Oracle® Banking Platform

Installation Guide - Silent Installation Release 2.4.0.0.0 **E64764-01**

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Oracle Banking Platform Installation Guide - Silent Installation, Release 2.4.0.0.0

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Preface

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

This preface contains the following topics:

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

Audience

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

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

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/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, "Oracle Banking Platform Host Media Pack Installation"

This chapter details every step involved in the installation, and post installation and configuration of Oracle Banking Platform Host Media pack.

Chapter 4, "Oracle Banking Platform Presentation Media Pack Installation"

This chapter details every step involved in the installation, and post installation and configuration of Oracle Banking Platform Presentation (UI) Media pack.

Chapter 5, "Oracle Banking Platform SOA Media Pack Installation"

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

Chapter 6, "Oracle BAM Installation using OBP SOA Media Pack"

This chapter details every step involved in the installation, and post installation and configuration of Oracle BAM using OBP SOA Media pack.

Chapter 7, "Oracle Banking Platform Reference Process Models Media Pack Installation"

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

Chapter 8, "Standalone Database Setup – Running Repository Creation Utility (RCU)"

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

Chapter 9, "Oracle Banking Platform and IPM Integration"

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

Chapter 10, "BIP Datasource Creation"

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

Chapter 11, "Monitoring Servers Using Oracle Enterprise Manager"

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

Chapter 12, "Post Installation Verification"

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

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

Conventions

The following text conventions are used in this document:

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

The following acronyms are used in this document:

Acronym	Meaning
OBP	Oracle Banking Platform
UI	User Interface that is Presentation Tier
HOST	Middleware Host Tier
SOA	Service Oriented Architecture Tier

Acronym	Meaning
DB or db	Oracle Database
OEL	Oracle Enterprise Linux
SVN	Source Code Version Repository
RCU	Repository Creation Utility
WLS	WebLogic Server
sh	Unix Shell file
OID	Oracle Internet Directory
ORMB	Oracle Revenue Management and Billing

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) is a one-stop solution for a bank for its core banking operations, across retail offerings. 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 Guide

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

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

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

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

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

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

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

1.4 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.

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 6.4	Oracle Banking Platform Oracle Database
2	4	32	200	OEL 6.4	Oracle Banking Platform ADF UI Presentation Server
3	4	32	200	OEL 6.4	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 OID certification matrix.	Oracle IPM Server
6	2	16	200	As per OID certification matrix.	Oracle BIP Server
7	4	32	200	As per OID certification matrix.	Oracle SOA Server
8	4	16	200	As per OID certification matrix.	Oracle BAM Server

Table 2–1 Hardware and OS

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	Banking	Oracle ADF Run Time 11.1.1.9
	Presentation	Арр	Oracle Weblogic Server 10.3.6
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit
2	SOA	Banking	Oracle SOA Suite 11.1.1.9
		Арр	Oracle Weblogic Server 10.3.6
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit
3	OBP HOST	Banking	Oracle Weblogic Server 10.3.6
		Арр	Oracle Database 12c Enterprise Edition Release 12.1.0.2.0
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit
4	OID and OES	Security	Oracle Entitlement Server (IAM Suite) 11.1.2.3
			Oracle Internet Directory (IDM Suite) 11.1.1.9
			Oracle Weblogic Server 10.3.6
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit
5	BIP	Document	Oracle Business Intelligence 11.1.1.9
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit
6	IPM	Document	Oracle WebCenter - Content 11.1.1.9
			Oracle Weblogic Server 10.3.6
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit
7	OSB	Integration	Oracle Service Bus 11.1.1.9
			Oracle Weblogic Server 10.3.6
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit
8	ODI	Integration	ODI 11.1.1.9
			Oracle Weblogic Server 10.3.6
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit

Sr. No.	Components	Zone	Software
9	OIM	Security	Oracle IAM 11.1.2.3 Suite
			Oracle Weblogic Server 10.3.6
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit
10	OAAM	Security	Oracle IAM 11.1.2.3 Suite
			Oracle Weblogic Server 10.3.6
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit
11	OAM	Security	Oracle IAM 11.1.2.3 Suite
			Oracle Weblogic Server 10.3.6
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit
12	OEM	Management	Oracle Enterprise Manager 12.1.0.4.0
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit
13	EM Agent Installation	Management	Push from OEM Console
14	OBP Database	Database	Oracle Database 12c Enterprise Edition Release 12.1.0.2.0
			Oracle Linux 6.4 64-bit
15	HTTP Server	Web Server	Oracle HTTP Server 11.1.1.9
16	BAM	Banking App	Oracle SOA Suite 11.1.1.9
			Oracle Weblogic Server 10.3.6
			Java Version jdk1.7.0_xx
			Oracle Linux 6.4 64-bit

 Table 2–2
 (Cont.)
 List of Software

The following are some notes related to the software.

	Table	2–3	Notes
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Serial Number	Description
1	OBP release has been certified with OEL version 6.4 during the release cycle. It is strongly recommended to use the versions on which the release is certified.
2	Oracle Business Intelligence Publisher is required at the time of OBP installation. It is required to use the actual BIP property values during the installation. This is required as the installer uploads the OBP reports as onto the BIP server as part of the middleware host installation process.

Serial Number	Description
3	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.
	However, it is strongly recommended to use the actual property values instead of default property values during the installation.
	Else, the actual values for ODI_OUTBOUND_USERNAME and ODI_ OUTBOUND_PASSWORD once available have to be manually updated in the 'ra/FCRJConnectorODI' jndi property of com.ofss.fc.app.connector.ear application inside middleware host server after the entire installation completes.
4	The OBP installer will not abort the installation if this component is not present. It can be installed later.
	It is strongly recommended to use the actual property values instead of default property values during the installation. Else, these properties have to be manually updated in Host Database after the entire installation completes.
5	OIM_OUTBOUND_USERNAME and OIM_OUTBOUND_PASSWORD
	The OBP installer will not abort the installation if this component is not present. It can be installed later.
	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	The patch p19637463 needs to be downloaded from support.oracle.com and applied on the Oracle WebLogic 10.3.6 installation. This patch supersedes all patches that were released for 10.3.6.
8	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.
9	It is mandatory for Oracle Toplink 12c (12.1.3) to be installed on the machine where OBP Host Media pack installation is planned. This path is required as input in the installer properties and has been mentioned in the checklist table.
10	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.
11	Download the jce_policy.zip from Oracle website for the current Java version being used. For jdk1.7.0_xx, download UnlimitedJCEPolicyJDK7.zip from the following link:
	http://www.oracle.com/technetwork/java/javase/downloads/jce-7-download- 432124.html
	Copy "local_policy.jar" and "US_export_policy.jar" from this zip file in the path mentioned below:
	JAVA_HOME/jre/lib/security/

Table 2–3 (Cont.) Notes

JAVA_HOME/jre/lib/security/

Serial Number	Description
12	It is mandatory that the team installing OBP reads and understands the system requirements and specifications for the fusion middleware specified in the following link:
	http://docs.oracle.com/html/E18558_01/fusion_requirements.htm
	The link details the system and platform-specific information for Oracle Fusion Middleware 11g Release 1 (11.1.1.9.0) products.
	Changes necessary at a system level for the fusion middleware should be made prior to executing OBP media packs.
	For example, the number of open files should be increased from the default value as specified in the following link:
	http://docs.oracle.com/html/E18558_01/fusion_requirements.htm#BABFCFIF
13	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.
14	It is mandatory for SOA Suite to be installed in machine nodes on which OBP BAM Installation is planned.
15	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.

Table 2–3 (Cont.) Notes

2.1.2.2 Optional

The following software is optional:

Oracle VM server release 2.2.3

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 setup.py install).

tar -xvzf suds-0.4.tar.gz

tar -xvzf docutils-0.12.tar.gz

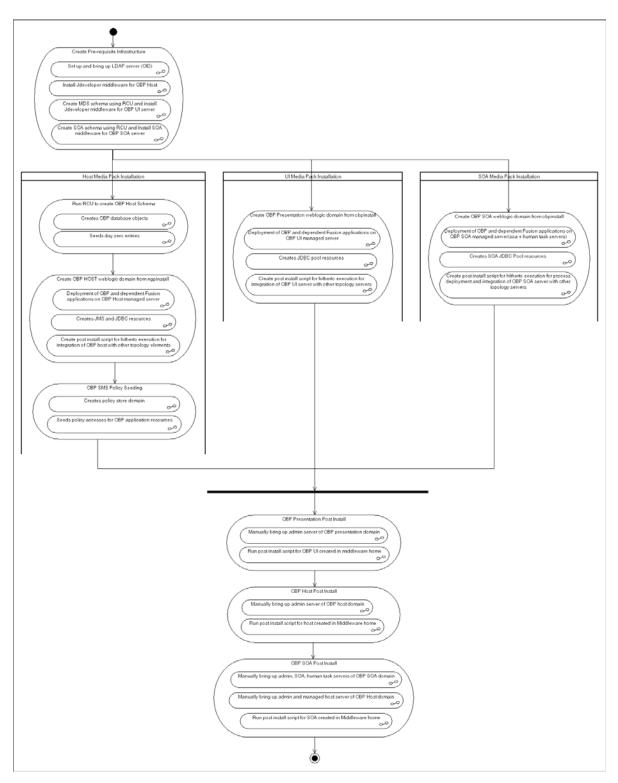
tar -xvzf wstools-0.4.3.tar.gz tar -xvzf SOAPpy-0.12.5.tar.gz tar -xvzf PyYAML-3.11.tar.gz tar -xvzf JPype1-0.5.7.tar.gz chmod -R 777 * cd suds-0.4 python setup.py install cd ../docutils-0.12 python setup.py install cd ../wstools-0.4.3 python setup.py install cd ../SOAPpy-0.12.5 python setup.py install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

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





2.3 Installation Checklists

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

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

The link details the system and platform-specific information for Oracle Fusion Middleware 11g Release 1 (11.1.1.9.0) products.

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

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

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

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

2.3.1 Updating installobp***.properties

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

Sr. No	Name	Description	Example Value	Value
1	JPS_CONTEXT_ DSN	The DSN used for object class jpsroot in the OID LDAP.	jpsroot	
2	OID_IP	IP address of the OID server.	10.180.25.164	
3	OID_PORT	Port of the OID process instance.	3060	
4	OID_ADMIN_ USER	Admin user id which can be used to log in as the OID administrator.	cn=orcladmin	
5	OID_ADMIN_ PWD	Refers to the password of admin user of the OID.	welcome1	
6	OID_DOMAIN_ NAME	Refers to the domain name to be used for the WebLogic domain for seeding OBP policies. This name will be used to re-associate the Presentation and Host WebLogic installation domain.	obpdomain	
7	OID_DOMAIN_ PORT	Refers to the port number to be used for the WebLogic domain for seeding OBP policies. This port should be free on the UI Presentation server.	7005	
8	OID_GROUP_ DSN	The DSN used for object class Groups in the OID LDAP.	cn=Groups,dc=oracle, dc=com	
9	OID_USER_DSN	The DSN used for object class Users in the OID LDAP.	cn=Users,dc=oracle, dc=com	
10	POLICY_ SEEDING_TYPE	LDAP or DB. Refers to the type of policy seeding required for installation and reassociation with OID.	DB	

Table 2–4 Values for updating installobp***.properties

Sr. No	Name	Description	Example Value	Value
11	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	
12	OUI_JAVA_ HOME	Refers to the home directory of java installation. The version of java installed should be 1.7.0. This is used for OBP patching.	/oracle/app/product/ jdk-1.7.0.9.x86_64	
13	CENTRAL_ INVENTORY_ LOC	Refers to the path of central inventory. This path is used for OUI patching.	/scratch/app/oraInventor y	
14	UI_IP	IP address of the server on which the OBP presentation or UI layer should be installed.	10.180.25.166(Always use IP, don't use localhost)	
15	UI_MW_HOME	Refers to the middleware home of the WebLogic installation on the UI server.	/oracle/app/product/ fmw	
16	UI_TARGET	Refers to a location on the UI server where the installables can be transferred. The user id used for installation of OBP should have read, write and execute privileges on this directory.	/home/oracle/software	
17	UI_JAVA_HOME	Refers to the home directory of java installation. The version of java installed should be 1.7.0 or above. This is used to execute the OBP security policies seeding utility at the end of the installation.	/oracle/app/product/ jdk1.7.0_80	
18	HOST_IP	IP address of the server on which the OBP host or middleware layer should be installed.	10.180.25.165(Always use IP, don't use localhost)	
19	HOST_MW_ HOME	Refers to the middleware home of the WebLogic installation on the Host server.	/oracle/app/product/ fmw	
20	HOST_TARGET	Refers to a location on the Host server where the installables can be transferred. The user id used for installation of OBP should have read, write and execute privileges on this directory.	/home/oracle/software	
21	INSTALL_AS	Linux login user id used to install the OBP solution.	oracle	
22	LOCAL_IP	IP 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.	10.180.91.50	
23	BIP_SERVER_IP	IP of the BIP server to host OBP reports	10.180.9.73	

 Table 2–4 (Cont.) Values for updating installobp***.properties

Sr. No	Name	Description	Example Value	Value
24	BIP_SERVER_ PORT	Port of the BIP server that hosts OBP reports	9704	
25	IPM_SERVER_IP	IP of Oracle Image and Processing Server for OBP Content Management	10.180.9.97	
26	IPM_SERVER_ PORT	Port of Oracle Image and Processing Server for OBP Content Management	16000	
27	OAAM_	OAAM server IP for 2FA.	ofsmud6vm1106.i-flex.com	
	SERVER_IP	OAAM_SERVER_IP refers to the IP address of OAAM Server (that is, the IP of default server name as		
		oaam_server_server1)		
28	OAAM_	OAAM server Port for 2FA.	14300	
	SERVER_PORT	OAAM_SERVER_PORT refers to the port of OAAM Server (default server name as oaam_server_server1)		
29	OIM_SERVER_IP	Oracle Identity Manager IP	10.180.91.223	
30	OIM_SERVER_ PORT	Oracle Identity Manager Port	9001	
31	OFSAA_ SERVER_IP	OFSAA Server IP	10.184.134.19	
32	OFSAA_ SERVER_PORT	OFSAA Server Port	9538	
33	OBP_HOST_DB_ USER	OBP Host database user	st_appuser	
34	OBP_HOST_DB_ IP	OBP Host database IP	10.180.90.30	
35	OBP_HOST_DB_ PORT	OBP Host database port	1521	
36	OBP_HOST_DB_ SERVICE_NAME	OBP Host database service name	OBPDB	
37	OBP_IPM_ MAIN_APP_ NAME	OBP Content Main Application Name	ST_MAIN	
38	OBP_IPM_ TEMP_APP_ NAME	OBP Content Temp Application Name	ST_TEMP	
39	HOST_ADMIN_	Host domain admin JVM startup	-Xms1024m	
	JVM_PARAMS parameters	parameters	-Xmx4096m	
			-XX:PermSize=512m	
			-XX:MaxPermSize=1024m	

Table 2–4 (Cont.) Values for updating installobp***.properties

Sr. No	Name	Description	Example Value	Value
40	HOST_ MANAGED_ JVM_PARAMS	ANAGED_ parameters	-Xms4096m	
			-Xmx8162m	
			-XX:PermSize=1024m	
			-XX:MaxPermSize=2048m	
			-XX:NewSize=2048m	
			-XX:MaxNewSize=4096m	
			-XX:+UseParNewGC	
			-XX:+CMSParallelRemarkE nabled	
			-XX:+UseConcMarkSweep GC	
			-XX:CMSInitiatingOccupan cyFraction=75	
41	UI_ADMIN_	UI domain admin JVM startup	-Xms2048m -Xmx4096m	
	JVM_PARAMS	parameters	-XX:MaxPermSize=2048m	
42	UI_MANAGED_ JVM_PARAMS		-Djbo.ampool.doampooling =false	
			-Xms4096m	
			-Xmx6084m	
			-XX:MaxPermSize=2048m	
			-XX:NewSize=512m	
			-XX:MaxNewSize=2048m	
			-XX:+UseParNewGC	
			-XX:+CMSParallelRemarkE nabled	
			-XX:+UseConcMarkSweep GC	
			-XX:CMSInitiatingOccupan cyFraction=75	
			-Djbo.load.components.lazil y=true	
			-Dobp.http.maxRetryCount =1	
			-Dobp.http.socketBufferSiz e=8192	
			-Dobp.http.connectionTime out=600000	
			-Dobp.http.expireAndRetry =true	
			-Dobp.http.maxConnection sPerHost=150	
			-Dobp.http.idleTimeoutPoll Interval=10000	
			-Dobp.http.staleCheckEnab led=false	

 Table 2–4 (Cont.) Values for updating installobp***.properties

Sr. No	Name	Description	Example Value	Value
43	SOA_ADMIN_ JVM_PARAMS		-Xms1024m -Xmx2048m	
			-XX:PermSize=512m	
			-XX:MaxPermSize=1024m	
44	SOA_	SOA domain managed SOA server's	-XX:NewSize=2048m	
	MANAGED_ JVM_PARAMS	JVM startup parameters	-XX:MaxNewSize=4096m	
			-XX:+UseParNewGC	
			-XX:+CMSParallelRemarkE nabled	
			-XX:+UseConcMarkSweep GC	
			-XX:CMSInitiatingOccupan cyFraction=75	
			-Xms8192m	
			-Xmx15360m	
			-XX:PermSize=1024m	
			-XX:MaxPermSize=2048m	
45	SOA_ HUMANTASKSE	UMANTASKSE JVM startup parameters /ER_JVM_	-Djbo.ampool.doampooling =false	
	RVER_JVM_ PARAMS		-Xms4096m	
			-Xmx6084m	
			-XX:MaxPermSize=2048m	
			-XX:NewSize=512m	
			-XX:MaxNewSize=2048m	
			-XX:+UseParNewGC	
			-XX:+CMSParallelRemarkE nabled	
			-XX:+UseConcMarkSweep GC	
			-XX:CMSInitiatingOccupan cyFraction=75	
			-Dobp.http.maxRetryCount =1	
			-Dobp.http.socketBufferSiz e=8192	
			-Dobp.http.maxConnection sPerHost=20	
			-Dobp.http.expireAndRetry =true	
			-Dobp.http.maxConnection sPerHost=150	
			-Dobp.http.connectionTime out=600000	
			-Dobp.http.idleTimeoutPoll Interval=10000	
			-Dobp.http.staleCheckEnab le=false	

Table 2–4 (Cont.) Values for updating installobp***.properties

Sr. No	Name	Description	Example Value	Value
46	OBP_IPM_UCM_ CONN_NAME	UCM Connection Name	UCM_Connection	
47	OBP_IPM_UCM_ CONN_PORT	UCM Connection port	4444	
48	HOST_JAVA_ HOME	Refers to the home directory of java installation of the host machine. The version of java installed should be 1.7.0 or above. This is used to execute the OBP security policies seeding utility at the end of the installation.	/scratch/app/product/jdk 1.7.0_80	
49	SOA_JAVA_ HOME	Refers to the home directory of java installation of the SOA machine. The version of java installed should be 1.7.0 or above. This is used to execute the OBP security policies seeding utility at the end of the installation.	/scratch/app/product/jdk 1.7.0_80	
50	UI_UNIX_USER	Linux login user id used to install the OBP UI solution.	oracle	
51	UI_DOMAIN_ NAME	Refers to the domain name to be used for the WebLogic domain of the OBP Presentation server	obpuidomain	
52	BIP_UNIX_USER	Linux login user id for BIP server	oracle	
53	BIP_HOME	Oracle BIP Home directory on BIP server	/oracle/app/product/fmw 1/Oracle_BI1	
54	BIP_INSTANCE_ PATH	Oracle BIP Instance directory on BIP server	/oracle/app/product/fmw 1/instances/instance1	
55	BIP_SERVER_ USER	Oracle BIP server user id	WebLogic	
56	BIP_REPORT_ BASE_PATH	Logical Base Path on Oracle BIP server under which OBP reports would be hosted	/OBP/REPORTS	
57	BIP_ DATASOURCE_ NAME	OBP Host database user used by OBP report to fetch data for reports	OBP_HOSTDBUSER	
58	LOCAL_ DISPLAY_ VALUE	Value of DISPLAY variable to be exported to generate installation wizard in local machine	0.0	
59	OPSS_SEED_ TYPE	Type of OID seeding. It should be either PolicyStore or BulkLoad	PolicyStore	
60	DOMAIN_ NAME	WebLogic Domain name	Obptestdomain	
61	DOMAIN_ DIRECTORY_ LOCATION	Location where DOMAIN_NAME folder will be created	/oracle/app/product/fmw /user_projects/domains	
62	WEBLOGIC_ USERNAME	Username for WebLogic domain	WebLogic	
63	WEBLOGIC_ PASSWORD	Password for WebLogic domain	WebLogic1	

 Table 2–4 (Cont.) Values for updating installobp***.properties

Sr. No	Name	Description	Example Value	Value
64	MDS_SCHEMA_ USER (For UI) MDS_HOST_DB_ USER (For HOST)	MDS schema user to be used by UI and Host domain	DEV_MDS	
65	MDS_SCHEMA_ PASSWORD (For UI), MDS_HOST_DB_ PASSWORD (For HOST)	MDS schema Password of MDS schema user to be used by UI and Host domain	Welcome1	
66	MDS_DB_IP (FOR UI) MDS_HOST_DB_ IP (For HOST)	MDS DB IP address of MDS schema user to be used by UI and Host domain	10.180.25.200	
67	MDS_DB_PORT (FOR UI) MDS_HOST_DB_ PORT (For HOST)	MDS DB port of MDS schema user to be used by UI and Host domain	1521	
68	MDS_DB_ SERVICE_NAME (FOR UI) MDS_HOST_DB_ SERVICE_NAME (For HOST)	MDS DB service name of MDS schema user to be used by UI and Host domain	OBPDB	
69	ADMIN_ SERVER_ LISTEN_ ADDRESS	Admin server listen address	10.180.25.23 (Always use IP, don't use localhost)	
70	ADMIN_ SERVER_ LISTEN_PORT	Admin server listen port	7001	
71	ADMIN_ SERVER_SSL_ LISTEN_PORT	Admin server SSL listen port	7002	
72	MANAGED_ SERVER_ LISTEN_ ADDRESS	Managed server listen address	10.180.25.23 (Always use IP, don't use localhost)	
73	MANAGED _ SERVER_ LISTEN_PORT	Managed server listen port	8001	
74	MANAGED _ SERVER_SSL_ LISTEN_PORT	SSL listen port for managed server	8002	

 Table 2–4 (Cont.) Values for updating installobp***.properties

Sr. No	Name	Description	Example Value	Value
75	LDAP_ PROVIDER	OID or OVD	OID	
76	HOST_ MANAGED_ SERVER_ LISTEN_ ADDRESS	Listen address of host managed server 10.180.25.15 (Always use II don't use localhost)		
77	HOST_ MANAGED_ SERVER_ LISTEN_PORT	Listen port of host managed server 8001		
78	SOA_ MANAGED_ SERVER_ LISTEN_ ADDRESS	JAGED_ IP, don't use localhost) 'ER_ EN_ EN_ IP, don't use localhost		
79	SOA_ MANAGED_ SERVER_ LISTEN_PORT	Listen port of SOA server	8001	
80	MDS_SCHEMA_ USER	MDS schema user for SOA domain	DEV2_MDS	
	(For SOA)			
81	BAM_SCHEMA_ USER	BAM schema user for SOA domain	DEV2_ORABAM	
	(For SOA)			
82	SOA_ INFRASTRUCTU RE_SCHEMA_ USER	SOA infrastructure schema user for SOA domain	DEV2_SOAINFRA	
	(For SOA)			
83	USER_ MESSAGING_ SERVICE_ SCHEMA_USER	User messaging schema user for SOA domain	DEV2_ORASDPM	
	(For SOA)			
84	SOA_SERVER_ LISTEN_ ADDRESS	Listen address of SOA server	10.180.25.113 (Always use IP, don't use localhost)	
85	SOA_SERVER_ LISTEN_PORT	Listen port of SOA server	8001	
86	SOA_SERVER_ SSL_LISTEN_ PORT	SSL listen port of SOA server	8002	
87	HUMANTASK_ SERVER_ LISTEN_ ADDRESS	Listen address of human task server	10.180.25.113 (Always use IP, don't use localhost)	
88	HUMANTASK_ SERVER_ LISTEN_PORT	Listen port of human task server	9001	

 Table 2–4 (Cont.) Values for updating installobp***.properties

Sr. No	Name	Description	Example Value	Value	
89	HUMANTASK_ SERVER_SSL_ LISTEN_PORT	SSL listen port of human task server	9002		
90	KEYSTORE_ PASSWORD	Password for generating certificate	Welcome1		
91	UI_SSL_ PASSWORD	Password for configuring SSL in UI Welcome1 domain			
92	UCM_READ_ FROM_URL	Flag for getting UCM URL from properties file.	true/false		
		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.			
93	UCM_IP IP of UCM		Ofss.ucm.com		
		UCM_IP the IP address of the UCM WebLogic managed server.			
94	UCM_PORT	Port of UCM.	4444		
		UCM_PORT refers to the IntradocServerPort property from			
		\$DomainHome/ucm/cs/config/con fig.cfg By default, this value is 4444.			
95	***_ OUTBOUND_ USERNAME	Username created in connector	WebLogic		
96	***_ OUTBOUND_ PASSWORD	Password for the user in connector	WebLogic1		
97	OES_IP	IP of the OES machine	10.180.25.116		
98	OES_DOMAIN_ NAME	Domain created in OES by using the Authorization Policy Manager.	obpdomain		
99	OES_UNIX_ USER	Unix user of the OES Machine	oracle		
100	OES_MW_ HOME	Middleware home in OES machine	/scratch/app/product/fm w_oes		
101	OES_JAVA_ HOME	JAVA_HOME of OES machine	/scratch/app/product/jdk 1.7.0_80		
102	OES_DB_IP	IP of the OES DB machine	10.180.25.200		
103	OES_DB_PORT Port of OES DB 15		1521		

