Oracle® Banking Platform Collections

Integration Guide Release 2.6.2.0.0 E95189-01

May 2018



Oracle Banking Platform Collections Integration Guide, Release 2.6.2.0.0

E95189-01

Copyright © 2011, 2018, Oracle and/or its affiliates. All rights reserved.

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

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

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

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

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

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

Preface	9
Audience	9
Documentation Accessibility	9
Organization of the Guide	9
Related Documents	10
Conventions	10
1 Introduction	12
2 Installing the Host Media Pack	14
2.1 Prerequisites	14
2.2 Installing the OBP Collections Host Media Pack	14
2.3 Configuring Weblogic Domain For Host	27
3 Installing the Presentation Media Pack	34
3.1 Prerequisites	34
3.2 Installing the Presentation Media Pack	34
3.3 Configuring Weblogic Domain for Presentation Server	40
3.4 Verifying the Presentation Server Deployment	44
4 External Interface Configuration	
4.1 Oracle Identity Manager (OIM)	46
5 Installing Third-Party Software	48
5.1 Installing Oracle Java Development Kit (JDK)	48
6 User Creation in Oracle Internet Directory	
6.1 User Creation in OID	50
7 Threadpool Configuration	62
7.1 Manage Requisite Files in lib	62

7.2 Recommendations for Threadpool Memory Configuration	63
7.3 Start Threadpoolworker	64
7.4 Verification	64
7.5 Submit the Batch	66
7.6 Stop Threadpoolworker	67
7.7 Command-Line Options	68
7.8 List of Batches to be Run on Standalone Threadpool or Weblogic	69

List of Tables

Table 2–1 OB Collection Installer: Initial Details	17
Table 2–2 OB Collection Installer: Host Configuration	19
Table 2–3 OB Collection Installer: Host DB Configuration	20
Table 2–4 OB Collection Installer: Batch Configuration	21
Table 2–5 OB Collection Installer: Threadpool Configuration	22
Table 2–6 Configuring Weblogic Domain for Host	30
Table 2–7 Changes to be made in splEnv.sh file if not present	33
Table 3–1 OB Collection Installer: Initial Details	36
Table 3–2 OB Collection Installer: UI Configuration	
Table 3–3 Configuring Weblogic Domain for Presentation	41
Table 3–4 Verifying the Presentation Server Deployment	44
Table 7–1 List of Batches to be Run on Standalone Threadpool	69
Table 7–2 List of Batches to be Run on Weblogic	70

List of Figures

Figure 2–1 Hibernate folder	15
Figure 2–2 Collection_V[Build_Number].zip uncompressed	16
Figure 2–3 OB Collection Installer: Initial Details	17
Figure 2–4 OB Collection Installer: Host Configuration	18
Figure 2–5 OB Collection Installer: Host DB Configuration	19
Figure 2–6 OB Collection Installer: Batch Configuration	20
Figure 2–7 OB Collection Installer: Threadpool Configuration	22
Figure 2–8 OB Collection Installer: Confirm Installations Details	23
Figure 2–9 OB Collection Installer: Confirm Installations Details	23
Figure 2–10 Data Source Connection Pool	24
Figure 2–11 Add XML Registry	24
Figure 2–12 Settings for XML Registry	25
Figure 2–13 Deploy XML Registry	26
Figure 2–14 Host Domain Security	26
Figure 2–15 Summary of servers	27
Figure 2–16 Force shutdown	27
Figure 2–17 Force Shutdown Confirmation Message	
Figure 2–18 Force Shutdown Acknowledgement Message	28
Figure 2–19 Verify Server State	
Figure 2–20 Weblogic Admin Console	29
Figure 2–21 Domain Configuration: Confirm	31
Figure 3–1 Collection_V[Build_Number].zip uncompressed	
Figure 3–2 OB Collection Installer: Initial Details	
Figure 3–3 OB Collection Installer: UI configuration	

Figure 3–4 OB Collection Installer: Confirm Installation Details	38
Figure 3–5 OB Collection Installer : Installing	39
Figure 3–6 XML Registry	40
Figure 3–7 Weblogic Admin Console	41
Figure 3–8 Domain Configuration: Confirm	42
Figure 3–9 Domain Configuration: Proceeding with the Process	43
Figure 6–1 Opening ODSM	50
Figure 6–2 Log in to OID	51
Figure 6–3 Navigating to Data Browser Tab	51
Figure 6–4 Creating New Entry	52
Figure 6–5 Adding Object Classes: Top	53
Figure 6–6 Adding Object Classes: Person	53
Figure 6–7 Adding Object Classes: Oracle User	54
Figure 6–8 Selecting Distinguished Name	54
Figure 6–9 Selecting Entry Properties	55
Figure 6–10 Selecting Mandatory Properties	55
Figure 6–11 Status Message	56
Figure 6–12 Selecting the User	56
Figure 6–13 Attributes Tab	57
Figure 6–14 Adding User Password	57
Figure 6–15 Setting User Password	58
Figure 6–16 Confirm Message	58
Figure 6–17 Adding to Administrator Group	59
Figure 6–18 Attributes Tab	59
Figure 6–19 Confirmation message	60
Figure 7–1 Command to Create wlfullclient.jar	62

Figure 7–2 Standalone lib	. 63
Figure 7–3 ThreadPool Worker Log	64
Figure 7–4 Executing OBP Initialisation Block	65
Figure 7–5 Verify Threadpool Worker: Check Connection	66
Figure 7–6 Submit the Batch	67

Preface

This document will help you to install the Oracle Banking Platform Collections as an integrated module of Oracle Banking Platform. This document assumes that Oracle Banking Platform Presentation and Host environment are pre-installed.

This preface contains the following topics:

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

Audience

This document is intended for the following audience:

- IT Deployment Team
- Consulting Staff
- Administrators

Documentation Accessibility

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

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/us/corporate/accessibility/support/index.html#info or visit http://www.oracle.com/us/corporate/accessibility/support/index.html#trs if you are hearing impaired.

Organization of the Guide

The information in this document is organized into the following chapters and appendices:

Chapter 1 Introduction

This chapter describes the Collections integration.

Chapter 2 Installing the Host Media Pack

This chapter describes the steps involved in installing the host media pack.

Chapter 3 Installing the Presentation Media Pack

This chapter describes the steps involved in installing the presentation media pack.

Chapter 4 External Interface Configuration

This chapter describes the steps involved in Oracle Identity Manager (OIM) Adapter configuration.

Chapter 5 Installing Third-Party Software

This chapter describes the required third-party software.

Chapter 6 User Creation in Oracle Internet Directory

This chapter describes the user creation in OID.

Chapter 7 Threadpool Configuration

This chapter provides information about threadpool configuration.

Related Documents

For more information, see the following documentation:

- For information on the configurations that are to be performed on day zero, see the Oracle Banking Platform Collections Day Zero Setup Guide.
- For a brief description about user provisioning in Collections, see the Oracle Banking Platform Collections User Provisioning Guide.

Conventions

The following text conventions are used in this document:

Convention	Meaning	
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.	
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.	

1 Introduction

This guide helps you to install Oracle Banking Platform Collections for a seamless integration with Oracle Banking Platform.

2 Installing the Host Media Pack

You must follow the steps mentioned below to install the Host Media Pack:

- 1. Install the Host Media Pack 2.6.2.0.0
- 2. Update the environment.
- 3. Configure the WebLogic domain.

2.1 Prerequisites

Before you install the OBP Collections 2.6.2.0.0 Host Media Pack, you must have the following installed on the machine:

- OBP 2.6.2.0.0 Host Media Pack.
- OBP 2.6.2.0.0 Presentation Media Pack.
- Windows Secure Copy (WINSCP) to copy deliverables from Windows to Linux machine.
- Oracle Java Development Kit (JDK) 1.8 Update 101 (For more information on how to install Oracle JDK, see Chapter 5 Installing Third-Party Software.)
- Manager, a PC X server that runs on the Windows platforms and helps launching X applications UI on a Windows desktop.
- OBP Collections database must be installed. For more information on installing or configuring OBP Collections database, see the Oracle Banking Platform Collections Database Administrator (DBA) Guide.
- Download the hibernate-release-4.1.0.Final.zip file from:

http://sourceforge.net/projects/hibernate/files/hibernate4/

It is very important that you download the exact version, as the product has only been certified with this exact release.

2.2 Installing the OBP Collections Host Media Pack

The OBP Collections 2.6.2.0.0 installation package is used for installing both the OBP Host and Presentation Media Packs. You can download the installation package from the following location:

https://edelivery.oracle.com/

To install the OBP Host Media Pack:

- 1. Log in to the Host Server.
- 2. Create a temporary directory (for example, TEMPDIR) on the Host Server using the following command:

mkdir TEMPDIR

- 3. Copy the OBP Collections 2.6.2.0.0 installation package, Collection_V[Build_Number].zip, which you have downloaded from the edelivery to Host Server by using WINSCP to created TEMPDIR folder.
- 4. Create a Hibernate_tmp directory and follow the below steps.
 - a. Extract downloaded hibernate-release-4.1.0.Final.zip package in temp directory.
 - b. Copy below jars from extracted hibernate-release-4.1.0/lib/required folder to created hibernate_ tmp path
 - hibernate-commons-annotations-4.0.1.Final.jar
 - hibernate-core-4.1.0.Final.jar
 - hibernate-jpa-2.0-api-1.0.1.Final.jar
 - jboss-logging-3.1.0.CR2.jar
 - jboss-transaction-api_1.1_spec-1.0.0.Final.jar
 - dom4j-1.6.1.jar
 - c. Copy below jar from extracted hibernate-release-4.1.0/ lib/optional/ehcache folder to created hibernate_tmp path

hibernate-ehcache-4.1.0.Final.jar

Figure 2–1 Hibernate folder

/scratch/ofssobp/coll/Hibernate		
Name		
👌 dom4j-1.6.1.jar		
hibernate-commons-annotations-4.0.1.Final.jar		
🖻 hibernate-core-4.1.0.Final.jar		
🖻 hibernate-ehcache-4.1.0.Final.jar		
🖻 hibernate-jpa-2.0-api-1.0.1.Final.jar		
🖻 jboss-logging-3.1.0.CR2.jar		
jboss-transaction-api_1.1_spec-1.0.0.Final.jar		

5. Uncompress the Collection_V[Build_Number].zip file using the following command:

cd <PATH>/TEMPDIR

unzip Collection_V[Build_Number].zip

Where, <PATH> is the path where the TEMPDIR folder is located.

The contents of the zip file are extracted in the TEMPDIR folder. The following files / folders are extracted:

- config.properties
- ouaf.properties

- data
- Install.sh
- collectioninstaller.jar
- collectionupgradeinstaller.jar

Figure 2–2 Collection_V[Build_Number].zip uncompressed

/scratch/install/Collection			
Name			
🐌 data			
🖻 collectioninstaller.jar			
🖻 collectionupgradeinstaller.jar			
Config.properties			
🚳 Install.sh			
Install_Silent.sh			
🖉 ouaf.properties			

- 6. Start the XManager application on the Windows machine from where you have connected to the Host Server remotely and then click **XPassive**.
- 7. Export the XManager UI on the Host Server (Linux environment) using the following command:

DISPLAY=<IP>:0.0; export DISPLAY

Where, < IP > is the IP address of the Windows machine.

8. Run the Collection installer using the following command:

java -jar collectioninstaller.jar

The OB Collection Installer: Initial Details wizard page appears.

