
PolicyStoreSetup/lib12212/wsm-policy-core.jar	
PolicyStoreSetup/lib12212/dms.jar	
PolicyStoreSetup/lib12212/osdt_ws_sx.jar	
PolicyStoreSetup/lib12212/jps-internal.jar	

off controllor convrite ion	1000	2255	2 2/0/5	00.00
adf-controller-security.jar	100%	2255	2.2KB/s 78.5KB/s	00:00 00:00
jps-ee.jar 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
jovak.seculity.jacc.jan jps-audit.jar	100%		891.6KB/s	00:00
adf-share-security.jar	100%		22.0KB/s	00:00
jps-sidm-api, jar		4326	4.2KB/s	00:00
jps-sidmiapi, jar jps-common, jar		4520 1519KB		00:00
dms.jar		2253KB		00:00
jps-internal.jar		6636KB		00:00
osdt saml2.jar			280.9KB/s	00:00
identityutils.jar			210.8KB/s	00:00
javax.faces.jsf-api.jar	100%		355.3KB/s	00:00
eclipselink.jar		8865KB		00:00
jps-az-common.jar			407.0KB/s	00:00
fmv audit.jar		1148	1.1KB/s	00:00
osdt wss.jar			186.4KB/s	00:00
osdt ws sx.jar			240.8KB/s	00:00
jps-az-management.jar	100%	314KB	314.4KB/s	00:00
oraclepki.jar	100%	295KB	295.4KB/s	00:00
ojdbcódms.jar		4325KB		00:00
UIComponentsDiagnosticHelper.sh	100%	167	0.2KB/s	00:00
README_UPGRADE.txt	100%	5060	4.9KB/s	00:00
jps-config.xml(db)	100%	4324	4.2KB/s	00:00
jps-config.xml	100%	4331	4.2KB/s	00:00
refreshMatrixAuthPolicies.sh	100%	39	0.0KB/s	00:00
PolicyMigrator.sh	100%	170	0.2KB/s	00:00
Connection to 10.180.85.195 closed.				
ofssobp@10.180.85.195's password:				
ofssobp@10.180.85.195's password:				
seedOIDDomain.sh		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 (OAS) Reports Upload

ofssobp@10.180.6.143's password: Marning: untrusted X11 forwarding setup failed: xauth key data not generated ofssobp@10.180.6.143's password: TDS901.xdvz 100% 51K8 54.7K8/s 00:00 TDS901.rtf TDS901.xdvz 100% 2168 2.1K8/s 00:00 TDS901.rtf 100% 2168 2.1K8/s 00:00 TDS901.rtf 100% 2168 2.1K8/s 00:00 CSWTTX00001.xdvz 100% 2168 64.0K8/s 00:00 CSWTTX00001.rtf 100% 42K8 64.0K8/s 00:00 PL001.rtf 100% 12K8 12.0K8/s 00:00 PL001.rtf 100% 12K8 12.0K8/s 00:00 PL001.rtf 100% 12K8 12.0K8/s 00:00 PL001.xdvz 100% 12K8 12.0K8/s 00:00 PL001.xdvz 100% 9K8 98.5K8/s 00:00 PL001.xdvz 100% 9K8 98.5K8/s 00:00 PL004/V.xdvz 100% 9K8 98.5K8/s 00:00 PL004.vdvz 100% 9K8 98.5K8/s 00:00 PL004.vdvz 100% 3K8 33.4K8/s 00:00 PL004.vdvz 100% 3K8 33.4K8/s 00:00 PL004.xdvz 100% 3K8 33.2K8/s 00:00 PL004.xdvz 100% 2K8 22.1K8/s 00:00 PL004.xdvz 100% 2K8 22.1K8/s 00:00 PL004.xdvz 100% 2K8 24.1K8/s 00:00 PL004.xdvz 100% 2K	BIP Reports are being uploaded now		
ofssobp@10.180.85.195's password: DS9601.vdb210.180.6.143's password: DS9601.vdb2 100% 13KB 12.8KB/s 00:00 DS9601.vdb2 100% 55KB 54.7KB/s 00:00 DS9601.vdb2 100% 2.1KB/s 00:00 DS9601.vdb2 100% 2.1KB/s 00:00 CSWHTX00001.vdb2 100% 2.1KB/s 00:00 CSWHTX00001.vdb2 100% 12KB/s 00:00 CSWHTX00001.rtf 100% 100% 12KB/s 00:00 PL001.rtf 100% 12KB/s 00:00 00:00 PL001.vdb2 100% 11KB 11.5KB/s 00:00 PL001.vdb2 100% 11KB 11.5KB/s 00:00 PL001.vdb2 100% 100% 31KB 31.5KB/s 00:00 PL001.vdb2 100% 100% 31.5KB/s 00:00 00 00:00 100% 31.5KB/s 00:00 PL004VD.vsl 100% 30.KB/s 00:00 00 00.00 2.5KB/s 00:00 PL004VD.vsl 100% 30.KB/s <t< th=""><th>ofssobp@10.180.6.143's password:</th><th></th><th></th></t<>	ofssobp@10.180.6.143's password:		
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	PL011.xdoz	100% 30KB 29.9KB/s	00:00

Figure 4–16 BIP (C	DAS) Reports	Upload (contd)
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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 (OAS) Reports Upload (contd)
```

May 10, 2018 3:28:14 AM org.apache.axis.utils.JavaUtils isAttachmentSupported
WARWING: Unable to find required classes (javax.activation.DataHandler and javax.mail.internet.MimeMultipart). Attachment support is disabled.
[import] Import "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 (OAS) Reports upload will be done only once during batchhost installation.

4.2 Post Installation Configuration

This section describes the post installation configuration procedure for OBP 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

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

cd <middleware home>

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

./startWebLogic.sh

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

Figure 4–18 Host Domain Admin Server Credentials

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

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

Note

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

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

```
./obp-host-post-install.sh
```

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

Note

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

Figure 4–19 Host Domain Post Installation Script Execution

[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	: OID
OID_IP	: 10.180.87.84
0ID_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
HOST IP	: 10.180.85.195
HOSTTARGET	: /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	
	508
SUA HUSI IP SOA_ORACLE_HOME SOA_WIX_USER SOA_WINOME SOA_MANAGED_SERVER_LISTEN_ADDRESS SOA_MANAGED_SERVER_LISTEN_PORT SOA_WEBLOGIC_USERNAME SOA_WEBLOGIC_PASSWORD UI_IP UI_UNIX_USER UI_DOMAIN_HOME INSTALL_AS BIP_UNIX_USER BIP_HOME BIP_SERVER_IP BIP_SERVER_PORT	soa ofssobp /scratch/app/product/fmw 10.180.85.159 8001 weblogic 10.180.85.196 ofssobp /scratch/app/product/fmw/user_projects/domains/ui_domain ofssobp cofssobp cofssobp cofssobp 10.180.6.143 9502

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
0AAM_SERVER_IP	: oaam-ofss.com
0AAM_SERVER_PORT	: 14000
0AAM_SERVER_IP	: oaam-ofss.com
0AAM_SERVER_PORT	: 14000
0IM_SERVER_IP	: oim-ofss.com
0IM_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
OIM OUTBOUND USERNAME	: weblogic
0IM 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
BIPUSROUTBOUNDUSERNAME	: 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	: welcomel
POSUSER_OUTBOUND_USERNAME	: POSUser
POSUSER_OUTBOUND_PASSWORD	: welcomel
DMSHOST_OUTBOUND_USERNAME	: weblogic
DMSHOST_OUTBOUND_PASSWORD	: weblogic1
DMSUI_OUTBOUND_USERNAME	: weblogic
DMSUI_OUTBOUND_PASSWORD	: weblogic1
OCH_OUTBOUND_USERNAME	: weblogic
OCH_OUTBOUND_PASSWORD	
KEYSTORE_PASSWORD	: welcomel
UI_MANAGED_SERVER_LISTEN_ADDRESS	: 10.180.85.196
UI_MANAGED_SERVER_LISTEN_PORT	: 8001
CARD_USERNAME	: orakey
CARD_PASSWORD	: welcome1
RULE_USERNAME	: orakey
RULE_PASSWORD	: welcome1
BAM_USERNAME	: weblogic
BAM_PASSWORD	: weblogic1
USER_TIMEZONE	: +5:30
HOST_SSL_PASSWORD	: welcome1
REMOTE_EXECUTION	: Y
IPM_HOME	: /scratch/app/product/fmw_ipm/Oracle_ECM1
IPM_UNIX_USER	: ofssobp
SECURITY_ENABLED	: Y
Please take your time and go thro	ugh the information printed above in detail.
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	0.010/3	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/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.usdl.client.recovery. /fw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.ispx.client.proxy.recovery.jar:/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.usdl.client.coll/APP-INF/lib/com.ofss.fc.usdl.client.coll/APP-INF/lib/com.ofss.fc.usdl.client.coll/APP-INF/lib/com.ofss.fc.wsdl.external.collection.jar:/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.external.collection.jar:/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.external.collection.jar:/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.external.collection.jar:/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.client .collection.jar:/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.external.collection.jar:/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.external.collection.jar:/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.external.collection.jar:/scratch/app/product/fmw/obpinstall/obp/ob.host.client/ob.app.client.coll/APP-INF/lib/com.ofss.fc.wsdl.external.collection.jar:/scratch/app/product/fmw/obpinstall/obp/objinstall/obp/objinstall/obp/objinstall/obp/objinstall/obp/objinstall/obp/obji</pre>
Java HotSpot(TM) 64-Bit Server VM warning: ignoring option MaxPermSize=512H; support was removed in 8.0
System property [org.owasp.esapi.opsteam] is not set Attempting to load ESAPI.properties via file 1/0. System property [org.owasp.esapi.devteam] is not set
Attempting to load ESAPI.properties as resource file via file 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/uspinstall/obp/confag/.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 Found in SystemResource Directory/resourceDirectory: /scratch/app/product/fmw/obpinstall/obp/config/.esapi/validation.properties Server: Could not initalize class com.ofss.fc.infra.das.orm.DataAccessManager Aule Utility executed successfully. Refer DBP host log for details Press any kay to continue [ofssobg@mum00adh fmw]s 🎽

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

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

within the following xml tag:

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

add:

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

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

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

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

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

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

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

<property name='supplementalAttributes'</pre>

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

</log handler>

9. Within the following xml tag:

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

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

10. After post installation on host, if you get the following error, perform the following steps:

```
<Error> <Store> <whf00mdc> <obphost_server1> <[ACTIVE] ExecuteThread:
'4' for queue: 'weblogic.kernel.Default (self-tuning)'> <<WLS Kernel>>
<> <c67dc589-c3b8-41a1-b2ab-7d2da1159133-0000000b> <1617800777936> <
[severity-value: 8] [rid: 0] [partition-id: 0] [partition-name: DOMAIN]
> <BEA-280072> <JDBC store "obphost_server1JDBCStore" failed to open
table "WLStore".
```

```
weblogic.store.io.jdbc.OwnershipException: [Store:280064]280077
(server="obphost_server1" store="obphost_server1JDBCStore"
table="WLStore")
```

- a. Restart Admin Server and login to weblogic console.