Table 2–4 (Cont.) Values for updating installobp***.properties

Sr. No Name		Description	Example Value	Value	
104	OES_SCHEMA_ USER	Username of OES DB schema	DEV3_MDS		
105	OES_SCHEMA_ PASSWORD	Password of OES DB schema Welcome1			
106	OES_DB_ SERVICE_NAME	E Service name of OES DB OBPDB			
107	HOST_DB_ SCHEMA_ CREATION_ FLAG	CHEMA_ creation REATION_			
108	OID_FARM_ AND_POLICY_ SEEDING_FLAG	Flag for OID farm creation and policy seeding	Y		
109	BIP_REPORTS_ UPLOADING_ FLAG	Flag for BIP reports uploading	Y		
110	USER_ TIMEZONE	Time zone entry	+5:30		
111	SILENT_ INSTALL	Flag for installing silent or interactive mode	у		
112	DOMAIN_ NAME				
113	UI_ADMIN_ SERVER_ LISTEN_ ADRESS	N_ Listen address of UI admin server 10.180.25.23			
114	UI_ADMIN_ SERVER_ LISTEN_PORT				
115	SOA_IP	IP address of SOA machine	10.180.25.113		
116	SOA_UNIX_ USER	Unix username of SOA machine	ofssobp		
117	SOA_MW_ HOME	Refers to the middleware home of the WebLogic installation on the SOA server.	/scratch/app/product/fm w		
118	SOA_ WEBLOGIC_ USERNAME	LOGIC_ domain			
119	SOA_ WEBLOGIC_ PASSWORD				
120	UI_DOMAIN_ NAME	Name of UI domain Ui_domain			
121	BIP_SERVER_ PSWD	ER_ Password of BIP server WebLogic1			
122	UI_MANAGED_ SERVER_ LISTEN_ ADDRESS		10.180.25.23		

Table 2–4 (Cont.) Values for updating installobp***.properties

Sr. No	Name	Description	Example Value	Value	
123	UI_MANAGED_ SERVER_ LISTEN_PORT	Listen port of UI managed server	8001		
124	DOCUMAKER_ SERVER_IP	IP address of Documaker server	10.180.25.64		
125	DOCUMAKER_ SERVER_PORT	Listen port of Documaker server	8005		
126	HOST_DB_ SCHEMA_ PREFIX	Prefix of HOST application DB schema (Maximum length of characters: 12)	DEV		
127	HOST_ADMIN_ SERVER_ LISTEN_ ADDRESS	Listen address of HOST admin server	10.180.25.15		
128	HOST_ADMIN_ SERVER_ LISTEN_PORT	Listen port of HOST admin server	8001		
129	SOA_TARGET	Target folder of SOA machine where files will be copied temporarily during installation	/scratch/app/product/fm w/target		
130	BAM_SERVER_ LISTEN_ ADDRESS	Listen address of BAM server	10.180.25.113		
131	BAM_SERVER_ LISTEN_PORT	Listen port of BAM server	9003		
132	BAM_SERVER_ SSL_LISTEN_ PORT	SSL listen port of BAM server	9004		
133	UI_DOMAIN_ HOME	Full path of UI domain	/scratch/app/product/fm w/user_ projects/domains/ui_ domain		
134	DB_IP	IP address of the machine where DB schemas for SOA created	10.180.24.54		
135	DB_PORT	Port of the DB where DB schemas for SOA created	1521		
136	DB_SERVICE_ NAME	Service name of the DB where DB schemas for SOA created			
137	CARD_ USERNAME	Username of Card connector	orakey		
138	CARD_ PASSWORD	Password of Card connector	welcome1		
139	RULE_ USERNAME	Username of Rule connector	orakey		
140	RULE_ PASSWORD	Password of Rule connector	welcome1		
141	BAM_ Username of BAM connector USERNAME		WebLogic		

Table 2–4 (Cont.) Values for updating installobp***.properties

Sr. No	Name	Description	Example Value	Value
142	BAM_ PASSWORD	Password of BAM connector WebLogic1		
143 DEFAULT_ BANK_CODE		Default bank code will be set while configuring SOA domain	48	
	(For SOA)			
144	DEFAULT_ TRANSACTION _BRANCH_ CODE	TRANSACTION configuring SOA domain _BRANCH_		
	(For SOA)			
145	DEFAULT_ TARGET_UNIT	Default target unit will be set while configuring SOA domain	TARGET_NAME	
	(For SOA)			
146	UI_HOST_ NAME	Host name of the UI machine	Ofss25879	
147	SOA_ORACLE_ HOME	Name of Oracle SOA which is present in fusion middleware	OracleSOA1	
148	POLICY_DB_IP	IP of the OES db machine used for DB Based Policy Seeding	10.180.25.200	
149	POLICY_DB_IP	Port of OES db used for DB Based Policy Seeding	1521	
150	POLICY_DB_ USER	Username of OES db schema used for DB Based Policy Seeding	DEV3_MDS	
151	POLICY_DB_ PASSWORD	Password of OES db schema used for Welcome1 DB Based Policy Seeding		
152	POLICY_DB_IP	LICY_DB_IP Service name of OES db used for DB Based Policy Seeding		
153	HOST_ OPATCH_ CEATION_FLAG	Whether the OPatch Setup has to be made available in Host Server	Y	
154	UI_OPATCH_ CEATION_FLAG	Whether the OPatch Setup has to be made available in UI Server	Y	
155	SOA_OPATCH_ CEATION_FLAG	Whether the OPatch Setup has to be made available in SOA Server	Y	
156	TOPLINK_ INSTALLATION _PATH	Oracle Toplink 12c (12.1.3) Installation Path in the Host Server		

 Table 2–4 (Cont.) Values for updating installobp***.properties

Sr. No	Name	Description	Example Value	Value
157	HOST_SSL_ PASSWORD	Password for configuring SSL in HOST domain welcome1		
158	SOA_SERVER_ NAME	VALUE OF THIS PROPERTY SHOULD NOT BE CHANGED AND SHOULD BE LEFT AS IT IS SHIPPED ALONG WITH THE MEDIA PACK. NAME OF MANAGED SOA SERVER SHOULD ALWAYS BE "soa_server1"	soa_server1	
159	BAM_ INSTALLATION	During SOA installation value should be N During BAM installation value should be Y	N	

Table 2–4 (Cont.) Values for updating installobp***.properties

2.3.2 Database and WebLogic Domain Configuration

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

Sr. No.	Name	Description and Example	Value
UI and Host Linux user login details			
1.	UI / Presentation Linux server user id	This is same as INSTALL_AS captured in the checklist above.	
2.	UI / Presentation Linux server user password	Password for the user specified against INSTALL_AS.	
3.	Host Linux server user id	This is same as INSTALL_AS captured in the checklist above.	
4.	Host Linux server user password	Password for the user specified against INSTALL_AS.	
Database Details			
5.	IP address of the 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	******	

 Table 2–5
 Oracle Banking Platform DB and WebLogic Domain Configuration

Sr. No.	Name	Description and Example	Value
Additional UI Install Checklist			
9.	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.	
10.	List of port numbers for the Oracle Banking Platform UI domain for:	Default Values Admin Server Port: 7001 Managed Server http port: 15308	
	Admin server	Managed Server https port: 15309	
	HTTP port for managed server		
	HTTPS port for managed server		
11.	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.	
12.	Password for keystore generated to establish trust.	Decide on the password to be used and note it. This is required for the post installation tasks UI domain.	
Additional Host Install Checklist			
13.	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.	
14.	List of port numbers	Default Values	
	for the Oracle Banking Platform	Admin Server Port: 7001	
	Host domain for:	Managed Server http port: 15308	
	Admin server	Managed Server https port: 15309	
	HTTP port for managed server		
	HTTPS port for managed server		
15.	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.	
16.	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.	

Table 2–5	(Cont.)	Oracle Banking	Platform DE	3 and WebLogic	Domain Configuration
	(000000)	orable burning		and moseogio	Bonnann Oonnigaraaon

Sr. No.	Name	Description and Example	Value
Additional OBP IPM checklist for Section 9			
17	OBP_IPM_MAIN_ APP_NAME	Used to create the MAIN application that would be used to manage the content such as outbound communications, inbound documents, and so on. This application will be used actively by OBP at runtime.	
18	OBP_IPM_TEMP_ APP_NAME	Used to create the TEMP application that would archive old documents. This application will not be used actively by OBP at runtime.	
19	OBP_IPM_SOA_ CONN_NAME	Used as the name for creation of the workflow connection.	

 Table 2–5 (Cont.) Oracle Banking Platform DB and WebLogic Domain Configuration

2.4 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.

2.4.1 Prerequisite – OID setup

It is assumed that OID 11.1.1.9 is installed with ODSM and configured. We can thereafter proceed to the next step of setting up the OBP policy store. OID works better when installed on OEL. See Section 2.1.2, "Software Environment" for version information of the software products.

2.4.2 Verify the OID installation

This section describes the procedure to verify the OID installation.

2.4.2.1 Start and Verify the OID processes

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

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

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

./opmnctl startall

Figure 2–2 Locate the OID Instance

			~ - Shell - Ko	1050-edited	
Session	Edit	View	Bookmarks	Settings	Help
oracle(00elgu	Jest1 ·	~]\$ cd /ora	cle/app/p	product/fmw/asinst_1/bin
//acte	guergi	Jesti -	-]\$ cu /01a	ic cey app/ j	Guter Him astrist_1/bin

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

Figure 2–3 Start the OID Instance

oracle@oelguest1:/oracle/app/product/fmw/asinst_1/bin - Shell - Konsole		
Session E	dit View	Bookmarks Settings Help
[oracle@oe	elguest1	~]\$ cd /oracle/app/preduct/fmw/asinst_1/bin
[oracle@oe	lguest1	bin]\$
[oracle@oe	elguest1	bin]\$
[oracle@oe	elguest1	bin]\$./opmnctl startall
opmnctl st	artall:	starting opmn and all managed processes

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

./opmnctl status

Figure 2–4 Verify the Status of OID Instance

Processes in Instance:	asinst_1			
ias-component	process-type	1	pid	status
ovd1	OVD	1	2986	Alive
oidl	oidldapd	1	3022	Alive
oidl	oidldapd	- E	3017	Alive
oidl	oidmon	1	2985	Alive
EMAGENT	EMAGENT	- È	2984	Alive

2.4.2.2 OID Performance Tuning

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

1. Change the following parameter values as given:

 Table 2–6
 Parameter Values to be Changed

Parameter Name	Value	
orclmaxcc (Number of DB Connections per Server Process)	10	

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

Table 2–6 (Cont.) Parameter Values to be Changed

2. Advanced OID tuning:

- a. Create a .ldif file with any name. For example, tune.ldif.
- **b.** 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

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

Note: Ensure that 'ldapmodify' is available on the machine.

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

Example:

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

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

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

5. Changes in jps-config.xml:

The property 'authorization_cache_enabled' needs to be added to ensure that authorization cache is enabled for the ADF enabled applications. These changes are required to be done in jps-config.xml which is located at the following path:

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

Example:

```
<propertySet name="props.db.1">
<property name="authorization_cache_enabled" value="true"/>
<property name="connection.pool.min.size" value="20"/>
<property name="connection.pool.max.size" value="40"/>
```

cproperty name="connection.pool.provider.type" value="IDM"/> <property name="connection.pool.timeout" value="300000"/> <property name="connection.pool.provider.type" value="5"/> <property name="oracle.security.jps.policystore.rolemember.cache.type"</pre> value="STATIC"/> <property name="oracle.security.jps.policystore.rolemember.cache.strategy"</pre> value="NONE"/> <property name="oracle.security.jps.policystore.rolemember.cache.size"</pre> value="100"/> <property name="oracle.security.jps.policystore.policy.lazy.load.enable"</pre> value="true"/> <property name="oracle.security.jps.policystore.policy.cache.strategy"</pre> value="NONE"/> <property name="oracle.security.jps.policystore.policy.cache.size"</pre> value="1000000"/> <property name="oracle.security.jps.policystore.refresh.enable" value="true"/> <property name="oracle.security.jps.policystore.refresh.purge.timeout"</pre> value="43200000"/> <property name="oracle.security.jps.ldap.policystore.refresh.interval"</pre> value="6000000"/> <property name="oracle.security.jps.policystore.rolemember.cache.warmup.enable"</pre> value="true"/>

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

Example:

<serviceInstance name="pdp.service" provider="pdp.service.provider"> <description>Runtime PDP service instance</description> <property name="authorization_cache_enabled" value="true"/> <property name="connection.pool.min.size" value="20"/> <property name="connection.pool.max.size" value="40"/> cproperty name="connection.pool.provider.type" value="IDM"/> <property name="connection.pool.timeout" value="300000"/> <property name="connection.pool.provider.type" value="5"/> <property name="oracle.security.jps.policystore.rolemember.cache.type"</pre> value="STATIC"/> <property name="oracle.security.jps.policystore.rolemember.cache.strategy"</pre> value="NONE"/> <property name="oracle.security.jps.policystore.rolemember.cache.size"</pre> value="100"/> <property name="oracle.security.jps.policystore.policy.lazy.load.enable"</pre> value="true"/> <property name="oracle.security.jps.policystore.policy.cache.strategy"</pre> value="NONE"/> <property name="oracle.security.jps.policystore.policy.cache.size"</pre> value="1000000"/> <property name="oracle.security.jps.policystore.refresh.enable" value="true"/> <property name="oracle.security.jps.policystore.refresh.purge.timeout"</pre> value="43200000"/> <property name="oracle.security.jps.ldap.policystore.refresh.interval"</pre> value="6000000"/> <property name="oracle.security.jps.policystore.rolemember.cache.warmup.enable"</pre> value="true"/> <property name="oracle.security.jps.runtime.pd.client.policyDistributionMode"</pre> value="mixed"/> <property name="oracle.security.jps.runtime.instance.name" value="OracleIDM"/> <property name="oracle.security.jps.runtime.pd.client.sm_name"</pre> value="OracleIDM"/> <property name="oracle.security.jps.policystore.refresh.enable" value="true"/>

</serviceInstance>

2.4.2.3 Import OBP Specific LDIF files

Start by checking the OID for the presence of jpsroot, fcperson, Users, Groups, WebLogic and Administrators. If they are already present, no modification is required in OID. However, if they are not present, then they can be added as described below:

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

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

Table 2–7 Order of	Execution
--------------------	-----------

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

- 4. DNS should be changed as per the requirement of the bank in the LDIF files for:
 - Users
 - Groups
 - WebLogic
 - Administrators

Note: While executing fcPerson.ldif, "value already exist" problem may appear in console.

For this problem, the objectClasses value is required to be changed.

It can be found, at the end of the file as:

"add:objectClasses

objectClasses:(2.5.6.47"

To resolve this problem, change the value (default, it is 2.5.6.47) of object classes, then run it again.

Before executing the following commands, navigate to the location where the LDIF files reside (that is, inside LDIF folder) in Host machine, where OpenLDAP has been installed as mentioned in prerequisite section.

Idapadd jpsroot.ldif

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

Idapmodify fcPerson.Idif

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

Idapadd Users.Idif

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

Idapadd Groups.Idif

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

Idapadd WebLogic.Idif

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

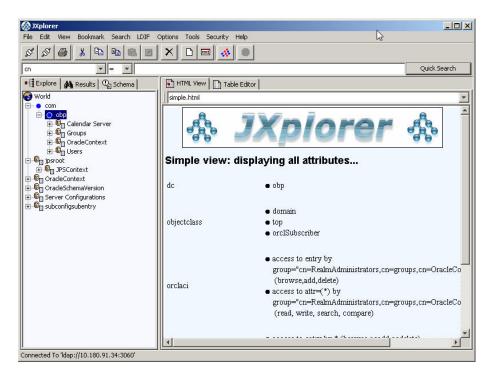
Idapadd Administrators.Idif

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

2.4.2.4 Verify the import using ODSM or JXplorer

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

Figure 2–5 JXplorer



Oracle Banking Platform Host Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Platform Host Media pack. The subsequent section refers to the variable names specified in Section 2.3, "Installation Checklists".

3.1 Installation and Configuration Procedure

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

3.1.1 Preparatory Steps

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

Step 1 Procuring Installables

Download the appropriate host media pack from the following location:

http://edelivery.oracle.com/

Step 2 Extracting the Installables

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

- A zip file 'obpinstall-host.zip'
- The installation script 'installobphost.sh'
- The install configuration property file 'installobphost.properties'
- A zip file 'em_monitor.zip' that is used for monitoring (For more information, see Chapter 11, "Monitoring Servers Using Oracle Enterprise Manager.").

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in Section 2.3, "Installation Checklists" 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 Oracle Banking Platform Host Media Pack installation.

Step 1 Updating installobphost.properties

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

Step 2 Checklist for a new setup

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

- 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, OES_MW_HOME, 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 ports in HOST and OES 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_HOST.

- 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:
 - MDS_HOST_DB_USER (by RCU)
 - OBP_HOST_DB_USER (by RCU)
 - OES_SCHEMA_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.
- Oracle Text 11g must be installed in Host db.
- An OES WebLogic domain must exist and the admin server of this domain must be in running state prior to pre-installation.
- It is mandatory for Oracle Toplink 12c (12.1.3) to be installed on the machine, where OBP Host Media pack installation is planned. This path is required as input in the installer properties and has been mentioned in the checklist.

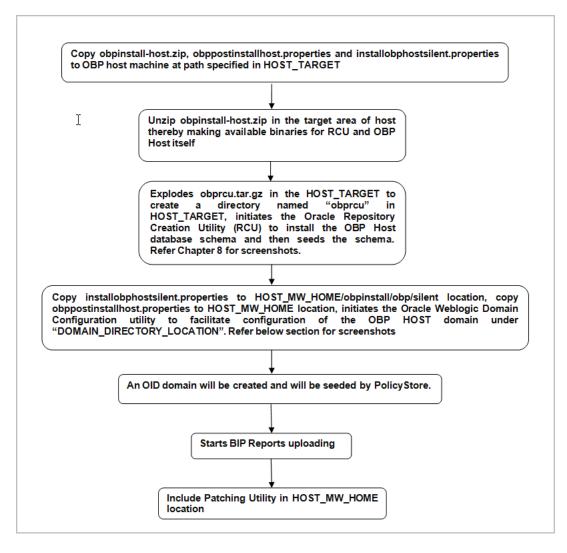
Before installing Oracle Toplink assign ORACLE_HOME to TOPLINK_ INSTALLATION_PATH and export variable to environment. ORACLE_HOME="\${TOPLINK_INSTALLATION_PATH}" export ORACLE_HOME

3.1.3 Installation Steps

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

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

Figure 3–1 Steps in installobphost.sh script



A sample output is given here.



🛃 ofssobp@ofss3131506:/scratch/install/host	
[ofssobp@ofss3131506 host]\$./insta	llobphost.sh
	cratch/install/host. It is assumed that all installables are present in this directory.
Printing the information:	
SILENT INSTALL	: y
HOST DB SCHEMA CREATION FLAG	: N
OID FARM AND POLICY SEEDING FLAG	: N
BIP REPORTS UPLOADING FLAG	: N
LOCAL IP	: 10.180.91.52
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	: 10.180.85.39
ADMIN_SERVER_LISTEN_PORT	: 7001
ADMIN_SERVER_SSL_LISTEN_PORT	: 7002
MANAGED_SERVER_LISTEN_ADDRESS	: 10.180.85.39
MANAGED_SERVER_LISTEN_PORT	: 8001
MANAGED_SERVER_SSL_LISTEN_PORT	: 8002
POLICY_SEEDING_TYPE	: LDP
LDAP_PROVIDER OID IP	: 01D
	: 10.180.85.42
OID_ADMIN_USER OID_ADMIN_PWD	: cn=orcladmin : welcome1
OID DOMAIN NAME	· weiconei
OID DOMAIN PORT	· Outomain
OID GROUP DSN	: cn=Groups,dc=in,dc=cracle,dc=com
OID USER DSN	: cn=Users,dc=in,dc=oracle,dc=com
JPS CONTEXT DSN	cn=jpsroot
NODE_MGR_PORT	: 5556
HOST IP -	: 10.180.85.39
HOST TARGET	: /scratch/app/product/fmw/target
HOST_JAVA_HOME	: /scratch/app/product/jrockit-jdk1.6.0_51
HOST_MW_HOME	: /scratch/app/product/fmw
UI_ADMIN_SERVER_LISTEN_ADDRESS	: 10.180.85.40
UI_ADMIN_SERVER_LISTEN_PORT	: 7001
SOA_IP	: 10.180.85.41
SOA_UNIX_USER	: ofssobp
SOA_MW_HOME	: /scratch/app/product/fmw
SOA_WEBLOGIC_USERNAME	: weblogic
SOA_WEBLOGIC_PASSWORD	: weblogic1
SOA_MANAGED_SERVER_LISTEN_ADDRESS	: 10.180.85.41
SOA_MANAGED_SERVER_LISTEN_PORT UI IP	
UI UNIX USER	: 10.180.85.40
UI DOMAIN HOME	: ofssobp : /scratch/app/product/fmw/user projects/domains/ui_domain
INSTALL AS	· ofsob
BIP SERVER IP	: 10.180.9.73
BIP SERVER PORT	9704
BIP UNIX USER	: oracle
BIPHOME	: /oracle/app/product/fmw1/Oracle BI1
BIP INSTANCE PATH	: /oracle/app/product/fmw1/instances/instance1
BIP_SERVER_USER	: weblogic
BIP_SERVER_PSWD	: weblogic1
BIP_REPORT_BASE_PATH	: /OBP3/R2BINSTALLER3
BIP_DATASOURCE_NAME	: fcrhdevsails40
IPM_SERVER_IP	: 10.180.9.97
IPM_SERVER_PORT	: 16000
OFSAA_SERVER_IP	: ofsea-ofss.com
OFSAA SERVER PORT	: 17000

- **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.

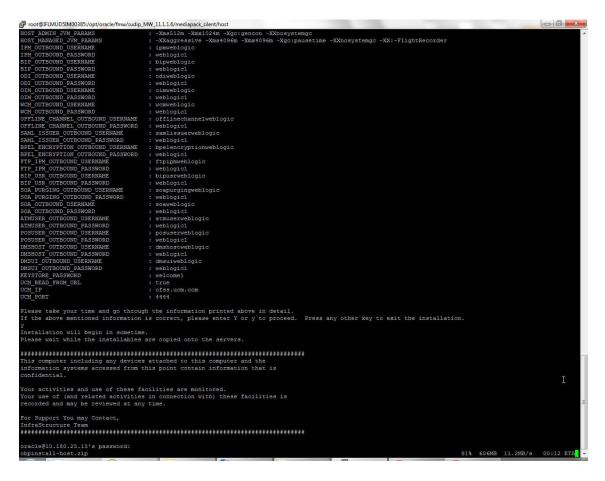


Figure 3–3 Confirmation and Copying of Installables to Target Machine

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.