Figure 2–3 OB Collection Installer: Initial Details

B Collection Installer : Initial Details		—	×
ORACLE	OB Collection Installer : Initial Details		
Operating System Installation Directory	Linux /scratch/app/product/fmw/obpinstall/obp		
Genrerate Host Configuration			
Genrerate UI Configuration			
Genrerate Batch Configuration			
Generate Thread Pool Configurat			
Customization Support Required			
Ne	xt		

The **OB Collection Installer: Initial Details** wizard page contains the following fields:

Field	Description	
	Used to indicate the operating system on which you want to install the OBP Collections Host Media Pack. The options are:	
Operating System	Linux	
Operating System	Windows	
	You can only integrate OBP Collections with OBP on the Linux environment.	
	Used to specify the directory where you want to install the OBP Collections Host Media Pack. It should be same as the installation directory where OBP Host Media pack is installed.	
Installation Directory	By default,/scratch/app/product/fmw/obpinstall/obp is specified in this field. You can change the path and directory name, if required.	
Generate Host Configuration	Used to deploy the OBP Collections Host Media Pack components, if this option is checked.	
Generate UI Configuration	Used to deploy the OBP Collections Presentation Media Pack components, if this option is checked.	
Generate Batch Configuration	Used to deploy the batch components used for configuring the batch server, if this option is checked.	

Field	Description
	If you want to deploy the batch components, you must always select the Generate Host Configuration check box along with the Generate Batch Configuration check box.
	Used to deploy the threadpool components used for configuring the threadpool, if this option is checked.
Generate Thread Pool Configuration	If you want to deploy the threadpool components, you must always select the Generate Host Configuration check box and Generate Batch Configuration check box along with the Generate Threadpool Configuration check box.
Customization Support Required	Used to enable the customization support, if this option is checked.

- 9. Select the Generate Host Configuration check box.
- 10. If you want to deploy the batch components on the host server, select the **Generate Batch Configuration** check box.
- 11. If you want to deploy the batch components on the host server, select the **Generate Threadpool Configuration** check box.

Click Next. The OB Collection Installer: Host Configuration screen appears.

Figure 2–4 OB Collection Installer: Host Configuration

OB Collection Installer : Host configu	ration					_2	×
ORACLE	OB Collect	tion Ir	nstaller	: Host cor	nfiguration		
Host logs directory	/scratch/a	pp/pro	duct/fmw	/obpinstall/ol	op/fclogs/logs		
Java home path	/scratch/aj	pp/pro	duct/jdk1	.8.0 101			
Hibernate Jar Directory Path	/scratch/a	pp/pro	duct/hibe	ernate			
_							
L	Previous		Ne	xt			

12.

The **OB Collection Installer: Host Configuration** wizard page contains the following fields:

Field	Description
Host Logs Directory	Used to indicate the directory where the logs must be created on the host server. By default, /scratch/app/product/fmw/obpinstall/obp/fclogs/logs is specified in this field. You can change the path and directory name, if required.
Java Home Path	Used to indicate the directory where Oracle JDK is installed. By default, /scratch/app/product/jdk1.8.0_101 is specified in this field. You can change the path and directory name, if required.
Hibernate Path	Used to indicate the directory where Hibernate jars downloaded and copied jars from /lib/required/ from extracted hibernate-release-4.1.0.Final.zip package by default, /scratch/app/product/hibernate is specified in this field. You can change the path and directory name, if required. Installer will copy the jars from this directory to Third party directory.

Table 2–2 OB Collection Installer: Host Configuration

- 13. Change the values in these fields, if required.
- 14. Click Next. The OB Collection Installer: Host DB Configuration screen appears.

Figure 2–5 OB Collection Installer: Host DB Configuration

👼 OB Collection Installer : Host DB co	onfiguration	and a	×
ORACLE	OB Collection Installer : Host DB config	juration	
Database IP address	< DB IP Address >		
Database port	1521		
Database SID	VSDEV		
Database user name	fcrhdevsails40		
Database user password	****		
Host Datasource name	jdbc/FCBDataSource NonXA		
Host IP address	≺ Host IP Address≻		
Host port	8001		
	Previous		

The following fields appear in the OB Collection Installer: Host DB Configuration screen:

Field	Description					
Database IP address	Used to specify the database IP address. For example, 10.180.7.77.					
Database port	Used to specify the database port. For example, 1521.					
Database System ID (SID)	Used to specify the database SID. For example,V5DEV.					
Database user name	Used to specify the database user name.					
Database user password	Used to specify the database password.					
Host Datasource name	Used to specify the host NonXA data source name. For example, jdbc/FCBDataSource_NonXA.					
Host IP address	Used to specify the host IP address. For example, 10.180.6.11					
Host portUsed to specify the Host server WebLogic managed server port. F example, 8001.						

Table 2–3 OB Collection Installer: Host DB Configuration

15. Click **Next.** The **OB Collection Installer: Batch Configuration** screen appears. This screen appears only if you have selected the **Generate Batch Configuration** option in the **OB Collection Installer: Initial Details** screen.

Figure 2–6 OB Collection Installer: Batch Configuration

OB Collection Installer : Batch Configu	ration	<u></u>	×
ORACLE	OB Collection Installer : Batch Configuration	r -	
Database IP address	 ≺ DB IP Address > 		
Database port	1521		
Database SID	V5DEV		
Database user name	fcrhdevsails40		
Database user password	*****		
Thread pool name	MT		
Number of threads	5		
Batch user ID	SYSUSER		
Batch log directory	/scratch/app/product/fmw/obpinstall/obp/fclogs/logs	ľ.	
F	Previous		
_			

The following fields appear in the **OB Collection Installer: Batch Configuration** screen:

Field	Description	
Database IP address	Used to specify the database IP address. For example, 10.180.7.77.	
Database port	Used to specify the database port. For example, 1521.	
Database System ID (SID)	Used to specify the database SID. For example, V5DEV.	
Database user name	Used to specify the database user name.	
Database user password	Used to specify the database password.	
Thread pool name	Used to specify the name of the thread pool. For example, MT.	
Number of threads	Used to specify the number of the threads that the thread pool can support. For example, 5.	
Batch user ID	Used to specify the batch user ID. For example, SYSUSER.	
Batch log directory Used to specify the batch log directory. For example, /scratch/app/product/fmw/obpinstall/obp/fclogs/logs		

 Table 2–4 OB Collection Installer: Batch Configuration

16. Click Next. The OB Collection Installer: Threadpool Configuration screen appears. This screen appears only if you have selected the Generate Threadpool Configuration option in the OB Collection Installer: Initial Details screen.

OB Collection Installer : Threadp	ool Configuration	<u></u>	
DRACLE	OB Collection Installer : Threadpool Configu	iration	
Weblogic Server Home	/scratch/app/product/fmw/wlserver		
RMI Port	2120		
Host Domain Path	duct/fmw/user projects/domains/host domain		
Cluster Name	< Cluster name >		
Cluster IP Address	232.0.0.1		
Cluster Port	6660		
	Previous Next		
	Next		

Figure 2–7 OB Collection Installer: Threadpool Configuration

The following fields appear in the **OB Collection Installer: Threadpool Configuration** screen:

Table 2–5 OB Collection Installer: Threadpool Configuration

Field	Description			
Weblogic Server HomeUsed to specify the weblogic server home path. For example, /scratch/app/product/fmw/wlserver.				
RMI Port	Port Used to specify the rmi port. For example, 2120.			
Host Domain Path Used to specify the Host Domain Path. For example, /scratch/app/product/fmw/user_projects/domains/host_doma				
Cluster Name	Used to specify the Threadpool cluster name. For example, Cluster1			
Cluster IP Address Used to specify Threadpool cluster IP Address. For Example, 232.0.0				
Cluster Port	Used to specify Threadpool Cluster Port. For Example, 6660			

17. Click Next. The OB Collection Installer: Confirm installation details screen appears.

DRACLE	OB Collection Installer : Confirm	installation details	
Host logs directory Java home path : /s Hibernate Jar Direc Host DB C Is connection poole Datasource name : Host IP address : Host port : 8001	jdbc/FCBDataSource_NonXA nfiguration ed : false as :	s/logs	
	Previous Generate		

Figure 2–8 OB Collection Installer: Confirm Installations Details



ORACLE	OB Collection	Installer	: Confirm install	ation details	
Database user pas Thread Pool name Number of threads Batch user ID : SVS Batch log directory Threadpo Web Server Home RMI Port : 2120	: MT :: 5 SUSER :: /scratch/app/product/fi ool Configuration : /scratch/app/product/fmw/us atch/app/product/fmw/us ster1 : 232.0.0.1	w/wlserver er_projects/		in	

- 18. Click Generate. The OB Collection Installer: Installing screen appears.
- 19. Click Done.

- 20. Delete cglib.cglib-nodep.jar from <Weblogic Home>\modules\ if present. For example, delete from /scratch/app/product/fmw/wlserver/modules
- 21. Log in to Weblogic console and navigate to Data Sources-> OBP_HOST_DS_NONXA -> Connection Pool.
- 22. Change Driver Class Name = oracle.jdbc.OracleDriver if it is different.

Figure 2–10 Data Source Connection Pool

Home >Su	mmary of	JDBC Data	Sources >OBP	HOST_D	S_NONXA >Sur	mmary of Securit	ty Realms >myrealm >Summary of Deployments >Summary of
settings fo	r OBP_H	HOST_DS	S_NONXA				
Configura	tion	Targets	Monitoring	Contro	Security	Notes	
General	Conne	ction Po	ol Oracle	ONS	Transaction	Diagnostics	Identity Options
Save							
WebLogi	c Server o	or when d	eploying the d	lata sour	ce to a new ta		ections that applications reserve, use, and then return to
街 URL:				jd	bc:oracle:th	in:@//	1521/PDB0515
👸 Drive	r Class N	Name:		01	acle.jdbc.Or	racleDriver	

- 23. Log in to Weblogic console and navigate to XML Registries.
- 24. Add new XML Registry Properties. If New button is disabled click on Lock & Edit button.

Figure 2–11 Add XML Registry

ORACLE WebLogic Server Adr	ministration Console 12c				
Change Center	Home Log Out Preferences [Record Help			
View changes and restarts	Home >Summary of XML Registri	ries			
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of XML Registries				
Lock & Edit Release Configuration	The XML Registry is a facility for Server; click on the Name to see	r configuring and administering the XML resources of WebLogic Server. XML resources include the default parser and transformer factoriv e its full configuration.			
Domain Structure	Customize this table				
ui_domain I Domain Partitions	XML Registries (Filtered - More Columns Exist)				
⊕-Environment Deployments	Click the Lock & Edit button in the Change Center to activate all the buttons on this page.				
Services Security Realms	New Clone Delete				
	🔲 Name 🗇	Document Builder Factory			
-		There are no items to display			
	New Clone Delete				

25. Change the following properties while adding XML Registry Properties and save changes.

- Document Builder Factory = com.sun.org.apache.xerces.internal.jaxp.DocumentBuilderFactoryImpl
- SAX Parser Factory = com.sun.org.apache.xerces.internal.jaxp.SAXParserFactoryImpl
- Transformer Factory = com.sun.org.apache.xalan.internal.xsltc.trax.TransformerFactoryImpl

Figure 2–12 Settings for XML Registry

🛍 Home Log Out Preferences 🔤 R	ecord Help					
Home >Summary of XML Registries >XML Registry-0 >Summary of XML Registries >XML Registry-0						
Settings for XML Registry-0						
Configuration Targets Contents	Notes					
Save						
Use this page to configure an XML reg	istry, in particular to specify the implementation classes that WebLogic Server uses, by default, for the factories used to obtain					
Name:	XML Registry-0					
Document Builder Factory:	com.sun.org.apache.xerces.internal.jaxp.DocumentBuilderFactoryImpl					
SAX Parser Factory:	com.sun.org.apache.xerces.internal.jaxp.SAXParserFactoryImpl					
Transformer Factory:	com.sun.org.apache.xalan.internal.xsltc.trax.TransformerFactoryImpl					
XPath Factory:	weblogic.xml.jaxp.WebLogicXPathFactory					
Schema Factory:	weblogic.xml.jaxp.WebLogicSchemaFactory					
XML Input Factory:	weblogic.xml.jaxp.WebLogicXMLInputFactory					
XML Output Factory:	weblogic.xml.jaxp.WebLogicXMLOutputFactory					
XML Event Factory:	weblogic.xml.jaxp.WebLogicXMLEventFactory					
When To Cache:	cache-on-reference •					
Save						

26. Click Next if available and Deploy XML Registry to managed server.

Figure 2–13 Deploy XML Registry

🚹 Home Log Out Preferences 🔤 Record Help	
Home >Summary of XML Registries	
Create a New XML Registry	
Back Next Cancel	
Deploy this XML Registry	
Select the server to which you would like to deploy this XML Registry.	
Servers	
Servers AdminServer	
AdminServer	
AdminServer	
□ AdminServer ✓ obpui_server1	

- 27. Log in to Weblogic console and navigate to Domain -> host_domain (if multiple domains available) -> Security tab.
- 28. Verify Cross Domain Security Enabled check box is unchecked.