- b. In weblogic console, click on Services > Persistent Stores.

Figure 4–24 Open Persistence Stores

Change Center	🚹 Home Log Out Preferences 🔤 Record Help	Q		Welcome, weblogic Connected to: host_doma			
View changes and restarts	Home >Summary of Persistent Stores	Home >Summary of Persistent Stores					
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of Persistent Stores	immary of Persistent Stores					
Lock & Edit Release Configuration	A persistent store is a physical repository for storing subsystem data, such as persistent JMS messages. It can be a JDBC-accessible database, disk-based file, or replicated memory storage. This page summarizes the persistent stores that have been created for this domain.						
Domain Structure	Customize this table						
host_domain							
Domain Partitions	Persistent Stores (Filtered - More Columns Ex	Persistent Stores (Filtered - More Columns Exist)					
Environment	Click the Lock & Edit button in the Change Center to activate all the buttons on this page.						
Deployments							
Services	New v Delete	New > Delete Showing 1 to 2 of 2 Previous Next					
Messaging							
Persistent Stores	Name		Туре	Target			
Foreign JNDI Providers	mds-owsm		FileStore	AdminServer			
Work Contexts	obphost_server1JDBCStore		JDBCStore	obphost server1			
XML Registries	ObbuosCserver100bCstore		JUBCSIORE	oopnost_server1			
XML Entity Caches	New - Delete			Showing 1 to 2 of 2 Previous Next			
јСОМ							
Mail Sessions							

c. Click on obphost_server1JDBCStore and add Prefix Name: batch

🙆 Home Log O	ut Preferences 📐 Record Help	Q	Welcome, weblogic Connected to: host_doma				
Home >Summary	Home >Summary of Persistent Stores >obphost_server1JDBCStore						
Settings for obp	host_server1JDBCStore						
Configuration	Targets Monitoring Notes						
Configuration	High Availability						
Click the <i>Lock</i> a	& Edit button in the Change Center to r	nodify the settings on this page.					
Save							
Use this page t	o configure a JDBC-accessible store for	storing subsystem data, such as persistent	JMS messages or Store-and-Forward messages.				
Name:	obphost_serve	r1JDBCStore	The name of this JDBC store. This name must be unique within a WebLogic domain. More Info				
Scope:	Global		Specifies if the JDBC store is accessible within the domain, a partition, or a resource group template. More Info				
Data Source:	OBP_HOS	T_DS_NONXA V	The JDBC data source used by this JDBC store to access its backing table. You cannot configure a JDBC store to use a JDBC data source that is configured to use an XA JDBC driver or configured to support global transactions. More Info				
₍ Prefix Nam	Daton		The prefix for the JDBC store's database table (WLStore), in the following format:[[[catalog.]schema.]prefix]. More Info				
- Advanced							

11. 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, if you are performing an XD media pack installation.

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.

Figure 4–25 Add Prefix Name

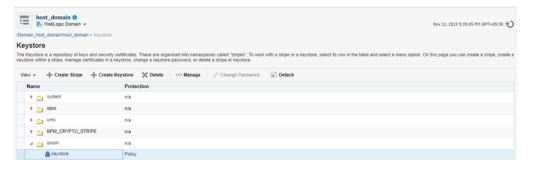
a. Log in to HOST EM and click weblogin domain > security > keystore.

Figure 4–26 Navigate to Keystore

E	🧉 WebLogic Domain 👻	
Domain_	Home	
Keyst	Monitoring	F
The Keys create a	Diagnostics	These are organized into namespaces called tore, change a keystore password, or delete
View a	Control	Delete 👓 Manage 🥒 Cha
Nar	Logs	>
Þ	Environment	Security Realms
•	Deployments	Security Administration
Þ	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

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

Figure 4–27 Create Keystore



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

Generate Keypair	
* Alias	orakey
* Common name	orakey
Subject Alternative Names	
Organizational Unit	Oracle Cloud for Industry
Organization	Oracle Corporation
City	Redwood Shores
State	California
Country	United States
Key Type	RSA T
Key Size	2048 •
	OK Cancel

Figure 4–28 Generate Keypair

- 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.

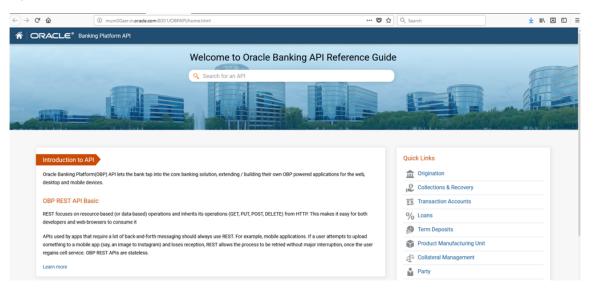
Figure 4–29 OBPAPI deploy on obphost_cluster1

Co.app.host.tp.cz(2.7.0.0.0,2.7.0.0.0)	Active		Library	obphost_server1	Global	100
B © OPPAPI	Active	≪ ок	Web Application	obphost_cluster1	Global	100
fod.didristory(1.0, 12.2.1)	Active		Library	AdminServer, obphost_cluster1	Global	100
Col. did history. 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 4–30 REST API



5 OBP Localization Presentation Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Platform 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 Platform Localization Presentation Media Pack.

5.1.1 Preparatory Steps

This section lists the preparatory steps required for the Oracle Banking Platform 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 Platform 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

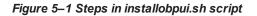
Before initiating installation on a completely new setup, check the following:

- Make sure required RCU schemas have been created. For more information, see Section 7.1 Pre-Installation Steps and Section 7.2 OBP 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 Platform 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.zip in the target area of UI thereby making available binary for OBP UI itself

Executes the jar file obpui_us_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	ui.sh
The present working directory is /se	cratch/install/ui. It is assumed that all installables are present in this directory.
SILENT INSTALL	: v
LOCAL IP	: 10.180.85.196
LOCAL DISPLAY VALUE	: 0.0
DOMAIN NAME	: ui domain
DOMAIN DIRECTORY LOCATION	: /scratch/app/product/fmw/user projects/domains
WEBLOGIC USERNAME	: weblogic
WEBLOGIC PASSWORD	: weblogic1
MDS_SCHEMA_USER	: PRDUI MDS
MDS_SCHEMA_PASSWORD	: welcome1
MDS_DB_IP	: 10.180.87.84
MDS_DB_PORT	: 1521
MDS_DB_SERVICE_NAME	<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 : PB784A : 0GP262 : welcome1 : 10.180.87.84 : 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
OPSS_SOA_SCHEMA_USER	: PRDSOA_OPSS
NOST_DB_PORT HOST_DB_PORT HOST_DB_SERVICE_NAME OPSS_SOA_SCHEMA_USER OPSS_SOA_SCHEMA_PASSWORD OPSS_SOA_DB_IP DOSCSOA_DB_IP	: 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	
ADMIN_SERVER_SSL_LISTEN_PORT	: /002
MANAGED_SERVER_LISTEN_ADDRESS	
MANAGED_SERVER_LISTEN_PORT	: 8001
MANAGED_SERVER_SSL_LISTEN_PORT	: 8002
LDAP_PROVIDER OID_IP OID_PORT OID_ADMIN_USER	. 10 100 7 04
	. 10,100.8/.04
	. 509 . cn-oral admin
OID_ADMIN_USER	: ci=orctadmin : welcomel
OID_ADMIN_PWD	, Wellower

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	; welcomel
RULE_USERNAME	: orakey
RULE_PASSWORD	: welcomel
USER_TIMEZONE	: +5:30
REMOTE_EXECUTION	: Y
IPM_USERNAME	: weblogic
IPM_PASSWORD	: weblogic1
FTP_IPM_USERNAME	: ofssobp
FTP_IPM_PASSWORD	: ofssobpl23
FTP_IPM_BATCH_USERNAME	: ofssobp
FTP_IPM_BATCH_PASSWORD	: ofssobp123
IPM_HOME	: /scratch/app/product/fmw_ipm/Oracle_ECM1
BIP_SERVER_IP	: 10.180.6.143
BIP_SERVER_PORT	: 9502 : ofssobp
BIP_UNIX_USER BIP_HOME	: /scratch/app/product/fmw_bip/bi
HOST UNIX USER	: ofssobp
	, orssup
Please take your time and go throug	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.

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.	stallation.	
The authenticity of host '10.180.85.196 (10.180.85.196)' can't be established. ECDSA key fingerprint is 31:10:21:f8:86:6a:ad:5e:5c:e0:ff:01:8b:d0:d6:d8. Are you sure you want to continue connecting (yes/no)? yes Warning: Permanently added '10.180.85.196' (ECDSA) to the list of known hosts. ofssobe10.180.85.196's password:		
obpinstall-ui.zip installobpuisilent.properties The configuration of OBP UI domain will begin immediately. ofssobp@10.180.85.196's password: Archive: _scratch/install/target/obpinstall-ui.zip inflating: /scratch/install/target/obpui_generic.jar	100% 649%8 216.3%8/s 00:03 100% 1241 1.2KB/s 00:00	
<pre>inflating: /scratch/install/target/obpui generic.jar inflating: /scratch/install/target/installdomain.sh inflating: /scratch/install/target/installdomain_silent.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/PYAML-3.11.tar.gz inflating: /scratch/install/target/PYAML-3.11.tar.gz inflating: /scratch/install/target/Surget.0.5.7.tar.gz inflating: /scratch/install/target/Surget.0.5.7.tar.gz inflating: /scratch/install/target/suds-0.4.tar.gz inflating: /scratch/install/target/suds-0.4.tar.gz inflating: /scratch/install/target/suds-0.4.tar.gz inflating: /scratch/install/target/suds-0.4.tar.gz inflating: /scratch/install/target/suds-0.4.tar.gz inflating: /scratch/install/target/suds-0.4.tar.gz inflating: /scratch/install/target/suds-0.5.os_os_tar.gu -> /scratch/app/product/jdkl.a.0_101/bin/java -jar /scratch/install/target/obpui_generic.jar -silent ORACLE_HOME= INVENTORY_LOCATION=/scratch/app/oraInventory Launcher log file is /tmp/oraInstall2018-05-03_05-13-19PM/launcher2018-05-03_05-13-19PM.log. Extracting files Starting Oracle Universal Installer</pre>	/scratch/app/product/fmw/obpins	stall
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	
.coading products list. Please wait.	
40%	
.oading products. Please wait.	
47% 50%	
53%	
63%	
735	
·····	
373	
72% Done.	
96% Done.	
Installation in progress (Thursday, May 3, 2018 5:13:44 PM IST)	
install successful 98% Done.	
inking in progress (Thursday, May 3, 2018 5:13:44 PM IST)	
nstallation in progress (Thursday, May 3, 2018 5:13:44 PM IST)	
98% Done. 98% Done.	
inking in progress (Thursday, May 3, 2018 5:13:44 PM IST) ink successful	
etup in progress (Thursday, May 3, 2018 5:13:44 PM IST) etup successful	
aving inventory (Thursday, May 3, 2018 5:13:44 PM IST) aving inventory complete onfiguration complete	
nd of install phases.(Thursday, May 3, 2018 5:13:44 PM IST) ogs successfully copied to /scratch/app/oraInventory/logs.	