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

Figure 3–5 OID Domain Creation and Seeding

😰 oracle@OFSMUG-VM-13/oracle/app/product/fmw
PolicyStoreSetup/lib1115/mgs.es.jar PolicyStoreSetup/lib1115/mgs.iar
FolicyStoreSetup/Linils/smm.policy-core.jar
PolicyStoreSetup/PolicyStoreSetup.jar
PolicyStoreSetup/PolicyStoreSetup.zip
PolicyStoreSetup/refreshPolicyStoreFromLatestApplicationDataMap.sh
PolicyStoreSetup/UtilityConfig/
PolicyStoreSetup/UtilityConfig/DBConnectionFactory.properties
PolicyStoreSetup/UtiltyConfig/flx sm_res_attr_b.csv
PolicyStoreSetup/UtilityConfig/flx madm.raturs_b.csv PolicyStoreSetup/UtilityConfig/nadm.raturs_b.csv
PolicyStoreSetup/OlitityConity/pages.tsv
PolicyStoreSetup/UtilityConfig/UIComponents.csv
PolicyStoreSetup/UtilityConfig/FactoryShippedAccessPolicyRules.csv
PolicyStoreSetup/UtilityConfig/PolicyStoreSetup.properties
PolicyStoreSetup/UtilityConfig/logging.xml
PolicyStoreSetup/UtilityConfig/FactoryShippedMatrixAuthRules.csv
PolicyStoreSetup/UtilityConfig/ApplicationDataMap.csv
PolicyStoreSetup/UtilityConfig/flx_sm_attr_b.csv
PolicyStoreSetup/UtiltyConfig/revokeResources.csv
PolicyStoreSetup/UtilityConfid/createResources.csv PolicyStoreSetup/UtilityConfid/createResources.csv PolicyStoreSetup/UtilityConfid/createResources.csv
volcystoresetup/utilty.onrg/oracleriexcube.csv .:/cracle/app/product/fmw/oracle.common/modules/oracle.jdbc 11.1.1/ojdbc6dms.jar:/oracle/app/product/fmw/obpinstall/obp/config:/oracle/app/product/fmw/obpins
/oracle/pp/product/imm/oracle_common/mcdures/oracle_jducodama.jar./oracle/pp/product/imm/oracle/pp/product/imm/oracle/app/product/imm/o
ccp360/profiles/default/sys manifest classpath/weblogic patch.jar:/oracle/app/product/oracle jrockit_jdki.6.0 31 R28.2.3/lib/tools.jar:/oracle/app/product/
mw/wlserver 10.3/server/lib/weblogic sp.jar:/oracle/app/product/fmw/wlserver 10.3/server/lib/weblogic.jar:/oracle/app/product/fmw/modules/features/weblogic.s
erver.modules 10.3.5.0.jar:/oracle/app/product/fmw/wlserver 10.3/server/lib/webservices.jar:/oracle/app/product/fmw/modules/org.apache.ant 1.7.1/lib/ant-all.
jar:/oracle/app/product/fmw/modules/net.sf.antcontrib_1.1.0.0_1-0b2/lib/ant-contrib.jar:/oracle/app/product/fmw/oracle_common/soa/modules/commons-cli-1.1.jar
:/oracle/app/product/fmw/oracle_common/modules/oracle.soa.mgmt_11.1.1/soa-infra-mgmt.jar:/oracle/app/product/fmw/oracle_common/modules/oracle.jrf_11.1.1/
jrf.jar:/oracle/app/product/fmw/wlserver_10.3/common/derby/lib/derbyclient.jar:/oracle/app/product/fmw/wlserver_10.3/server/lib/xqrl.jar::/oracle/app/product
/fmw/wlserver_10.3/server/lib/weblogic.jar:/oracle/app/product/fmw/target/PolicyStoreSetup/lib1114/adf-controller-security.jar:/oracle/app/product/fmw/targe
t/PolicyStoreSetup/libill11/adf-share-security.jar:/oraole/app/product/fmw/target/PolicyStoreSetup/libill11/adf-share-support.jar:/oraole/app/product/fmw/tar get/PolicyStoreSetup/libill11/come.bea.core.common.security.api 1.0.0.0 5-1-0-0.jar:/oracle/app/product/fmw/targ
get/Folleystoresetup/Indiiii/com.bea.core.common.security.apl_1.0.0.0_9=1-0-0.jari/oracle/app/product/Imw/target/Folleystoresetup/Indiii/com.bea.core.webj ogic.security 1.0.0.0 5-2-0-0.jari/oracle/app/product/Imw/target/FolleystoreSetup/Indiii/dms,jare/oracle/app/product/Imw/target/FolleystoreSetup/Indiii/dms,jare/oracle/app/product/Imw/target/FolleystoreSetup/Indiii/dms,jare/oracle/app/product/Imw/target/FolleystoreSetup/Indii
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bc6.jar:/oracle/app/product/fmw/target/PolicyStoreSetup/lib11114/ojdl.jar:/oracle/app/product/fmw/target/PolicyStoreSetup/PolicyStoreSetup.jar
Start Time : Dec 20, 2012 12:24:05 FM
Application Policy=OBP with policy domain =OBP will be created.
Do you want to continue? (y/n)

 Finally, if HOST_OPATCH_CREATION_FLAG="Y" in installobphost.properties file, the Host Pre Installation ends with creation of a directory called 'patchStage' and a directory called 'patching' with the OPatch Utility executing code.

3.1.4 Front End Processing Interface (FEPI) Installation Steps

Following are the basic steps for FEPI installation procedure:

Step 1 Installation

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

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

Property	Description	Example
BANK_CODE	Indicates the bank code	BANK_CODE=335
LISTENER_PORT	The port number on which FEPI server accepts incoming ISO message requests	LISTENER_PORT=9999

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

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

Step 2 ATM and POS Trace logs

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

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

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

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

Step 4 Multiple Instances

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

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

3.2 Post Installation Configuration

This section describes the post installation configuration procedure for Oracle Banking Platform Host Media Pack. This can be started after the UI Post installation.

Checklist for Post Installation Procedure

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

• UI post installation has been done.

- Node manager is not running and no other process is running on NODE_MGR_ PORT.
- OID domain given in obppostinstallhost.properties must exist (It is actually created in HOST pre-install).
- Host db schema seeding has been done.
- 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/obphostdomain
```

./startWebLogic.sh

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

Figure 3–6 Host Domain Admin Server Credentials

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

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

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

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

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

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

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

Figure 3–7 Host Domain Post Installation Script Execution



OA FURGING OUTBOUND PASSWORD				
	: weblogic1			
OA OUTBOUND USERNAME	: soaweblogic			
DA_OUTBOUND_PASSWORD	: weblogic1			
TMUSER_OUTBOUND_USERNAME	: atmuserweblogic			
TMUSER_OUTBOUND_PASSWORD	: weblogic1			
OSUSER_OUTBOUND_USERNAME	: posuserweblogic			
OSUSER_OUTBOUND_PASSWORD	: weblogic1			
MSHOST_OUTBOUND_USERNAME	: dmshostweblogic			
MSHOST_OUTBOUND_PASSWORD	: weblogic1			
MSUI_OUTBOUND_USERNAME	: dmsuiweblogic			
MSUI_OUTBOUND_PASSWORD	: weblogic1			
EYSTORE_PASSWORD	: welcome1			
CM_READ_FROM_URL	: true			
CM_IP	: ofss.ucm.com			
CM_PORT	: 4444			
lease take your time and go thre	bugh the information printed above in detail.			
f the above mentioned information	on is correct, please enter Y or y to proceed. Press any other key to exit the insta	llation.		
ost-installation will begin in :	sometime			
his computer including any devi	ces attached to this computer and the			
nformation systems accessed from	m this point contain information that is			
onfidential.				
our activities and use of these	facilities are monitored.			
our use of (and related activit:	ies in connection with) these facilities is			
ecorded and may be reviewed at a	any time.			
or Support You may Contact,				
nfraStructure Team				
racle@10.180.25.23's password:				
racle@10.180.25.23's password: rakey.crt			0.5KB/s	
rakey.crt	to /oracle/app/product/fmw/user_projects/domains/host_domain/config/fmwconfig		0.5KB/s	
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Figure 3–8 Host Domain Post Installation Script Execution Summary

After completion of the host post installation, it will return to the command prompt.

Finally inside logging.xml file for managed servers, for example:

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

within the following xml tag:

<logging_configuration> <log_handlers> </log_handlers></logging_configuration> we need to 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>

Within the following xml tag:

<logging_configuration><loggers></logging_configuration>

we need to add:

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

<handler name='el-handler' />

</logger>

<logger name='javax.persistence' level='TRACE:32'

useParentHandlers='false'>

<handler name='el-handler' />

</logger>

Then start the admin and managed servers to check the domain configuration status as described in verification part in Section 12.2, "Host Domain Verification."

Due to the new feature of Asynchronous Audit being introduced, a JMS Module called jmsAsyncAuditMDB is required

Figure 3–9 JMS System module Summary

	Administration Console	
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: host_d
View changes and restarts	Home >jmsAsyncAuditMDB >JMS Modules >jmsAsyncAuditMDB >AsyncAuditQ >JMS Modules >jmsAsyncAuditMDB >Summary of JMS Serve	rs >JMS Modules >jmsAsyncAuditMDB > JMS Modules
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Messages Image: Constraint of the JMS module configuration was canceled.	
Lock & Edit	JM5 Modules	
Release Configuration	JMS system resources are configured and stored as modules similar to standard JZEE modules. Such resources include queues, auota, distributed queues, distributed topics, foreian servers, and JMS store-and-forward (SAP) parameters. You can administr	topics, connection factories, templates, destination keys,
Domain Structure	system resources.	
host_domain	This page summarizes the JMS system modules that have been created for this domain.	
Deployments		
⇒ Services		
Messaging	Customize this table	
JMS Servers	JMS Modules	
Store-and-Forward Agents	New Parts	
Path Services	New Delete	Showing 1 to 10 of 13 Previous N
i Bridges	🔲 Name 🗞	Туре
Data Sources		
Foreign JNDI Providers	jmsAccountingModule	System
	imsAnalyticsModule	System
Work Contexts		System
Work Contexts	imsAsyncAuditMDB	
How do I	jmsBatchModule	System
How do I Configure JMS system modules		System System
How do I	jmsBatchModule	
How do I Configure JMS system modules	jmsBatcModule jmsCasaModule	System
Vark Contexts Vark Contexts Vark Configure AMS system modules Configure resources for JMS system modules ystem Status	jmsBatchModule jmsCasaModule jmsCollectionModule jmsDomainPublishModule jmsOnginationModule	System System
Work Contexts tow do I Configure JMS system modules Configure resources for JMS system modules	jmsBatchModule jmsCasaModule jmsCollectionModule jmsDomainPublishModule	System System System
Work Contexts Work Contexts Configure JMS system modules Configure resources for JMS system modules ystem Status etatth of Running Servers	jmsBatchModule jmsCasaModule jmsCollectionModule jmsDomainPublishModule jmsOnginationModule	System System System System

× 9 McAfee /					
ORACLE WebLogic Server®					
Change Center	🟦 Home Log Out Prefere				eblogic Connected to: host_do
View changes and restarts	Home >JMS Modules >jmsAs	yncAuditMDB >AsyncAuditQ >JMS Modules >jmsAsyncAuditMDB	>Summary of JMS Servers >JMS Mo	odules >jmsAsyncAuditMDB >JMS Modu	ules >jmsAsyncAuditMDB
No pending changes exist. Click the Release	Settings for jmsAsyncAud	itMDB			
Configuration button to allow others to edit the domain.	Configuration Subdeple	oyments Targets Security Notes			
Lock & Edit					
Release Configuration	This page displays genera	I information about a JMS system module and its resources	. It also allows you to configure r	new resources and access existing r	esources.
Domain Structure	Name:	jmsAsyncAuditMDB	The	name of this JMS system module.	More Info
ost_domain					
- Environment Deployments	Descriptor File Name:	jmsAsyncAuditMDB-jms.xml	The	name of the JMS module descriptor	r file. More Info
3-Services					
JMS Servers	keys, destination quota, d	listributed destinations, foreign servers, and store-and-forw	ard parameters.		-,
Store-and-Forward Agents JMS Modules Path Services Bridges	Customize this table	istributed destinations, foreign servers, and store-and-forw	ard parameters.		,
Store-and-Forward Agents JNS Modules Path Services 	Customize this table	istributed destinations, foreign servers, and store-and-forw	ard parameters.		s, JMS templates, destination sor
-Store-and-Forward Agents JMS Modules Path Services Path Services Path Services Parisitent Stores Pereign ADI Providers Work Contexts	Customize this table		ard parameters. JNDI Name		
Store-and-Forward Agents M5 Modules Path Services Brindges Data Sources Persitent Stores Foreign NDI Providers Work Contrasts	Customize this table Summary of Resources	Туре		Sh	owing 1 to 2 of 2 Previous New
Store-and-Forward Agents 	Customize this table Summary of Resources New Defete Name Name Name	Type Uniform Distributed Queue	JNDI Name	Sh Subdeployment	owing 1 to 2 of 2 Previous Ne
Store-and-Forward Agents	Customize this table Summary of Resources New. Delete Name AsynchudtQ	Type Uniform Distributed Queue	JNDI Name ms/AsyncAuditQ	Sh Subdeployment Default Targetting Default Targetting	owing 1 to 2 of 2 Previous Ne Targets obphost_duster1
Longing Market Stores and Forward Agents 	Customize this table Summary of Resources New Delete AsynchuditQ AsynchuditQCF	Type Uniform Distributed Queue	JNDI Name ms/AsyncAuditQ	Sh Subdeployment Default Targetting Default Targetting	owing 1 to 2 of 2 Previous Ne Targets obphost_cluster1 obphost_cluster1
Store-and-Forward Agents INF Modues Path Services Path Services Path Sources Persistent Stores Foreign NUD Forviders Toor June 2010 Forviders Forvider 2010 Forvider 2010 Forviders Forvider 2010 Forvi	Customize this table Summary of Resources New Delete AsynchuditQ AsynchuditQCF	Type Uniform Distributed Queue	JNDI Name ms/AsyncAuditQ	Sh Subdeployment Default Targetting Default Targetting	owing 1 to 2 of 2 Previous Ne Targets obphost_cluster1 obphost_cluster1
Store-and-Forward Agents 	Customize this table Summary of Resources New Delete AsynchuditQ AsynchuditQCF	Type Uniform Distributed Queue	JNDI Name ms/AsyncAuditQ	Sh Subdeployment Default Targetting Default Targetting	owing 1 to 2 of 2 Previous Ne Targets obphost_cluster1 obphost_cluster1
Store-and-Forward Agents 	Customize this table Summary of Resources New Delete AsynchuditQ AsynchuditQCF	Type Uniform Distributed Queue	JNDI Name ms/AsyncAuditQ	Sh Subdeployment Default Targetting Default Targetting	owing 1 to 2 of 2 Previous Ne Targets obphost_cluster1 obphost_cluster1
	Customize this table Summary of Resources New Delete AsynchuditQ AsynchuditQCF	Type Uniform Distributed Queue	JNDI Name ms/AsyncAuditQ	Sh Subdeployment Default Targetting Default Targetting	owing 1 to 2 of 2 Previous Ne Targets obphost_cluster1 obphost_cluster1
	Customize this table Summary of Resources New Delete AsynchuditQ AsynchuditQCF	Type Uniform Distributed Queue	JNDI Name ms/AsyncAuditQ	Sh Subdeployment Default Targetting Default Targetting	owing 1 to 2 of 2 Previous Ne Targets obphost_cluster1 obphost_cluster1

Figure 3–10 JMS module Configuration

Under the above mentioned JMS Module, we need to configure a queue connection factory and uniform distributed queue having the JNDI names and Targets as shown in the above figure.

Oracle Banking Platform Presentation Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Platform Presentation (UI) Media pack. The subsequent section refers to the variable names specified in Section 2.3, "Installation Checklists".

4.1 Installation and Configuration Procedure

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

4.1.1 Preparatory Steps

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

Step 1 Procuring Installables

Download the appropriate presentation media pack from the following location:

http://edelivery.oracle.com/

Step 2 Extracting the Installables

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

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

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in Section 2.3, "Installation Checklists" of this guide and note the values applicable for each point in the last column for 'Value' so that the same is handy during the actual installation.

4.1.2 Pre-Installation Steps

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

Step 1 Updating installobpui.properties

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

Step 2 Checklist for a new setup

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

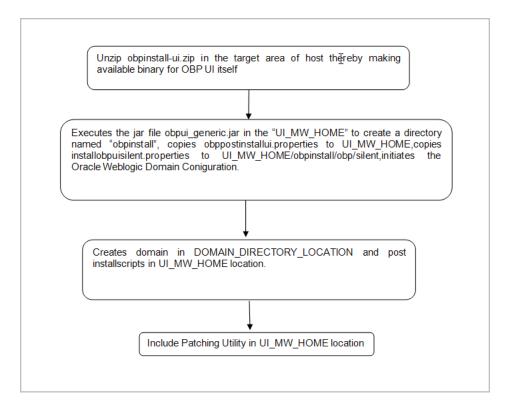
- Node manager must not be running on the target machine.
- Create a dummy folder named as Target and mention its path against HOST_ TARGET property.
- In case of a re-installation ensure that the directory paths against DOMAIN_ DIRECTORY_LOCATION, OES_MW_HOME, HOST_TARGET and HOST_MW_ HOME specified 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 ports in HOST and OES machine given in installobpui.properties.
- MDS_SCHEMA_USER schema given in the installobpui.properties exists. This should point to the same schema as MDS_HOST_DB_USER of installobphost.properties.
- Values given in installobpui.properties must be correct. At run time, no option will be given to change the values.

4.1.3 Installation Steps

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

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

Figure 4–1 Steps in installobpui.sh script



A sample output is given here.

Figure 4–2 Confirmation to Proceed Domain Installation

[ofssobp@ofss3131507 oui-ui]\$./ins	tallobpui.sh
	cratch/install/oui-ui. It is assumed that all installables are present in this directory.
Printing the installation details:-	
SILENT INSTALL	: Y
LOCAL IP	: 10.180.91.52
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	: HOSTUI MDS
MDS SCHEMA PASSWORD	: welcome1
MDS_DB_IP	: 10.180.85.42
MDS DB PORT	: 1521
MDS DB SERVICE NAME	: ORA8542
HOST_SCHEMA_USER	: TEST1_OBP_HOST
HOST SCHEMA PASSWORD	: welcome1
HOST_DB_IP	: 10.180.85.42
HOST_DB_PORT	: 1521
HOST_DB_SERVICE_NAME	: ORA8542
OES_SCHEMA_USER	: HOSTUI_MDS
OES_SCHEMA_FASSWORD	: welcome1
OES_DB_IP	: 10.180.85.42
OES_DB_PORT	: 1521
OES_DB_SERVICE_NAME	: ORA8542
ADMIN_SERVER_LISTEN_ADDRESS	: 10.180.85.40
ADMIN_SERVER_LISTEN_PORT	: 7001
ADMIN_SERVER_SSL_LISTEN_PORT	: 7002
MANAGED_SERVER_LISTEN_ADDRESS	: 10.180.85.40
MANAGED_SERVER_LISTEN_PORT	: 8001
MANAGED_SERVER_SSL_LISTEN_PORT	: 8002
POLICY_SEEDING_TYPE	: LDAP
LDAP_PROVIDER	: OID
OID_IP	: 10.160,85.42 : 0.60
OID_PORT	: sues : cn=orcladmin
OID_ADMIN_USER OID_ADMIN_FWD	: ch-occledmin : welcomel
OID_ADMIN_FWD OID DOMAIN NAME	: welcomei : ouidomain
OID DOMAIN FORT	: Ouridomain 7005
OID GROUP DSN	: cn=Groups,dc=in,dc=oracle,dc=com
OID USER DSN	: cn=Users,dc=in,dc=oracle,dc=com
JPS CONTEXT DSN	: iprot
NODE MGR PORT	: 5556
OES IP	: 10.180.2.188
OES MW HOME	: /scratch/app/product/fmw
OES DOMAIN NAME	cesDomain
OES UNIX USER	· ofssobp
UI IP -	: 10.180.85.40
UI HOST NAME	: ofss3131507
UI TARGET	: /scratch/app/product/fmw/target
UI_MW_HOME	: /scratch/app/product/fmw
UI JAVA HOME	: /scratch/app/product/jrockit-jdk1.6.0_51
OUI_JAVA_HOME	: /usr/lib/jvm/java-1.7.0-openjdk-1.7.0.9.x86_64
CENTRAL_INVENTORY_LOC	: /scratch/app/product/fmw/obpinstall/inventory
INSTALL_AS	: ofssobp
IPM_SERVER_IP	: 10.180.9.97
IPM_SERVER_PORT	: 16000
OFSAA_SERVER_IP	: ofsaa-ofss.com
OFSAA_SERVER_PORT OAAM_SERVER_IP	: 17000 : caam-ofss.com
OAAN SERVER IF	: Gadm-GISS.Com

- **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 4–3 Copying and Extraction of obpinstall-ui.zip

OID ADMIN PWD : welcome1	
OID DOMAIN NAME : ouidomain	
OID DOMAIN FORT : 7005	
OID_GROUP_DSN : cn=Groups,dc=in,dc=oracle,dc=com	
OID_USER_DSN : cn=Users,dc=in,dc=oracle,dc=com	
JPS_CONTEXT_DSN : jpsroot	
NODE_MGR_FORT : 5556	
OES IF : 10.180.2.188	
OES_MW HOME : /scratch/app/product/fmw	
OES DOMAIN NAME : oesDomain	
OES UNIX USER : ofssobp	
UI IP : 10.180.85.40	
UI HOST NAME : ofss3131507	
UI_TARGET : /scratch/app/product/fmw/target	
UI MW HOME : /scratch/app/product/fmw	
UI JAVA HOME : /scratch/app/product/jrockit-jdk1.6.0 51	
OUI JAVA HOME : /usr/lib/jvm/java-1.7.0-openjdk-1.7.0.9.x86 64	
CENTRAL INVENTORY LOC : /scratch/app/product/fmw/obpinstall/inventory	
INSTALL AS : ofssobp	
IPM SERVER IP : 10.180.9.97	
IPM SERVER FORT : 16000	
OFSĀA SERVĒR IP : ofsaa-ofss.com	
OFSAA SERVER FORT : 17000	
OAAM SERVER IP : oaam-ofss.com	
OAAM SERVER FORT : 14000	
OIM SERVER IP : oim-ofss.com	
OIM SERVER PORT : 16000	
UI ADMIN JVM PARAMS : -Xms512m -Xmx1024m -XXnosystemgc	
	Mms4096m -Xmx4096m -Xgc:pausetime -XXnosystemgc -XX:-FlightRecorder -Djro
ckit.codegen.newlockmatching=true -Djbo.load.components.lazily=true -XX:-FlightRecor	ier
HOST ADMIN SERVER LISTEN ADDRESS : 10.180.85.39	
HOST ADMIN SERVER LISTEN PORT : 7001	
HOST MANAGED SERVER LISTEN ADDRESS : 10.180.85.39	
HOST MANAGED SERVER LISTEN FORT : 8001	
SOA MANAGED SERVER LISTEN ADDRESS : 10.180.85.41	
SOA MANAGED SERVER LISTEN PORT : 8001	
KEYSTORE PASSWORD : welcome1	
KEYSTORE_PASSWORD : welcome1	
KEYSTORE_PÄSSWORD : welcome1 UI_SSL_PÄSSWORD : welcome1 UCM_READ_FROM_URL : true UCM_IP : ofss.ucm.com	
KEYSTORE_PASSWORD: welcome1 UI_SSL_PASSWORD : welcome1 UCL_READ_FROM_URL : true	
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KEYSTORE_PASSWORD : welcome1 UI_SL_PASSWORD : welcome1 UCH_READ_FROM_URL : true UCH_IPE : ofss.ucm.com UCH_PORT : 4444	
KEYSTORE PASSWORD : welcome1 UGL REAL FRAMURE : welcome1 UCM REAL FRAMURE : true UCM IP : ofss.ucm.com : ucm.com UCM_FEAR : 4444 : offlineuser : offlineuser	
KEYSTORE_PASSWORD : welcomel UTS_SL_PASSWORD : welcomel UCM_ERAD_FROM_URL : true UCM_IP : offs.ucm.com UCM_PORT : 4444 OFFLINE_CHANNEL_OUTBOUND_USERNAME : offlineuser OFFLINE_CHANNEL_OUTBOUND_PASSWORD : offlinepassword	
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REVSTORE_PASSWORD : welcomel UCM_IF_SIDESSWORD : welcomel UCM_IF_ : offs.ucm.com UCM_IF_ : offs.ucm.com UCM_IF_ : offs.ucm.com UCM_IF_ : offlineuser OFFLINE_CHANNEL_OUTBOUND_PASSWORD : offlineuser OFFLINE_CHANNEL_OUTBOUND_PASSWORD : offlinepassword CARD_FASSWORD : welcomel RULE_USENNAME : velcomel RULE_USENNAME : welcomel USER_TIME_CONE : welcomel	
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<pre>Initializing WebLogic Scripting Tool (WLST) 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 Read domain / scratch/app/product/fmw/user_projects/domains/ui_domain to applyJRF Copying JRF configuration files from /scratch/app/product/fmw/oracle_common/modules to /scratch/app/product/fmw/user_projects/domains/ui_domain/config/fmwcon fig/servers/obpui_server1 Target JRF changes to domain /scratch/app/product/fmw/user_projects/domains/ui_domain in offline mode Domain created successfully.</pre>	
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Update JRF changes to domain /scratch/app/product/fmm/user_projects/domains/ui_domain in offline mode Domain created successfully.	
Domain created successfully.	
[orssopp@orsssisis0/ out=u1]\$	Infasobjedfasilai507 oui-uijs

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

5. Finally, if UI_OPATCH_CREATION_FLAG="Y" in installobpui.properties file, the UI Pre Installation ends with creation of a directory called 'patchStage' and a directory called 'patching' with the OPatch Utility executing code in UI_MW_HOME.

4.2 Post Installation Configuration

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

Checklist for Post Installation Procedure

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

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

\$netstat -na | grep 5556

Post Installation Configuration

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