Figure 2–14 Host Domain Security

🚹 Home	Log Out	Preference	es 📐 Re	cord Help			Q				
Home >cm	_domair	1									
Settings for	Settings for cm_domain										
Configurati	Configuration Monitoring Control Security Web Service Security ZDT Control Notes										
General	Filter	Unlock U	lser Eml	bedded LDAP	Roles	Policies	SSL Certificate	e Revocatio	n Checking	JASPIC	
Save											
This page	allows y	vou to defir	ne the gen	eral security s	settings for	this WebLo	gic Server dom	ain. Use thi	s page to ch	ange the d	efault administra
街 Defau	lt Realn	n:						myrealm	•		
街 Admin	istrativ	e Identity	y Domain:]
🗌 Identii	ty Doma	ain Aware	Provider	s Required							
🗌 街 An	onymou	ıs Admin	Lookup Ei	nabled							
Cross	Domain	Security	Enabled								
Cross Domain Security Enabled											
— 🖗 Advar	iced —										
Save											

2.3 Configuring Weblogic Domain For Host

The following steps explain how to configure weblogic domain for host:

- 1. To perform domain configuration, you must run Admin server. Ensure that managed server is not running.
- 2. To check if managed server is running, login to Weblogic console and navigate to servers tab.

Figure 2–15 Summary of servers

🙆 Home Log Out Preferences 🗁 Record Help	Q				w		
Home >Summary of Servers							
Summary of Servers	summary of Servers						
Configuration Control							
A server is an instance of WebLogic Server that runs in its in This page summarizes each server that has been configure C1 Customize this table Servers (Filtered - More Columns Exist) New Cone Delete							
🔲 Name 🌣	Туре	Cluster	Machine	State	Health		
AdminServer(admin)	Configured			RUNNING	🖋 ОК		
obphost_server1	Configured	obphost_cluster1	host_machine1	UNKNOWN	Not reachable		
New Clone Delete							

3. If managed server state is running, navigate to control tab and select managed server check box, click on shutdown button and select Force shutdown now.

Figure 2–16 Force shutdown

🛍 Home Log Out Preferences 🔤 Record Help			
Home >Summary of XML Entity Caches >Summary of XML Registries >XML Registry-0 >S	ummary of XML Registries >XML Registry-0 >Summary of XML Registries >S	ummary of Servers	
Summary of Servers			
Configuration Control			
Use this page to change the state of the servers in this WebLogic Server domain. () () () Customize this table Servers (Filtered - More Columns Exist)	Control operations on Managed Servers require starting the Node Mar	nager. Starting Managed Servers in Star	idby mode requires th
Start Resume Suspend - Shutdown - Restart SSL			
Server When work completes Force shutdown now	Machine	State	Status of Last Acti
AdminServer(admin)		RUNNING	None
✓ obphost_server1	obphost_machine1	RUNNING	None
Start Resume Suspend V Shutdown V Restart SSL			

4. Click Yes on next screen.

Figure 2–17 Force S	hutdown Confirmation Message		
🔒 Home Log Out	Preferences 🔤 Record Help	Q	
Home >Summary of	Servers		
Server Life Cycle As	isistant		
Yes No			
Forcibly Shutdow			

You have selected the following servers to be immediately shut down. Press 'Yes' to continue or 'No' to cancel.

obphost_server1



Weblogic will try to force shutdown managed server. You can see below message.

Figure 2–18 Force Shutdown Acknowledgement Message

A Home Log Out Preferences 🗠 Record Help					
Home >Summary of Servers					
lessages					
Summary of Servers					
Configuration Control					
Use this page to change the state of the servers in this WebLogic Ser	rver domain. Control operations on Managed Servers	require starting the Node Manager. Starting Managed Servers in Stan			
C2					
Customize this table					
Servers (Filtered - More Columns Exist)					
Start Resume Suspend v Shutdown v Restart SSL					
Server 🗞	Machine	State			
AdminServer(admin)		RUNNING			
obphost_server1	host_machine1	FORCE_SUSPENDING			
Start Resume Suspend v Shutdown v Restart SSL					

5. Refresh the screen and wait till state of managed server changes to Shutdown.

Figure 2–19 Verify Server State

Home Log Out Preferences 🔤 Record Help	Q	
Home >Summary of Servers		
ummary of Servers		
Configuration Control		
Use this page to change the state of the servers in this WebLogic Serve	er domain. Control operations on Managed Servers r	equire starting the Node Manager. Starting Managed Se
C2		
© Customize this table Servers (Filtered - More Columns Exist)		
	Machine	State
Servers (Filtered - More Columns Exist) Start Resume Suspend v Shuldown v Restart SSL	Machine	State RUNNING
Servers (Filtered - More Columns Exist) Start Resume Suspend v Shuldown v Restart SSL Server Server Server Server	Machine host_machine1	

6. Check if Admin server is running. Access Weblogic Admin Console. If Weblogic Admin Console returns below screen Admin server is up.

Figure 2–20 Weblogic Admin Console

Welcome work with the WebLogic Server domain
ne:
mai

7. If Admin Server is down, start Admin Server. To start Admin server, use the following command:

```
${middleware__home}/user_projects/domains/{domain_
name}/bin/startWeblogic.sh
```

- 8. Browse the folder where you have extracted the Installation package.
- 9. Run the following command:

cd <PATH>/TEMPDIR

10. Execute the Install.sh file as below:

./Install.sh

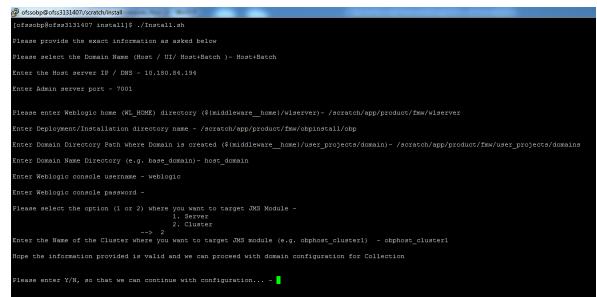
The install file prompts for the following input:

Field	Description
Select the Domain Name (Host / UI)	Indicates whether to configure Host or UI domain. To set up host domain, enter host.
Enter the Host IP/DNS (Domain Name Server)	Indicates the host IP address or DNS name.
Enter Admin Server Port	Indicates the port number of admin server.
Enter Weblogic home (WL_ HOME) directory (\${middleware home}/wlserver)	Indicates the home path of Weblogic. For example, /scratch/app/product/fmw/wlserver
Enter Deployment/Installation directory name	Used to specify the directory where you want to install the OBP Collections Host Media Pack. By default, /scratch/app/product/fmw/obpinstall/obp is specified in this field. You can change the path and directory name, if required.
Enter Domain Directory Path where Domain is created (\${middlewarehome}/user_ projects/domain)	Indicates the generic domain_home path.
Enter Domain Name Directory (for example, host_domain)	Provide the domain name configured on weblogic and the directory present in domain_home.
Enter Weblogic console username	Indicates the username of weblogic console.
Enter Weblogic console password	Indicates the password of weblogic console.
Select the option (1 or 2) where you want to target JMS Module: Server Cluster	Select the option 1 or 2 as per requirement or configuration in OBP.
Enter the Name of Server where you want to target JMS module (for example, obphost_server1) -	If option 1 is selected then provide the name of the managed server.
Enter the Name of the Cluster where you want to target JMS module (For example, obphost_ cluster1) -	If option 2 is selected then provide the name of the cluster.

Table 2–6 Configuring Weblogic Domain for Host

11. Verify whether the information passed is correct and enter 'Y' to continue the configuration or 'N' to avoid domain configuration as shown in the following screenshot:





Once you have completed the execution steps listed above, perform the following steps:

1. Connect to the database and execute below two statements to enable collection bootstrap.

You must set the collection bootstrap to true for the default management module to function properly.

```
update flx_fw_config_all_b set prop_value='true' where
prop_id='collection.bootstrap' and category_id='root';
update flx_fw_config_all_b set prop_value='true' where
prop_id='collection.webservice.bootstrap' and category_
id='root';
```

 Need to update setDomainEnv.sh file to append EXTRA_JAVA_PROPERTIES and append PRE_ CLASSPATH as following, if not present:

EXTRA_JAVA_PROPERTIES before collection installation:

```
EXTRA_JAVA_PROPERTIES=" -
Djavax.xml.parsers.DocumentBuilderFactory=com.sun.org.apache.
xerces.internal.jaxp.DocumentBuilderFactoryImpl -
Djavax.xml.transform.TransformerFactory=com.sun.org.apache.xa
lan.internal.xsltc.trax.TransformerFactoryImpl -
Dweblogic.configuration.schemaValidationEnabled=false -
DentityExpansionLimit=1000 -Duser.home=${OBP_ORACLE_
HOME}/config -Dfc.io.dir=${OBP_ORACLE_HOME} ${ORACLE_MEM_ARGS}
${EXTRA JAVA PROPERTIES}"
```

After Collection Installation:

```
EXTRA_JAVA_PROPERTIES=" -
Djavax.xml.parsers.DocumentBuilderFactory=com.sun.org.apache.
xerces.internal.jaxp.DocumentBuilderFactoryImpl -
```

Djavax.xml.transform.TransformerFactory=com.sun.org.apache.xa lan.internal.xsltc.trax.TransformerFactoryImpl -Djavax.xml.parsers.SAXParserFactory=com.sun.org.apache.xerces .internal.jaxp.SAXParserFactoryImpl -Dweblogic.configuration.schemaValidationEnabled=false -Dweblogic.configuration.schemaValidationEnabled=false -DentityExpansionLimit=1000 -Duser.home=\${OBP_ORACLE_ HOME}/config -Dfc.io.dir=\${OBP_ORACLE_HOME} \${ORACLE_MEM_ARGS} \${EXTRA JAVA PROPERTIES}"

Before Collection Installation:

```
PRE_CLASSPATH="${OBP_ORACLE_HOME}/config:${OBP_ORACLE_
HOME}/config/security/oaam:${PRE_CLASSPATH}"
export PRE CLASSPATH
```

After Collection Installation:

PRE_CLASSPATH="\${OBP_ORACLE_HOME}/config:\${OBP_ORACLE_ HOME}/config/security/oaam:\${OBP_ORACLE_ HOME}/obp.thirdparty.app.domain/APP-INF/lib/xmlparserv2-12.1.0.2.0.jar:\${PRE_CLASSPATH}" export PRE_CLASSPATH

- Restart the admin server. To restart the Admin server, first stop the Admin server and then start it again.
 - a. To stop the Admin server, use the following command:

```
${middleware_home}/user_projects/domain/{domain_
name}/bin/stopWeblogic.sh
```

b. Delete tmp, cache directories present inside the server directory.