Figure 5–6 Copying and Extraction of obpinstall-ui.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/config 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 Platform 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

[ofssobp@mum00adi fmw]\$./obp-ui-po	et install ab
Totssobp@mum00adi Tmwj\$./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
	: 10.180.85.196
	: /scratch/install/target
UI_MW_HOME	: /scratch/app/product/fmw : welcome1
KEYSTORE_PASSWORD	: welcomei : welcomei
UI_SSL_PASSWORD	
INSTALL_AS	: ofssobp : 10.180.85.195
HOST_ADMIN_SERVER_LISTEN_ADDRESS	: 10.180.85.195
HOST_ADMIN_SERVER_LISTEN_PORT	
HOST_MANAGED_SERVER_LISTEN_ADDRESS HOST_MANAGED_SERVER_LISTEN_PORT	: 10.180.85.195
SOA MANAGED SERVER LISTEN ADDRESS	
SOA_MANAGED_SERVER_LISTEN_PORT	: 8001 : OID
LDAP_PROVIDER	: 010
OID_IP OID_PORT	: 10.100.07.04
OID_PORT OID_ADMIN_USER	; 369 ; cn=orcladmin
OID ADMIN PWD	: cheoretaumin
OID GROUP DSN	: wercomer : 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_TP	: oaam-ofss.com
0AAM 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
RULE USERNAME	: orakey
RULE PASSWORD	: welcome1
USER TIMEZONE	: +5:30
IPM_USERNAME	: weblogic
IPM_PASSWORD	: weblogic1
FTP_IPM_USERNAME	: ofssobp
FTP_IPM_PASSWORD	: ofssobp123
FTP_IPM_BATCH_USERNAME	: ofssobp
FTP_IPM_BATCH_PASSWORD	: ofssobp123
HOST_UNIX_USER	: ofssobp
BIP SERVER IP	: 10.189.6.143
Please take your time and go throu	gh the information printed above in detail.
	is correct, please enter Y or y to proceed. Press any other key to exit the installation.

Figure 5–13 Continuation of Post-Installation

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

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

Please take your time and go through the information printed above in detail. If the above mentioned information is correct, please enter Y or y to proceed. Press any other key to exit the in v	nstallat	tion.		
 Post-installation will begin in sometime ofssobp@10.180.6.143's password:				
il8nAPI_v3.jar	100%	904KB	904.4KB/s	00:00
il8nAPI_v3.jar copied from BIP machine ofssobp@10.180.6.143's password:				
xdocore.jar	100%	9060KB	8.9MB/s	00:00
xdocore.jar copied from BIP machine ofssobp@10.180.6.143's password:				
versioninfo.jar versioninfo.jar copied from BIP machine	100%	6204KB	6.1MB/s	00:00
ofssobp@10.180.6.143's password:				
imaging-client.jar imaging-client.jar copied from IPM machine	100%	863KB	863.3KB/s	00:00
ofssobp@10.180.6.143's password:	1000	610KD	C10 0KD /-	00.00
oracle.ucm.ridc-11.1.1.jar oracle.ucm.ridc-11.1.1.jar copied from IPM machine	100%	01948	618.9KB/s	00:00
Certificate stored in file <mum00adi.in.oracle.com.cer> Certificate was added to keystore</mum00adi.in.oracle.com.cer>				
Certificate was added to keystore				
Certificate stored in file <orakey.crt> Logging WLS stderr to /scratch/app/product/fmw/user projects/domains/ui_domain/servers/AdminServer/stderr.log</orakey.crt>				
/scratch/app/product/fmw/obpinstall/obp				
ofssobp@10.180.85.159's password:				
cwallet.sso.lck cwallet.sso	100% 100%	0 1381	0.0KB/s 1.4KB/s	00:00 00:00
ofssobp@10.180.85.159's password: keystores.xml	100%	105KP	195.2KB/s	00:00
[ofssobp@mum00adi fmw]\$	100.9	19900	19912(0)/5	00.00

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 OBP Localization SOA Media Pack

This chapter details every step involved in the installation of Oracle Business Activity Monitoring (BAM) using OBP SOA Localization (Integration Server) 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 OBP SOA Localization Media Pack.

6.1.1 Preparatory Steps

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

Step 1 Procuring Installables

Download the appropriate SOA Localization 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 Configuration	n Wizard - Page 1 of 8@ofss3121921	
Configuration Type		
🙊 Create Domain		
🙀 <u>Templates</u>		
Administrator Account		
Domain Mode and JDK		
Advanced Configuration		
Configuration Summary	When do not set to 2	
Configuration Progress	What do you want to do?	
O End Of Configuration	<u>C</u> reate a new domain	
	○ <u>U</u> pdate an existing domain	
	Domain Location: /scratch/app/product/fmw/user_projects/domains/base_domain	Browse
Help	< Back Next > Finisi	h Cancel

4. Provide the following domain path and click Next.

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

./config.sh

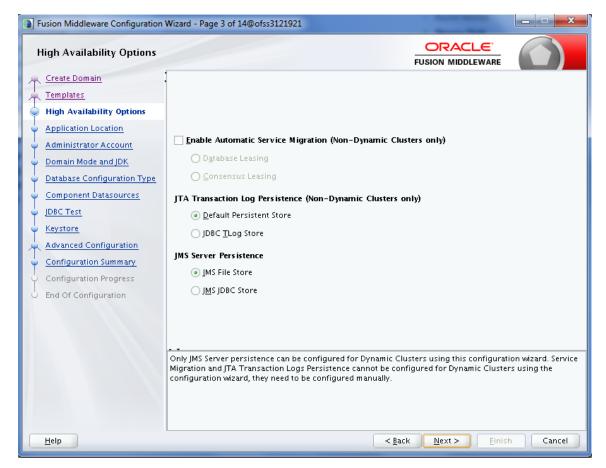
5. In the **Templates** page, select the **Oracle Business Activity Monitoring** check box, in the **Available Templates** section and click **Next**.

Fusion Middleware Configuration V	Vizard - Page 2 of 13@mum00bgz.in.oracle.com – 🗌 🗙
Templates	
Create Domain Templates High Availability Options Application Location Administrator Account Domain Mode and JDK Database Configuration Type Component Datasources JDBC Test Advanced Configuration Configuration Summary Configuration Progress End Of Configuration	Oracle Business Activity Monitoring [soa] Oracle B2B Reference Configuration [soa] Oracle B2B Client [soa] Oracle Enterprise Manager Plugin for ESS [em] Oracle Enterprise Manager Restricted JRF [em] Oracle Service Bus Reference Configuration [sob] Oracle Service Bus Reference Configuration [sob] Oracle Enterprise Manager Restricted JRF [em] Oracle Service Bus Reference Configuration [sob] Browse
Help	< Back Next > Einish Cancel

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	Wizard - 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 @ Oracle HotSpot 1.8.0_172 /scratch/app/product/jdk1.8.0_172 Other JDK Location:
Help	< <u>Back</u> <u>N</u> ext> <u>Einish</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	- Pag	e 9 of 14@ofss3121921	and the second	_ _ X
JDBC Component Schema T	est				
🙊 Create Domain		Status	Component Schema	JDBC Connectio	n URL
Templates		4	BAM Schema	jdbc:oracle:thin:@//10.180).6.148:1521/P6 📫
U High Availability Options		V	BAM Job Sched Schema	jdbc:oracle:thin:@//10.180).6.148:1521/P6
Application Location		V	BAM Leasing Schema	jdbc:oracle:thin:@//10.180).6.148:1521/P6
		V	BAM Non JTA Schema	jdbc:oracle:thin:@//10.180).6.148:1521/P6
Administrator Account		V	LocalSvcTbl Schema	jdbc:oracle:thin:@//10.180).6.148:1521/P6
🖕 Domain Mode and JDK		V	User Messaging Service	jdbc:oracle:thin:@//10.180).6.148:1521/P6
Database Configuration Type		V	WLS Schema	jdbc:oracle:thin:@//10.180).6.148:1521/P6
Gomponent Datasources		V	BAM MDS Schema	jdbc:oracle:thin:@//10.180).6.148:1521/P6
DBC Test		V	OWSM MDS Schema	jdbc:oracle:thin:@//10.180).6.148:1521/P6 💂
 Keystore Advanced Configuration Configuration Summary Configuration Progress End Of Configuration 	Com; Drive URL= User: Passv SQL 1 CFGF	nectio poneni ir=ora idbc:c =OBEC word= Fest=s WK-64	lected Connections	r=(select user from dual) an	d mr_type='SOAI
Help			< <u>B</u> ac	k <u>N</u> ext > <u>F</u> inish	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 Configuratio	n Wizard - Page 13 of 23@ofss3121921		
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 Node Manager Managed Servers Clusters Server Templates Coherence Clusters Machines Virtual Targets Partitions Configuration Summary	Node Manager Type Per Domain Default Location Per Domain <u>Custom Location</u> Node Manager Home: <u>rduct/fmw/user</u> Manual Node Manager Setup Node Manager Credentials Username: Password: Confirm Password:	r_projects/domains/base_domain/nodem:	anager B <u>r</u> owse
Help		< <u>B</u> ack <u>N</u> ext > <u>F</u> i	nish 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	_		_	- • ×
Clusters						
↑ Create Domain ↑ Templates	• <u>4</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 						
 <u>Component Datasources</u> JDBC Test 						
Keystore						
Advanced Configuration Administration Server						
 <u>Node Manager</u> Managed Servers 						
Clusters						
<u>Server Templates</u> <u>Dynamic Servers</u>	<u></u>					
Assign Servers to Clusters Coherence Clusters						
<u>Machines</u>						
Virtual Targets Partitions						
Help				< <u>B</u> ack <u>N</u> e:	xt > Einish	Cancel