```
cd <middleware home>
```

cd user_projects/domains/obpuidomain

./startWebLogic.sh

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

Figure 4–5 UI Admin Server Credentials



Figure 4–6 UI Admin Server Running

P oracle@OFSMUG-VM-13:/oracle/app/product/fmw/user_projects/domains/ui_domain	
KeyUsage [
Key_CertSign	
Algorithm: [MD5withRSA]	
Signature: 0000: 90 26 4C 29 C8 91 C3 A7 06 C3 24 6F AE B4 F8 82 .61)\$c	
0010: 80 40 AA CB 7C 79 46 84 81 C4 66 95 F4 1E D8 C4	
0020: E9 B7 D9 7C E2 23 33 A4 B7 21 E0 AA 54 2B 4A FF#3!T+J.	
0030: CB 21 20 88 81 21 DB AC 90 54 D8 7D 79 63 23 3C .!	
] The system is vulnerable to security attacks, since it trusts certificates signed by the demo trusted CA.>	
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Entrust Inc for authorized use only,OU=See www.entrust.net/legal-terms,O=Entrust Inc.,C=US". The loading of the trusted certificate list	st raised a cer
tificate parsing exception PKIX: Unsupported OID in the AlgorithmIdentifier object: 1.2.840.113549.1.1.11.>	A AN ANALY AND A
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- **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 4–7 UI Post Install Script Confirm

DOMAIN DIRECTORY LOCATION	: /scratch/app/product/fmw/user projects/domains
ADMIN SERVER LISTEN ADDRESS	: 10.180.85.40
ADMIN SERVER LISTEN PORT	7001
MANAGED SERVER LISTEN ADDRESS	10.180.85.40
MANAGED SERVER LISTEN PORT	8001
WEBLOGIC USERNAME	: weblogic
	: weblogic1
UI ADMIN JVM PARAMS	Xms512m -Xmx1024m -XXnosystemgc
UI MANAGED JVM PARAMS	: -Djbo.ampool.doampooling=false -XXaggressive -Xms4096m -Xmx4096m -Xgc:pausetime -XXnosystemgc -XX:-FlightRecorder -Djro
	Djbo.load.components.lazily=true -XX:-FlightRecorder
UI IP	: 10.180.85.40
UI HOST NAME	: ofss3131507
UI TARGET	: /scratch/app/product/fmw/target
UI_MW_HOME	: /scratch/app/product/fmw
KEYSTORE PASSWORD	: welcome1
UI_SSL_PASSWORD	: welcome1
INSTALL_AS	: ofssobp
HOST_ADMIN_SERVER_LISTEN_ADDRESS	
	: 7001
HOST_MANAGED_SERVER_LISTEN_ADDRESS	
HOST_MANAGED_SERVER_LISTEN_PORT	
SOA_MANAGED_SERVER_LISTEN_ADDRESS	
	: 8001
POLICY_SEEDING_TYPE	: LDAP
LDAP_PROVIDER	: OID
OID_IP	: 10.180.85.42
OID_PORT	: 3060
OID_ADMIN_USER	: cn=orcladmin
OID_ADMIN_PWD	: welcome1
OID_DOMAIN_NAME	: olidomain
OID_DOMAIN_FORT	: 7005
OID_GROUP_DSN	: cn=Groups,dc=in,dc=oracle,dc=com
OID_USER_DSN	: cn=Users,dc=in,dc=oracle,dc=com
JPS_CONTEXT_DSN NODE MGR PORT	:]paroot : 5556
NODE_MGR_FORI OES IP	: 3536 : 10.180.2.188
OES_IF OES_MW HOME	: /scratch/app/product/fmw
OES DOMAIN NAME	: /serach/ap/product/imw
OES UNIX USER	· ofsoop
IPM SERVER IP	: 10.180.9.97
IPM_SERVER_IF IPM_SERVER_PORT	: 10:10:3;3/ : 1600
OFSAA SERVER IP	: ofsa-ofss.com
OFSAA SERVER PORT	: 1700
OAAM SERVER IP	oam-ofs.com
OAAM SERVER FORT	1400
	: oim-ofss.com
OIM SERVER PORT	16000
UCM READ FROM URL	true
	: ofss.ucm.com
UCM PORT	: 4444
OFFLINE CHANNEL OUTBOUND USERNAME	: offlineuser
OFFLINE CHANNEL OUTBOUND PASSWORD	
CARD_USERNAME	: orakey
CARD PASSWORD	: welcome1
RULE USERNAME	: orakey
RULE_PASSWORD	: welcome1
USER_TIMEZONE	: +5:30
	h the information printed above in detail.
If the above mentioned information	is correct, please enter Y or y to proceed. Press any other key to exit the installation.
2 <mark>0</mark>	

Figure 4–8 UI Post Install Script Running



- **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

Oracle Banking Platform SOA Media Pack Installation

This chapter details every step involved in the installation of Oracle Banking Platform SOA (Integration Server) Media pack. The subsequent section refers to the variable names specified in Section 2.3, "Installation Checklists".

5.1 Installation and Configuration Procedure

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

5.1.1 Preparatory Steps

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

Step 1 Procuring Installables

Download the appropriate SOA media pack from the following location:

http://edelivery.oracle.com/

Step 2 Extracting the Installables

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

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

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in Section 2.3, "Installation Checklists" 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 SOA Media Pack installation.

Step 1 Updating installobpsoa.properties

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

Step 2 Checklist for a new setup

Before initiating installation, check the following:

- Node manager must not be running on the target machine.
- Create a dummy folder named target and mention its path against HOST_ TARGET property.
- All required database schema are to be created manually using RCU 11.1.1.9. The schema are as follows:
 - MDS_SCHEMA_USER
 - BAM_SCHEMA_USER
 - SOA_INFRASTRUCTURE_SCHEMA_USER
 - USER_MESSAGING_SERVICE_SCHEMA_USER

Prefix for all these four schema should be same.

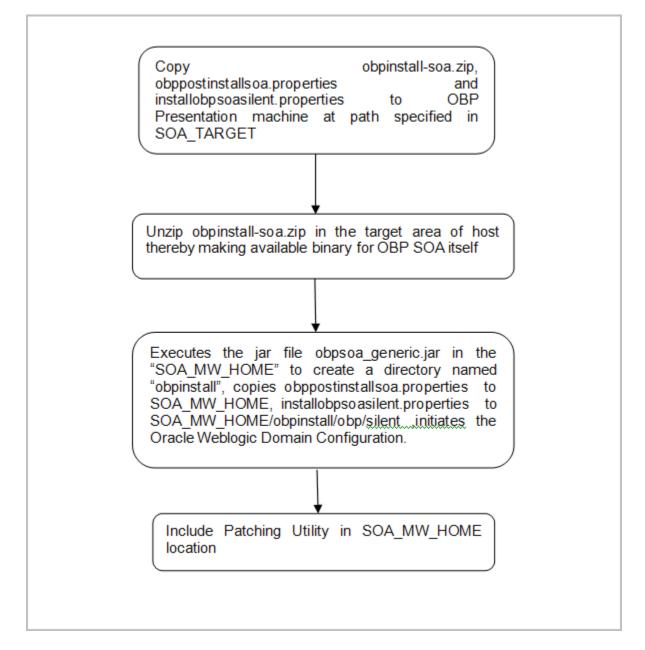
- Values given in installobpui.properties must be correct. At run time, no option is given to change the values.
- No processes should be running on the ports given in installobpsoa.properties.
- OID_DOMAIN_NAME in installobpsoa.properties must not exist in OID and must be different from OID_DOMAIN_NAME in installobpui.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.

5.1.3 Installation Steps

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

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





A sample output is given here.

Figure 5–2 Confirmation to Proceed Domain Installation

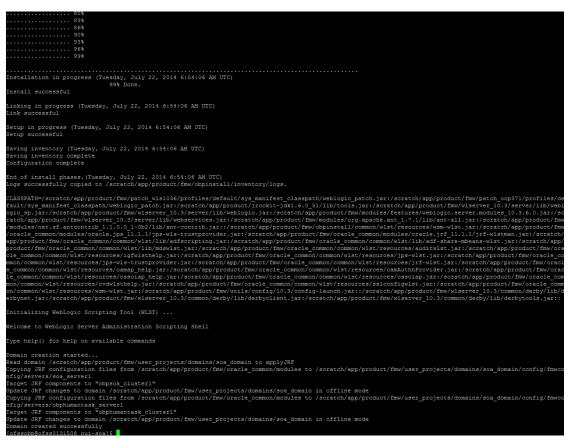
BAM_SERVER_LISTEN_ADDRESS	: 10.180.85.41
BAM SERVER LISTEN PORT	: 9003
BAM SERVER SSL LISTEN FORT	: 9004
HOST MANAGED SERVER LISTEN ADDRESS	: 10.180.85.39
HOST MANAGED SERVER LISTEN PORT	: 8001
POLICY_SEEDING_TYPE	: LDAP
LDAP PROVIDER	: OID
OID IP	: 10.180.85.42
OID_PORT	: 3060
OID_ADMIN_USER	: cn=orcladmin
OID ADMIN FWD	: welcome1
OID_DOMAIN_NAME	: ouisoadomain
OID_DOMAIN_PORT	: 7005
OID_GROUP_DSN	: cn=Groups,dc=in,dc=cracle,dc=com
OID USER DSN	: cn=Users,dc=in,dc=oracle,dc=com
JPS_CONTEXT_DSN	: jpsroot
OES_SCHEMA_USER	: HOSTUI_MDS
OES_SCHEMA_PASSWORD	: welcome1
OES_DB_IP	: 10.180.85.42
OES_DB_PORT	: 1521
OES_DB_SERVICE_NAME	: ORA8542
OES_IP	: 10.180.2.188
OES_MW_HOME	: /scratch/app/product/fmw
OES_DOMAIN_NAME	: oesDomain
OES_UNIX_USER	: ofssobp
NODE_MGR_PORT	: 5556
SOA_IP	: 10.180.85.41
SOA_HOME_PATH	: /scratch/app/product/fmw/Oracle_SOA1
SOA_TARGET	: /scratch/app/product/fmw/target
SOA_JAVA_HOME	: /scratch/app/product/jrockit-jdk1.6.0_51
OUI_JAVA_HOME	: /usr/lib/jvm/java-1.7.0-openjdk-1.7.0.9.x86_64
CENTRAL_INVENTORY_LOC	: /scratch/app/product/fmw/obpinstall/inventory
SOA_MW_HOME	: /scratch/app/product/fmw
UI_IP	: 10.180.85.40
UI_UNIX_USER	: ofssobp
UI_DOMAIN_HOME	: /scratch/app/product/fmw/user_projects/domains/ui_domain
INSTALL AS	: ofsaobp
SOA_ADMIN_JVM_PARAMS	: -Xms512m -Xmx1024m -Xgc:gencon -XXnosystemgc
SOA_MANAGED_JVM_PARAMS	: -Xms6144m -Xmx6144m -XXnosystemgc -Xns;2048m -XX:-FliphtRecorder -Xgc:pausetime
SOA_HUMANTASKSERVER_JVM_PARAMS	: -Djbo.ampool.doampooling=false -Xms4096m -Xms4096m -Xgc;pausetime -XX:-FlightRecorder -XXnosystemgc -Xns:1024m -Dobp.h
	ttp.idleTimeoutPollInterval=10000 -Dobp.http.maxRetryCount=3 -Dobp.http.socketBufferSize=8192 -Dobp.http.maxConnectionsPer ut=600000 -Dobp.http.expireAndRetry=false
KEYSTORE PASSWORD	i welcomei
UCM READ FROM URL	· welcomei
UCM IP	: ofss.ucm.com
UCM PORT	: 0139.4Cm.20m
UI MANAGED SERVER LISTEN ADDRESS	10.180.85.40
UI MANAGED SERVER LISTEN PORT	8001
DEFAULT BANK CODE	
DEFAULT TRANSACTION BRANCH CODE	8542
DEFAULT TARGET UNIT	SUNCORP
CARD USERNAME	· orakey
CARD PASSWORD	: welcome1
RULE USERNAME	: orakey
RULE PASSWORD	: welcome1
USER TIMEZONE	- +5:30
Please take your time and go through	h the information printed above in detail.
y .	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 5–3 Copying and Extraction of obpinstall-soa.zip

obpinstall-soa.zip	100% 274MB		00:02
obppostinstallsoa.properties	100% 2153	2.1KB/s	00:00
installobpsoasilent.properties	100% 1107	1.1KB/s	
The configuration of OBP SOA domain shall begin immediately thereafter.			
ofsscbp@10.180.85.41's password:			
Archive: /scratch/app/product/fmw/target/obpinstall-soa.zip			
inflating: /scratch/app/product/fmw/target/obpsoa_generic.jar			
inflating: /scratch/app/product/fmw/target/installdomain.sh			
inflating: /scratch/app/product/fmm/target/installdomain_silent.sh			
> /usr/lib/jvm/java-1.7.0-openjdk-1.7.0.9.x86_64/bin/java -jar obpsoa_generic.jar -silent ORACLE_HOME=/scratch/app/prod Launcher log file is /tmp/OraInstall2014-07-22 06-53-49AM/launcher2014-07-22 06-53-49AM.log.	acc/ may obpina	Call	
Extracting files			
Starting Oracle Universal Installer			
Checking if CFU speed is above 300 MHz. Actual 3457.998 MHz Passed			
Checking swap space: must be greater than 512 MB. Actual 15949804 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 169950 MB Passed			
Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2014-07-22_06-53-49AM			
Installation Summary			
Disk Space : Required 473 MB, Available 169,926 MB			
Feature Sets to Install:			
OBP SOA Server FeatureSet 2.3.0.0.0			
Next Generation Install Core 13.2.0.0.0			
OPatch 13.2.0.0.0			
You can find the log of this install session at:			
/tmp/OraInstall2014-07-22_06-53-49AM/install2014-07-22_06-53-49AM.log			
Loading products list. Please wait.			
40%			
Loading products. Please wait.			
443			
47%			
76%			
93%			
Installation in progress (Tuesday, July 22, 2014 6:54:06 AM UTC)			





5. Finally, if SOA_OPATCH_CREATION_FLAG="Y" in installobpsoa.properties file, the SOA Pre Installation ends with creation of a directory called 'patchStage' and a directory called 'patching' with the OPatch Utility executing code in SOA_MW_ HOME.

5.2 Post Installation Configuration

This section describes the post installation configuration procedure for Oracle Banking Platform SOA Media Pack. SOA post installation can be done after UI and Host post installation procedures have been completed.

Checklist for Post Installation Procedure

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

- 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
```

Settings

Before starting SOA admin and managed server make the following changes in <middleware home>/user_projects/domains/<domain name>/bin/setSOADomainEnv.sh:

Change the values to 4096 as shown below:

DEFAULT_MEM_ARGS="-Xms8192m -Xms8192m"

PORT_MEM_ARGS="-Xms8192m -Xms8192m"

if ["\${JAVA_VENDOR}" != "Oracle"]; then

DEFAULT_MEM_ARGS="\${DEFAULT_MEM_ARGS} -XX:PermSize=2048m -XX:MaxPermSize=4096m"

PORT_MEM_ARGS="\${PORT_MEM_ARGS} -XX:PermSize=2048m -XX:MaxPermSize=4096m"

Also, increase the size of tablespace for MDS (at least 4 GB) and SOAINFRA schema used for SOA domain.

Host Admin Server

Start the host admin server:

\$cd <host_miccleware_home/user_projects/domains/domain_name>

\$./startWebLogic.sh

Host Managed Server

Start the host managed server:

\$cd <host_miccleware_home/user_projects/domains/domain_name/bin>

\$./startManagedWebLogic.sh <managed server name> t3://localhost:<admin
server port>

Post Installation Configuration

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

cd <middleware home>

cd user_projects/domains/obpsoadomain

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

\$cd <soa middleware home>

Then execute following script:

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

A sample output is given here:

Figure 5–5 SOA Post Installation Confirmation

[ofssobp@ofss3131508 oui-soa]\$ cd /s	<pre>icratch/app/product/fmw/</pre>
[ofssobp@ofss3131508 fmw]\$./obp-soa	-post-install.sh
DOMAIN_NAME	: soa_domain
DOMAIN_DIRECTORY_LOCATION	: /scratch/app/product/fmw/user_projects/domains
WEBLOGIC_USERNAME	: weblogic
WEBLOGIC_PASSWORD	: weblogic1
ADMIN_SERVER_LISTEN_ADDRESS	: 10.180.85.41
ADMIN_SERVER_LISTEN_PORT	: 7001
SOA_SERVER_LISTEN_ADDRESS	: 10.180.85.41
SOA_SERVER_LISTEN_PORT	: 8001
BAM_SERVER_LISTEN_ADDRESS	: 10.180.85.41
BAM_SERVER_LISTEN_PORT	: 9003
HOST_MANAGED_SERVER_LISTEN_ADDRESS HOST_MANAGED_SERVER_LISTEN_PORT	: 8001
POLICY SEEDING TYPE	: DDP
LDAP PROVIDER	: OID
OID IP	: 10.180.85.42
OID PORT	3060
OID ADMIN USER	cn=orcladmin
OID ADMIN PWD	: welcome1
OID DOMAIN NAME	· wetchnet
OID GROUP DSN	: cn=forups,dc=in,dc=oracle,dc=com
OID USER DSN	: cn=Users,dc=in,dc=cracle,dc=com
JPS CONTEXT DSN	: jpsroot
NODE MGR PORT	: 5556
OES IP	: 10.180.2.188
OES MW HOME	: /scratch/app/product/fmw
OES DOMAIN NAME	: cesDomain
OES UNIX USER	: ofssobp
SOA IP	
SOA HOME PATH	: /scratch/app/product/fmw/Oracle_SOA1
SOA_TARGET	: /scratch/app/product/fmw/target
SOA_JAVA_HOME	: /scratch/app/product/jrockit-jdk1.6.0_51
SOA_MW_HOME	: /scratch/app/product/fmw
UI_IP	: 10.180.85.40
UI_UNIX_USER	: ofssobp
UI_DOMAIN_HOME	: /scratch/app/product/fmw/user_projects/domains/ui_domain
INSTALL_AS	: ofssobp
SOA_ADMIN_JVM_PARAMS	: -Xms512m -Xmx1024m -Xgc:gencon -XXnosystemgc
SOA_MANAGED_JVM_PARAMS	: -Xms6144m -Xmx6144m -XXnosystemgc -Xns:2048m -XX:-FlightRecorder -Xgc:pausetime
SOA_HUMANTASKSERVER_JVM_PARAMS	: -Djbc.ampool.doampooling=false -Xms4096m -Xmx4096m -Xgc:pausetime -XX:-FlightRecorder -XXnosystemgc -Xns:1024m -Dobp.h
	tp.idleTimeoutPollInterval=10000 -Dobp.http.maxRetryCount=3 -Dobp.http.socketBufferSize=8192 -Dobp.http.maxConnectionsPer
	it=600000 -Dobp.http.expireAndRetry=false
KEYSTORE_PASSWORD	: welcomei
UCM_READ_FROM_URL	
UCM_IP UCM_PORT	: of59.ucm.com : 4444
UI MANAGED SERVER LISTEN ADDRESS	: 10.180.85.40
UI MANAGED SERVER LISIEN_ADDRESS	: 10.180.85.40
DEFAULT BANK CODE	2 48
DEFAULT TRANSACTION BRANCH CODE	- 30 8542
DEFAULT TARGET UNIT	SUNCORP
CARD USERNAME	: orakey
CARD FASSWORD	. Welcome1
RULE USERNAME	: orakey
RULE PASSWORD	: welcome1
USER TIMEZONE	: +5:30
	the information printed above in detail.
	is correct, please enter Y or y to proceed. Press any other key to exit the installation.
Y <mark>.</mark>	

Figure 5–6 SOA Post Installation Completion

<pre>rplac: lumip] Expanding: /oracle/app/product/fmw/obpinstall/obp/workflow/metadata.rip into /oracle/app/product/fmw/obpinstall/obp/workflow/metadata/ mtadata [unjar] Expanding: /oracle/app/product/fmw/obpinstall/obp/workflow/metadata/metadata/sharedResources.jar into /oracle/app/product/fmw/obpinstall/obp/ xkflow/metadata/metadata/sharedResources.jar [st] Building jar: /oracle/app/product/fmw/obpinstall/obp/workflow/metadata/metadata/sharedResources.jar [st] Building jar: /oracle/app/product/fmw/obpinstall/obp/workflow/metadata/metadata/sharedResources.jar [st] Building jar: /oracle/app/product/fmw/obpinstall/obp/workflow/metadata/metadata/sharedResources.jar [st] Building jar: /oracle/app/product/fmw/obpinstall/obp/workflow/metadata/metadata/metadata updated.jmetadata [detes] Deleting directory /oracle/app/product/fmw/obpinstall/obp/workflow/metadata/metadata [st] SuccessTU. Total inse: 17 seconds Verifying OBS coAkILE MOME /oracle.soa.ext at /oracle/app/product/fmw/Opinstall/obp Buildfile: build.sml Total inse: 0 seconds Archive: BFELRecoveryConfig.jp inflating: recoveryConfig.jp inflating recoveryConfig.jp inflating recoveryConfig.jp journameter.commetent.compositeDataDupper(insection 0 to 0 Opdating RecurringScheduleConfig.maxMessageRaiseSize from 0 to 0 Opdating RecurringScheduleConfig.maxMessageRaise</pre>	MUG-VM-103/oracle/app/product/fmw
<pre>undata [undat] Expanding: //oracle/app/product/fms/obpinstall/obp/workflow/metadata/metadata/sharedResources.jar [dates] Delcing: /oracle/app/product/fms/obpinstall/obp/workflow/metadata/metadata/sharedResources.jar [dates] Delcing: /oracle/app/product/fms/obpinstall/obp/workflow/metadata/metadata/sharedResources.jar [dates] Delcing / oracle/app/product/fms/obpinstall/obp/workflow/metadata/metadata/sharedResources.jar [dates] Delcing / oracle/app/product/fms/obpinstall/obp/workflow/metadata/metadata/sharedResources.jar [date] Delcing / directory / oracle/app/product/fms/obpinstall/obp/workflow/metadata/metadata potated.jms/oracle/app/product/fms/obpinstall/obp/workflow/metadata/metadata units of the state is a state of the state of</pre>	
<pre>kTiow/setidata/sharedata/sharedata/sharedata/sharedata/sharedAta/sharedAta/sharedResources.jar [datete] Deleting/ cracel/app/product/fmw/obpinstall/obp/workflow/metadata/stadata/sharedResources.jar [st] Bullding jar: /oracle/app/product/fmw/obpinstall/obp/workflow/metadata/staded.ip [datete] Deleting/ cracel/app/product/fmw/obpinstall/obp/workflow/metadata/staded.ip [datet] Deleting directory /oracle/app/product/fmw/obpinstall/obp/workflow/metadata/metadata UTLD SUCCESSFUL coll time: 17 seconds cracel/app/product/fmw/obpinstall/obp/workflow/metadata/metadata UTLD SUCCESSFUL [chol] Creating oracle.sos.ext at /oracle/app/product/fmw/Oracle_SOAl/soa/modules/oracle.sos.ext li.i.i/oracle.sos.ext.jar :/oracle/app/product/fmw/Oracle_SOAl/soa/modules/oracle.sos.ext ii.i./oracle_SOAl/soa/modules/cracle.sos.ext ii.i./classes UTLD SUCCESSFUL [chol] Creating oracle.sos.ext at /oracle/app/product/fmw/Oracle_SOAl/soa/modules/oracle.sos.ext ii.i./classes UTLD SUCCESSFUL coll SuccessFUL</pre>	
<pre>[31] Building jar: / oracle/app/product/fms/objinstall/obj/workflow/metadata/sedata/sharedMeaources.jar [31] Building jar: / oracle/app/product/fms/objinstall/obj/workflow/metadata/Metadata [31] Sourcessrut [32] Building jar: / oracle/app/product/fms/objinstall/obj/workflow/metadata/metadata [32] Sourcessrut [33] Building jar: / oracle/app/product/fms/objinstall/obj [34] East lime: 17 seconds [34] East lime: 17 seconds [35] Sourcessrut [35</pre>	
<pre>JILD SUCCESSFUL tal time: 17 seconds refying OBP_ORACLE_HOME /oracle/app/product/fms/obpinstall/obp iiidfile: build.wml reate-manifest-jar: [ench Creating oracle.soa.ext at /oracle/app/product/fms/Oracle_SOAl/soa/modules/oracle.soa.ext ji.i.l/oracle.soa.ext.jar :/oracle/app/product/fms/Oracle_SOAl/soa/modules/oracle.soa.ext]enchOracle.soa.ext at /oracle/app/product/fms/Oracle_SOAl/soa/modules/oracle.soa.ext ji.i.l/oracle.soa.ext.jar :/oracle/app/product/fms/Oracle_SOAl/soa/modules/oracle.soa.ext].i./classes JILD SUCCESSFUL stal time: 0 seconds cohire: BEELRecoveryConfig.sh inflating: BEELRecoveryConfig.sh inflating: BEELRecoveryConfig.jar vdating FAErupScheduleConfig.maxMessageRaiseSize from 0 to 0 doting StartupScheduleConfig.maxMessageRaiseSize from 0 to 0 doting StartupScheduleConfig.impletry[inter]ype=javax.management.openmbean.SimpleType(name=ava</pre>	Building jar: /oracle/app/product/fmw/obpinstall/obp/workflow/metadata/metadata/sharedResources.jar Building zip: /oracle/app/product/fmw/obpinstall/obp/workflow/metadata/Metadata_updated.zip
<pre>tal time: 17 seconds ifying GDP ORACLE_NOME /oracle/app/product/fms/obpinstall/obp ildfile: bulld.xml este=manifest=jar: [ceho] Creating oracle.soa.ext at /oracle/app/product/fms/Oracle_SOAl/soa/modules/oracle.soa.ext_11.1.1/oracle.soa.ext_jar :/oracle/app/product/fms/Oracle_SOAl/soa/modules/oracle.soa.ext_jar :/oracle/app/product/fms/Oracle_SOAl/soa/modules/oracle.soa.ext_jar :/oracle/app/product/fms/Oracle_SOAl/soa/modules/oracle.soa.ext_jar :/oracle/app/product/fms/Oracle_SOAl/soa/modules/oracle.soa.ext_1.1.1/com.ofss.fc.workflow.dynamic.approvalgroup.jar:/oracle/app/product/fms/Oracle_SOAl/soa/modules/oracle.soa.ext 1.1/classes ILD SUCCESSFUL tal time: 0 seconds chive: BPELRecoveryConfig.ip inflating: BPELRecoveryConfig.jar dating RecurringScheduleConfig.maxNessageRaiseSize from 0 to 0 dating StartupScheduleConfig.maxNessageRaiseSize from 0 to 0 dating StartupScheduleConfig.maxNessageRaiseSize from 0 to 0 dating tartupscheduleConfig.maxNessageRaiseSize from 0 to 0 dating tartupScheduleConfig.maxNessage</pre>	Deleting directory /oracle/app/product/fmw/obpinstall/obp/workflow/metadata/metadata
<pre>rifying OBP_ORACLE_HOME /oracle/app/product/fmm/Oracle_SOAi/soa/modules/oracle.soa.ext_lil.i/oracle.soa.ext.jar :/oracle/app/product/fmm/Oracle_SOAi/soa/modules/oracle.soa.ext_lil.i/oracle.soa.ext.jar :/oracle/app/product/fmm/Oracle_SOAi/soa/modules/oracle.soa.ext_lil.i/oracle.soa.ext.jar :/oracle/app/product/fmm/Oracle_SOAi/soa/modules/oracle.soa.ext_lil.i/oracle.soa.ext.jar :/oracle/app/product/fmm/Oracle_SOAi/soa/modules/oracle.soa.ext_lil.i/oracle.soa.ext.jar :/oracle/app/product/fmm/Oracle_SOAi/soa/modules/oracle.soa.ext</pre>	
<pre>ildfile: build.xml este-manifest-jar: [echo] Creating oracle.soa.ext at /oracle/app/product/fmw/Oracle_SOAl/soa/modules/oracle.soa.ext_ll.ll/oracle.soa.ext.jar :/oracle/app/product/fmw/Oracle_SOAl/soa/modules/oracle.soa.ext_ll.ll/oracle.soa.ext.jar :/oracle/app/product/fmw/Oracle_SOAl/soa/modules/oracle.soa.ext_ll.ll/oracle.soa.ext_ll.ll/oracle.soa.ext_ll.ll/oracle.soa.ext.jar :/oracle/app/product/fmw/Oracle_SOAl/soa/modules/oracle.soa.ext_ll.ll/oracle.soa.ext_ll.ll/oracle_SOAl/soa/modules/oracle.soa.ext_ll.ll/oracle_SOAl/soa/modules/oracle.soa.ext_ll.ll/oracle_SOAl/soa/modules/oracle.soa.ext ll.ll/orases ILD SUCCESSUL tal time: 0 seconds chire: BPERecoveryConfig.sh inflating: BPERecoveryConfig.son dating RecurringScheduleConfig.maxMessageRaiseSize from 0 to 0 dating StartupScheduleConfig.maxMessageRaiseSize from 0 to 0 dating StartupScheduleConfig.ltems=</pre>	
<pre>[ech0] Creating cracte.soa.ext at /cracte/app/product/fmw/Oracle_SOAl/aoa/modules/oracle.soa.ext_lil.i/oracle.soa.ext_isr /cracle/app/product/fmw/Oracle_SOAl/aoa/modules/oracle.soa.ext_lil.i/or</pre>	
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- **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-DynamicApprovalGroup-log.txt
 - post-soa-GrantAndPolicySet-log.log
 - post-soa-taskflow-grants.log