For example,

```
${middleware_home}/user_projects/domain/{domain_
name}/servers/{server_name}/cache
${middleware_home}/user_projects/domain/{domain_
name}/servers/{server_name}/tmp
```

c. Delete the stage folder also if it is present under the following location:

```
${middleware_home}/user_projects/domain/{domain_
name}/servers/{server_name}/stage
```

Where {server_name} indicates all the servers that are available in the domain, such as AdminServer, Managed server (obphost_server1).

d. Then start Admin server by using the following command:

```
${middleware_home}/user_projects/domain/{domain_
name}/bin/startWeblogic.sh
```

4. After the Admin server is up, perform the following manual changes.

File Name	File Path	Change From	Change To
splEnv .sh	\${Installation_ Directory} \collectionenv\properti es	export JAVA_ HOME=/scratch/app/product/j dk1.8.0_101 LD_LIBRARY_ PATH=\$JAVA_ HOME/jre/lib/amd64/server:\$J AVA_ HOME/jre/lib/amd64/native_ threads	export JAVA_ HOME=/scratch/app/product/j dk1.8.0_101/jre LD_LIBRARY_ PATH=\$JAVA_ HOME/jre/lib/amd64/server:\$J AVA_ HOME/jre/lib/amd64/native_ threads:\$JAVA_ HOME/lib/amd64/server:\$JAV A_HOME/lib/amd64/native_ threads
splEnv .sh	\${Installation_ Directory} \collectionenv/standal one/bin	export JAVA_ HOME=/scratch/app/product/j dk1.8.0_101 LD_LIBRARY_ PATH=\$JAVA_ HOME/jre/lib/amd64/server:\$J AVA_ HOME/jre/lib/amd64/native_ threads	export JAVA_ HOME=/scratch/app/product/j dk1.8.0_101/jre LD_LIBRARY_ PATH=\$JAVA_ HOME/jre/lib/amd64/server:\$J AVA_ HOME/jre/lib/amd64/native_ threads:\$JAVA_ HOME/lib/amd64/server:\$JAV A_HOME/lib/amd64/native_ threads

 Table 2–7 Changes to be made in splEnv.sh file if not present

5. Start the managed servers.

Ignore the below error while starting host managed server.

ERROR (support.license.ModuleInfoCache) Module feature configuration not found; no modules will be disabled. To resolve this error add a feature configuration of type F1MD and associated options for disabled modules.

3 Installing the Presentation Media Pack

You must follow the steps mentioned below to install the Presentation Media Pack:

- 1. Install the Presentation Media Pack.
- 2. Configure the web logic domain.
- 3. Deploy the Collections module.

3.1 Prerequisites

You must install the following software prior to installing the Presentation Media Pack:

- OBP 2.6.2.0.0 Host Media Pack.
- OBP 2.6.2.0.0 Presentation Media Pack.
- OBP Collections 2.6.2.0.0 Host Media Pack.

Note

Oracle JDK 1.8 Update 101 is required to run the OBP Collections V2.6 installer. For more information on JDK installation, see Chapter 5 Installing Third-Party Software.

3.2 Installing the Presentation Media Pack

To install the Presentation Media Pack, you must download the installation package from the following link:

https://edelivery.oracle.com/

Note

Ensure that the node manager is not running on any of the target installation machines. Also, ensure that there are no processes running on the listener ports for any of the OBP domain servers that are to be installed.

To install the Presentation Media Pack, perform the following steps:

- 1. Download the appropriate OBP Collections Media Pack. The media pack is available in this format: Collection_V[Build_Number].zip
- 2. Log in to the presentation server.
- 3. Create a temporary directory on the presentation server. For example, <TEMPDIR>.
- 4. Copy the OBP Collections Media Pack Collection_V[Build_Number].zip downloaded from edelivery to presentation Linux server using WINSCP.
- 5. Copy the OBP Collections Media Pack Collection_V[Build_Number].zip into the <TEMPDIR>.

Uncompress the OBP Collections Media Pack Collection_V[Build_Number].zip by running the following commands:

```
cd <TEMPDIR>
unzip Collection_V[Build_Number].zip
```

The contents of the zip file are extracted in the TEMPDIR folder. The following files/folders are extracted:

- config.properties
- ouaf.properties
- data
- Install.sh
- collectioninstaller.jar
- collectionupgradeinstaller.jar

```
Figure 3–1 Collection_V[Build_Number].zip uncompressed
```

🤣 🚺 /scratch/install/Collection			
Name			
🔰 data			
ollectioninstaller.jar			
🖻 collectionupgradeinstaller.jar			
Config.properties			
🚳 Install.sh			
🚳 Install_Silent.sh			
🖉 ouaf.properties			

- 7. Run XManager application on Windows machine.
- 8. To export the XManager UI on the Linux environment, run the following command:

```
DISPLAY=<IP>:0.0;
export DISPLAY
Where, IP is the IP address of your machine.
```

9. Run the following command to start the OBP Collections installer. The OB Installer: Initial Details screen appears.

```
java -jar collectioninstaller.jar
```

10. In the OB Collection Installer: Initial Details screen, select the Installation directory and Host Configurations.

Fiaure	3–2	OB	Collection	Installer:	Initial	Details

💐 OB Collection Installer : Initial Details			×
ORACLE	OB Collection Installer : Initial Details		
Operating System	Linux		
Installation Directory	/scratch/app/product/fmw/obpinstall/obp		
Genrerate Host Configuration			
Genrerate UI Configuration	V		
Genrerate Batch Configuration			
Generate Thread Pool Configurat			
Customization Support Required			
Ne	×t		
		_	

The following fields appear in the OB Collection Installer: Initial Details screen:

Field	Description
Operating System	Used to specify the operating system platform on which the installation is to be done. For example, Linux.
Installation Directory	Used to specify the directory where OBP Collections 2.6 should be installed. Note that this is the same the directory where the OBP presentation or host media packs are installed. For example, /oracle/deployables/sails/fclogs/logslogs scratch/app/product/fmw/obpinstall/obp.
Generate Host Configuration	Deploys the host media pack components.
Generate UI Configuration	Deploys the presentation media pack components.
Generate Batch Configuration	Deploys the host media pack components. Note that host configuration must also be selected when batch components are to be enabled on the host that is used for configuring the batch server.
Generate Thread Pool Configuration	Deploys the Host media pack components. Note that host configuration must also be selected when Thread Pool components are to be enabled on the host that is used for configuring the Thread Pool Node.
Customization Support Required	Enables the customization support.

Table 3–1 OB Collection Installer: Initial Details

11. Click Next. The OB Collection Installer: UI configuration screen appears.

B Collection Installer : UI configuration	tion		×
ORACLE	OB Collection Installer : UI configuration		
UI log directory	/scratch/app/product/fmw/obpinstall/obp/fclogs/logs		
Host IP address	< Host IP Address>		
Host port	8001		
Host weblogic user name	weblogic		
Host weblogic password	*******		
UI IP address	< ULIP Address >		
UI port	8001		
UI Weblogic user name	weblogic		
UI Weblogic password	****		
ſ	Previous		
L			

Figure 3–3 OB Collection Installer: UI configuration

The following fields appear in the OB Collection Installer: UI Configuration screen:

Field	Description	
UI log directory	Used to specify the log directory for the presentation server. For example, /oracle/deployable/sails/fclogs/logs.	
Host IP address	Used to specify the host IP address. For example, 10.180.6.11.	
Host port	Used to specify the Host server WebLogic managed server port. For example, 8001.	
Host Weblogic user name	Used to specify the Host WebLogic server admin user name.	
Host Weblogic password	Used to specify the Host WebLogic server admin password.	

Table 3–2 OB Collection Installer: UI Configuration

Field	Description	
UI IP Address	Used to specify the host IP address. For example, 10.180.6.12.	
UI Port	Used to specify the UI server WebLogic managed server port. For example, 8001.	
UI Weblogic user name	Used to specify the UI WebLogic server admin user name.	
UI Weblogic password	Used to specify the UI WebLogic server admin password.	

12. Click Next. The OB Collection Installer: Confirm Installation details screen appears.

Figure 3–4 OB Collection Installer: Confirm Installation Details

ORACLE	OB Collection I	nstaller : Confirm install		
Operating System Installation Directo Genrerate Host Co Genrerate UI Confi Genrerate Batch C Customization Sup Theadpool Configu	bry : /scratch/app/product/fr onfiguration : false iguration : true Configuration : false port Required : false uration : false uration scratch/app/product/fmw/ob led : true			4
	Previous	Generate		

13. Click Generate.

Figure 3–5 OB Collection Installer : Installing

OB Collection	n Installer : Installing	_	×
ORACLE	OB Collection Installer : Installing		
	Creating directory structure. Creating directory structure successful. Generating UI properties. Generating UI properties successful. Copying UI properties. Copying UI properties. Copying UI properties. Copying web war.		
) j	46%]	
	Done		

- 14. Click Done.
- 15. Log in to Weblogic console and navigate to XML Registries.
- 16. Add new XML Registry Properties.
- 17. Change the following properties while adding XML Registry Properties and save changes.
 - Document Builder Factory = com.sun.org.apache.xerces.internal.jaxp.DocumentBuilderFactoryImpl
 - SAX Parser Factory = com.sun.org.apache.xerces.internal.jaxp.SAXParserFactoryImpl
 - Transformer Factory = com.sun.org.apache.xalan.internal.xsltc.trax.TransformerFactoryImpl

Figure 3–6 XML Registry

ettings for XML	Registry-	0		
Configuration	Targets	Contents	Notes	
Save				
Use this page to	o configure	an XML regis	try, in pa	ticular to specify the implementation classes that WebLogic Server uses, by default, for the factories use
Name:			XML Re	gistry-0
Document Buil	der Factor	y:	com.	sun.org.apache.xerces.internal.jaxp.DocumentBuilderFactoryImpl
SAX Parser Fac	ctory:		com.	sun.org.apache.xerces.internal.jaxp.SAXParserFactoryImpl
Transformer Fa	actory:		com.	sun.org.apache.xalan.internal.xsltc.trax.TransformerFactoryImpl
XPath Factory:			weble	ogic.xml.jaxp.WebLogicXPathFactory
Schema Factor	y:		weble	ogic.xml.jaxp.WebLogicSchemaFactory
XML Input Fact	to ry:		weble	ogic.xml.jaxp.WebLogicXMLInputFactory
XML Output Fa	ctory:		weble	ogic.xml.jaxp.WebLogicXMLOutputFactory
XML Event Fac	to ry:		weble	ogic.xml.jaxp.WebLogicXMLEventFactory
When To Cache	2:		cach	e-on-reference 🔻
Save				

- 18. In the OB Collection Installer: Installing screen, confirm the following:
 - Under the InstallDir, collectionenv directory is created.
 - Collectionenv folder contains the properties folder and properties folder contains the web directory.

3.3 Configuring Weblogic Domain for Presentation Server

The following steps explain how to configure weblogic domain for presentation server:

 To perform domain configuration, Admin server must be running. Check if Admin server is running. Access Weblogic Admin Console. If Weblogic Admin Console returns below screen Admin server is up.