20. In the Server Templates page, click Next.

Fusion Middleware Configuration	on Wiz	ard - Page 16 of 25@of:	ss3121921		
Server Templates					
☆ Create Domain ☆ Templates	Î	🕂 Add 🛛 🗶 Dela	te	(🗐 Dis <u>c</u> ard Changes
High Availability Options		Name	Listen Port	SSL Listen Port	Enable SSL
<u>Application Location</u> <u>Administrator Account</u>					
 Domain Mode and JDK Database Configuration Type 					
<u>Component Datasources</u>					
JDBC Test Keystore	1000				
Advanced Configuration	227				
 <u>Administration Server</u> <u>Node Manager</u> 					
<u>Managed Servers</u> Clusters					
Server Templates					
 Dynamic Servers Assign Servers to Clusters 	-				
Coherence Clusters					
 Machines Virtual Targets 					
Partitions <u>H</u> elp	-			< <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 E Server		
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

F	usion Middleware Configuratio	n١	Nizard - Page 21 of 26@ofss3121921				
Ļ	Assign Servers to Machin	es					
R	Create Domain		Servers		Machines		
\mathbf{A}	Templates		AdminServer		o UnixMachine □ o bam_machine1		
÷Ψ	High Availability Options				💓 bam_serve	r1	
Ý	Application Location						
÷Ψ	Administrator Account						
÷	Domain Mode and JDK						
÷ψ	Database Configuration Type			۵			
	Component Datasources						
φ.	JDBC Test	3					
Ý	Keystore						
桌	Advanced Configuration			8			
ψ	Administration Server						
ψ	Node Manager						
ų	Managed Servers						
ψ	<u>Clusters</u>						
Ý	Server Templates						
ψ	Dynamic Servers		· •				
ψ	Assign Servers to Clusters		Select one or more servers in the left pane and one button (>) to assign the server or servers to the ma			nen use th	e right arrow
ψ	Coherence Clusters						
φ	Machines						
0	Assign Servers to Machines						
	Virtual Targets	•					
	Help				< <u>B</u> ack <u>N</u> ext >	<u> </u>	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 V 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	ALC: NOT THE OWNER OF THE OWNER O	
Partitions			
Create Domain Templates	Add X Delete	i	is <u>c</u> ard Changes
High Availability Options	Name	e	
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			
Clusters			
Server Templates			
Upnamic Servers	* *		
Assign Servers to Clusters			
Coherence Clusters			
🖕 <u>Machines</u>			
Assign Servers to Machines			
Virtual Targets			
Help		< <u>B</u> ack <u>N</u> ext > <u>F</u> inis	n Cancel

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

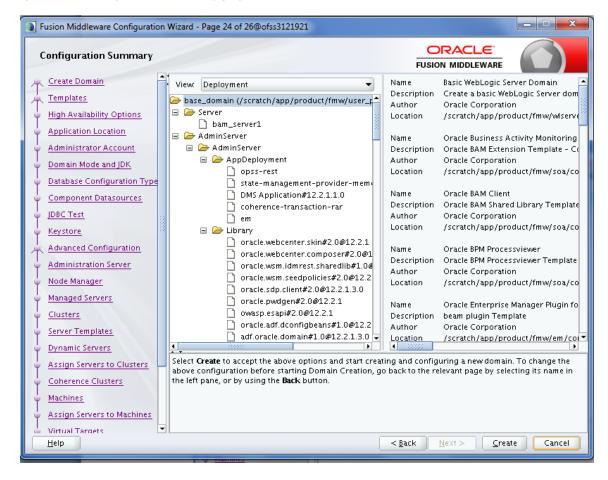


Figure 6–24 Configuration Summary page

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.

Fusion Middleware Configuration	Wizard - Page 26 of 26@ofss3121921		X
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 Advanced Configuration Administration Server Clusters Clusters Server Templates Dynamic Servers to Clusters Coherence Clusters Coherence Clusters Assign Servers to Machines Assign Servers to Machines	Oracle Weblogic Server Configuration Succeeded New Domain Location /scratch/app/product/fmw/user_projects/dom Admin Server URL https://ofss3121921:7002/console	nains/base_domain	
O Virtual Targets		<u>Back</u> <u>N</u> ext > <u>Finis</u>	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 OBP SOA Media Pack.

Checklist for Post Installation Procedure

Before proceeding with the post installation, ensure the following:

1. Apply the grant on middleware home through WLST.

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

Example:

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

2. Start the admin server.

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

3. Start the managed server "bam_server1".

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

Post Installation Configuration

Perform the following steps.

- 1. Copy the "obpau-soa.zip or obpus-soa.zip" to a machine where BAM domain is created.
- 2. Unzip the "obpau-soa.zip or obpus-soa.zip" file. Following three files will be extracted:
 - Namely a zip file "obpinstall-soa.zip"
 - Installation script "installobpsoa.sh"
 - Install configuration property file "installobpsoa.properties"
- 3. Create a folder called target and unzip obpinstall-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						weblogic	C W
					Home	Administrator	Designer
User V Data Objects Business Queries EVPIS Dashboards Aerts Parameters V	Dashboards	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							weblogi	C 🕶 📖
			_			Home	Administrator	Designer
		Open Project	×					
User 💌		Select the project to open						
G ≜ / + @		Application						
▶ 📷 Data Objects		OperationsManager						
Business Queries		User						
KPIS							=	
 Business Views Dashboards 	Dashboards		5	Views	Models		Data	
Alerts								
Parameters								
	Dashboards are co		sh	board				
			_					

7 Standalone Database Setup

This chapter details the steps involved in setting up Oracle Banking Platform 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 Platform DB mentioned in Section 7.2 OBP Database Setup – RCU Installation:

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

7.2 OBP Database Setup – RCU Installation

The steps that should be performed to create the OBP 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 (please note, SOA, UI and HOST are the prefix in below schemas which is given during schema creation).

- SOA_SOAINFRA
- SOA_MDS
- SOA_STB
- SOA_UMS
- SOA_OPSS
- SOA_IAU_APPEND
- SOA_IAU_VIEWER
- 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 OBP 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 (anyone one) file from OBP Host media pack location to any machine where sqlplus is available.

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

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

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

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

createobp.sql execution

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

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 OBP DB seeding is completed, the control will return to the sql prompt.

Note

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

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

OBP 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 OBP 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 OBP and IPM Integration

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

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

- Section 8.1 IPM Application Setup for OBP 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 OBP. 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 OBP Content Management

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

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

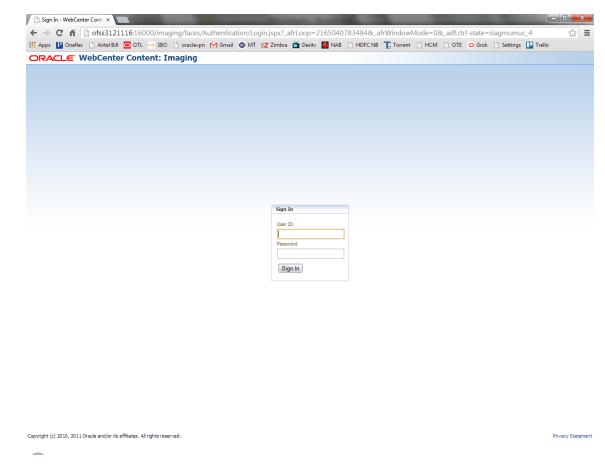
8.1.1 UCM Connection

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.

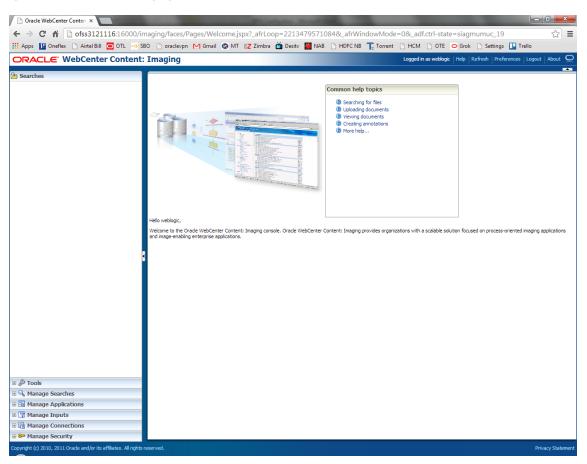


Figure 8–2 IPM - Welcome page

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

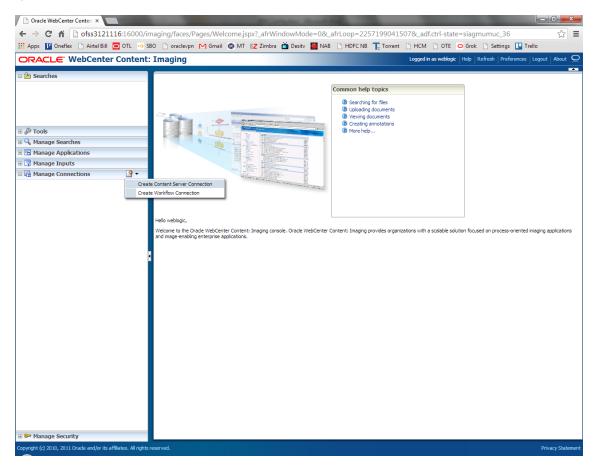


Figure 8–3 Create Content Server Connection

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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E Manage Applications	Use Local Content Server True Server Port 4114
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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/middleware/12213/wcc/admin-image/GUID-4A1A138D-FFEC-4FBB-A6D3-7F4FA4BDE06A.htm#IPMGA162.

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.

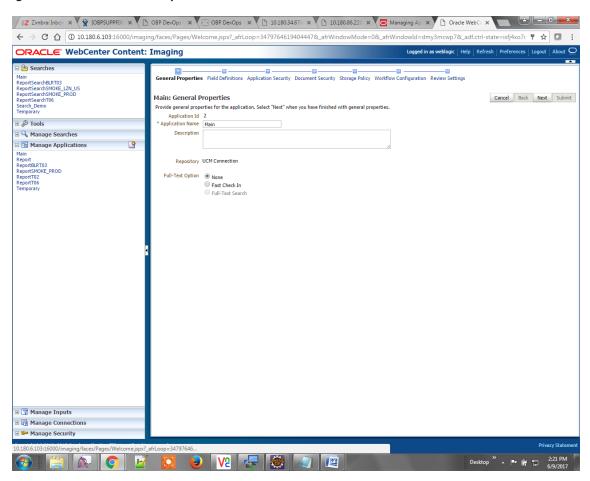


Figure 8–8 Main: General Properties

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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Temporary		Abc	OFFER_TERM_ANI	80 🖍			1			0	~~	4 6		
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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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Manage Applications	· · · · · · · · · · · · · · · · · · ·			Index	Ø €	Access		Standard	Restricted	Hidden		
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5. In the Storage Policy page, select the file default option as shown below.

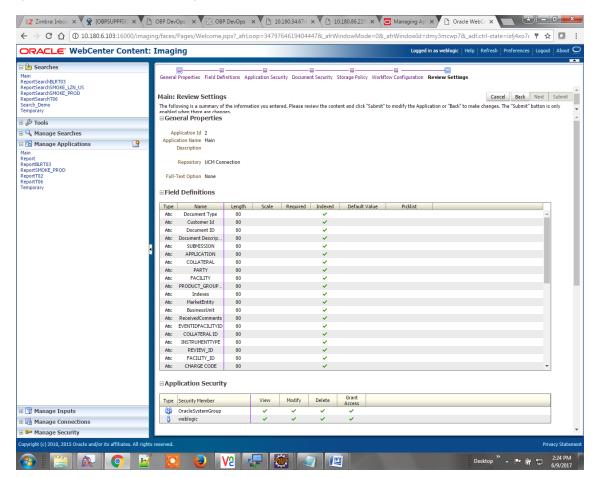
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Figure 8–13 Main: Storage Policy

- 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.