Recommendations for enabling SSL

As mentioned in Chapter 2, "Pre-Installation Configuration", it is mandatory to install the Java Cryptography Extensions Unlimited Strength Jurisdiction Policy Files on machine nodes where SOA Media pack installation is planned. This enables additional encryption strengths.

Download the jce_policy.zip from Oracle website for the current Java version being used. For jdk1.7.0_xx, download UnlimitedJCEPolicyJDK7.zip from the following link:

http://www.oracle.com/technetwork/java/javase/downloads/jce-7-download-432
124.html

Copy "local_policy.jar" and "US_export_policy.jar" from this zip file in the path mentioned below:

JAVA_HOME/jre/lib/security/

To enable SSL, perform the following steps:

1. Create SSL Certificates in Java Keystore using keytool.

Execute the following scripts in the given order from the SOA unix shell prompt. Replace <SOA_SSL_PASSWORD> as welcome1 or any chosen password.

- **a.** \$SOA_JAVA_HOME/bin/keytool -genkey -alias `hostname -f` -keyalg RSA -keysize 2048 -sigalg SHA256withRSA -validity 1095 -keypass <SOA_SSL_ PASSWORD> -storetype jceks -keystore `hostname -f`_identity.jck -storepass <SOA_SSL_PASSWORD> -dname "CN=`hostname -f`, OU=Oracle Cloud for Industry, O=Oracle Corporation, L=Redwood Shores, S=California, C=US"
- **b.** \$SOA_JAVA_HOME/bin/keytool -export -alias `hostname -f` -file `hostname -f` .cer -keystore

`hostname -f_identity.jck -storetype jceks -storepass <SOA_SSL_PASSWORD>

\$SOA_JAVA_HOME/bin/keytool -import -alias `hostname -f` -file `hostname -f` .cer -keystore

`hostname -f`_trust.jck -storetype jceks -storepass <SOA_SSL_PASSWORD> -noprompt

- **c.** chmod o+r `hostname -f _identity.jck
- **d.** chmod o+r `hostname -f`_trust.jck
- e. chmod o+r `hostname -f`.cer

The following files are present in the "<SOA_DOMAIN>/ssl" folder:

- ACHINE_NAME>.cer
- <MACHINE_NAME>_identity.jck
- <MACHINE_NAME>_trust.jck

Example:

ofss3131507.in.oracle.com.cer

ofss3131507.in.oracle.com_identity.jck

ofss3131507.in.oracle.com_trust.jck

- **2.** Reconfigure WLS components to use the new certificate/stores.
 - **a.** In the admin console: http: //<SOA_HOST_IP>:<SOA_ADMIN_ PORT>/console, click the Admin Server. In the **Keystores** tab, make the following changes.
 - Keystores='Custom Identity and Java Standard Trust'
 - Custom Identity Keystore='<SOA_DOMAIN>/ssl/<MACHINE_ NAME>_identity.jck'

Example:

'/scratch/app/product/fmw/user_projects/domains/soa_ domain/ssl/ofss310063.in.oracle.com_identity.jck'

Custom Identity Keystore Type='JCEKS'

Custom Identity Keystore Passphrase= <SOA_SSL_PASSWORD>

Custom Standard Trust Keystore='<SOA_JAVA_ HOME>/jre/lib/security/cacerts' eg '/etc/ssl/certs/ofss310063.in.oracle.com_trust.jck'

Custom Trust Keystore Type='jks'

CustomTrustKeyStorePassPhrase=<SOA_SSL_PASSWORD>

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Change Center	Ame Log Out Preferences 🔤 Record Help	٩	Welcome, weblogic Connected to: ui_d
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Cen rity Realms	Custom Identity Keystore Type:	JCEKS	The type of the keystore. Generally, this is JKS. More Info
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Set up SSL	Confirm Custom Identity Keystore Passphrase:	•••••	
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OK (1)	Confirm Java Standard Trust Keystore Passphrase:		
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	Click the Lock & Edit button in the Change Center to modi	f. the settings of this second	

Figure 5–7 WebLogic Server - Keystores Tab

- **b.** In the **SSL** tab, make the following changes.
 - Identity and Trust Locations='Keystores'
 - Private Key Alias ='<SOA_DOMAIN>/ssl/<MACHINE_NAME>_ trust.jck'

Example:

'/scratch/app/product/fmw/user_projects/domains/soa_ domain/ssl/ofss310063.in.oracle.com_trust.jck'

Private Key Passphrase=<SOA_SSL_PASSWORD>

Change Center	🏠 Home Log Out Preferences 🖂 Record Help	Q	Welcome, weblogic Connected to: ui_do			
View changes and restarts	Home >Summary of Deployments >Summary of Servers	>AdminServer >Summary of Servers >AdminServer				
Click the Lock & Edit button to modify, add or	Settings for AdminServer					
delete items in this domain.	Configuration Protocols Logging Debug 7	Nonitoring Control Deployments Services Sec	aurity Notes			
Release Configuration	General Cluster Services Keystores SSL	Federation Services Deployment Migration Tu	ning Overload Health Monitoring Server Start Web Services			
omain Structure	Click the Lock & Edit button in the Change Center to	modify the settings on this page.				
_domain 4	Save					
EnvironmentServersClustersVirtual Hosts	This page lets you view and define various Secure So	ckets Layer (SSL) settings for this server instance. These	settings help you to manage the security of message transmissions.			
Migratable Targets E Coherence Servers Coherence Clusters	Identity and Trust Locations:	Keystores Change	Indicates where SSL should find the server's identity (certificate and private key) as well as the server's trust (trusted CAs). More Info			
Machines	- Identity					
Work Managers Startup and Shutdown Classes Deployments	Private Key Location:	from Custom Identity Keystore	The keystore attribute that defines the location of the private key file. More info			
B-Services	Private Key Alias:	ofss3131507.in.oracle.c	The keystore attribute that defines the string alias used to store and retrieve the server's private key. More Info			
Configure identity and trust Set up SSL	ر الله الله الله الله الله الله الله الل		The keystore attribute that defines the passphrase used to retrieve the server's private key. More Info			
Verify host name verification is enabled Configure a custom host name verifier	🚯 Confirm Private Key Passphrase:	•••••				
Configure two-way SSL	Certificate Location:	from Custom Identity Keystore	The keystore attribute that defines the location of the trusted certificate. More Info			
System Status E	- Trust					
Fealth of Running Servers Failed (0)	Trusted Certificate Authorities:	from Java Standard Trust Keystore	The keystore attribute that defines the location of the certificate authorities. More info			
Critical (0)	- D Advanced					
Overloaded (0) Warning (0)	Save					
Critical (0) Overloaded (0)	- & Advanced Seve Cick the Lock & Editbutton in the Change Center to		aumonos, more mo			

Figure 5–8 WebLogic Server - SSL Tab

3. In the Advanced section, enable the Use JSSE SSL option.

Figure 5–9 WebLogic Server - Advanced Section

Configure two-way 55.	Certificate Location:	from Custom Identity Keystore	The keystore attribute that defines the location of the trusted certificate. More Info
ystem Status 😑	- Trust		
fealth of Running Servers Failed (0)	Trusted Certificate Authorities:	from Java Standard Trust Keystore	The keystore attribute that defines the location of the certificate authorities. More Info
Critical (0)	- V Advanced		
Overloaded (0) Warning (0) OK (1)	🛃 Hostname Verification:	BEA Hostname Verifier	Specifies whether to ignore the installed implementation of the weblogic.security.SSL.HostnameVerifier interface (when this server is acting as a client to another application server). More Info
	🚓 Custom Hostname Verifier:		The name of the class that implements the weblogic.security.SSLHostnameVerifier interface. More Info
	Export Key Lifespan:	500	Indicates the number of times WebLogic Server can use an exportable key between a domestic server and an exportable client before generating a new key. The more secure you want WebLogic Server to be, the fewer times the key should be used before generating a new key. More Info
	Use Server Certs		Sets whether the client should use the server certificates/key as the client identity when initiating an outbound connection over https. More ${\rm Info}_{\cdots}$
	Two Way Client Cert Behavior:	Client Certs Not Requested +	The form of SSL that should be used. More Info
	🐔 Cert Authenticator:		The name of the Java class that implements the weblog: Jecurity ad:Certal/Interfactor class, which is deprecated in this release of Vickoug Server. This field is for Compatibility security only, and is only used when the Realm Adapter Authentication provider is configured. When Info
	SSLRejection Logging Enabled		Indicates whether warning messages are logged in the server log when SSL connections are rejected. More Info
	Allow Unencrypted Null Cipher		Test if the AllowUnEncryptedNullCpher is enabled More Info
	Inbound Certificate Validation:	Builtin SSL Validation Only	Indicates the client certificate validation rules for inbound SSL. More $\ensuremath{Info}\xspace{\ensuremath{nore}\xspace}$
	Outbound Certificate Validation:	Builtin SSL Validation Only	Indicates the server certificate validation rules for outbound SSL. More ${\rm Info}_{\cdots}$
	Use 355E 55L		Select the JSSE SSL implementation to be used in Weblogic. More ${\rm Info}$

- 4. Restart the Admin server.
- 5. Repeat steps 2, 3, and 4 for all managed servers.

Oracle BAM Installation using OBP SOA Media Pack

This section details every step involved in the installation of BAM using OBP SOA (Integration Server) Media pack. The subsequent section refers to the variable names specified in Section 2.3, "Installation Checklists".

6.1 Installation and Configuration Procedure

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

6.1.1 Preparatory Steps

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

Step 1 Procuring Installables

Download the appropriate SOA media pack from the following location:

http://edelivery.oracle.com/

Step 2 Extracting the Installables

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

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

Step 3 Printing Checklists

Take a printout of the installation checklist mentioned in Section 2.3, "Installation Checklists" of this guide and note the values applicable for each point in the last column for Value so that the same is handy during the actual installation.

6.1.2 Pre-Installation Steps

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

Step 1 Updating installobpsoa.properties

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

values from the checklist. This should be easy as the key for properties is same as Name column of the checklist.

Step 2 Checklist for a new setup

Before initiating installation, check the following:

- Node manager must not be running on the target machine.
- Create a dummy folder named target and mention its path against HOST_ TARGET property.
- All required database schema are to be created manually using RCU 11.1.1.9. The schema are as follows:
 - MDS_SCHEMA_USER
 - BAM_SCHEMA_USER
 - SOA_INFRASTRUCTURE_SCHEMA_USER
 - USER_MESSAGING_SERVICE_SCHEMA_USER

Prefix for all these four schema should be same.

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

 Table 6–1
 BAM Installation Property

Property Name	Property Value		
BAM_INSTALLATION	Y or y		

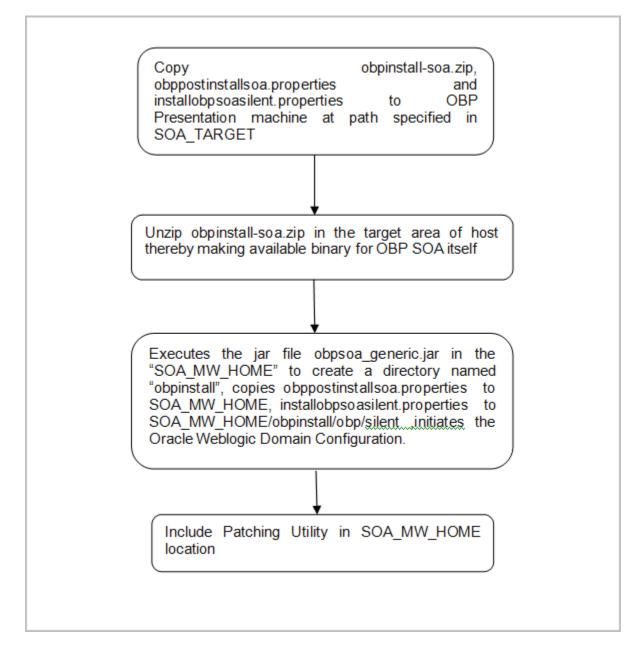
For BAM installation to take place this property should be set to any of the above two values. In case of SOA Installation, this property is set as N.

6.1.3 Installation Steps

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

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





A sample output is given here.

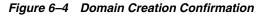
Figure 6–2 Confirmation to Proceed Domain Installation

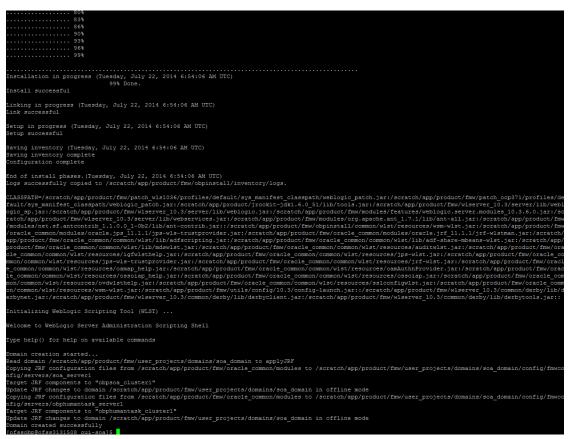
BAM_SERVER_LISTEN_ADDRESS	: 10.180.85.41
BAM SERVER LISTEN PORT	: 9003
BAM SERVER SSL LISTEN FORT	: 9004
HOST MANAGED SERVER LISTEN ADDRESS	: 10.180.85.39
HOST MANAGED SERVER LISTEN PORT	: 8001
POLICY_SEEDING_TYPE	: LDAP
LDAP PROVIDER	: OID
OID IP	: 10.180.85.42
OID_PORT	: 3060
OID_ADMIN_USER	: cn=orcladmin
OID ADMIN FWD	: welcome1
OID_DOMAIN_NAME	: ouisoadomain
OID_DOMAIN_PORT	: 7005
OID_GROUP_DSN	: cn=Groups,dc=in,dc=cracle,dc=com
OID USER DSN	: cn=Users,dc=in,dc=oracle,dc=com
JPS_CONTEXT_DSN	: jpsroot
OES_SCHEMA_USER	: HOSTUI_MDS
OES_SCHEMA_PASSWORD	: welcome1
OES_DB_IP	: 10.180.85.42
OES_DB_PORT	: 1521
OES_DB_SERVICE_NAME	: ORA8542
OES_IP	: 10.180.2.188
OES_MW_HOME	: /scratch/app/product/fmw
OES_DOMAIN_NAME	: oesDomain
OES_UNIX_USER	: ofssobp
NODE_MGR_PORT	: 5556
SOA_IP	: 10.180.85.41
SOA_HOME_PATH	: /scratch/app/product/fmw/Oracle_SOA1
SOA_TARGET	: /scratch/app/product/fmw/target
SOA_JAVA_HOME	: /scratch/app/product/jrockit-jdk1.6.0_51
OUI_JAVA_HOME	: /usr/lib/jvm/java-1.7.0-openjdk-1.7.0.9.x86_64
CENTRAL_INVENTORY_LOC	: /scratch/app/product/fmw/obpinstall/inventory
SOA_MW_HOME	: /scratch/app/product/fmw
UI_IP	: 10.180.85.40
UI_UNIX_USER	: ofssobp
UI_DOMAIN_HOME	: /scratch/app/product/fmw/user_projects/domains/ui_domain
INSTALL AS	: ofsaobp
SOA_ADMIN_JVM_PARAMS	: -Xms512m -Xmx1024m -Xgc:gencon -XXnosystemgc
SOA_MANAGED_JVM_PARAMS	: -Xms6144m -Xmx6144m -XXnosystemgc -Xns;2048m -XX:-FliphtRecorder -Xgc:pausetime
SOA_HUMANTASKSERVER_JVM_PARAMS	: -Djbo.ampool.doampooling=false -Xms4096m -Xms4096m -Xgc;pausetime -XX:-FlightRecorder -XXnosystemgc -Xns:1024m -Dobp.h
	ttp.idleTimeoutPollInterval=10000 -Dobp.http.maxRetryCount=3 -Dobp.http.socketBufferSize=8192 -Dobp.http.maxConnectionsPer ut=600000 -Dobp.http.expireAndRetry=false
KEYSTORE PASSWORD	i welcomei
UCM READ FROM URL	· welcomei
UCM IP	: ofss.ucm.com
UCM PORT	: 0139.4Cm.2Om
UI MANAGED SERVER LISTEN ADDRESS	: 10.180.85.40
UI MANAGED SERVER LISTEN PORT	8001
DEFAULT BANK CODE	
DEFAULT TRANSACTION BRANCH CODE	8542
DEFAULT TARGET UNIT	SUNCORP
CARD USERNAME	· orakey
CARD PASSWORD	: welcome1
RULE USERNAME	: orakey
RULE PASSWORD	: welcome1
USER TIMEZONE	- +5:30
Please take your time and go through	h the information printed above in detail.
y .	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 6–3 Copying and Extraction of obpinstall-soa.zip

oppinstall-soa.zip	100% 274MB		
oppinstall-soa.zip obpostinstallsoa.properties	100% 274MB 100% 2153	2.1KB/3	00:02
oppositivation.proprietes	100% 2155	1.1KB/s	00:00
The configuration of OBP SOA domain shall begin immediately thereafter.	1006 1107	1.10,3	
ofssobp@10.180.85.41's password:			
Archive: /scratch/app/product/fmw/target/obpinstall-soa.zip			
inflating: /scratch/app/product/fmw/target/obpsoa generic.jar			
inflating: /scratch/app/product/fmw/target/installdomain.sh			
inflating: /scratch/app/product/fmw/target/installdomain silent.sh			
> /usr/lib/jvm/java-1.7.0-openjdk-1.7.0.9.x86_64/bin/java -jar obpsoa_generic.jar -silent ORACLE_HOME=/scratch/app/productions	ct/fmw/obpins		
Launcher log file is /tmp/OraInstall2014-07-22_06-53-49AM/launcher2014-07-22_06-53-49AM.log.			
Extracting files			
Starting Oracle Universal Installer			
Checking if CFU speed is above 300 MHz. Actual 3457.998 MHz Passed			
Checking swap space: must be greater than 512 MB. Actual 15949804 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 169950 MB Passed			
Checking temp space: must be greater than sou mb. Actual 169950 Mb Passed			
Preparing to launch the Oracle Universal Installer from /tmp/OraInstall2014-07-22 06-53-49AM			
Installation Summary			
Disk Space : Required 473 MB, Available 169,926 MB			
Feature Sets to Install:			
OBP SOA Server FeatureSet 2.3.0.0.0			
Next Generation Install Core 13.2.0.0.0			
OPatch 13.2.0.00			
You can find the log of this install session at:			
/tmp/draInstall2014-07-22 06-53-49AM/install2014-07-22 06-53-49AM.log			
, support and support of the state of the st			
Loading products list. Please wait.			
Loading products. Please wait.			
63%			
Installation in progress (Tuesday, July 22, 2014 6:54:06 AM UTC)			





5. Finally, if SOA_OPATCH_CREATION_FLAG="Y" in installobpsoa.properties file, the SOA Pre Installation ends with creation of a directory called 'patchStage' and a directory called 'patching' with the OPatch Utility executing code in SOA_MW_ HOME.

6.2 Post Installation Configuration

This section describes the post installation configuration procedure for BAM using OBP SOA Media Pack. Post installation for BAM can be done after UI and Host post installation is completed.

Checklist for Post Installation Procedure

Before proceeding with the post installation, ensure the following:

 Run the DB script Run.sql from location "<MIDDLEWARE_ HOME>/obpinstall/obp/workflow/bam/db" (If db scripts are run separately then they should be executed in the order mentioned in the Run.sql.)

Note: Make sure to grant CREATE VIEW privileges to the BAM SCHEMA that is being used.

2. Start the host admin server.

\$cd <MIDDLEWARE_HOME >/user_projects/domains/domain_name

```
$./startWeblogic.sh
```

3. Start the host managed server "bam_server1" and wait for around 30 minutes for internal processes to complete.

\$cd <MIDDLEWARE_HOME>/user_projects/domains/domain_name/bin

\$./startManagedWebLogic.sh <managed server name>
t3://localhost:<admin server port>

- 4. Create the BAM External DB.
 - a. Go to the BAM Login Page Link: http://<BAM_IP>:9003/OracleBAM
 - b. After logging in, proceed to the BAM Start Page, and then click Architect.
 - c. Select External Data Source from the top left side and click the Create link.

Figure 6–5 Select External Data Source

	Penorala: Help About
External Data Sources 👻	
External Data Sources Refresh list	Crugge (Select an Izemon the left to view.)
	(Select an Itemos the left to vews.)
Dene	Quecalitar 🥳 • C.30% •

- **d.** Enter the BAM SCHEMA details (enter a name of your choice/requirement for the external date source name).
- **e.** Click Test to test the connection. It will prompt success message as shown in the below figure, if all the entries are proper. Click OK.

Figure 6–6 Enter Schema Details and Test

		Personalize Help About
External Data Sources		
External Data Sources	Creating new External Data Source of type "JDBC".	
Refresh lat	External Data Source Name: DAM_DB	
	BAM Data Source	
	Driver: [sradu.jdc.driver.OradeDriver Login: [DispectSSDL_ORABAM	
	Password:	
	Connection String: dbcorade:thin:@10.180.4.104:1521:0R44104	
	Text Circle Carcol	
	Would you like to store your password for 10.180.4.69? Why am I seeing this? Yes Not for this ste	× * *

f. Click Create to save the external db resource details.