Figure 3–7 Weblogic Admin Console

ORACLE WebLogic Server Administration Console 12c	
400	
12°	Welcome Log in to work with the WielLagic Server domain Username: Password: Login

2. If Weblogic Admin Server is down, start Admin server, use the following command:

\${middleware__home}/user_projects/domain/\${domain_ home}/bin/startWeblogic.sh

- 3. Browse the folder where you have extracted the Installation package.
- 4. Run the following command:

cd <PATH>/TEMPDIR

5. Execute the Install.sh file as mentioned below:

./Install.sh

6. The install file prompts for input. Enter the following details when prompted:

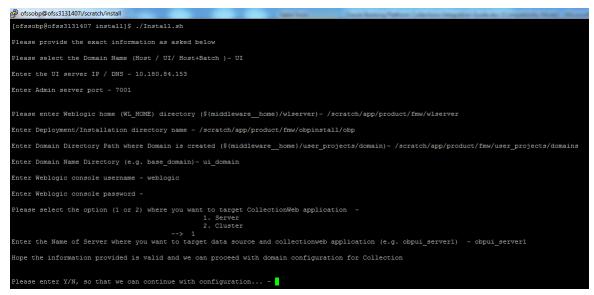
Table 3–3 Configuring Weblogic Domain for Presentation

Field	Description
Please select the Domain Name (Host / UI)	Enter UI to setup host domain.
Enter the Host IP/DNS	Enter UI IP address or DNS name.
Enter Admin server port	Enter Admin server port number.
Please enter Weblogic home (WL_ HOME) directory (\${middleware home}/wlserver)	Its Weblogic home path. For example, /scratch/app/product/fmw/wlserver
Enter Deployment/Installation directory name	Used to specify the directory where you want to install the OBP Collections Host Media Pack. By default, /scratch/app/product/fmw/obpinstall/obp is specified in this field. You can change the path and directory name, if required.
Enter Domain Directory Path where Domain is created (\${middlewarehome}/user_projects/domain)	Its generic domain_home path.
Enter Domain Name Directory (for	Provide the domain name configured on weblogic and the

Field	Description
example, base_domain)	directory present in domain_home.
Enter Weblogic console username	Username of weblogic console.
Enter Weblogic console password	Password of weblogic console.
Select the option (1 or 2) where you want to target Datasource and CollectionWeb application: Server Cluster	Select the option 1 or 2 as per requirement or configuration in OBP.
Enter the Name of Server where you want to target data source and collectionweb application (for example, obpui_server1)	If option 1 is selected then provide the name of the managed server.
Enter the Name of Cluster where you want to target data source and collectionweb application (for example, obpui_cluster01)	If option 2 is selected then provide the name of the cluster.

7. Verify whether the information passed is correct and enter 'Y' to continue the configuration or 'N' to avoid domain configuration.

Figure 3–8 Domain Configuration: Confirm



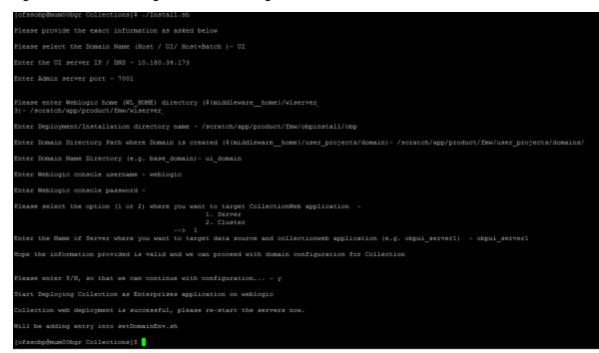


Figure 3–9 Domain Configuration: Proceeding with the Process

8. Need to update setDomainEnv.sh file to append EXTRA_JAVA_PROPERTIES, if not present.

EXTRA_JAVA_PROPERTIES before collection installation:

EXTRA_JAVA_PROPERTIES=" Djavax.xml.parsers.DocumentBuilderFactory=com.sun.org.apache.
xerces.internal.jaxp.DocumentBuilderFactoryImpl Djavax.xml.transform.TransformerFactory=com.sun.org.apache.xa
lan.internal.xsltc.trax.TransformerFactoryImpl Dweblogic.configuration.schemaValidationEnabled=false DentityExpansionLimit=1000 -Duser.home=\${OBP_ORACLE_
HOME}/config -Dfc.io.dir=\${OBP_ORACLE_HOME} \${ORACLE_MEM_ARGS}
\${EXTRA_JAVA_PROPERTIES}"

After Collection Installation:

EXTRA_JAVA_PROPERTIES=" -Djavax.xml.parsers.DocumentBuilderFactory=com.sun.org.apache. xerces.internal.jaxp.DocumentBuilderFactoryImpl -Djavax.xml.transform.TransformerFactory=com.sun.org.apache.xa lan.internal.xsltc.trax.TransformerFactoryImpl -Djavax.xml.parsers.SAXParserFactory=com.sun.org.apache.xerces .internal.jaxp.SAXParserFactoryImpl -Dweblogic.configuration.schemaValidationEnabled=false -Dweblogic.configuration.schemaValidationEnabled=false -DentityExpansionLimit=1000 -Duser.home=\${OBP_ORACLE_ HOME}/config -Dfc.io.dir=\${OBP_ORACLE_HOME} \${ORACLE_MEM_ARGS} \${EXTRA_JAVA_PROPERTIES}"

- 9. Restart Admin server. Before restarting, stop Admin server.
 - a. To stop the Admin server, use the following command:

```
${middleware_home}/user_projects/domain/{domain_
name}/bin/stopWeblogic.sh
```

b. Delete tmp, cache directories present inside the server directory.

For example,

```
${middleware_home}/user_projects/domain/{domain_
name}/servers/{server_name}/cache
${middleware_home}/user_projects/domain/{domain_
name}/servers/{server_name}/tmp
```

Where {server_name} indicates all the servers that are available in the domain, such as AdminServer, Managed server (obphost_server1).

c. Then start Admin server by using the following command:

```
${middleware_home}/user_projects/domain/{domain_
name}/bin/startWeblogic.sh
```

10. Once the Admin server is up, then start the managed servers.

3.4 Verifying the Presentation Server Deployment

Before you start verifying the presentation server deployment, configure SYSUSER on OID server as per the steps mentioned in Chapter 6 User Creation in Oracle Internet Directory.

To verify successful deployment, log on to the following URL:

http://IPADDRESS:PORT/CollectionAdmin/cis.jsp

Following are the components of the URL:

Components	Description	
IPAddress	Indicates the IP address of the presentation WebLogic server.	
Port	Indicates the Presentation WebLogic managed server port number.	

Table 3–4 Verifying the Presentation Server Deployment

For example,

http://10.180.11:8001/CollectionAdmin/cis.jsp

4 External Interface Configuration

This chapter explains the OBP Collections external interface configuration details.

4.1 Oracle Identity Manager (OIM)

You can download the OIM Adapter configuration files from the following location:

http://edelivery.oracle.com

To extract the OIM Adapter configuration files, perform the following steps:

- 1. Download the appropriate OBP Collections Media Pack. The media pack is available in the following format: Collection_V[Build_Number].zip
- 2. Copy the Collection_V[Build_Number].zip into the <TEMPDIR>.
- 3. Uncompress Collection_V[Build_Number].zip by running the following commands:

```
cd <TEMPDIR>
unzip Collection_V[Build_Number].zip
(the sin file one structure dia the TEMPDIP (these The file))
```

The contents of the zip file are extracted in the TEMPDIR folder. The following files and folders are extracted:

- config.properties
- ouaf.properties
- data
- Install.sh
- collectioninstaller.jar
- collectionupgradeinstaller.jar
- 4. You can locate the OIM adapter configuration files under the following location: data/extxface/OIM/ folder. Following files are available:
 - collections_oim_export.xml
 - com.ofss.fc.extxface.oim.jar
 - com.ofss.fc.extxface.wsdl.client.jar

Note

For detailed configuration of the OIM Adapter, see the Oracle Banking Platform Collections User Provisioning Guide.

5 Installing Third-Party Software

You must install the Oracle JDK before you install the OBP Collections media packs, if not already installed on the servers.

5.1 Installing Oracle Java Development Kit (JDK)

You must install the JDK for 64-bit Linux operating system before you install presentation or host media pack.

To download, install and use JDK, follow the steps mentioned below:

1. Download the JDK file to any directory for which you have write permission. The file appears in the following format:

jdk-8u

<version>-linux-x64.bin

<version> jdk-8u101-linux-x64.bin

Note

Only the root user has the privilege to displace the system version of the Java platform that is supplied by Linux.

2. To set the execute permission, run the following command:

% chmod +x 8u <version> -linux-x64.bin

- 3. Change the directory location to the location where you want to install the files.
- 4. To execute the self-extract binary file, run the following command and then press Enter:

% ./jdk-8u <version> -linux-x64.bin

5. You must agree to the terms of the binary code license. This installs the JDK files in the following directory under the current directory: jdk.8.0_<version>

6 User Creation in Oracle Internet Directory

This chapter provides information about user creation in Oracle Internet Directory.

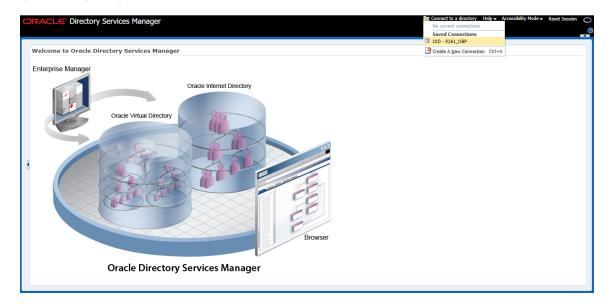
6.1 User Creation in OID

SYSUSER has to be created in Oracle Internet Directory (OID). It is used as default login into the CollectionAdmin. Follow the below steps to create a user:

1. Access the appropriate ODSM and select the required OID.

ODSM URL: <OID_IP>:7005/odsm.

Figure 6–1 Opening ODSM



2. Log in to the OID.

Figure 6–2 Log in to OID

ORACLE Directory Services Manager	Connect to a directory Help
Velcome to Oracle Directory Services Manager Enterprise Manager Oracle Internet Directory Oracle Internet Directory Oracle Virtual Directory Oracle Virtual Directory Oracle Virtual Directory Oracle Virtual Directory Oracle Virtual Directory Conect Oracle Virtual Directory Uter Name Groordatmin Passord Copright © 2009, 2015, Oracle and/or its diffiates. All rights reserved. Remover Directory Directory Conect C	Sannet to a directory Help + Accessibility Helde + Reset Session
Oracle Directory Services Manager	

 Click the Data Browser tab, in the Data tree panel navigate to Root -> dc=com -> dc-oracle -> dc=in -> cn=Users as shown in below screen. Right click on any user already present and select Create option.