Figure 8–16 Main: Results Formatting

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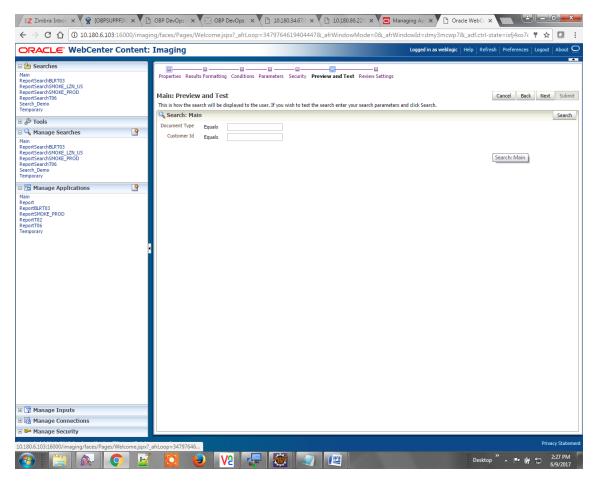
6. Configure the access rights for users for search in the Search Security page.

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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

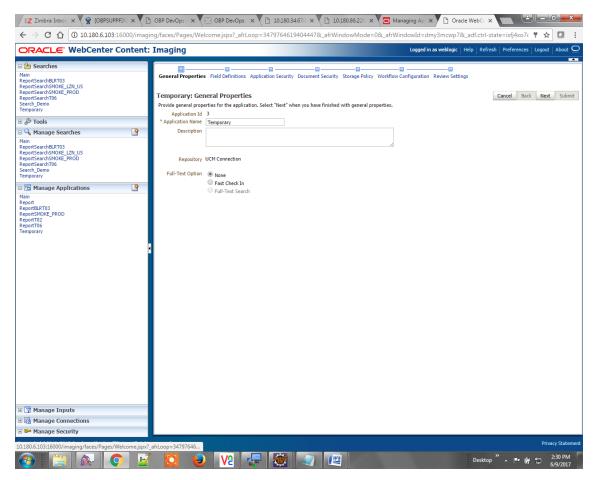
This section provides details about the temp application configuration.

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.

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Figure 8–23 Temporary: Field Definitions

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

Figure 8–24 Temporary: Application Security

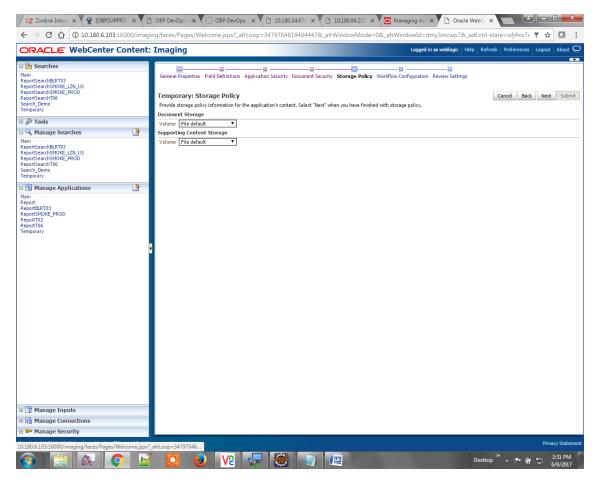
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Figure 8–25 Temporary: Document Security

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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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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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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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

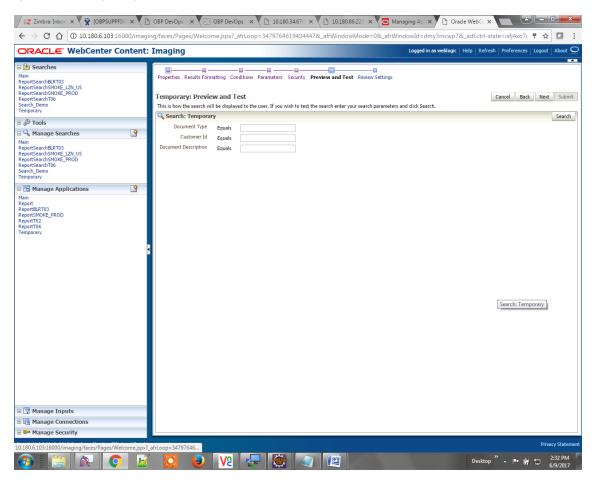


Figure 8–34 Temporary: Review Settings

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

Note

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

SQL for Main Application

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

SQL for Temp Application

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

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 OBP 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.

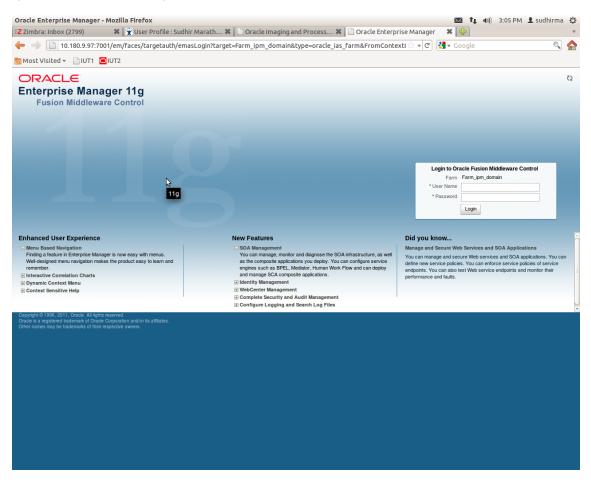
8.2.2 Setting up the Connection Name

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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			Universal Content Management		
			Content Server		
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			Farm Resource Center		
			Before You Begin (?) Introduction to Oracle Fusion Middleware		
			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		
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			Other Resources		
			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.

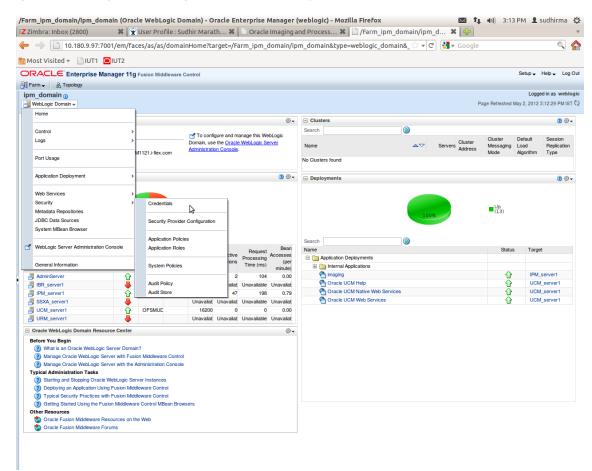


Figure 8–37 Navigate to Weblogic Domain --> Security --> Credentials

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..

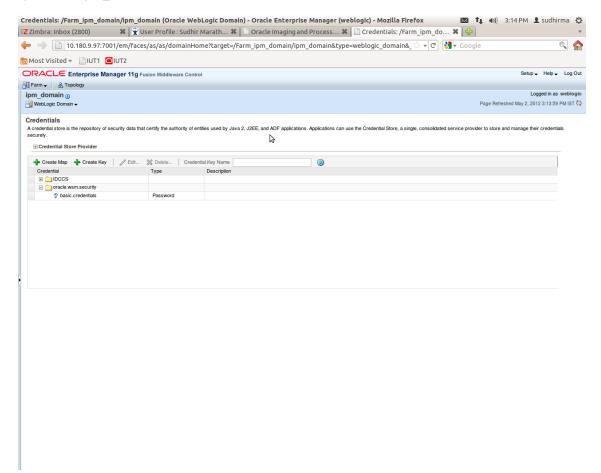
Figure 8–39 Create Key basic.credentials

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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.

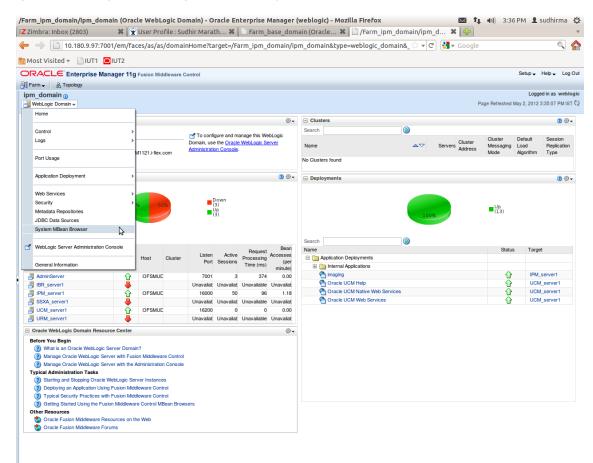


Figure 8–41 Navigate to Weblogic Domain --> System MBean Browser

- 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.

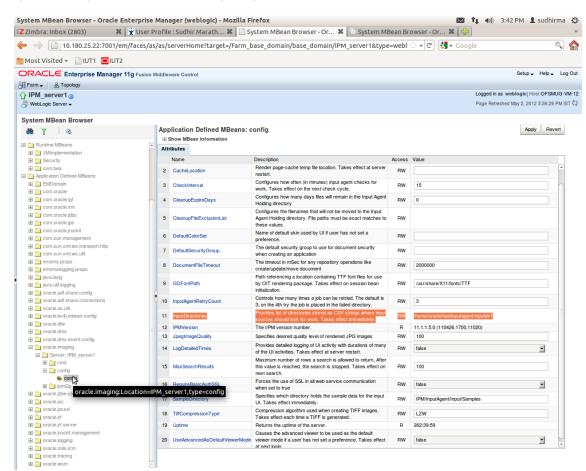


Figure 8–42 InputDirectories: Enter Input Agent Path

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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The Main Application Summary appears as shown Figure 8–54.

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	3/19/2019	Definition Modify Definition Modify	weblogic weblogic	
😨 Manage Inputs	3/14/2014 3/25/2014	Definition Modify	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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- 3. Define an input agent by entering a **Name**. For example, **bulkUploadInput**.
- 4. Define Input Mask as DMSInputSampleFile.txt.

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Manage Connections		
Manage Security		Privacy Statement
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';

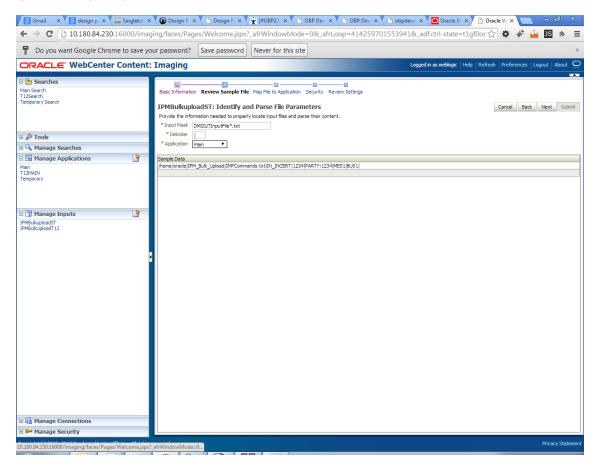
Note

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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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

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				, ·			
		bulkuloadInput: Field	Mapping			Cancel	Back Next
		Define the field mapping betwe	een the input file and the	Application.			