Figure 6–7 Create External Data Source

				Personalize Heip About
External Data Sources 👻				
External Data Sources	Creating new External Data S External Data Source Name:		1	
BAM.DB	Description	*		
		v ode jubu driver. Or ode Driver DEV. ORABAM]	
	Password		1	
		abconstellinis @10.100.85.42:1521/0RAI542	í l	
	Test	Creste Canool		
Done				👊 Local Intr 👘 🔹 🔍 100% 💌

g. After clicking OK, you are done with the External Data Source Configurations as shown in the below figure.

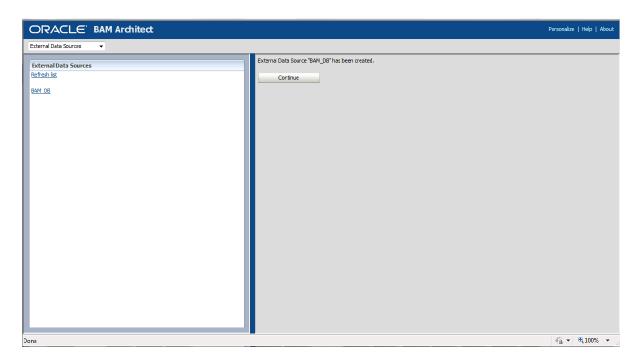


Figure 6–8 External Data Source Created

Post Installation Configuration

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

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

\$cd <middleware home>

2. Run the script by:

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

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

\$cd <MIDDLEWARE_HOME>/user_projects/domains/domain_name/bin

\$./startManagedWebLogic.sh <managed server name>
t3://localhost:<admin server port>

7

Oracle Banking Platform Reference Process Models Media Pack Installation

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

The business processes that are supported by Oracle Banking Platform (OBP) have been defined using Oracle BPA – Oracle Business Process Management Version 12c.

7.1 Pre-Installation Steps

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

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

To view the process maps, it is mandatory that the Oracle BPM Version 12c is installed in the server, and appropriately configured based on the specific installation needs. For more information, see the Oracle BPM Installation guide.

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

7.2 Installing RPM Process Maps

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

1. Launch the Oracle Business Process Composer from a browser, and connect to the Web Server where BPM 12c has been installed.

Figure 7–1 Log in to the OBP Composer

ORACLE' Business Process Composer		0
	PadmaM	
	Login	
		Discovery BA
		Modelins
		BPM
		Simulations
BPM Composer		
or rei Som poser		Run and monitor
and the second		

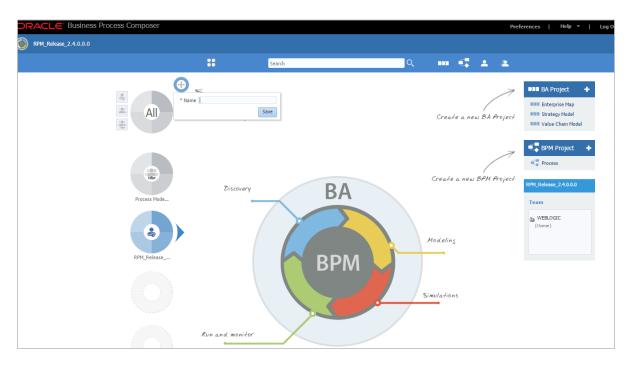
2. Create a new space for the release by clicking the + icon.

Figure 7–2 Create a New Space

ORACLE' Business Process Composer			Pre	ferences Help * Log Out	Welcome, weblogic
🔘 All Spaces					🄑 Madeler view
	**	Search Q			
	Create a new Space		Create a new BA Project	BBB BA Project + BBB Enterprise Map BBB Strategy Model BBB Value Chain Model	
Frotess Hode_	Discovery	ВА	Create a new BPM Project	BPM Project Proces Recent Projects No Recent Projects	
		ВРМ	Modelins		
	Run and monifor		Simulations		

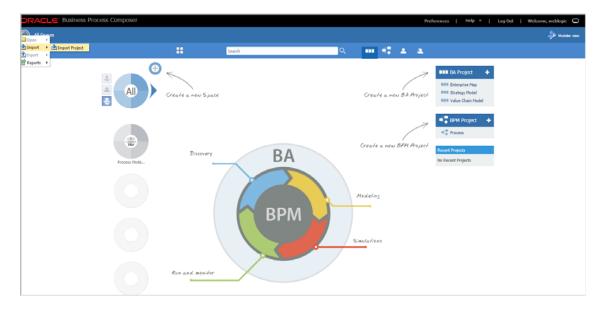
3. Provide an appropriate name for the Space in the box. For example, RPM for OBP Release 2.4.0.0.0.

Figure 7–3 Name the Space



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

Figure 7–4 Import Project



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

Figure 7–5 Select the first file

ORACLE' Business Process Composer						Pref	erences Help = Log Out Welcome, weblogic 🔘
🛞 All Spaces							
		Search	Q 💵				
	Create a new Space		Cre	ate a	new BA	7 Project	BIB BA Project
Prices Note-	ine Discovery + (Cane	•	Aroject	GPM Project
O O	Run and menider	BPM	Simulat	ions			

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

Figure 7–6 Click OK to Import the Project

Business Process Compose ×			ちの感覚感覚を		Prabhakara = co
E -> C 10.184.152.153:7004/bpm/composer/fac	:es/app/designer/hon	nePage.jspx			Q \pm 오
DRACLE Business Process Composer			Preferences	Help - Log Out	Welcome, prabhakaras 🛛
Reference Process Model for Banking					
		Search			
Froces Mode	Import from file Reference Process	Manage Limits and Collaterals Space: Enderence Process Model for Bunking Platform Release 2. Created: 1:45 PM Created: FRABHARABS Type: IPPT Project In Model for Bunking Platform Release 2.4.0.0.0	Update (2) OK Cancel	Ball Project Control of the state o	

- 7. Proceed to import all the 18 projects one by one onto the space.
- **8.** Once all the projects are imported, you can then provide access rights to your users as per your organization requirements and norms. Users can now access BPM processes within the projects according to their access privileges.

The installation process is complete.

Standalone Database Setup – Running Repository Creation Utility (RCU)

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

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

8.1 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 8.2, "Oracle Banking Platform Database Setup – RCU Installation":

- 1. Oracle Database Enterprise Edition 11.2.0.3.0 is installed on the database server.
- **2.** Obtain the tar file obprcu.tar from Oracle Banking Platform Host media pack and copy it onto the database server.

8.2 Oracle Banking Platform Database Setup – RCU Installation

Following steps should be performed to create the Oracle Banking Platform DB schema:

- 1. To manually create host db schema, copy the tar file obprcu.tar and installrcu.sh (Extract obpinstall-host.zip to get these two files) to a directory on the DB server.
- **2.** In Linux console navigate to that directory and run the installrcu.sh using the following:

#./installrcu_silent.sh \$HOST_TARGET \$OBP_HOST_DB_IP \$OBP_HOST_DB_PORT \$OBP_HOST_DB_SERVICE_NAME \$HOST_DB_SCHEMA_PREFIX \$OBP_HOST_DB_PASSWORD \$MDS_HOST_DB_PASSWORD

Here \$HOST_TARGET is the location which contains the obprcu.tar.gz and the installrcu.sh file.

Use the actual values in arguments, such as:

./installrcu_silent.sh /oracle/app/product/fmw/target 10.180.25.200
1521 OBPDB DEV15 welcome1 welcome1

It will create two schema named as DEV15_OBP_HOST and DEV15_MDS in the db.

Figure 8–1 Host DB Schema Setup Confirmation

Proot@IFLMUD5IM00385:/opt/oracle/fmw/s		
ATMUSER_OUTBOUND_USERNAME	: atmuserweblogic	
ATMUSER_OUTBOUND_PASSWORD	: weblogic1	
POSUSER_OUTBOUND_USERNAME	: posuserweblogic	
POSUSER_OUTBOUND_PASSWORD	: weblogic1	
DMSHOST_OUTBOUND_USERNAME	: dmshostweblogic : weblogic1	
DMSHOST_OUTBOUND_PASSWORD DMSUI OUTBOUND USERNAME	: weblogici : dmsuiweblogic	
	: amsulweblogic : weblogicl	
DMSUI_OUTBOUND_PASSWORD KEYSTORE PASSWORD	: weblogici : welcome1	
JCM READ FROM URL	: welcomet : true	
ICM IP	: ofss.ucm.com	
JCM_IP	: 4444	
CH_FORI		
lease take your time and go th	rough the information printed above in detail.	
	ion is correct, please enter Y or y to proceed. Press any other key to	exit the installation.
Installation will begin in some	time.	
	les are copied onto the servers.	

	ices attached to this computer and the	
	om this point contain information that is	
confidential.		
Your activities and use of thes	e facilities are monitored.	
Your use of (and related activi	ties in connection with) these facilities is	
recorded and may be reviewed at	any time.	
For Support You may Contact,		
InfraStructure Team		
********************************	***********	
oracle@10.180.25.15's password:		
obpinstall-host.zip		100% 743MB 11.3MB/s 01:06
obppostinstallhost.properties		100% 3090 3.0KB/s 00:00
installobphostsilent.properties		100% 714 0.7KB/s 00:00
		2000 (21 01/12/5 00/00

	ices attached to this computer and the	
	om this point contain information that is	
confidential.		
Your activities and use of thes	e facilities are monitored.	
Your use of (and related activi	ties in connection with) these facilities is	
recorded and may be reviewed at	any time.	
For Support You may Contact,		
InfraStructure Team		

pracle@10.180.25.15's password:		
Archive: /oracle/app/product/f	mw/target/obpinstall-nost.zlp t/fmw/target/obpinstall.tar.gz	
inflating: /oracle/app/produc inflating: /oracle/app/produc		
inflating: /oracle/app/produc inflating: /oracle/app/produc		
	t/fmw/target/installfcu.sh	
extracting: /oracle/app/produc		
Finished copying the installabl		
	t db seeding,else press any other key to skip it.	
Y		

Figure 8–2 Enter Database Credentials

Proof@IFLMUD5IM00385:/opt/oracle/fmw/sudip_MW_11.1.1.6/mediapack_silent/host on # Clentry #1.			
Shildenciai.			
our activities and use of these facilities are monitored.			
our use of (and related activities in connection with) these facilities is			
ecorded and may be reviewed at any time.			
or Support You may Contact,			
nfraStructure Team			

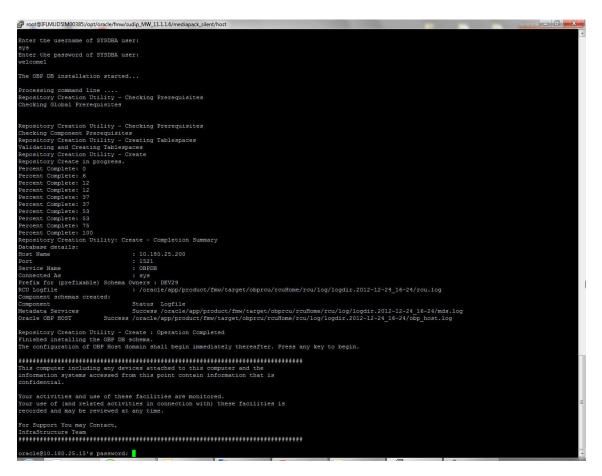
racle010.180.25.15's password:			
bpinstall-host.zip		100% 743MB	11
bppostingtallhost.properties		100% 3090	
nstallobphostsilent.properties			
his computer including any devices attached to this computer and the			
nformation systems accessed from this point contain information that is			
onfidential.			
our activities and use of these facilities are monitored.			
our use of (and related activities in connection with) these facilities is			
ecorded and may be reviewed at any time.			
or Support You may Contact,			
nfraStructure Team	Ι		

racle@10.180.25.15's password:			
rchive: /oracle/app/product/fmw/target/obpinstall-host.zip			
inflating: /oracle/app/product/fmw/target/obpinstall.tar.gz			
inflating: /oracle/app/product/fmw/target/obprcu.tar.gz			
inflating: /oracle/app/product/fmw/target/installrcu.sh			
inflating: /oracle/app/product/fmw/target/installdomain.sh			
extracting: /oracle/app/product/fmw/target/ldif.zip			
inished copying the installables to the target server.			
ress Y or y to proceed for host db seeding,else press any other key to skip it.			
his computer including any devices attached to this computer and the			
nformation systems accessed from this point contain information that is			
onfidential.			
our activities and use of these facilities are monitored.			
our use of (and related activities in connection with) these facilities is			
ecorded and may be reviewed at any time.			
or Support You may Contact,			
nfraStructure Team			
racle@10.180.25.15's password:			
xtracting obprou.tar.gz			
bprcu.tar.gz extracted.			
nter the username of SYSDBA user:			
ys nter the password of SYSDBA user:			

Figure 8–3 Creation of Host DB Schema

Proot@IFLMUD5IM00385:/opt/oracle/fmw/sudip_MW_11.1.1.6/mediapack_silent/host		 - 0 - X
Your use of (and related activities in connection with) these facilities is recorded and may be reviewed at any time.		*
For Support You may Contact,		
InfraStructure Team		
oracle@10.180.25.15's password: Archive: /oracle/app/product/fmw/target/obpinstall-host.zip		
<pre>inflating: /oracle/app/product/fmw/target/obpinstall.tar.gz inflating: /oracle/app/product/fmw/target/obprcu.tar.gz</pre>		
inflating: /oracle/app/product/fmw/target/installrcu.sh		
<pre>inflating: /oracle/app/product/fmw/target/installdomain.sh extracting: /oracle/app/product/fmw/target/ldif.zip</pre>		
Finished copying the installables to the target server. Press Y or y to proceed for host db seeding,else press any other key to skip it.		
ала се наста се се на на наста и на се на се		
This computer including any devices attached to this computer and the information systems accessed from this point contain information that is		
confidential.		
Your activities and use of these facilities are monitored.		
Your use of (and related activities in connection with) these facilities is recorded and may be reviewed at any time.		
For Support You may Contact,		
InfraStructure Team		
oracle@10.180.25.15's password: Extracting obprou.tar.gz		
obprcu.tar.gz extracted.		
Enter the username of SYSDBA user: sys		
Enter the password of SYSDBA user: welcome1		
The OBP DB installation started		
Processing command line Repository Creation Utility - Checking Prerequisites		
Checking Global Prerequisites		
Repository Creation Utility - Checking Prerequisites Checking Component Prerequisites		
Repository Creation Utility - Creating Tablespaces Validating and Creating Tablespaces		
Repository Creation Utility - Create		=
Repository Create in progress. Percent Complete: 0		
Percent Complete: 6 Percent Complete: 12		
Percent Complete: 12 Percent Complete: 37		
Percent Complete: 37 Percent Complete: 37		
	Y a	-

Figure 8–4 Completion of Host DB Schema Creation



8.3 Completion of Host DB Schema Creation Verification

This section describes verification steps that can be taken to check if the Database setup is complete. The procedure to check if the DB setup is complete is as follows:

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

8.4 HOST DB Schema Seeding

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

- 1. After the host db schema has been created successfully, copy the 'seed' folder from '\$HOST_TARGET /obprcu/rcuHome/rcu/integration/obphost/sql/ORACLE' 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).
- **2.** Now open command prompt and navigate inside the 'seed' folder in the local 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 DEV15_OBP_HOST@welcome1@OBPDB @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.

8.5 System Configuration DB Update Script Execution

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

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

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

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

```
C:> D:
C:> cd D:\script
D:\seed > sqlplus DEV15_OBP_HOST@welcome1@OBPDB @ updateSystemDetails.sql
```

Oracle Banking Platform and IPM Integration

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

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

- Section 9.1, "IPM Application Creation"
- Section 9.2, "Manage Inputs"

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.

9.1 IPM Application Creation

This section provides information on creation of the IPM application. This is a mandatory configuration required on the IPM side to enable integration of OBP with IPM for content management.

9.1.1 Manage Connections

This section provides information on managing connections in IPM. The following connection profiles will be used during creation of the applications in the next section Manage Applications.

9.1.1.1 UCM Connection

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

- OBP_IPM_UCM_CONN_NAME
- OBP_IPM_UCM_CONN_PORT

9.1.1.2 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

9.1.2 Manage Applications

This section provides information on managing applications in IPM.

See the Oracle Banking Platform Administrator's Guide for Oracle IPM for details on how to create an application in IPM. Following are the steps to manage applications in IPM:

1. Create a main application and a temporary application in IPM using the names listed for properties OBP_IPM_MAIN_APP_NAME and OBP_IPM_TEMP_APP_NAME in the installation checklist Updating installobp***.properties respectively.

The field definitions to be used during creation of an application have been depicted in Figure 9–1, "IPM Application Field Definitions" and workflow configuration details have been depicted in Figure 9–2, "IPM Application Workflow Configuration".

The applications should be created with the details as depicted below. The application ID generated for both the applications should be noted for use in the next step.

Figure 9–1 IPM Application Field Definitions

Gener	al Properties Field I	Definitions Ap	plication Securit	y Document S	Gecurity S	torage Policy	Workflow	Configuratio	n Review S	ettings						
	PMBULK: Field			10.1. ±1.		taba da situb dia	la astronom				Cancel	Back	Ne	ext	Su	bmit
	Add 👻 💥 Remove	the applications	content. select	. wext when y	ou nave rin	ished with he	id definition	15.								
Туре	Name	Length	Scale	Required	Indexed	Default Valu	Je .						1	Picklis	t	
Abc	Document Type	80 🔪										Ø	88	4	Ø	88
Abc	Customer Id	80 🗘										0	83	4	Ø	83
Abc	FCDocId	80 🔪										Ø	88	4	Ø	88
Abc	UploadType	80 🔪										0	88	4	O	88

Figure 9–2 IPM Application Workflow Configuration

General Properties Fie	ld Definitions	Application Se	urity Docun	nent Security	Storage Polic	y Workflo	w Configura	tion Rev	iew Settings					
FestIPMBULK: W	orkflow C	onfiguratio								C	ancel	Back	Nex	t Sub
												_	_	
Configure workflow. If n configuration or "Delete								low config	uration is def	ined, se	lect "Mo	odify" to	change	the
🥖 Modify 💥 Delete	🖉 Disable	e												
Server Properties														
	Connection	22:STR2SOA												
Component Propertie:														
Component Propertie:		default/com.ofs	.fc.workflow.	process.Upda	ateDocument!1	.0								
Component Propertie:	Composite	default/com.ofs updatedocumer			ateDocument!1	.0								
Component Propertie:	Composite	updatedocumer			ateDocument!1	.0								
	Composite Service	updatedocumer			ateDocument!1	.0								
Payload Properties	Composite Service	updatedocumer process		nt_ep	ateDocument!1	.0								
Payload Properties Payload Id	Composite Service	updatedocumer process	process_clier	nt_ep	ateDocument!1	.0								
Payload Properties Payload Id process.CustomerId	Composite Service	updatedocumer process	process_clien	nt_ep stomerId	ateDocument!1	.0								
Payload Properties Payload Id process.CustomerId process.DocumentType	Composite Service	updatedocumer	process_clien apped Value ieldValue Cu	stomerId cumentType	ateDocument!1	.0								
Component Properties Payload Properties Payload Id process.Customerid process.FCDocid process.FCDocid process.FCDocid	Composite Service	updatedocumer	process_clien lapped Value ieldValue Cu ieldValue Do	stomerId cumentType DocId	ateDocument!1	.0								
Payload Properties Payload Id process.CustomerId process.FCDocId	Composite Service	updatedocumer	process_clien apped Value ieldValue Cu ieldValue Do ieldValue FC	stomerId cumentType DocId	ateDocument!1	.0								

2. The application id generated for the main and temporary applications created in the previous step should be updated in the OBP DB schema table flx_cm_doc_typ_ meta_data using the following SQL statements:

Note: In the SQL statements, replace the <main application id> with the application id generated for the IPM application OBP_IPM_MAIN_APP_NAME listed in the checklist and <temporary application id> with the application id generated for the IPM application OBP_IPM_TEMP_APP_NAME listed in the checklist, 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';

 Create a temporary folder on the middleware Host server and specify the folder name against PROPERTY_FILE_PATH_FOR_MANIFEST in the property file oracleipm.properties.

9.2 Manage Inputs

Manage Inputs 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 deciphered by the IPM Bulk data upload feature (known as an document upload input agent in IPM), which uploads scanned documents from a shared folder into IPM.

This upload takes place in the following steps:

1. A file containing details of the scanned documents to be uploaded is taken as input from a location on the server. This location has to be configured in the System MBean Browser as shown below:

¥ B	A	pplication Defined MBea	ns: config		Apply R
		Show MBean Information			
Runtime MBeans		Ittributes			
JMImplementation		Name	Description	Access	Maker
Security		Name	Render page-cache temp file location. Takes effect at server		value
com.bea Application Defined MBeans		2 CacheLocation	restart.	RW	
EMDomain com.oracle		3 CheckInterval	Configures how often (in minutes) input agent checks for work. Takes effect on the next check cycle.	RW	15
comoracle.igf com.oracle.irm	_ ·	4 CleanupExpireDays	Configures how many days files will remain in the Input Agent Holding directory	RW	0
com.oracle.jdbc com.oracle.jps		5 CleanupFileExclusionList	Configures the filenames that will not be moved to the Input Agent Holding directory. File paths must be exact matches to these values.	RW	
com.oracle.jrockit com.sun.management		6 DefaultColorSet	Name of default skin used by UI if user has not set a preference.	RW	
com.sun.xml.ws.transport.http com.sun.xml.ws.util		7 DefaultSecurityGroup	The default security group to use for document security when creating an application	RW	
emoms.props emomslogging.props		8 DocumentFileTimeout	The timeout in mSec for any repository operations like create/update/move document	RW	2000000
java.lang java.util.logging oracle.adf.share.config		9 GDFontPath	Path referencing a location containing TTF font files for use by OIT rendering package. Takes effect on session bean initialization.	RW	/usr/share/X11/fonts/TTF
oracle.adf.share.connections	۰ ۱	0 InputAgentRetryCount	Controls how many times a job can be retried. The default is 3; on the 4th try the job is placed in the failed directory.	RW	3
oracle.bc4j.mbean.config	1	1 InputDirectories	Provides list of directories stored as CSV strings where input sources should look for work. Takes effect immediately.	RW	home/oracle/testinputagent/inputdir1
oracle.dfw oracle.dms	. 1	2 IPMVersion	The I/PM version number.	R	11.1.1.5.0 (110426.1700.11020)
oracle.dms	1	3 JpegImageQuality	Specifies desired quality level of rendered JPG images	RW	100
oracle.imaging		4 LogDetailedTimes	Provides detailed logging of UI activity with durations of many of the UI activities. Takes effect at server restart.	RW	false
	,	5 MaxSearchResults	Maximum number of rows a search is allowed to return. After this value is reached, the search is stopped. Takes effect on next search.	RW	100
e con micro portacle.imaging:Locat		6 RequireBasicAuthSSL	Forces the use of SSL in all web service communication when set to true	RW	false

Figure 9–3 IPM Bulk Upload Input Location

- 2. Uploads the scanned documents as specified in the input file.
- **3.** Invokes the 'IPMBulkUpload' BPEL process deployed on the SOA server as part of the SOA media pack installation process.
- **4.** The BPEL process updates the IPM document reference id in OBP for the document record.

BIP Datasource Creation

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

10.1 BIP Datasource Creation

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

Follow the below mentioned steps to create the datasource:

1. Open a browser and navigate to:

<BIP_SERVER_IP>:<BIP_SERVER_PORT>/xmlpserver

2. Log on using the following credentials:

Username	<bip_server_ USER></bip_server_
Password	<bip_server_ PSWD></bip_server_

) Oracle BI Publisher Enterprise Login	+	A	153	
10.180.33.39:9704/xmlpserver/		☆▼C	<mark>8</mark> ₹ Google	۹ ا
Most Visited 🗌 Getting Started 📙 Fro	m Google Chrome			🖪 Bookn
ORACLE' BI Publisher E	interprise			
	Sign In			
	Please enter username and password			
	Username			
	weblogic			
	Password			
	•••••			
	Accessibility Mode			
	Sign In			
	English (United States)			
	English (United States)	*		
Oracle BI Publisher 11.1.1.7.0 Copyright © 2003, 2013, Oracle and/or its a	Chatan All sinks and and			
Copyright © 2003, 2013, Oracle and/or its a	milates. All rights reserved.			