Figure 6–3 Navigating to Data Browser Tab

ORACLE' Directory Services Manager		
		(C
👔 Home 隆 Data Browser 🛛 🖧 Schema 🐍 Security 🗔	Advanced	
	corc	Apply Revert
🔁 Data Tree		reprise the second
🕑 🕑 🍸 🕺 🎕 😋 Create	hed Name: cn=Users, dc=in,dc=oracle,dc=com	
Entry Create Like	y: cn=orcladmin Modified by: cn=orcladmin	
d Create Like	at: November 3, 2017 3:42:37 AM EDT Modified at: November 3, 2017 3:44:17 AM EDT	
Configure Search Filter		
Encreoracle inte Refresh Entry	Subtree Access Local Access	
Care-OracleCon Refresh SubTree Entries		Views Managed Attributes 🕶
> @ cn=OracleSch / Edit RDN > @ cn=replication Export LDIF		
	* cn users 💠 😽	
Import LDIF Marchaeler Content Conten	+ ×	
⊿ @dc=com		
A Code=oracle	tass top	
⊿ @dc=in Collapse	ordContainer	
Expand All Below	nal Attributes	
Collapse All Below	ick to manage which optional attributes are shown below.	
→ Callers →		
> 8 cn=orcladmin pwdp	policysubentry cn=default,cn=pwdPolicies,cn=Common,cn=Products,cn=OracleContext,dc=in,dc=oracle,dc=co	
o cn=PUBLIC		
b & uid=atmuser		
b d uid=developer		
d uid=obpadmin		
d uid=OfflineUser d		
3 uid=posuser		
N 8 uid=systemadmin		

Figure 6–4 Creating New Entry

ORACLE' Directory Services Mar	nager 🔤 OID - R261_089 🔛 Help 🛩 Accessibility Mode 🛩 Rese	et Session
		6
🚹 Home 🖹 Data Browser 🖁 🖧 Schema 🐍	Security 00 Create New Entry ×	
Advanced		
		Revert
😤 Data Tree	Entry Properties Mandatory Properties Status	
🔮 🔮 🍸 🔂 🌯 🥒 🖳 🏣 💥 🍇	Distinguist Choose the type of LDAP entry to create using the Object Class, then choose the parent of the entry using the browse tree.	
Entry	Created by	
⊿ 🔤 Root	Created a	
En=jpsroot		
Encircate internet directory	Attributes * Object Class Name Click on the add iron above to add a new row.	
CareOracleContext CareOracleSchemaVersion	Views Managed At	tributes 👻
Cn=Oracleschemaversion Cn=replication configuration	Parent of the entry Browse	
Configuration		
> Car=subconfigsubentry	Next Cancel	
⊿ Godc=com	Name	
⊿ @dc=oracle	objectclass top	
⊿ @dc=in	arc/Container	
Calendar Server	Optional Attributes	
Cn=Groups	Control to the second sec	
▷ Image: Description of the second secon	Lance to manage which options sealing a source and a so	
⊿ @ cn=Users	pwdpolicysubentry cn=default,cn=pwdPolicies,cn=Common,cn=Products,cn=OracleContext,dc=in,dc=oracle,dc=co	
d cn=orcladmin d cn=PUBLIC		
> 8 uid=atmuser		
> 8 uid=developer		
> 8 uid=obpadmin		
> 👌 uid=OfflineUser		
d uid=OFSSUser		
> & uid=posuser		
b di uid=qualityadmin		
d uid=systemadmin		

- 4. Create new entry in **Users** tab and add the following Object classes:
 - top
 - person
 - fcPerson
 - organisationalPerson
 - inetOrgPerson
 - orclUser
 - orclUserV2

Figure 6–5 Adding Object Classes: Top

ORACLE Directory Services Ma	anager 📷 OID - R2	C61_OBP 🔣 Help 🔻 Accessibility Mode 🔻 Reset Session 🔘
		<u> </u>
🔒 Home 隆 Data Browser 🛛 🖧 Schema 🐍	security 6d Advanced	
Advanced		
😤 Data Tree	Users	Apply Revert
🕒 🕒 🍸 🔂 🖏 🥒 📮 🖕 🕱	Distinguished Name: cn=Users, dc=ii Add Object Class ×	
Entry	Created by: cn=orcladmin	
⊿ 🔤 Root 🔺	Created at: November 3, 2017 3:42:3 Select an object class to add the object class list of the new entry.	
> Car=jpsroot	Type a keyword in the search box to Enter a keyword to search. Keyword supports pattern matching (** and ??).	
En = oracle internet directory	Attributes Subtree Access Local A	
Image: Context Ima		Views Managed Attributes -
> Calcon=OracleSchemaVersion	Result: 2 objectclass(es) found.	
Image: The second se	* cn users	
> Encr=Server Configurations	Name	
Image: Subconfigsubentry	+ X orcIDBLSAuditOption	
⊿ @dc=com	objectclass Name top	
⊿ @dc=oracle	top	
⊿ @dc=in	ordContainer	
> Calendar Server	Optional Attributes	
> Carcn=Groups	Taclick to manage which optiona	
▷ Image: Description of the second secon		
⊿ [m]cn=Users	pwdpolicysubentry cn=default.ci	
> 👌 cn=orcladmin		
> 0 cn=PUBLIC		
▷ ऄ uid=atmuser ▷ ऄ uid=developer	OK Cancel	
▷ Ĝ uid=obpadmin ▷ Ĝ uid=OfflineUser		
S uid=OffineOser S uid=OFSSUser		
S uid=OrSSUSEr S uid=posuser		
Q uid=posuser 8 uid=qualityadmin		
o uid=quaityaunin		
o uid=systemaomin		

Figure 6–6 Adding Object Classes: Person

ORACLE Directory Services M	nager	🛅 OID - R261_OBP 🐹 Help 🔻 Accessibility Mode 🔻 Reset Session 🕞
🟦 Home 🏦 Data Browser 🖁 📇 Schema	Security 60 Advanced	
Advanced		
	Users	Apply Revert
😤 Data Tree		
🛛 🕑 🍸 🔁 🌯 🦯 🖳 🔚 🗶 🍡	Distinguished Name: cn=Users, dc=ii Add Object Class ×	
Entry	Created by: cn=orcladmin Created by: cn=orcladmin Select an object class to add the object class list of the new entry.	
⊿ ☐ Root	Created at: November 3, 2017 3:42:3 Type a keyword in the search box to filter the list of objectclasses.	
Each=jpsroot	Type a keyword in the search box to filter the list or object lasses.	
Encircle internet directory	Attributes Subtree Access Local A	
Compared Context	Search person	Views Managed Attributes -
Image:	Result: 7 objectclass(es) found.	views Heinaged Adhbates +
Image:	* cn users	
En = Server Configurations	Name	
Calcon = subconfigsubentry	fcPerson	
⊿ @dc=com	objectclass Name newPilotPerson	
⊿ @dc=oracle	top orcIDXPerson	
⊿ @dc=in	orclContainer	
Calendar Server	Optional Attributes person	
Image: Comparison of Compar	residentialPerson	
Calconecontext	Laplick to manage which optiona	
⊿ Con=Users	pwdpolicysubentry cn=default.c	
	productive cn=derauit,ci	
b 👌 uid=atmuser	OK Cancel	
b did=developer		
b 👌 uid=obpadmin		
b 👌 uid=OfflineUser		
b did=OFSSUser		
b & uid=posuser		
b 👌 uid=qualityadmin		
b 👌 uid=systemadmin		

Figure 6–7 Adding Object Classes: Oracle User

ORACLE Directory Services M	anager	🔟 OID - K261_OBP 🔣 Help 🔻 ACCessibility Mode 🖝 Reset Session 🔘
🔒 Home 隆 Data Browser 🛛 🖧 Schema 🕻	Security 60 Advanced	
Advanced		
	Users	Apply Revert
😤 Data Tree		
🕒 🕑 🍸 🔁 💐 🥒 🖉 🚖 💥 🗞	Distinguished Name: cn=Users, dc=ii Add Object Class ×	
Entry	Created by: cn=orcladmin	
A Root	Created at: November 3, 2017 3:42:3 Select an object class to add the object class list of the new entry.	
> Car = jpsroot	Type a keyword in the search box to filter the list of objectclasses.	
> Caronacle internet directory	Attributes Subtree Access Local A	
> CaleContext	Search orcluser 🕖 🗱	
> 🔯 cn=OracleSchemaVersion	Result: 4 objectclass(es) found.	Views Managed Attributes 👻
Image:		
En = Server Configurations	* cn users Name	
Image: Control Cont	+ X orclUser	
⊿ @dc=com	orclUserProvStatus	
⊿ @dc=oracle	objectclass top ordUserStats	
⊿ @dc=in	orciOserv2	
Calendar Server	Optional Attributes	
Composition Com	Control According to the second secon	
Image: Context Ima	Laurck to manage which optiona	
⊿ Con=Users	pwdpolicysubentry cn=default.cr	
	productive cn=derault, ci	
b 👌 uid=atmuser	OK Cancel	
b 👌 uid=developer		
b & uid=obpadmin		
b & uid=OfflineUser		
d uid=OFSSUser d		
b & uid=posuser		
▷ 3 uid=qualityadmin		
	+ ·	

5. Select the Parent of the entry (Distinguished Name DN) by clicking the Browse button. Select the path as Root -> dc=com -> dc-oracle -> dc=in -> cn=Users

Figure 6–8 Selecting Distinguished Name

ORACLE' Directory Services Ma	anager 🔛 OLD - KZ51_OBP 🔣 H8	ip 🔻 Accessibility Mode 👻 Reset Session 🔘
🔒 Home 隆 Data Browser 🖁 Schema 👌	Security 60 Advanced	
Image: Second secon	Distinguished Name: cn=l. Select Distinguished Name (DN) Path × Created b: Create New Es	Apply Revert
GRoot Gronpsroot Gronpsroot Gronporade internet directory Gronporade internet directory Gronporade Context Gronporade Schemalyersion Gronporade Schemalyersion Gronporade Schemalyersion	Created a a Call Cost Attributes Entry Proper b cn-oracle internet directory Choose the typ b cn-oracle context Entry Proper b cn-oracle context Entry Proper b cn-oracle context	Views Managed Attributes v
 > (a)cn=Server Configurations > (a) cn=subconfigsubentry ▲ cd=coron ▲ cd=coron ▲ cd=coroide ▲ cd=coride > (a)cn=Calendar Server 	byject: v Object v	
 > Image accession > Image accession	Parent of the > @ cn=Crauges pwdpol > @ cn=Crauges cn=Crauges > @ cn=Crauges Select Cancel	
> uid-obelaptr > uid-offineUser > uid-offineUser > uid-offineUser > uid-opeuser > uid-qualityadmin > uid-opstemadmin		

6. Click the **Next** button.

Figure 6–9 Selecting Entry Properties

ORACLE' Directory Services Mar	nager			🛅 OID - R261_OBP 🔀 Help 🔻 Accessibility Mode 👻 Reset Session 🔵
	ago.			
🚹 Home 🖹 😤 Data Browser 🛛 🖧 Schema 🛛 🐍	Security 60 /	dvanced		
Advanced				
	📄 User	s		Apply Revert
😤 Data Tree				
🖻 🖻 7 🕅 🤻 🦯 🖳 🔚 🗙 🎉		ed Name: cn=Users, d	c=in,dc=oracle,dc=com	
Entry		Create New Entry		×
A BRoot	Created a			
> En cn=jpsroot				
Engenerate internet directory	Attributes	Entry Properties	Iandatory Properties Status	
CarcleContext CarcleContext CarcleSchemaVersion		Choose the type of LD/	AP entry to create using the Object Class, then choose the parent of the entry using I	the browse tree. Views Managed Attributes 👻
Construction configuration		Entry Properties		
Cn=Server Configurations		,	a %2	
Car = subconfigsubentry			+ ×	
/ Gdc=com			Name orcluser	
⊿ @dc=oracle	objectc	* Object Class	orcluser/2	
⊿ @dc=in	1	Object class	fcPerson	
> Calendar Server	Outline		inetOrgPerson	
> 📴 cn = Groups	Option		organizationalPerson	
Image: Second			person	
⊿ 🖾 cn=Users	pwdpol	Parent of the entry	cn=Users, dc=in,dc=oracle,dc=com Browse	
Characteristics of the second seco	pwapoi		_	
			N	ext Cancel
b 👌 uid=atmuser				
olicitette developer				
d uid=obpadmin d uid=OfflineUser				
> & uid=OFISUser				
> & uid=posuser				
B uid=pusisei				
> 8 uid=systemadmin				