		Input Mapping					
🗉 🖉 Tools		Application Fields	Input Column	Sample Data	Use Application Default	Date Format	
🗉 🔍 Manage Searches			Column 1	-			
Applications	9	File Path Document Type	Column 1	/home/oracle/IPM_Bulk_Upload/IMi IN_INCERT	PC0	4/2	
Main		Customer Id	Column 2			+ / %	
Temporary		DocId	Column 3	 1234 		408	
		DocName		T 1234		4/8	
		Indexes	Column 4	PARTY: 1234		402	
		MarketEntity	Column 5	 ME01 		4/8	
🗉 🍸 Manage Inputs	9	BusinessEntity	Column 6	▼ BU01		403	
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		COLLATERALVALUATIONRE	V	•		408	
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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:

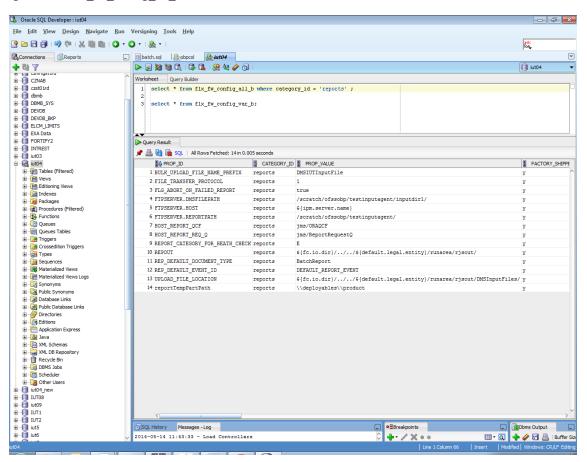
```
update flx_fw_config_all_b set prop_value='48' where prop_
value='335' and category_id like 'contentmanager%';
update flx_fw_config_all_b set prop_value='ofssuser' where
prop_id='userId' and category_id like 'contentmanager%';
```

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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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.

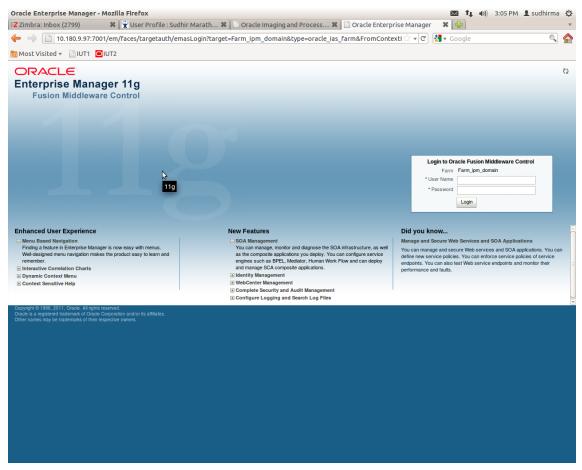
8.3.2 Setting up the Connection Name

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).

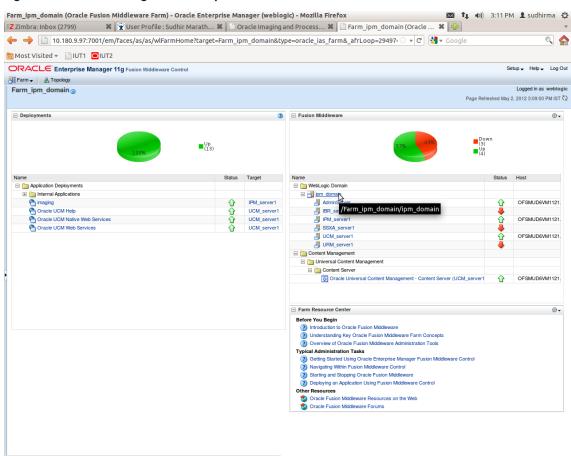


Figure 8–63 Click Weblogic Domain: ipm domain

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

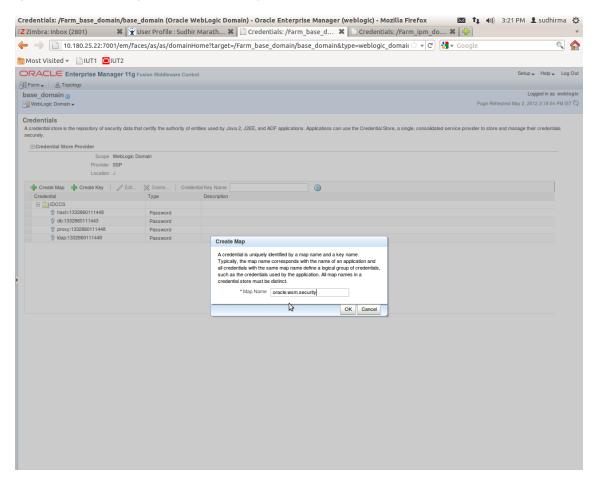
- 3. In the top menu, click **Weblogic Domain.** The corresponding menu appears.
- 4. Navigate to **Security > Credentials.** The Credentials page appears.

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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



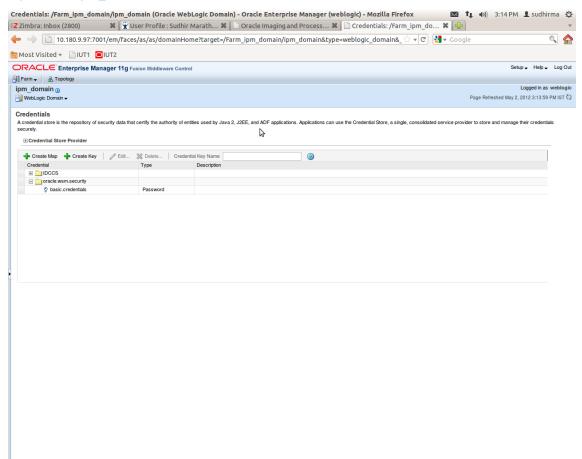
6. Click Create Key to create a key under the map oracle.wsm.security.

Figure 8–66 Create Key: basic.credentials

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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, u2EE, and ADF applications. Applications can use the Credential Store, a single, consolidated service provider to store and manage their credentials
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	Password	* Key	basic.credentials
proxy:1332860111448	Password	Туре	Password •
kdap:1332860111448	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.

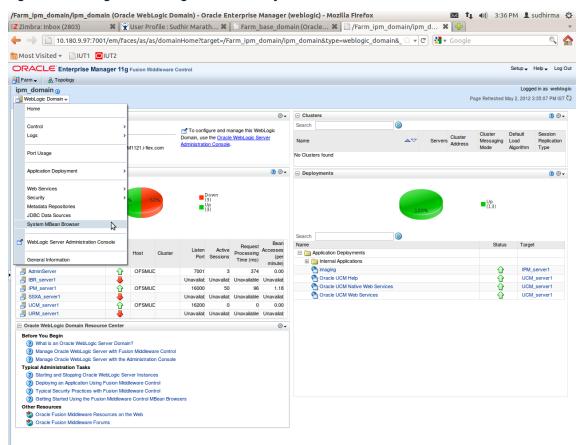


Figure 8–68 Navigate to Weblogic Domain --> System MBean Browser

- 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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Security Com.bea			Render page-cache temp file location. Takes effect at server		Tudo .	
Application Defined MBeans	2	CacheLocation	restart.	RW		n
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🗉 🧰 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	-
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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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🗄 🔁 Manage Applications 🔄 🔮	Supporting Content Storage		
Main Report Temporary	Volume File default		
	Workflow injection enabled.		
	Server Properties		
	Connection 7:SMOKE	LZN_US	
	Component Properties		
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	Operation process		
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	Payload Properties	Managhtelin	
	Payload Id process.bankCode	Mapped Value Field Value BANK CODE	
	process.channel	Field Value CHANNEL	
	process.externalBatchNumber	Field Value EXTERNAL_BATCH_NUMBER	
	process.externalSystemAuditTrailNumber	Field Value EXTERNAL_SYSTEM_AUDIT_TRAIL_NUMBER	
	process.targetUnit	Field Value TARGET_UNIT	
	process.transactionBranch	Field Value TRANSACTION_BRANCH	
	process.userId	Field Value USER_ID	
	process.adhocReportRequestId	Field Value ADHOC_REPORT_REQUEST_ID	
	process.reportId process.reportType	Field Value REPORT_ID Field Value REPORT_TYPE	
	process.branchGroupCode		
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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.

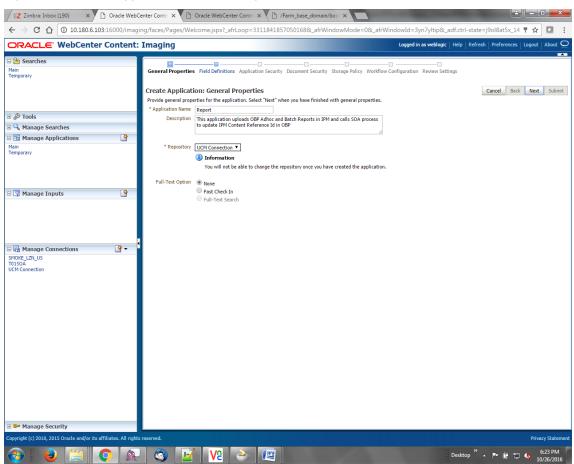


Figure 8–75 Create Application: General Properties

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.