Figure 10–1 BIP Server Console Login

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

Oracle BI Publisher	+					2
10.180.33.39:9704/xmlpserver/ser	vlet/home	☆ ▼ C	🚷 🔻 Google	م		俞
Most Visited 🗌 Getting Started Ы Fr	om Google Chrome			8	Book	cmark
DRACLE' BI Publisher	r Enterprise Search All	~	ا 🚯	Administration	Help 🗸	Sig
Home	Нол	e Catalog 🦉 New	i 🗸 📋 🔚 Open 🗸	Signed In As	weblog	jic ~
Create Report Report Create Report Job Data Model More Browse/Manage Catalog Folders Catalog Folders Report Jobs Report Jobs Report Job History Get Started Help Contents Help Contents Crade Technology Network	Recent Reports Recent Reports Others BA024 Edit Favorites Mar	age				
).180.33.39:9704/xmlpserver/servlet/admir						

Figure 10–2 BIP Administration

4. Click JDBC Connection under Data Sources.

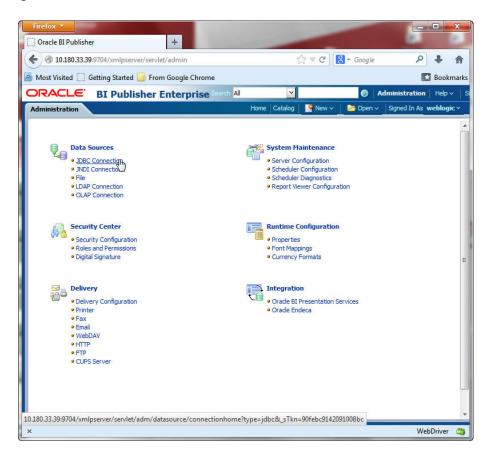


Figure 10–3 BIP JDBC Connection

5. Click the Add Data Source button.

	<u> </u>	Home Catalog 🗳 New 🗸	🔁 Open 🗸 Signed In As weblog
dministration > J(DBC		
ata Sources	File LDAP	OLAD	
1		UDAP	10
Add Data	6.7	Connection String	Delete
OBPIUT07	name	idbc:oracle:thin:@10.180.22.245:1521:OBPIUT	Î
OBPST01		idbc:oracle:thin:@10.180.22.245:1521:NGPST	1
Oracle BI EE		jdbc:oraclebi://ofss3121096:9703/	Î
T04		idbc:oracle:thin:@10.180.22.245:1521:OBPIUT	1
T06		jdbc:oracle:thin:@10.180.22.245:1521:OBPIUT	Î
<u>T07</u>		jdbc:oracle:thin:@10.180.22.245:1521:OBPIUT	Î
<u>T09</u>		jdbc:oracle:thin:@10.180.22.245:1521/OBPIUT	Û
<u>T10</u>		jdbc:oracle:thin:@10.180.22.245:1521:NGPST	Û
<u>T11</u>		jdbc:oracle:thin:@10.180.22.245:1521:NGPST	Û

Figure 10–4 BIP - Add Data Source

6. Fill up the following fields:

Table 10–1 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**.

Oracle BI Publisher	+	
10.180.33.39:9704/xmlpserv	r/servlet/adm/datasource/updateconnection?mod 🏠 🔻	r C 🚼 + Google 🔎 🐥
Most Visited 🗍 Getting Started	From Google Chrome	Bookm
	her Enterprise Search All 🛛 🔀	Administration Help ~
dministration	Home Catalog	New 🗸 📗 🗁 Open 🗸 🔤 Signed In As weblogic
dministration > JDBC > Add Data So	urce	3
Add Data Source		
		Apply Cancel
General		
	I the required JDBC driver classes,	
Server Database Connec	ware Security Model, select the Use System User check ion.	KDOX to use the BI system user for your BI
		NOX to use the bi system user for your bi
Server Database Connec	ion.	NUX to use the bi System user for your bi
Server Database Connec * Data Source Name		Nux to use the bi system user for your bi
Server Database Connect * Data Source Name * Driver Type * Database Driver Class	IOR.	Noux to use the bi system oser for your bi
Server Database Connec * Data Source Name * Driver Type	INGPPTONL Oracle 11g Oracle.jdbc.OracleDriver	Noux to use the bi system oser for your bi
Server Database Connect * Data Source Name * Driver Type * Database Driver Class	IOR.	
Server Database Connect * Data Source Name * Driver Type * Database Driver Class * Connection String	IOR.	Nook to use the bit system osen for your bit
Server Database Connect * Data Source Name * Driver Type * Database Driver Class * Connection String Use System User	INGPPTONL Oracle 11g Foracle 1	
Server Database Connect * Data Source Name * Driver Type * Database Driver Class * Connection String Use System User * Username	INGPPTONL Oracle 11g Gracle 11g Gracle Jdbc.OracleDriver (Cample: oracle.jdbc.OracleDriver) (dbc:oracle:thin:@10.180.4.47:1521:PRODUCT ngpptonl	
Server Database Connect * Data Source Name * Driver Type * Database Driver Class * Connection String Use System User * Username Password	INGPPTONL Oracle 11g Foracle 1	
Server Database Connect * Data Source Name * Driver Type * Database Driver Class * Connection String Use System User * Username Password Pre Process Function	INGPPTONL Oracle 11g Gracle 11g Gracle Jdbc.OracleDriver (Cample: oracle.jdbc.OracleDriver) (dbc:oracle:thin:@10.180.4.47:1521:PRODUCT ngpptonl	
Server Database Connect * Data Source Name * Driver Type * Database Driver Class * Connection String Use System User * Username Password	Ion. NGPPTONL Oracle 11g Gracle 11g Gracle jdbc.OracleDriver (Example oracle_dbc.OracleDriver) idbc:oracle:thin:@10.180.4.47:1521:PRODUCT ngpptonl	
Server Database Connect * Data Source Name * Driver Type * Database Driver Class * Connection String Use System User * Username Password Pre Process Function	Ion. NGPPTONL Oracle 11g Gracle 11g Gracle jdbc.OracleDriver (Example: oracle;dbc.OracleDriver) idbc;oracle:thin:@10.180.4.47:1521:PRODUCT Idbc;oracle:thin:@10.180.4.47:1521:PRODUCT Idbc;oracle:thin:@10.180.4.47:1521:PRODUCT Idbc;oracle:thin:@10.180.4.47:1521:PRODUCT Idbc;oracle:thin:@10.180.4.47:1521:PRODUCT Idbc;oracle:	
Server Database Connect * Data Source Name * Driver Type * Database Driver Class * Connection String Use System User * Username Password Pre Process Function	Ion. NGPPTONL Oracle 11g Gracle 11g Gracle jdbc.OracleDriver (Example oracle_dbc.OracleDriver) idbc:oracle:thin:@10.180.4.47:1521:PRODUCT ngpptonl	

Figure 10–5 BIP Data Source Created

<u>11</u>

Monitoring Servers Using Oracle Enterprise Manager

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

The OBP servers can be monitored using Oracle Enterprise Manager (EM). 'em_ monitor.zip' is available inside 'host.zip' for this purpose. The procedure is as follows:

- 1. Extract the 'host.zip' to get 'em_monitor.zip'.
- 2. Extract 'em_monitor.zip'.

It contains 'obp_em_view_script' folder and 'EM_VIEW_READ_ME.doc'.

3. Follow the procedures given in this chapter for monitoring the OBP Servers.

11.1 Add EM Agents

Following are the steps involved to add EM agents, middleware, and database instances on the EM:

- 1. Add the EM agents to the HOST, UI, SOA, OID, and HOST Database servers of the environment.
- 2. After adding the agents, create the middlewares for the servers.

Following are the steps to create middlewares for the servers.

- **a.** Log on to the EM UI.
- **b.** Add a middleware from the **Target** tab.

Figure 11–1 Add Middlewares

CLE Enterprise Manager Clou	d Control 12c									Setup + Help + 👥 SYSMAN +
rise + 👩 Targets - 🐈 Eavorites + 🥝 H										Search Target Name 👻
HOS All Targets Ctrl+Shift-										
lew - Groups										Page Refreshed Jul 9, 2014 6:13:09
Systems Services										
linete		ing OBP Host OBP LE								
Databases	Batch Monitor									
tus Middleware	CutOff	M								
nt St. Business Applications Up S. Composite Applications		shelName	duration	noOfAborts	throughput	totaRecords	processed	startTime	endTime	
Up S Composite Applications Idoliti GoldenGate										
Exedeta										
	shelNarse	streamNumber	streamFirstRow	streamCurrent	streamLastRov	durati	on proce	sedCount	serverName	
	🛛 DB CPU U	tilization(%)								
	100									
	80									
	60									

c. Add a new Oracle Fusion Middleware or WebLogic Domain.

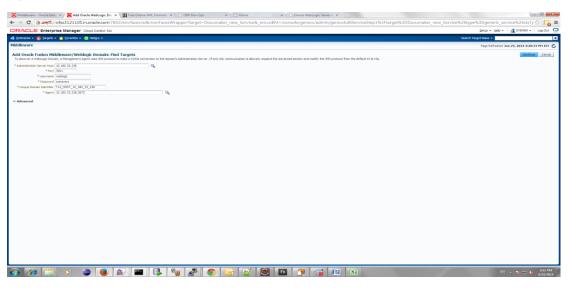
Figure 11–2 Add Oracle Fusion Middleware or WebLogic Domain

yde Status		freshed Jun 25, 2014 4:20:17 PH IS
vide Status	Sanà Ulegol falsa	freshed Jun 25, 2014 4:20:17 PH IS
of Business	Ufecycle Status	
of Business	Ufecycle Status	
of Business		
	Line of Burlease	
Location		
	leatin	
Status Al		
jet version	Target Version	
Member Status	L In the second s	
	Type Statu Statu	Complete Conce (NO) Target
4 🚯 🕲		
n n/s 0 3 0 0	Oracle Fusion Middleware Farm n/a 0 3 0	0 n/s 10.3.6
m m i j j i j i j i j	Open Advances Holmson Filters Phil Phil	0 n/a 0 n/a 0 n/a 0 n/a 0 n/a

d. Enter the details of the server for which the middleware is to be created. For example, for T12 HOST:
Administration Server Host : 10.180.33.236
Port: Automatically detected
Username: weblogic
Password: welcome1 **Unique Domain Identifier**: T12_HOST_10_180_33_336 (exactly the same format has to be entered; so for T12 UI middleware creation Unique Domain Identifier should be: T12_UI_10_180_33_241)

Agent: It is automatically detected after you enter the Administration Server Host name.

Figure 11–3 Enter Server Details



e. Click Continue.

The targets for the server are identified.

Figure 11–4 Identify Targets

Finding Targets - Completed Successfully					
ick Close to assign the agents.					
7 Hide					
Targets found: 21 Click Close to assign the agents.					
	Close				

f. Click Close.

g. Click Add Targets.

The targets are added after the search.

h. Click **Finish** to complete the middleware creation for that server.

Similarly, you can create middlewares for UI, SOA, and OID servers.

- **3.** Create the **DB** instance for the Host DB, where the EM agent had been added.
- **4.** Create Monitoring Templates for Host and UI servers of an environment by following the steps mentioned below.
 - **a.** Navigate to Enterprise -> Monitoring -> Monitoring Templates.

Figure 11–5 Monitoring Templates

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ORACLE Enterprise Manager Cloud Control 12c

b. Select Import.

Figure 11–6 Select Import

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			templates con	iain the s	ubset of mon	itoring settings p	er taining to	a specific func	ional area for the t	arget type.		
Relate Default							Pa	st Apply Opera	tions			

The **Monitoring Templates** page appears.

c. Select the zip file and click **Import**, to import the template.

Location:

Host template: PATH/obp_em_view_script/template_files/host/

UI template: PATH/obp_em_view_script/template_files/ui

Figure 11–7 Import Template

ORACLE Enterprise Manager Cloud Control 12c	Setup 🔻 Help 🗶 SYSMAN 🔻 L	.og Out 🧲
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Monitoring Templates		
Import Template Use this page to import a template using already exported template XML/ZIP file. The template will be imported into the repository along with any Metric Extensions if ZIP file is specified. * Import Template Browse weblogic_j2eeserver_MT_host_server.zip	Cancel	Import Import

Note: Create Monitoring Templates for Host and UI servers of an environment needs to be done only once for an EM machine.

11.2 Deploy OBP EM Plugin

Following are the steps to deploy OBP EM plugin in an environment:

Step 1 Set the Environment Variables

- **1.** Log on to the EM console.
- 2. Export the PATH to include OMS bin folder:

export PATH=\$PATH: <Path to OEM12c>/Oms12C/oms/bin

For example:

export PATH=\$PATH:/scratch/app/Oem12C/Oms12C/oms/bin

3. Export the EMCLI command path:

export EMCLI= \$EMCLI: <Path to OEM12c>/Oms12C/oms/bin/emcli

For example:

export PATH=\$PATH:/scratch/app/Oem12C/Oms12C/oms/bin/emcli

4. Export the HS_HOME:

export HS_HOME= \$HS_HOME: <Path to Enterprise Development Kit Directory>/12.1.0.3.0_edk_partner/samples/plugins/HostSample/demo_ hostsystem/demo_hostsystem

For example:

```
export HS_HOME= $HS_HOME:/scratch/app/product/plugin_
dev/EnterpriseDevelopmentKit/12.1.0.3.0_edk_
partner/samples/plugins/HostSample/demo_hostsystem/demo_hostsystem
```

Step 2 Deploy the Plugin in the EM

(scripts assume standard ports for the following: EM_PORT=7802 AGENT_PORT=3872)

1. Navigate to the plugin script folder.

For example:

```
/scratch/app/product/plugin_dev/EnterpriseDevelopmentKit/12.1.0.3.0_
edk_partner/samples/plugins/HostSample/demo_hostsystem/demo_
hostsystem/scripts
```

2. If the plugin is already deployed in the EM, undeploy them from the agents and the EM.

Note: This step can be performed only if the plugin is already deployed and a new or modified plugin needs to be deployed in the environment.

To undeploy the plugin from the agents, run the undeploy_agent.sh

./undeploy_agent.sh plugin_version host_name user_name(EM) password(EM) env_name em_repos_sys_password

For example:

./undeploy_agent.sh 12.1.0.4.0 10.180.6.36 sysman welcome12c T04
welcome1

If the undeployment is unsuccessful, you can undeploy it manually as follows:

a. Navigate to Setup -> Extensibility -> Plug-ins.

Figure 11–8 Undeploy Plugin

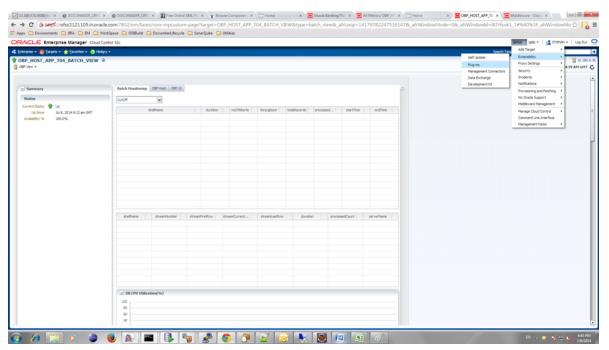


Figure 11–9 Undeploy Plugin - Select Management Agents

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Oracle Beacon Oracle Consolidation Planning	12.1.0.3.0 and (12.1.0.4.0	12.1.0.3.0	12.1.0.3.0	1	 Oracle Bascon plugin is required on the Managed Hosts to support beacon test nonitoring capability Enterprise Manager for Oracle Consolidation Planning and Chargeback provides metering, chargeback and consolidation planning for various Enterprise Manager targets. 		
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b. Select the agents and finish the undeployment.

Figure 11–11 Undeploy Plugin - Select Agent

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c. Run the undeploy_oms.sh script to undeploy the plugin from the EM.

./undeploy_oms.sh plugin_version user_name(EM) password(EM) em_ repos_sys_password For example:

./undeploy_oms.sh 12.1.0.4.0 sysman welcome12c welcome1]

- **3.** To deploy the plugin to the EM and agents, follow the below steps:
 - 1. Run the deploy_oms.sh script.

./deploy_oms.sh plugin_version username(EM) password(EM) em_repos_ sys_password

For example:

./deploy_oms.sh 12.1.0.4.0 sysman welcome12 welcome1]

2. Run the deploy_agent.sh script.

./deploy_agent.sh plugin_version agent_host_name username(EM)
password(EM) CPU_NUMBER(host) host_db_machine_name host_db_port
host_db_sid host_db_username host_db_password env_name em_repos_
sys_password UI_IP SOA_IP OID_IP ext3

For example:

./deploy_agent.sh 12.1.0.4.0 10.180.6.36 sysman welcome12c 10.180.6.36 10.180.84.34 1521 OBPTEST obpiut04rd obpiut04rd T04 welcome1 10.180.33.49 10.180.84.92 10.180.6.100 ext3

11.3 Create Services and Aggregate Service

The script is for creation of monitoring view in Enterprise Manager.

Monitoring services of all the servers of an environment (Host, Presentation, SOA, OID, and so on) are created, after the successful execution of the script.

The monitoring services show the performance metric for the respective servers. For example, CPU Utilization, JVM Memory-Heap Memory Usage, and so on.

Host and Presentation services contain OBP specific metric, which gives the Average Processing Time of various OBP services.

List of these OBP services are present in/obp_em_view_script/metric_ extensions/metric_extensions_list_host.txt for Host server and /obp_em_view_ script/metric_extensions/metric_extensions_list_ui.txt for Presentation server.

If any service from the list is not to be monitored, it can be ignored by placing '#' in the beginning.

Logs are generated in obp_em_view_script/logs/em_view_log.txt.

Using Script

The folder obp_em_view_script has to be copied to the OMS (EM Server).

11.3.1 Verify SOA keys for Service Creation of SOA Process

Check the SOA composites for inclusion as keys. Following are the steps to be performed:

- **1.** Navigate to the Middleware screen in EM.
- 2. Select the SOA middleware added.

Figure 11–12 Select the SOA Middleware

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3. Navigate to the composites for the SOA middleware.

Figure 11–13 Composites for the SOA Middleware

ORACLE Enterprise Manager	Cloud Control 12c											Setup +	Help + 🛛 👔	SYSMAN +	Log Out 🤤
🔹 Enterprise 👻 👩 Targets 👻 🚖 Eavorites 👻	History +										Search	Target Name			
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	et com.ofss.fc.workflow.process.CreateDepositAccount [1.0] 30 Show All								÷	0.00	0.00	0.00	0 0	0	0
	≥ Enterprise Manager System														

- 4. Navigate to the wlsoutput_soa.properties file in the keys folder -> obp_em_ view_script/temp_files/.
- 5. Add the composite names from the screen to wlsoutput_soa.properties file.
- **6.** Check whether the entries in the file are present in the composite list of the middleware in the EM screen. If the entries are not present, remove them.

Note: You can add a few composites. After the service is created by the script, the rest of the composites can be added to the service by just selecting them from the screen.

7. Open the obp_em_view_script/scripts/generate_key_components_soa.sh file and go to line 63.

"key_comp="/\$domain_name/base_domain/\${server_category}_
server1/default/com.ofss.fc.workflow.process.CreateDepositAccount
[1.0]:oracle_soa_composite""

8. Check the entry of the composite key namely, com.ofss.fc.workflow.process.CreateDepositAccount[1.0] in the composite list screen of EM. If the entry is not present, replace the entry in the file with any one which is present in the list on the EM screen.

Note: The above entry should not be present in the obp_em_view_ script/temp_files/wlsoutput_soa.properties file.

Figure 11–14 Add Composite Names

Edit	Search View Encoding Language Settings Macro Run Plugins Window ?
	Description of the second
	echo "INFO: Built domain ip: " \$domain ip >>/logs/em view log.txt
	fi
	#building domain name
	domain_name=\$1_\$(server_category_upper)_ <mark>\$(domain_ip)</mark> _base_domain
	eoho \$donain_name
	<pre>if [[Slog_level == debug]]; then then</pre>
	echo "INFO: Built domain name: " Sdomain name >>/logs/em view log.txt
	1
	#differentiating cluster name
	cluster_name="cluster1"
	\$/IUT02_80A_10_180_4_64_base_domain/base_domain/soa_server1/default/
Ľ	New components file name different for each server
	<pre>key_components_file_name/cemp_files/wistoutput_files.vsis.properties</pre>
	Ary_components_inter_inter_inter/teroutput_interinter_interprint_properties Key_component/domain_name/tase_domain/(server_category)_server/idefult/com.offss.fc.workflow.process.CreateDepositAccount [1.0]:creacle_soa_composits"
	Ary Court / Foundation of the read LINE
	do
	key_comp=%ley_comp=%j/\$domain_name/base_domain/\$[server_category]_server1/default/\$LINE:oracle_soa_composite"
	echo Skoy comp >/temp files/kaya Biserver category.txt
	done
	\$key_components_file_name=/temp_files/wlstoutput_\$(server_category).properties
	fecho \$key_components_file_name
	Hay_comp ^{ars} /śdmain_nams/base_domain/ś(server_category)_serveri/default/com.ofss.fo.approval.instructionsetupspi_setupinstructions [1.0]:oracle_soa_composite* fecho Skay_comp
	atomo skry_comp Cast Skry_components_file_name while read LINE
	to very composition i waite that with the second seco
	fecho \$LINE
	fecho "ITS WORKING"
	<pre>\$key_comp=\$key_comp*;/\$domain_name/base_domain/\${server_category}_server1/default/\$LINE:oracle_soa_composite*</pre>
	<pre>#echo \$key_comp >/temp_files/keys_\$(server_category).txt</pre>
	∮dose
	<pre>if [[Slog_level = debug]]; then</pre>
	then echo "SCRIPT INFO: End of generate_key_components_sos.sh">>/logs/em_view_log.txt
	echo utari anto a gunzate er composito d'article complete nel 1 200 (agrien tier logitat
	n a la l

11.3.2 Execute Scripts

Following is the procedure to execute scripts:

- **1.** Log in to the EM console.
- 2. Export the PATH to include OMS bin folder.

export PATH=\$PATH:"Path to OEM12c"/Oms12C/oms/bin

For example:

export PATH=\$PATH:/scratch/app/Oem12C/Oms12C/oms/bin

3. Export the EMCLI command path.

export EMCLI= \$EMCLI:"Path to OEM12c"/Oms12C/oms/bin/emcli

For example:

export PATH=\$PATH:/scratch/app/Oem12C/Oms12C/oms/bin/emcli

4. Run the em_view.sh script with the parameters as follows:

Location of the script(s) obp_em_view_script/scripts/

Execute the following:

./em_view.sh -opt <env_name> <host_ip> <ui_ip> <soa_ip> <oid_ address> <em_ui_username> <em_ui_password> <BIP_server_ip> <ATM_port> <documaker_server_name> <IPM_server_ip>

Since, BIP, ATM, Documaker, and IPM servers need not be present for all the environments, mention 'no' for the servers not present in that environment.

./em_view.sh -v "T04" "10.180.6.36" "10.180.33.49" "10.180.84.92"
"10.180.6.100" "sysman" "welcome12c" "10.180.33.39" "9998"
"slc01osa.us.oracle.com" "ofss3131443.in.oracle.com"

If Documaker and IPM server do not exist for an environment named T04:

./em_view.sh -v "T04" "10.180.6.36" "10.180.33.49" "10.180.84.92" "10.180.6.100" "sysman" "welcome12c" "10.180.33.39" "9998" "no" "no"

The services after creation looks as shown in Figure 11–15.

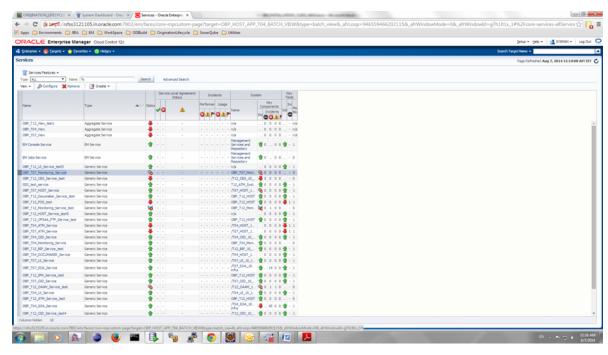


Figure 11–15 Created Services

11.3.3 Configure Systems Manually

You can manually configure the systems to include or exclude in a particular service.

Example for a service:

OBP_T07_HOST_Service

To configure the systems manually, perform the following steps:

1. Select the service to configure.

Figure 11–16 Manual Configuration - Select Service

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RACLE Enterprise Man	-							Şetup • Help • 🔢 SYSMAN • 🛛 Log Out
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vices								Page Refreshed Aug 7, 2014 11:17:39 AM IST
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ype ALL • Name	%	Search	Advanced Search					
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OBP_T04_View	Aggregate Service			• • • • • • n/a		- m/a		
C6P_T07_Wew	Aggregate Service			n/a		- n/a		
EM Console Service	EH Service			Servi Repo		r - 1		
EM Jobs Service	EH Service			Servi Repo		- 0		
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DBP T07 HOST Service	Generic Service	÷ -		//107	HOST_1. 00000	- 1		
08P_T12_Documaker_Service_test	Generic Service	· · ·		· · · · · · 089	712,HOST 🔮 0 0 0 0 •	- 1		
OBP_T12_POS_test	Generic Service	- -		· · · · · · · 089	T12_HOST 🔮 0 0 0 0	11		
08P_T12_Monitoring_Service_test	Generic Service	lið -		· · · · · · · 089	T12_Moni 📷 0 1 0 0 .	- 0		
08P_T12_HOST_Service_test5	Generic Service			n/a		- 1 ·		
08P_T12_0PSAA_FTP_Service_test	Generic Service	* ·		· · · · · · 00P,	T12,HOST 🔮 0 0 0 0 4	1 1		
OBP_T04_ATM_Service	Generic Service	🐥 -			HOST_1	1 1		
OBP_T07_ATM_Service	Generic Service			/707		11		
08P_T04_08D_Service	Generic Service				000_10 🔮 0 0 0 0 1			
OBP_T04_Monitoring_Service	Generic Service				T04_Moni 🔮 0 0 0 0 .	- 0		
08P_T12_80P_Service_test	Generic Service				50P_10 🔮 0 0 0 0 4			
08P_T04_DOCUMAKER_Service	Generic Service				HOST_1 0 0 0 0 4			
OBP_T07_UE_Service	Generic Service				UL_10_1 🔮 0 0 0 0 4			
08P_T07_SOA_Service	Generic Service	· · ·		· · · · · /107	50A_10. 14 0 0 4	1 1		
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08P_T12_OID_Service_test4	Generic Service				000_10 0 0 0 0 0			
Aurons Hidden 10	Vendor Dervice			/12				

2. Navigate to Monitoring Configuration -> System Configuration.

Figure 11–17 Manual Configuration - Navigate to System Configuration

System Dashboard - Oraci ×	8P_T07_HOST_Service (×				
← → C 🕼 bmp5://ofss3121105.in.oracle.com:7802/em/f	faces/core-mpcustom-page?target=OBP_HOS1	_APP_T04_BATCH_VIEW&type=batch_vi	ew&_afrLoop=946559466202115&_afrWi	ndowMode=0&_afrWindowId=g7h1lt1x_1#%2F	sdk%2FnonFacesWrapj 😭 📙 🔳
🗄 Apps 🧰 Environments 🚞 JIRA 🧰 EM 🧰 WorkSpace 🧰 ODIBuil	d 🗀 OriginationLifecycle 🗀 SonarQube 🚞 Utilities				
ORACLE Enterprise Manager Cloud Control 12c				Setup	ə 🕂 Helə + 🛛 🏦 Si'SMAN + 🔋 Log Out 🔤
🤹 Enterprise + 🔞 Iargets + 🌟 Eavorites + 📀 History +				Search Target Nan	e - 🛛 🔁
OBP_T07_HOST_Service Generic Service					
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3. Check or uncheck the systems for inclusion or exclusion in the service.