7. Select the **Relative Distinguished Name** as **uid.** Then enter the values of cn, sn and uid as **SYSUSER.**

Figure 6–10 Selecting Mandatory Properties

ORACLE' Directory Services Ma	nager		🛅 OID - R261_OBP 🔣 Help 🔻 Accessibility Mode 🔻 Reset Session 🗲
,			
🕜 Home 🇞 Data Browser 🛛 🖧 Schema 🕹	Security 60 Advanced		
Advanced			
B Data Tree	Users 📃 Users		Apply Revert
	Platient had been as there do in the	a such da sua	
🛛 🕑 🍸 🔁 🔍 🥒 🔼 🖊 🔯	Distinguished Name: cn=Users, dc=in,dc		
Entry	Created by: cn=orcladmin	Modified by: cn=orcladmin	
A Root	Created at: November Create New Ent	try ×	
Image: Second			
Encircle internet directory	Attributes Subtree Ac		
Image: Context Cont	Entry Properties	s Mandatory Properties Status	Views Managed Attributes 🗸
Comparison Comparis			Views Managed Accounters +
Complexity Complexity Control Configuration	* co	ute which will be the RDN value for this entry and enter a value for that attribute.	
En cn=Server Configurations	Mandatory Pro	roperties	
Image: Control Cont	4	* cn SYSUSER	
⊿ @dc=com	Name		
⊿ @dc=oracle	objectclass top	* sn SYSUSER	
⊿ @dc=in	orclC	* uid SYSUSER	
Calendar Server	Optional Attrib * Relative Distin	inguished Name uid	
Contraction Contractica Con			
Image: Context Ima	Distin	inguished Name uid=SYSUSER,cn=Users, dc=in,dc=oracle,dc=com	
⊿ 🖾 cn=Users			
	pwdpolicysubentry	Back Next Cancel	
b 👌 uid=atmuser			
b 👌 uid=developer			
⊳ 👌 uid=obpadmin			
b 👌 uid=OfflineUser			
b & uid=OFSSUser			
b 👌 uid=posuser			
b 👌 uid=qualityadmin			
b 👌 uid=systemadmin			

8. Click Next. The new user is created in OID and a message appears as shown in Figure 6–11.

Figure 6–11 Status Message

ORACLE Directory Services Mar	nager 📷 OID - R261_OBP 🔣 Help 🛪 Accessibility Mode 🛪 Reset Session	0
		G
👔 Home Data Browser 🖁 🖁 Schema 🖕		
	Security W Auvenited	
Advanced	Apply Revert	
😤 Data Tree	Apply Revet	
·····································	Distinguished Name: cn=Users, dc=in,dc=oracle,dc=com	
Entry	Created by: cn=orcladmin Modified by: cn=orcladmin	
A Root	Created at: November 3, 2017 3:42:37 AM EDT Modified at: November 3, 2017 3:44:17 AM EDT	
> En = jpsroot		
>cn=oracle internet directory	Attributes Subtree Access Local Access	
> Cn=OracleContext		
> ContracteSchemaVersion	Create New Entry X Views Managed Attributes +	
Image:		
Each=Server Configurations		
Con = subconfigsubentry	Entry Properties Mandatory Properties Status	
⊿ @dc=com	a. Status	
⊿ @dc=oracle	Add Failed. Host=10.184.157.239 Details: [LDAP: error code 68 - Object already exists] Click "Back" button to specify correct values.	
⊿ @dc=in		
Calendar Server	Op Back Finish Cancel	
Image: Comparison of Compar	Op 201ck to manage which optional attributes are shown below.	
Image: Context Ima	Laborex to manage which optional activities are shown below.	
⊿ 📴 cn=Users	pwdpolicysubentry cn=default,cn=pwdPolicies,cn=Common,cn=Products,cn=OracleContext,dc=in,dc=oracle,dc=co	
> 3 cn=orcladmin	product/subering Ch=default_ch=products_ch=common, ch=Products_ch=Coffactecontext_dt=in_ut=-uracle_ut=uracle_ut=uracle_ut=uracle_ut=uracle_ut=uracle_ut=uracle_ut=uracle_ut=uracle_ut=uracle_ut=uracle_ut=uracle_ut=uracle_ut=uracle_ut=	
> å cn=PUBLIC		
b do uid=atmuser		
b did=developer		
b dia nu se		
> 👌 uid=OfflineUser		
> å uid=OFSSUser		
> 👌 uid=posuser		
b did=qualityadmin		
> 👌 uid=systemadmin 🖕		
. 8 1		

9. Select that user 'uid=SYSUSER' from the Data tree list.

Figure 6–12 Selecting the User

	ORACLE Directory Services Mar	nager				🗃 OID - R261_OBP 🐹 Help 🔻 Accessibility Mode	Reset Session
Image: Image: Image: <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>							
	🏦 Home 隆 Data Browser 🛛 📇 Schema 🛛 🌜	Security 60 Advanced					
State Tree	Advanced	•					
Casted by: cn=ordadmin Come-ocade Com-ocadeSchema/erisina Com-ocadeSchema/erisina </td <td>C Data Tree</td> <td>Sysuser</td> <td></td> <td></td> <td></td> <td></td> <td>Apply Revert</td>	C Data Tree	Sysuser					Apply Revert
Entry Modified by: cn=ordadmin Crasted by: cn=ordadmin Crasted by: cn=ordadmin Crasted by: cn=ordadmin Subtree Acces Crasted by: cn=ordadmin Sysser Sysser Sysser Sy	P P 7 80 81 / 51 4- ¥ %	Distinguished Name: uid=sys	user, cn=Users, dc=in, dc=oracle, dc=	com			
Created at: Hovember 11, 2017 4:38:39 AM EST Created at: Hovember 11, 2017 4:		Created by: cn=orcladmin	Modified by	: cn=orcladmin			
Person Attrbutes Subtree Access Local Access Image-IndexContext Im	V NIME VI						
Contract Information Contact Information	End contraction internet directory						
Contact Information Contact Information Source Studenting Contact Information Source Studenting Source Stude Studenting Source Studenting Source Studenting Sourc		Perron Attributer Subtree	Access Local Access				
Basic User Information Basic User Infor		Person Autoutes Subdee	Access Eocal Access				
Base -subconfigueerry Base Ose Information Base Ose Information <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>^</u></td>							<u>^</u>
Image: Construction User Name psysser Image: Construction psysser psysser Image: Constr		Basic User Informat	ion				
Image: Control of Contro							
Image: State Stat		User Name	systiger				
 Con-Caldadar Sarver Con-Groups Con-Groups Con-Groups Con-Groups Tite Con-Groups Contact Information Contact Information Contact Address <							
I Glon-Groups I Lak Name System > Glon-Groups I Lak Name System > Glon-Groups I Lak Name I Lak Name > Glon-Groups SystemBarder.com SystemBarder.com > Glud=Offsuber Upload Photo Choose File No File chosen St > Glud=Offsuber Contact Information St I Lak Name I Lak Name > Glud=Glones/Harder Postal Address Telephone Number I Lak Name > Glud=Gloses/Harder Mone Postal Address Mobile I Lak Name		First Name	sysuser				
> IBion-OrackContect Title > IBion-OrackContect Manager > I Idi-adviss Manager > I Idi-advision Employee Number > I Idi-advisor System@oracle.com > I Idi-advisor Itile Initial Address		Last Name	sysuser				
I udi-a-Uses Manager I udi-a-Uses Imager I udi-a-Uses Employee Number I udi-a-Strategori Employee Number I udi-a-Strategori Upload Photo I udi-a-Strategori Information I udi-a-strategori Postal Address I udi-a-strategori Model		Title					
[©] Grue-Coldemin [©] Chaose File [©] Grue-Coldemin [©] Contact Information [©] Grue-Systemedmin [©] Contact Address [©] Grue-Systemedmin [©] Costal Address [©] Grue-Systemedmin [©] Costal Address							
> g cn=PUBLIC Entitle for the formation > g cut=drawser Email Address > g cut=drawser Upload Photo > g cut=drawser Chacker File > g cut=drawser Chacker File > g cut=drawser Contact Information > g cut=posuser Telephone Number > g cut=arrowser Model		-					
> 0 uid=struiter Email Address puid=Gevaged > 0 uid=ordspadmin Upload Photo Choose File No file choose > 0 uid=Ordspadmin Contact Information % > 0 uid=ordspadmin Postal Address Telephone Number > 0 uid=ordspater Mole		Employee Number					
> 0 uid-developer > 0 uid-objadmin > 0 uid-objadmin > 0 uid-offsuber > 0 uid-opsuber		Email Address	sysuser@oracle.com				
> 0 uid=ophadmin > 0 uid=officie/ser > 0 uid=officie/ser > 0 uid=opsisuer > 0 uid=opsisuer		United States					
> g uid=OfflineUser Contact Information > g uid=OrSSUeer Contact Information > g uid=outlytedmin Postal Address > g uid=outlytedmin Postal Address > g uid=outlytedmin Home Postal Address > g uid=outle=psueer Hobile		Upload Photo	Choose File No file chosen	24			
> 0 uid=Possuer > 0 uid=posser							
> 0 uid=posser > 0 uid=qualitydmin > 0 uid=qstemadmin > 0 uid=qstemadmin Home Postal Address Telephone Number > 0 uid=qstemadmin		Contact Information					
G uid=qualityadmin Postal Address Telephone Number J uid=qualityadmin Home Postal Address Mobile							
3 uid=systemadmin 3 uid=systemadmin Home Postal Address Mobile		Destal Address			Talashasa Nushas		
> d uid=sysuser Mome Postal Address Mobile							
		Home Postal Address			Mobile		-

10. Click the Attributes tab, and then click the Add symbol under Optional Attributes section.

Figure 6–13 Attributes Tab

ORACLE Directory Services Manager	UID - K261_OBP 🐹 Help 🔻 Accessibility Mode 🖝 Reset Session 💋
	G
🟦 Home 隆 Data Browser 😤 Schema 🖧 Security 🚧 Advanced	
Sysuser	Apply Revert
😵 Data Tree	Appy Rever
🕑 🕐 🍞 🍓 🧤 🥖 🖏 놓 Distinguished Name: uid=sysuser,cn=Users,dc=in,dc=oracle,dc=com	
Entry Created by: cn=orcladmin Modified by: cn=orcladmin	
Created at: November 11, 2017 4:19:00 AM EST Modified at: November 11, 2017 4:38:39 AM EST	
> idic=OracleContext	
Control C	
> Careplication configuration	Views Managed Attributes -
> EnceServer Configurations	
> 🖾 cn=subconfigsubentry * cn sysuser 🐥 🛠	
⊿ @dc=com	
⊿ @dc=oracle *sn sysuser + X	
⊿ @dc=in + *	
> Carcheloar Server	
> care croups	
Image = Oracle Context objectclass person	
A Cacheline Contract of Contra	
> 👌 cn=orcladmin organizationalPerson	
b 3 cn=PUBLIC inetOrgPerson	
d uid=atmuser Optional Attributes	
d uid=OffineUser	
d uid=OFSSUser	
> 3 uid=posuser	
d uld=qualityadmin	
G uid=systemadmin	•
B uid=sysuser B uid=weblogic	Ť
p 🖉 ulu=webiogic 💌	

11. Click on Add button under Optional Attributes and add the 'userPassword' attribute from the All Attribute list and click the Add Attribute button.