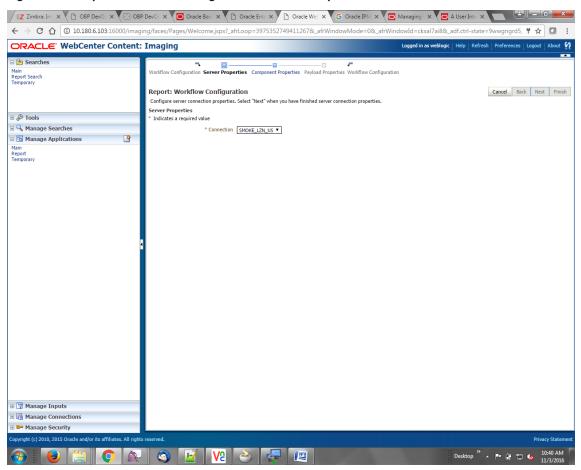


Figure 8–80 Report: Workflow Configuration - Server Properties

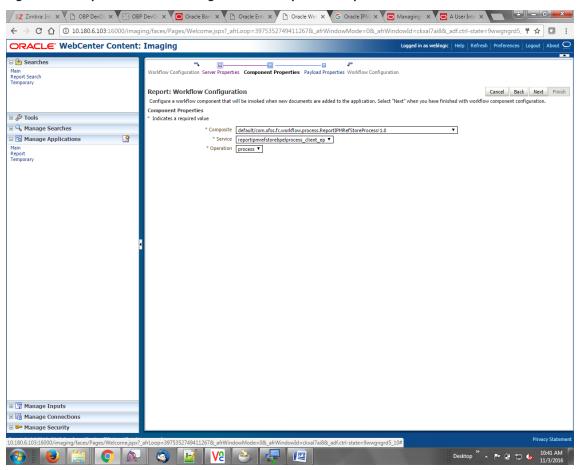


Figure 8–81 Report: Workflow Configuration - Component Properties

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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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emporary		EXTERNAL_BATCH_NUMBER	Column 4	•	0		4/3	
		EXTERNAL_SYSTEM_AUDIT	Column 5	•	0		÷ / %	
		TARGET_UNIT	Column 6	•	GLBL_BU_PB		4/2	
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eportIPMContentRefInputAgent		USER_ID	Column 8	•	OFSSUser		4/3	
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		REPORT_ID	Column 10	•	TD101		4/2	
		REPORT_TYPE	Column 11	•	BOD		4/ 33	
		BRANCH_GROUP_CODE	Column 12	•	BRN_GRP_1		403	
		REPORT_RUN_DATE	Column 13	•	20160131000000		4/8	
		CONTENT_REFERENCE_ID	Column 14	▼ ▼ /hor	2.IPM_314505		4/3	
		FILE_PATH	Column 1 Column 15	/hor	ne/oracle/reports/CH318153449.8 1010		4/ 23	
		REPORT_SPLIT_KEY	Column 15		1010		4 / X	
🕢 Manage Connections								

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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🗄 🔁 Manage Applications 🔄 🔮	Description Report IPM Content Ref Input Agent	
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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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		FILE_PATH	Equals	Parameter - FILE_PATH	Or
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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/jdk1.8.0_281/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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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

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			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: Catalog Folders BarcodeGenerationRTF <th>me</th> <th></th> <th>Home</th> <th>Catalog New 🔻</th> <th>Open 💌 Signed In As</th> <th>weblogic 🔹</th>	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

DRACLE [®] BI Publisher Enterprise	Search All 💌 🔍 Administration Help 💌 Sign	n Out 🚥
dministration	Home Catalog New v Open v Signed In As web	ologic 🔻
Data Sources	System Maintenance	
JBBC Connection JNDI Connection File LDAP Connection OLAP Connection COLAP Connection HTTP Connection HTTP Connection Content Server	Server Configuration Scheduler Configuration Scheduler 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	- 1
Delivery Configuration Printer Fax Email WebDAV HTTP FTP Content Server CUPS 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		Ψ		্ 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 2.1.2.1 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 OBP servers can be monitored using Oracle Enterprise Manager. 'em_monitor.zip' is available inside 'obutils' for this purpose. The procedure is as follows:

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

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

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12 Post Installation Verification

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

12.1 UI Domain Verification

To verify the UI domain installation:

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

Figure 11–1 UI EM Console Status Check

	orise M	anager Fusion Middleware Control 12c						📙 WebLogic Domain	 weblogic 	
ui_domain 🜖								🏠 v 🖂 v	Auto Refresh	Off
WebLogic Domain	,							May 8, 2018	3 4:49:19 PM GMT-	+05:30 숙
Information Certain functionality on this	s page is	available only when you own the edit ses	sion lock. T	o obtain the lock, o	click "Lock and Edit"	' in the Change Center n	ienu.			0
Servers		Administration Server								
2 Up	•	Name	AdminServ	er						
		Host								
		Listen Port	7001							
Clusters		SSL Listen Port	7002							
1 Up	•	Servers								
		View 💌 📲 Create 🗙 Delete Control 💌 🛱								
Deployments		Name	Status	Cluster	Machine	State	Health	Listen Port	CPU Usage (%)	He Usa (M
12 Up		AdminServer(admin)	+			Running	ок	7001	4.31	805
	►	obpui_server1	1	obpui_cluster1	ui_machine1	Running	ок	8001	0.98	2,870
		4								

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

← → C ③ 10.180.85.196:7001/wsm-pm/validator		🕁 🖸 🖬
		configuration A SANL token, included in the SUAP message, is used in SANL-based aumentication 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-based client.
oracle/wss_saml20_token_over_ssl_service_policy	1	This policy authenticates users using credentials provided in SAML V2.0 token in the WS-Security SOAP header. The credentials in the SAML V2.0 token are authenticated against a SAML V2.0 login module. The policy verifies that the transport protocol provides SSL message protection. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_username_token_with_message_protection_wssc_client_policy	1	This policy provides message-level protection and authentication for outbound SOAP requests in accordance with the WS-Security 1.1 standard. Messages are protected using WS-Security's Baci 28 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 UsemameToken header of outbound SOAF request messages. Only plain text mechanism is supported. Credentials are provided either programmatically through the current Java Authentication and Authonization 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 SOAF requests in accordance with the WS-Security 1.1 standard. Messages are protected using WS- Security's Basic 128 suite of symmetric key technologies, specifically RSA key mechanisms for message confidentiality, SHA-1 hashing algorithm for message integrity, and AES-128 bit encryption. The keystore on the client side is configured either on a per-request basis or through the security configuration. Credentials are included in the WS-Security binary security token of the SOAP message. These credentials are provider either programmatically or through the security configuration. This policy has secure conversation enabled.
oracle/wss_saml_token_over_ssl_service_policy	1	This policy authenticates users using credentials provided in SAML tokens in the WS-Security SOAP header. The credentials in the SAML token are authenticated against a SAML login module. The policy verifies that the transport protocol provides SSL message protection. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_saml_or_username_token_with_message_protection_service_policy	1	This policy authenticates users using credentials provided in SAML token or Username token or SAML token with confirmation method 'Bearer' in the WS-Security SOAP header or using credentials in the HTP 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 Basic 128 suite of symmetric key technologies, specifically RSA key mechanisms for message confidentiality, SHA-1 hashing algorithm for message integrity, and AES-128 bit encryption. This policy can be attached to any SOAP based endpoint or any HTTP based endpoint

Figure 11–2 UI Admin wsm-pm Validator

Figure 11–3 UI managed wsm-pm validator

← → C 💿 10.180.85.196:8001/wsm-pm/validator

Policy Manager Status: Operational

Policies (183)

Name	Latest Version	
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/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/wss_saml_token_bearer_service_policy		This policy authenticates users using credentials provided in SAML Bearer token in the WS-Security SOAP header. By default, SAML Bearer token is expected to be signed with an enveloped signature. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_sts_issued_saml_with_message_protection_client_policy	1	This policy inserts SAML Sender vouches assertion issued by a trusted STS (Security Token Service). Messages are protected using client's private key.
oracle/http_wls_security_service_policy	1	This policy verifies that WLS based Security has authenticated the user and has established an identity. This policy can be applied to any Http-based endpoint in disjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-mtom-20050125/ and http://www.w3.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
oracle/soap_request_processing_service_policy	1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
oracle/async_web_service_policy		This policy facilitates enabling and configuring JRF service-side async support.
oracle/no_atomic_transaction_policy		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		This policy inserts SAML HOK assertion issued by a trusted STS (Security Token Service). Messages are protected using proof key material provided by STS.
oracle/no_messageprotection_client_policy	1	This policy facilitates the disabling of a globally attached message protection policy. This will include disabling that whole global policy containing any other assertions in addition to the messageprotection assertion

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 Oracle Banking Platform libraries and applications is *Active*. Following are the details of 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.indirectlending
- 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.coll
- ob.app.host.lending
- ob.app.host.deposits
- ob.app.integration
- 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
 - com.ofss.fc.messaging.py
 - OBPAPI

In addition to the above, the following are the details of XD component librabries and ears. These are applicable for XD media pack installation only.

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

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

OBDLOC 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.indirectlending
 - 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.sh
 - ob.app.host.tp

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

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.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.or
 - ob.app.host.sh
 - ob.app.host.tp
 - ob.app.host.tp.cz
 - ob.app.integration

- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - com.ofss.fc.messaging.or
 - com.ofss.fc.middleware.or
 - com.ofss.fc.webservices.or

OBLS 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.indirectlending
 - 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.communications
 - ob.app.host.fw
 - ob.app.host.indirectlending
 - ob.app.host.lending
 - ob.app.host.sh
 - ob.app.host.tp
 - ob.app.host.tp.cz
 - ob.app.integration
- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring

- com.ofss.fc.messaging.lending
- com.ofss.fc.middleware.lending
- com.ofss.fc.webservices.lending

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.indirectlending
 - 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.deposit
 - ob.app.host.fw
 - ob.app.host.communications
 - ob.app.host.party
 - ob.app.host.sh
 - ob.app.host.tp
 - ob.app.host.tp.cz
 - ob.app.integration
- Ears
 - com.ofss.fc.app.connector
 - com.ofss.fc.app.monitoring
 - · com.ofss.fc.messaging.party
 - com.ofss.fc.middleware.party
 - · com.ofss.fc.webservices.party

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.indirectlending
 - ob.app.client.lending
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pm
 - ob.app.client.pricing
 - ob.app.client.sh
 - ob.app.host.coll
 - ob.app.host.communications
 - ob.app.host.cz
 - ob.app.host.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

JMS Modules

JMS Modules for all XD host servers.

JMS Modules (Filtered - More Columns Exist)

Click the Lock 8	Edit button in the	Change Center to	activate all the	buttons on this nage.

Click	ck the Lock & Edit button in the Change Center to activate all the buttons on this page.							
Ne	w Delete	Showing 1 to 17 of 17 Previous Next						
	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						
Ne	w Delete	Showing 1 to 17 of 17 Previous Next						

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

← → C (i) 10.180.85.195:7001/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 attache to any Http-based client.
oracle/binding_authorization_permitall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy permits all users with any roles. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SOAP-based endpoint.
oracle/wss_saml_token_bearer_service_policy	1	This policy authenticates users using credentials provided in SAML Bearer token in the WS-Security SOAP header. By default, SAML Bearer token is expected to be signed with an enveloped signature. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_sts_issued_saml_with_message_protection_client_policy	1	This policy inserts SAML Sender vouches assertion issued by a trusted STS (Security Token Service Messages are protected using client's private key.
oracle/http_wls_security_service_policy	1	This policy verifies that WLS based Security has authenticated the user and has established an identity. This policy can be applied to any Http-based endpoint in disjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-mtom-20050125/ and http://www.w3.org/Submission/2006/SUBM-soap11mtom10-20060405/ for SOAP 1.2 and SOAP 1.1 bindings, respectively.
oracle/soap_request_processing_service_policy	1	This policy facilitates enabling support for SOAP requests on the web service endpoint.
oracle/no_atomic_transaction_policy	1	This policy facilitates the disabling of atomic transaction support. It also disables globally attached policy of the same policy category/subcategory.
oracle/wss11_sts_issued_saml_hok_with_message_protection_client_policy	1	This policy inserts SAML HOK assertion issued by a trusted STS (Security Token Service). Messages are protected using proof key material provided by STS.
oracle/async_web_service_policy	1	This policy facilitates enabling and configuring JRF service-side async support.
oracle/no_messageprotection_client_policy	1	This policy facilitates the disabling of a globally attached message protection policy. This will include disabling that whole global policy containing any other assertions in addition to the messageprotection and the second

Figure 11–4 HOST admin wsm-pm validator

Figure 11–5 HOST managed wsm-pm validator

← → C (i) 10.180.85.195:8001/wsm-pm/validator

Policy Manager Status: Operational

Policies (183)

Name	Latest Version	
oracle/http_saml20_token_bearer_client_policy	1	This policy includes SAML Bearer v2.0 token in the HTTP header. The SAML Bearer v2.0 token is automatically created. The issuer name and subject name are provided either programmatically or declarative through policy. Audience restriction condition can be specified. This policy can be attached to any Http-based client.
oracle/binding_authorization_permitall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy permits all users with any roles. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SOAP-based endpoint.
oracle/wss_saml_token_bearer_service_policy	1	This policy authenticates users using credentials provided in SAML Bearer token in the WS-Security SOAP header. By default, SAML Bearer token is expected to be signed with an enveloped signature. This policy can be applied to any SOAP-based endpoint.
oracle/wss11_sts_issued_saml_with_message_protection_client_policy	1	This policy inserts SAML Sender vouches assertion issued by a trusted STS (Security Token Service). Messages are protected using client's private key.
oracle/http_wls_security_service_policy	1	This policy verifies that WLS based Security has authenticated the user and has established an identity. This policy can be applied to any Http-based endpoint in disjunction with other authentication policies.
oracle/wsmtom_policy	1	This Message Transmission Optimization Mechanism (MTOM) policy rejects inbound messages that are not in MTOM format and verifies that outbound messages are in MTOM format. MTOM refers to specifications http://www.w3.org/TR/2005/REC-soap12-rntom-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:

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- 1. Start the SOA domain Admin and Managed servers (SOA and human task).