Figure 11–18 Manual Configuration - Inclusion or Exclusion

RACLE Enterprise Manager Cloud Control 12c			Setup + Help + 🔢 SYSMAN + Log Out
Enterprise + 👩 Targets + 🌟 Eavarites + 🥝 History +			Search Target Name +
OBP_T07_HOST_Service @ Generic Service *			
nesic Service: 069_107.14061_Service > System Configuration (stem Configuration			
lect the Enterprise Manager system that will host this service, then identify the targets critical for running this service.			Tip
System (707_HOST_J0_180_33_122_host_domain_host_domain Time Zone (UTC+60:00)	Remove System		A "system" is the infrastructure used to host one or more services. A system consists of components such as hosts, databases and other targets.
		Previous 10 11-18 of 18 • Next	The system components that you mark as 'Key Components' may be used to determine service availability or, in case of service failure, to perform root cause
omponent	Туре	Key Component 🐨	analysis.
F07_HOST_10_180_33_122_host_domain/host_domain/lobphost_cluster 1/lobp reports(2.2.0.0.0)	Clustered Application Deployment	2	Click Help for details.
F07_HOST_10_180_33_122_host_domain/host_domain/bbphost_duster1	Oracle WebLogic Cluster	2	
T07_HOST_10_180_33_122_host_domain/host_domain/AdminServer	Oracle WebLogic Server	8	
T07_HOST_10_180_33_122_host_domain_host_domain_lobphost_server1/obphost(2.2.0.0.0)	Application Deployment		
F07_HOST_10_180_33_122_host_domain/host_domain/obphost_server1/obpconnector(2.2.0.0.0)	Application Deployment	Key Component	
F07_HOST_10_180_33_122_host_domain/nost_domain/obphost_duster1/obphost(2.2.0.0.0)			
	Clustered Application Deployment		
707.JOST_10_180_33_122_bost_doman/host_doman/kidphost_douter_l/kidpoornector (2.2.0.0.0) 707.JOST_10_180_33_122_bost_doman/host_doman/kidentGerver/MMW Welcome Page Application(11.1.0.0.0)	Clustered Application Deployment Clustered Application Deployment Application Deployment	0 0	Cancel
7_HOST_10_180_33_122_host_domain/host_domain/obphost_duster1/obpconnector(2.2.0.0.0)	Clustered Application Deployment		Gener
7_HOST_10_180_33_122_host_domain/host_domain/obphost_duster1/obpconnector(2.2.0.0.0)	Clustered Application Deployment		Cana

4. Click OK.

_

5. Click Yes on confirmation.

Note: You can perform similar steps to configure the systems for SOA, UI, and OID servers.

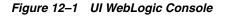
Post Installation Verification

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*.
 - obp.ui.domain
 - obp.host.domain
 - obp.thirdparty.domain
 - obp.fusion.internal
 - com.ofss.ui.view
 - obpuiconnector
 - obpuidms



lick the Lock & Edit button to modify, add or lelete items in this domain.	-	syments >obp.ui.domain(11.1.1.5.0,11.1.1.5.0) >Summary of Deployments ary of Deployments				
Lock & Edit	Cont	rol Monitoring				
Release Configuration						
omain Structure	This (rec	page displays a list of Java EE applications and stand-alone application is eployed), or deleted from the domain by first selecting the application is	modules that have been installed to this ame and using the controls on this page	domain. Insta	illed applications and modules c	an be started, stopped, updated
puldomain 'Environment 'Deployments Services Security Realms 'Interoperability 'Diagnostics	₽ Cus	nstall a new application or module for deployment to targets in this doma atomize this table loyments	in, dick the Install button.			
	Ins	tall Update Delete Start v Stop v	1	F	Sho	wing 1 to 25 of 30 Previous Next
		Name 🗇	State	Health	Туре	Deployment Order
		adf.oracle.businesseditor(1.0, 11.1.1.2.0)	Active		Library	100
		Cadf.oracle.domain(1.0, 11. 1. 1. 2.0)	Active		Library	100
w do I 🗉	m	adf.oracle.domain.webapp(1.0, 11.1.1.2.0)	Active		Library	100
Install an Enterprise application		E com.ofss.fc.ui.view	Active	🖉 ок	Enterprise Application	501
Configure an Enterprise application Update (redeploy) an Enterprise application	1	E ODMS Application (11.1.1.1.0)	Active	✓ OK	Web Application	5
Start and stop a deployed Enterprise application		E _FMW Welcome Page Application (11.1.0.0.0)	Active	🖋 ок	Enterprise Application	5
Monitor the modules of an Enterprise		➡jsf(1.2, 1.2.9.0)	Active		Library	100
application Deploy EJB modules	e	mistl(1.2,1.2.0.1)	Active		Library	100
Install a Web application		bp.host.domain(11.1.1.5.0, 11.1.1.5.0)	Active		Library	500
/stem Status		bop.thirdparty.domain(11.1.1.5.0, 11.1.1.5.0)	Active		Library	500
ealth of Running Servers		obp.ui.domain(11.1.1.5.0, 11.1.1.5.0)	Active		Library	500
Failed (0)		ohw-rcf(5,5.0)	Active		Library	100
Critical (0)		60hw-uix(5,5.0)	Active		Library	100
Overloaded (0) Warning (0)		Coracle.adf.dconfigbeans(1.0,11.1.1.2.0)	Active		Library	100
OK (2)		Foracle.adf.desktopintegration(1.0, 11. 1. 1. 2.0)	Active		Library	100
		oracle.adf.desktopintegration.model(1.0,11.1.1.2.0)	Active		Library	100
	1	Goracle.adf.management(1.0,11.1.1.2.0)	Active		Library	100
	m	Coracle.bi.adf.model.slib(1.0, 11.1.1.2.0)	Active		Library	100
		oracle.bi.adf.view.slb(1.0,11.1.1.2.0)	Active		Library	100
		forade.bi.adf.webcenter.slb(1.0, 11.1.1.2.0)	Active		Library	100
	Ø	racle.bi.composer(11.1.1,0.1)	Active		Library	100

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

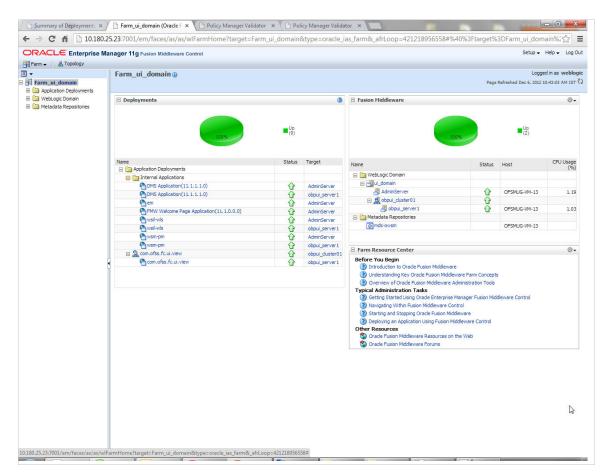


Figure 12–2 UI EM Console Status Check

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

► → C 🕯 🗋 10.180.25.23:7001/wsm-pm/validator		2
Policy Manager Status: Operational		
Policies (88)		
Name	Latest Version	Description
oracle/binding_authorization_denyall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy denies 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/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/binding_permission_authorization_policy	1	This policy is a special case of simple Permission based authorization policy based upon the authenticated Subject. This policy checks if the subject has permission to invoke any operation on a webservice. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SOAP-based endpoint.
oracle/component_authorization_denyall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy denies all users with any roles. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SCA component.
oracle/component_authorization_permitall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy checks if the subject has permission to invoke a given action on a resource. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SCA component.
oracle/component_permission_authorization_policy	1	This policy is a special case of simple permission based authorization policy based upon the authenticated Subject. This policy checks if the subject has permission to invoke operation on a webservice. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SCA component.
oracle/log_policy	1	This policy causes the request, response, and fault messages to be sent to a message log.
pracle/no_addressing_policy	1	This policy facilitates the disabling of a globally attached WS Addressing policy.
oracle/no_authentication_client_policy	1	This policy facilitates the disabiling of a globally attached authentication policy. This will include disabiling that whole global policy containing any other assertions in addition to the authentication assertion.
oracle/no_authentication_service_policy	1	This policy facilitates the disabling of a globally attached authentication policy. This will include disabling that whole global policy containing any other assertions in addition to the authentication assertion.
oracle/no_authorization_component_policy	1	This policy facilitates the disabling of a globally attached authorization policy. This will include disabling that whole global policy containing any other assertions in addition to the authorization assertion.
oracle/no_authorization_service_policy	1	This policy facilitates the disabling of a globally attached authorization policy. This will include disabling that whole global policy containing any other assertions in addition to the authorization assertion.
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.

Figure 12–3 UI Admin wsm-pm Validator

← → C 前 10.180.25.23:8001/wsm-pm/validator		\$
Policy Manager Status: Operational		
Policies (88)		
Name	Latest Version	
oracle/binding_authorization_denyall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy denies 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/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/binding_permission_authorization_policy	1	This policy is a special case of simple Permission based authorization policy based upon the authenticated Subject. This policy checks if the subject has permission to invoke any operation on a webservice. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SOAP-based endpoint.
oracle/component_authorization_denyall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy denies all users with any roles. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SCA component.
oracle/component_authorization_permitall_policy	1	This policy is a special case of simple role based authorization policy based upon the authenticated Subject. This policy checks if the subject has permission to invoke a given action on a resource. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SCA component.
oracle/component_permission_authorization_policy	1	This policy is a special case of simple permission based authorization policy based upon the authenticated Subject. This policy checks if the subject has permission to invoke operation on a webservice. This policy should follow an authentication policy where the Subject is established. This policy can be attached to any SCA component.
pracle/log_policy	1	This policy causes the request, response, and fault messages to be sent to a message log.
racle/no_addressing_policy	1	This policy facilitates the disabling of a globally attached WS Addressing policy.
racle/no_authentication_client_policy	1	This policy facilitates the disabling of a globally attached authentication policy. This will include disabling that whole global policy containing any other assertions in addition to the authentication assertion.
oracle/no_authentication_service_policy	1	This policy facilitates the disabling of a globally attached authentication policy. This will include disabling that whole global policy containing any other assertions in addition to the authentication assertion.
pracle/no_authorization_component_policy	1	This policy facilitates the disabling of a globally attached authorization policy. This will include disabling that whole global policy containing any other assertions in addition to the authorization assertion.
pracle/no_authorization_service_policy	1	This policy facilitates the disabling of a globally attached authorization policy. This will include disabling that whole global policy containing any other assertions in addition to the authorization assertion.
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.

Figure 12–4 UI Managed wsm-pm Validator

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*.
 - obp.host.app.domain
 - obp.thirdparty.app.domain
 - obp-reports
 - obp-webservices
 - obpchannels
 - obphost
 - obphostconnector
 - obphostdms
 - obpmessaging

Figure 12–5 Host WebLogic Console

	Admin	istration Console		-		
Change Center	٦	Home Log Out Preferences 🔤 Record Help	Q		Welcome, web	logic Connected to: obphostdo
View changes and restarts	Ho	me >obp-reports(11.1.1.5.0) >Summary of Deployments >obp-webservices(1 ployments >obp.thirdparty.app.domain(11.1.1.5.0.11.1.1.5.0) >Summary of De	1.1.1.5.0) >Summary of Deployments >ob	o.host.app.dom	ain(11.1.1.5.0,11.1.1.5.0) >Summary loyments	of
Click the Lock & Edit button to modify, add or delete items in this domain.	1	imary of Deployments				
Lock & Edit	Co	ntrol Monitoring				
Release Configuration						
Domain Structure		his page displays a list of Java EE applications and stand-alone application edeployed), or deleted from the domain by first selecting the application			alled applications and modules car	n be started, stopped, updated
bphostdomain D Environment Deployments D Services - Security Realms D Interoperability D Interoperability	₽ C	o instal a new application or module for deployment to targets in this dom ustomize this table eployments	ain, dick the Install button.			
3-Diagnostics		Install Update Delete Start v Stop v			Shov	ving 1 to 25 of 32 Previous Nex
	[🖺 Name 🔿	State	Health	Туре	Deployment Order
	1	adf.orade.businesseditor(1.0,11.1.1.2.0)	Active		Library	100
	E	adf.oracle.domain(1.0, 11. 1. 1.2.0)	Active		Library	100
low do I 🖂	1	df.oracle.domain.webapp(1.0,11.1.1.2.0)	Active		Library	100
Install an Enterprise application	-	B DMS Application (11.1.1.1.0)	Active	🖋 ОК	Web Application	5
Configure an Enterprise application Update (redeploy) an Enterprise application	1	E FMW Welcome Page Application (11.1.0.0.0)	Active	✓ ОК	Enterprise Application	5
Start and stop a deployed Enterprise	1	☐ m isf(1.2, 1.2.9.0)	Active		Library	100
application Monitor the modules of an Enterprise	[jst(1.2, 1.2.0.1)	Active		Library	100
application Deploy EJB modules	E	E	Active	🖋 ОК	Enterprise Application	501
Install a Web application	1	Empoperation (11.1.1.5.0)	Active	≪ок	Enterprise Application	501
ystem Status	1	obp.host.app.domain(11.1.1.5.0,11.1.1.5.0)	Active		Library	500
lealth of Running Servers		obp.thirdparty.app.domain(11.1.1.5.0, 11.1.1.5.0)	Active		Library	500
Failed (0)	E	B pobpchannels (11.1.1.5.0)	Active	🖋 ок	Enterprise Application	501
Critical (0) Overloaded (0)	0	B bobphost (11.1.1.5.0)	Active	≪ок	Enterprise Application	501
Warning (0) OK (2)	1		Active		Library	100
UN (2)			Active		Library	100
	1	oracle.adf.dconfigbeans(1.0, 11. 1. 1. 2.0)	Active		Library	100
	1	oracle.adf.desktopintegration(1.0, 11. 1. 1. 2.0)	Active		Library	100

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_TARGET}/PolicyStoreSetup/logs to ensure policy seeding was complete.

• EM and OWSM should also be verified in host as in UI.

12.3 SOA Domain Verification

To verify the SOA domain installation:

- 1. Start the SOA domain Admin and Managed servers (SOA and human task).
- 2. Navigate to the **Summary of Deployments** page.

- **3.** Verify that the **Status** of the following Oracle Banking Platform libraries and human task files with .ear extension is *Active*.
 - obp.ui.domain
 - obp.host.domain
 - obp.thirdparty.domain
- 4. Also verify that the standard SOA application soa-infra is in *Active* state.

Figure 12–6 SOA WebLogic Console

http://10.180.91.81:8270/console/	console.	portal?_nfpb=true&_pageLabel=AppDeploymentsControlPage			合 🕶 🕑 🚼 🕶 Google		<u> </u>
Most Visited 📋 Getting Started 算 Oracle Loa	d Testing	📙 Utility 🦉 Development Content {🕐 NGP@Grok 📋 Oracle Learning Libra	r 🖸 Jdeveloper	Extensions	Local Linux 📄 Grid 📄 E	xtensions SDK 🛛 🔹 💽	Bookn
-Security Realms		adf.oracle.domain.webapp(1.0,11.1.1.2.0)	Active		Library	100	
low do I 🗉		₩ AqAdapter	New		Resource Adapter	324	
Install an Enterprise application		🕀 📑 b2bui	New		Enterprise Application	313	
Configure an Enterprise application Update (redeploy) an Enterprise application		E BPMComposer	New		Enterprise Application	384	
Start and stop a deployed Enterprise application		Ecom.ofss.fc.workflow.ui.brop	Active	🖋 ок	Enterprise Application	100	
Monitor the modules of an Enterprise application		E com.ofss.fc.workflow.ui.common.approval	Active	🖋 ок	Enterprise Application	100	
Deploy EJB modules		E com.ofss.fc.workflow.ul.dda	Active	🖋 ОК	Enterprise Application	100	
Install a Web application		com.ofss.fc.workflow.ui.loans	Active	🖋 ок	Enterprise Application	100	
ystem Status 🖂		E	Active	√ ок	Enterprise Application	100	
ealth of Running Servers		E com.ofss.fc.workflow.ui.pmu	Active	⊘ ок	Enterprise Application	100	-
Faled (0) Critical (0)		E composer	New		Enterprise Application	315	-
Overloaded (0) Warning (0)		DbAdapter	New		Resource Adapter	322	-
OK (2)		PefaultToDoTaskFlow	New		Enterprise Application	314	
		ODMS Application (11.1.1.10)	Active	🖋 ок	Web Application	5	-
		E Rem	Active	🖋 ок	Enterprise Application	400	
		remai	Active		Library	100	
		remas and the second se	Active		Library	100	
		emcore	Active		Library	100	
		BieAdapter	New		Resource Adapter	321	
		E FMW Welcome Page Application (11.1.0.0.0)	Active	🖋 ок	Enterprise Application	5	
	and and		New		Resource Adapter	325	
		JmsAdapter	New		Resource Adapter	323	
		isf(1.2,1.2.9.0)	Active		Library	100	
		e jistl(1.2,1.2.0.1)	Active		Library	100	
		₩QSeriesAdapter	New		Resource Adapter	327	
		Cop.host.domain(11.1.1.5.0,11.1.1.5.0)	Active		Library	100	
		Cop.thirdparty.domain(11.1.1.5.0,11.1.1.5.0)	Active		Library	100	
		Cobp.ui.domain(11.1.1.5.0,11.1.1.5.0)	Active		Library	100	1
		Cohw-rcf(5,5.0)	Active		Library	100	

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/OracleBAM
- **3.** After logging in, on to the BAM Start Page, click the Architect option and check the Data Objects.



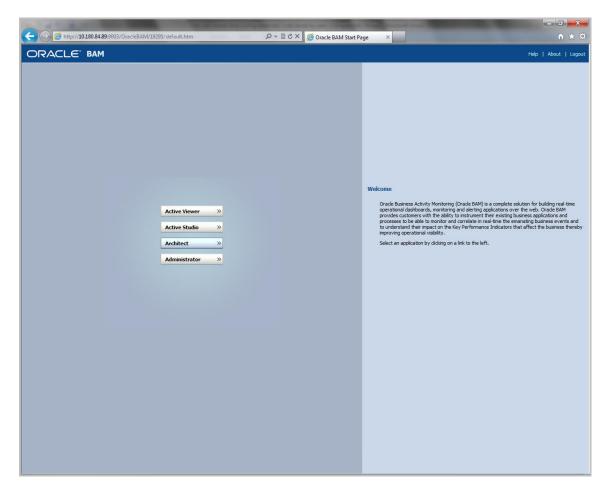


Figure 12–8 Check Data Objects

Oracle BAM Architect - Windows Internet Explorer	the second se	
	Pers	onalize Help About
Data Objects 🔹		
Folders	General Layout (Contents (Security Filters (Permissions (Dimensions) Rename/Move (Indexes) Delete (Dear (Create	
Refresh list	Data Object "ApplicationStateTransitionDO".	
Data Objects	Created: 9/3/2015 12:16:53 PM	
E banking	Last modified: 9/3/2015 12:37:56 PM	
E cm	Row count: 741	
origination	Location: /banking/origination	
Construction Const	Type: Internal	
Samples	Data Object ID: ApplicationStateTransitionDO	
E System		
Data Objects		
ApplicationMetricDO ApplicationStateTransitionDO		
ApplicationStateTransitionDO OriginationTaskMetricDO OrigTaskStateTransitionDO		
		🔍 100% 🔻

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 Oracle Banking Platform Domain Installation

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

13.2 Oracle Banking Platform Security Policy Seeding

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

13.3 Oracle Banking Platform Domain Post Installation

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

obp-* logs

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

WLST Logs

You can inspect WLST logs created in logs directory under middleware, such as the logs at the path '/oracle/app/product/fmw/logs', for errors, if any, in either domain creation or post installation.

WebLogic Admin Server Logs and stderr file

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

For instance, consider a scenario of Oracle Banking Platform Host installation in which once the post install script for Oracle Banking Platform host has secured itself against a LDAP (OID/OVD) it proceeds to restart the Oracle Banking Platform Host domain admin server to produce these changes. During this if due to a momentary network

failure the host machine is unable to make a connection to LDAP then the admin server would fail to start. This will result in the post install script to abruptly abort throwing a subsequent script error (again which might not conclusive enough to point out the root cause). The 'obp-*' logs created in the Oracle Banking Platform Host domain would indicate an incomplete attempt by post install script to start the admin server.

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

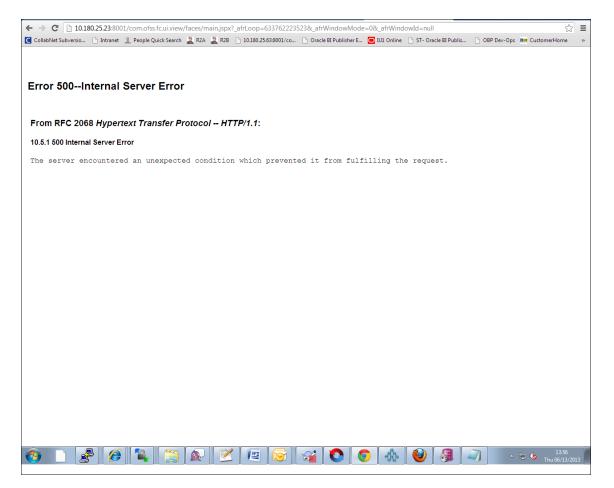
stderr log, WebLogic Domain Managed Server logs, OFSS logs

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

13.4 Error on First Log in

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

Figure 13–1 Error on First Log In



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

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 Report Data Model Linkage Problem after Host Post Installation Step

After editing a report, click the magnifying glass icon $\$ to select the data model associated with this report. (Here 0503.xdm in red indicates that the data model is not properly connected with the report or that the report is not able to find the model at the location that it is referring)

Figure 13–2 Selecting the Data model

Firefox Oracle BI Publisher	+				
10.180.9.73:9704/xmlpserver/servlet/editor/rep	nt?_xdo=/~weblogic/FLEXCUBE/ORIGINATION/OS03/OS03.xdo		☆ ▽ C 🚼 - m	icromax data card	۹ م
🖉 Most Visited 🌮 Getting Started <u></u> Latest Headlines	🗌 DEV TRACK 👻 JIRA 🥃 IUT01 🥃 Interest 🥃 IUT4 🗍 SOA 🦳 IU	IT4_SOA 🔁 ORIG1 🗍 ORIG_SO	A 🖸 Orig2 🗍 BIP-3		🔝 Bookmar
ORACLE BI Publisher Enterpris	se	Search Al	~		stration Help ∽ Sign Out 🧲
0503					en 🗸 🛛 Signed In As 🛛 weblogic 🗸
Data Model OS03.xdm 🔍 📑			Parameters	- Properties	View Report
					View Thumbnails View a lis
					- Add New Layou
OS03 Edit Properties Delete					
		~			18:08
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Note: The above step is to be carried out in case the data model of a report has not correctly linked with a report, after reports are deployed in BIP server in Host Post Installation step.

13.8 Oracle BAM Command Utility Issue

This is not an issue. This occurs if Oracle BAM is installed for the second time on the same machine.

The following message appears:

Oracle BAM Command Utility [Build 19427, BAM Repository Version 2025] Copyright © 2002, 2015.

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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>/Oracle_SOA1/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/OElh10ID+qjdw=</ICommand_Default_
Password>

Uninstalling the Application

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

14.1 Manual Uninstall

Currently an installed Oracle Banking Platform WebLogic domain can be uninstalled manually by removing following directories:

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