- 2. Navigate to the Summary of Deployments page.
- 3. Verify that the **Status** of the following Oracle Banking Platform libraries and human task files with .ear extension is *Active*.
 - Shared Libraries
 - ob.app.client.coll
 - ob.app.client.communications
 - ob.app.client.cz
 - ob.app.client.deposit
 - ob.app.client.fw
 - ob.app.client.lcm
 - ob.app.client.lending
 - ob.app.client.or
 - ob.app.client.party
 - ob.app.client.pm
 - ob.app.client.pricing
 - ob.app.client.sh
 - ob.ui.coll
 - ob.ui.communications
 - ob.ui.cz
 - ob.ui.deposit
 - ob.ui.fusion
 - ob.ui.lcm
 - ob.ui.lending
 - ob.ui.or
 - ob.ui.party
 - ob.ui.pm
 - ob.ui.pricing
 - ob.ui.sh
 - ob.ui.tp
 - ob.ui.tp.cz
 - Ears
 - com.ofss.fc.app.ui.connector
 - com.ofss.fc.ui.view.mds

- · com.ofss.fc.workflow.ui.batchexceptionrecovery
- com.ofss.fc.workflow.ui.brop
- com.ofss.fc.workflow.ui.CapturePartyFinancialsHumanTask
- · com.ofss.fc.workflow.ui.common.approval
- com.ofss.fc.workflow.ui.dda
- com.ofss.fc.workflow.ui.FeeNegotiationApprovalTask
- com.ofss.fc.workflow.ui.hardshiprelief
- com.ofss.fc.workflow.ui.lcm.PerformManualAllocationUITask
- com.ofss.fc.workflow.ui.lcm.valuation
- com.ofss.fc.workflow.ui.origination
- com.ofss.fc.workflow.ui.PartyMerge
- com.ofss.fc.workflow.ui.ProcessLoanRolloverHumanTask
- 4. Also verify that the standard SOA application soa-infra is in Active state.

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

ORACLE BAM Composer						weblogic	
					Home	Administrator	Designer
User V Data Objects Data Objects Business Queries KPIs Business Views Databoards Alerts Parameters	Dashboards Dashboards	Alerts	Business Views	Models		Data	

Figure 11–6 BAM Composer

Figure 11–7 BAM Composer

ORACLE BAM Composer					weblogic	· ···
					Home Administrator	Designer
User Copen Project Create	Dashboards Dashboards are comp	Cosed of one or more business view	Business Views	Models	Data	

Figure 11–8 BAM Composer

ORACLE BAM Composer						weblogic	
			_		Home	Administrator	Designer
		Open Project	×				
User 💌		Select the project to open					
○ 十 / 音 ひ		Application					
Data Objects		OperationsManager					
 Business Queries KPIs 		User				_	
 Business Views 							
Dashboards	Dashboards		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 11–9.

Figure 11–9 BPM Worklist Window Settings

BPM Worklist ×	Single Sign On - Login × +		
 I0.180.5.14:8001/integration/wo 	klistapp/faces/administration.jspx	∀ C Q Search	☆ 🖻 🖡 🎓 😕 🗏
🙆 Most Visited 🔒 Build Machines 🔒	est Environments 🔒 UX 📙 Grok 逼 OBP Tools 블 Oracle Tools 📮 ADF Related 📮 Primavera 📮 Misc	🦲 Personal 📙 UHC	
ORACLE: BPM Work	st		🙀 ofssuser 🔻 📖
		Administration Evidence Search	Approval Groups Task Configuration
Application Preferences	Application Preferences		Save Revert v
Public Flex Fields	Wo	rklist Action Menu 💿 Show 💮 Hide	^
Protected Flex Fields	Map Task ac	ctions to an image 💈 🔶 💌	
		⊠ → ▼	
	10g Workspac	e Application URL	
	TIEX FIEN	d INTEGER Display	
		Activity Guide	
	The interval to wait for Activity Guide for poll requests to	access next task 300	
	Maximum number of times Activity Guide should poll to mov	ve to the next task 10	
		Task Forms (Requires Task Forms Servers Restart)	E
	File Types A	Allowed for Upload	
Copyright © 2005, 2016. Oracle and/or its		n external window 💩 Enable 💮 Disable	-

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 Platform.

13.1 OBP Domain Installation

In general, any environmental condition such as a network error that may lead to a halt in the installation is evident to you on the console itself. You can additionally inspect WLST logs created in logs directory under middleware for any anomalies.

While creating OBP SOA domain, ignore the following error:

Error: No domain or domain template has been read.

Error: No domain or domain template has been read.

Figure 12–1 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 OBP Security Policy Seeding

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

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

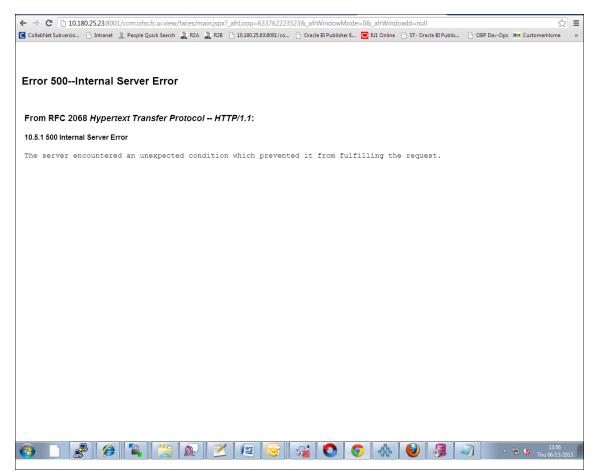
Once the post install script is completed successfully, you can start the domain servers and enter a dummy transaction to check the system correctness. If you face an error you can inspect the stderr log, the WebLogic domain managed server logs as well as the ofss logs under domain directory.

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 12–2 Error on First Log In



In this case, remove the part of the url after '/main.jspx', and then hit the rest of the url (Example: https://10.180.25.23:8001/com.ofss.fc.ui.view/faces/main.jspx) again.

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 OBP installation, in SOA cluster environment, the following error might be seen in SOA server logs.

Internal Exception: java.sql.SQLSyntaxErrorException: ORA-00904:

"COMPONENTTYPE": invalid identifier

Though this is not a fatal kind of exception, it can be resolved by adding one more column **componenttype** of size **10** with **char** type in **soainfra** schema for table **cluster_master**.

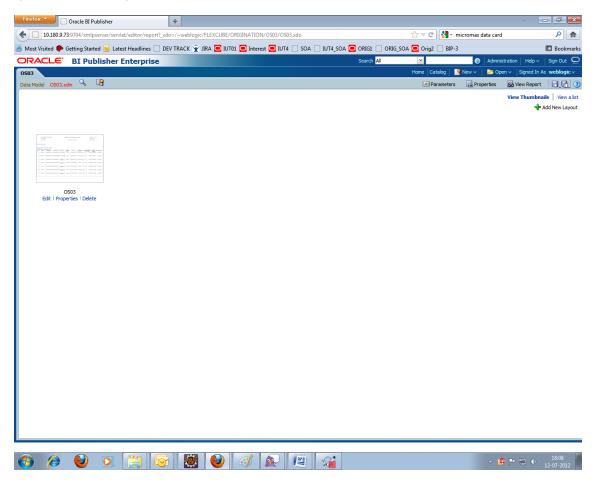
For example on Oracle database user needs to run the following command on soainfra schema:

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

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

After editing a report, click the magnifying glass icon select the data model associated with this report. (Here <u>OS03.xdm</u> 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 12–3 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 (OAS) 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 12–4 BPM Worklist Task issue

1000	xCgs - Your GET X CEP DexOgs X D SPM Worklast X CE Drace Banking Partners X			4.20 ×	-
	Not secure sept.//10.180.86.237/8002/integration/workitstapp/faces/home.ppx				†
Apps D	OBP DexOps 🗅 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 12–5 Artifacts Issue for SM500 page

🚯 Oracle Test Manager x 😨 [OBPR2501-1934] LN100_res: X 🖻 Oracle Banking Platform X 💽 Oracle Banking Platform 🗴 +				• • • ×
(€) (€ https://10.180.6.118.8002/com.ofss.fc.ui.view/faces/main.jspx	C Q Search	★ 🗎	4 🏦	
🖉 Most Visited 🛞 OBP DevOps 🛞 OID 互 SVN 🥃 BLRT07 🧰 T21 🧰 T09 BATCH 🧖 T09 🛞 SOA Composer 🧰 T27 🖓 Oracle Test Manager 🛞 T27 SOA C	omposer 🕱 jira 🛱 2601 jira 🥃 suncorp24 🥃 T09 PMC	60 🖸 Primavera - Timesheets		
	Fast Path	3 * * × 0-	manjuna_	us - 🚥
★ SM500 ×				
Artifact Dependency Map			Print	× Eyit
A diact bependency map			.B. Lund	× côr
Resource Search				
Search Text Provide any provide starting of the start starts and the start starts and the start start that containing the resource description. (Example : 'deposit cash', 'address tashflow', OK). 2. For graded any provide starting of the start in the read account esarch. 3. For graded start and form starts plane use tasks contraining the start start that pather. (Example : 'deposit cash', 'address tashflow', OK). 5. For graded start and form starts plane use tasks contraining the start start that pather. (Example : 'deposit cash', 'address tashflow', OK). 5. For graded start and form starts plane user tasks contrained the start. (Ramel - 'deposit cash', 'address tashflow', 'dM154:ERV/CE-Onter). 5. For graded start and there start plane task tasks and tasks contrained the tasks. 5. For graded starts and the start starts plane task tasks and the start of the start. (Ramel - 'dB154:ERV/CE-Onter). 5. For graded starts and the starts and the start and the start of the start. (Ramel - 'dB154:ERV/CE-Onter). 6. For grades tasks and the start starts plane task plane task', base tasks and the start of the start. (Ramel - 'dB154:ERV/CE-Onter). 7. A maximum of the start and the start and the start of the start of the start of the start. 7. A maximum of the starts and the start starts plane task', base task plane task', base task', bask', base task', base', base task', bask', base', base',				
				ш. •
General Details Permissions Approval Checks Severity Service Attributes Service Javadoc		- P-	鮮 12 %	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 12–6 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.

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14 Uninstalling the Application

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

14.1 Manual Uninstall

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

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