Figure 6–14 Adding User Password

A Home 12 Data Browser 2 Schema Image: State State State Image: State State State Image: State State State Advanced Image: State State State Image: State State Image: State State Image: State State Image: State State State Image: State State Image: State State Image: State State Image: State State Image: State State Image: State State Image: State State Image: State State Image: State State Image: State State Image: State State Image: State State Image: State Image: State Image: State Image: State Image: State Image: State Image: State	Security Dd Advanced Advanced Advanced	Apply Revert
	Person Attributes * cn sysuer * cn sysuer * sn sysuer * sn sysuer * sn sysuer * with ane attributes * sn sysuer * with ane social control contro control control control control control control control	Views Managed Attributes -
> 3 uid-developer > 3 uid-developer > 3 uid-Ochshadnin > 3 uid-Offsülser > 3 uid-opsuser > 3 uid-opsuser	Optional Attributes Calc to manage which optional attributes are shown below. accessibleBusinessUnits OBP_BU businessUnit OBP_BU bu	

12. Enter the value in the **userPassword** field and click the **Apply** button in right hand corner.

Figure 6–15 Setting User Password

ORACLE' Directory Services M	anager	UID - K261_OBP 🐹 Help 🔻 Accessibility Mode 🔻 Reset Session 💽
🔒 Home 🇞 Data Browser 🛛 📇 Schema 🕻	security 60 Advanced	
Advanced		
	Sysuser	Apply Revert
🔁 Data Tree		
🕒 🕒 🦷 🏨 🔍 🖉 🖕 🗙 🍡	Distinguished Name: uid=sysuser,cn=Users,dc=in,dc=oracle,dc=com	
Entry	Created by: cn=orcladmin Modified by: cn=orcladmin	
Encode internet directory	Created at: November 11, 2017 4:19:00 AM EST Modified at: November 11, 2017 4:38:39 AM EST	
> Care-OracleContext		
CareOracleSchemaVersion	Person Attributes Subtree Access Local Access	
Calcon=replication configuration		Views Managed Attributes -
En=Server Configurations		Views Hanagea Heribaces +
Car = subconfigsubentry	* cn sysuser 📥 💥	<u></u>
⊿ @dc=com		
⊿ @dc=oracle	* sn sysuser 💠 💥	
⊿ @dc=in	B 00	
Calendar Server		
Composition Com	Name top	
cn=OracleContext	objectclass person	
⊿ 🖾 cn=Users	fcPerson	
b 👌 cn=orcladmin	organizationalPerson	
b 👌 cn=PUBLIC	inetOrgPerson 👻	
b 👌 uid=atmuser	Optional Attributes	
b did=developer		
b 👌 uid=obpadmin	GC lick to manage which optional attributes are shown below.	
> å uid=OfflineUser		
d uid=OFSSUser	uid sysuser 🕂 🐥 %	
> 3 uid=posuser	userPassword	
d uid=qualityadmin		
o di uid=systemadmin		
> 3 uid=sysuser		×
b d uid=weblogic		

The confirmation message appears as "Changes have been applied successfully." as shown in Figure 6–16.

Figure 6–16 Confirm Message

ORACLE Directory Services	s Manager ■ OID - R251_OBP M Help → Accessibility Mode	 Reset Session
		-
👔 Home 🎦 Data Browser 🛛 🖧 Schema	So Advanced	/
Q Q Advanced Image: Second state Image: Second state Image: Second state Image: Second state Image: Second state Image: Second state	d 👌 sysuser	Apply Revert
	National Advances of a second to be a second to be	
🛛 🕑 🏹 🝓 🍭 🦯 🛋 🛣 🍇		<u></u>
Entry	Created by: cn=orcladmin Modified by: cn=orcladmin	
Construction of the sector	Created at: November 11, 2017 4:19:00 AM EST Modified at: November 11, 2017 4:38:39 AM EST	
> CaracleContext	Confirmation	~
Compared Comparison		^
Image:	Changes have been applied successfully.	*
En = Server Configurations		
Image:	Person Attributes Subtree Access Local Access	
⊿ @dc=com	Viewer Ma	naged Attributes 👻
⊿ @dc=oracle	Views Hou	ingen Annoutes -
⊿ @dc=in	* cn sysuser 🔶 🙀	<u> </u>
Calendar Server		
Composition Com	* sn sysuser 👍 💥	
Image:		
⊿ an=Users	+ %	
	Name	
b b cn=PUBLIC	top A	
b did=atmuser	oujectos person fcPerson	
b did=developer	organizationalPerson	
b 👌 uid=obpadmin	inetOrgPerson v	
b 👌 uid=OfflineUser		
b d uid=OFSSUser	Optional Attributes	
b 👌 uid=posuser	Tablick to manage which optional attributes are shown below.	
b 👌 uid=qualityadmin		
b 👌 uid=systemadmin	uid sysuser 💠 🛪	
> 👌 uid=sysuser		-
N 8 uid-weblonic		

13. Once user is created, add it into **Administrator group**. Navigate in Data tree as Root -> dc=com -> dc-oracle -> dc=in -> cn=Groups.

Figure 6–17 Adding to Administrator Group

ORACLE' Directory Services M	lana	aer	🤠 OID - R261_OBP 🐹 Help 🕶 Accessibility Mode 🕶 Reset Session 🕧
		5	
🏠 Home 🏾 😤 Data Browser 🛛 🖧 Schema 🛛 🧯	🖕 Se	curity 60 Advanced	
Advanced			
		🔠 Administra	Apply Revert
😤 Data Tree		0000	
🕒 🕒 🍸 🔞 🔍 🦯 📼 🖕 🕱		Distinguished Nam	ne: cn=Administrators,cn=Groups,dc=in,dc=oracle,dc=com
Entry		Created by: cn=or	rdadmin Modified by: cn=orcladmin
⊿ 📴 Root	*	Created at: Noven	nber 3, 2017 3:45:51 AM EDT Modified at: November 11, 2017 4:19:32 AM EST
> 🔄 cn=jpsroot			
> internet directory		Group Attributes	Subtree Access Local Access
CC Context			
Calcological Control Contro			
Complexity in the second se		Display Name	Administrators
Email: Email Em			
Comparison Configuration Co			+ ×
⊿ @dc=com			Owner Name
⊿ @dc=oracle		Owner	cn=orcladmin,cn=Users,dc=in,dc=oracle,dc=com
⊿ @dc=in		Owner	
Calendar Server			
⊿ 🔄 cn=Groups			
Characteristics			
> @_cn=ATM_Role		Description	Group of Administrators 🛛 💠 💥
> the company of the company. The company of the co			* X
Gig cn=Individual-Broker Gig cn=Individual-Introducer			Member Name
Gone Individual-Introducer Gane OCS PORTAL USERS			
> Careous_PORTAL_USERS		Members	uid=obpadmin, cn=users, dc=in, dc=oracle, dc=com
> Charles of the second			uid=ofssuser,cn=users,dc=in,dc=oracle,dc=com
> Care-Organisation-Dioker			uid=sysuser, cn=users, dc=in, dc=oracle, dc=com
> @cn=POS_Role			uid-uushlasir.co-usara.de-ia.de-esan
> Concentration			
> Construction > Cons			
	•		

14. Click the **Attributes** tab and click the **Add** button in 'uniqueMember' table. Add the below entry into it. uid=SYSUSER,cn=users,dc=in,dc=oracle,dc=com

Figure 6–18 Attributes Tab

ORACLE Directory Services M	1ana	ader		🛅 OID - R261_OBP 🔣 Help 🔻 Accessibility Mode 💌 Reset Session 🗲
🟦 Home 隆 Data Browser 🛛 🖧 Schema 🔇	8 0			
The Home B Data Browser as Schema 1	<u>ک</u> دو	ecurity OO Advanced		
Advanced		🛞 Administra	ors	Apply Revert
🐮 Data Tree		Jun		
🕒 🕑 🍸 🝓 🌯 🦯 🖾 🖕 🗞		Distinguished Name	: cn=Administrators,cn=Groups,dc=in,dc=oracle,dc=com	
Entry		Created by: cn=ord	admin Modified by: cn=orcladmin	
⊿ ⊠Root	*	Created at: Novem	er 3, 2017 3:45:51 AM EDT Modified at: November 11, 2017 4:19:32 AM EST	
> En = ipsroot				
Encertain contraction of the sector of th		Group Attributes	Subtree Access Local Access	
> Carcn=OracleContext				
Email: Email of the second				Views Managed Attributes 🕶
Calcon=replication configuration		Colick to man	age which optional attributes are shown below.	^
En = Server Configurations				
Image:		description	Group of Administrators 🛛 💠 💥	
⊿ @dc=com		displayName	Administrators	
⊿ @dc=oracle		displayivame	Administrators	
⊿ @dc=in			+ ×	
Calendar Server			Owner Name	
Image: Comparison of Compar			cn=orcladmin,cn=Users,dc=in,dc=oracle,dc=com	
b 🐯 cn=Administrators		owner		
b the second				
b the contract of the contr				
b 🐯 cn = Individual-Broker				
Market State St			4 X	
b b b b cn=OCS_PORTAL_USERS b cn=OCS			Member Name	
b Control C			uid=sysuser.cn=users.dc=in.dc=oracle.dc=com	
D Constant State C		uniqueMember	uid=sysuser.co=users.dc=in.dc=oracle.dc=com	
D Companisation - Introducer			uid=obpadmin, cn=users, dc=in, dc=oracle, dc=com	
> the cn=POS_Role			uid=ofssuser,cn=users,dc=in,dc=oracle,dc=com	
QualityAdministrator			uid-cururat co-unatt de-in de-acada de-com	*
	+			

15. Click the **Apply** button. The confirmation message appears as "Changes have been applied successfully."

Figure 6–19 Confirmation message

ORACLE Directory Services Ma	lanager 🔟 🔟 -	R261_OBP 📓 Help 🛛 Accessibility Mode 👻 Reset Session 🔘
, ·		G
👔 Home 🎘 Data Browser 🛛 🖧 Schema 🔒	Country Add Advanced	
Thome C Data prowser as schema to	Security OO Advanced	
Advanced	🖁 sysuser	Apply Revert
සි Data Tree	ur ·	
🕒 🕑 7 🔞 🔍 🖊 🖳 🖕 🗞	Distinguished Name: uid=sysuser,cn=Users,dc=in,dc=oracle,dc=com	*
Entry	Created by: cn=orcladmin Modified by: cn=orcladmin	
Construction of the second secon	Created at: November 11, 2017 4:19:00 AM EST Modified at: November 11, 2017 4:38:39 AM EST	
> Cache oracle internet directory		
Cach=OracleSchemaVersion	Confirmation	×
> Carreplication configuration	Changes have been applied successfully.	*
Constructions		▶
Image: mage: ma	Person Attributes Subtree Access Local Access	
⊿ @dc=com		Views Managed Attributes -
⊿ @dc=oracle		viens rionages richardes -
⊿ @dc=in	* cn sysuser 🛶 💥	
Calendar Server		
Calcon=Groups	* sn sysuser 🕂 🙀	
Carcing Context	+ ×	
⊿ Gan=Users	Name	
b 👌 cn=orcladmin	top	
O cn=PUBLIC	objectclass person	
b did=atmuser	fcPerson	
> 3 uid=developer	organizationalPerson	
> 👌 uid=obpadmin	inetOrgPerson 👻	
b did=OfflineUser	Optional Attributes	
d uid=OFSSUser		
b d uid=posuser	ick to manage which optional attributes are shown below.	
b dia uid=qualityadmin		
o uid=systemadmin	uid sysuser 💠 🕷	
> 8 uid=sysuser		Ŧ

16. Run the following query to ensure that Collection Dashboard is shown as the default page after logging in.

```
update flx_fw_config_all_b set prop_value='Role' where prop_
id='collection.roles' and CATEGORY_ID='BROPConfig';
```

where **Role** = configured user role in step 14.

7 Threadpool Configuration

This chapter provides information about threadpool configuration.

7.1 Manage Requisite Files in lib

To manage the requisite files in lib:

1. Go to Putty and change directories to the server/lib directory.

../app/product/fmw/wlserver/server/lib

2. Use the following command to create wlfullclient.jar in the server/lib directory:

java -jar wljarbuilder.jar

Figure 7–1 Command to Create wlfullclient.jar



- 3. Copy the generated wlfullclient.jar to path:
 - ../obpinstall/obp/collectionenv/standalone/lib/ext/
- 4. Copy dms.jar to path ../obpinstall/obp/collectionenv/standalone/lib/ext from

../app/product/fmw/oracle_common/modules/oracle.dms/

5. Copy ojdl.jar to path ../obpinstall/obp/collectionenv/standalone/lib/ext from

.. app/product/fmw/oracle_common/modules/oracle.odl/

6. Add below properties to setDomainEnv.sh if not present.

WLS_JDBC_REMOTE_ENABLED="-Dweblogic.jdbc.remoteEnabled=true" export WLS_JDBC_REMOTE_ENABLED

 In ThreadpoolEnv.sh file at ../obpinstall/obp/collectionenv/standalone/lib, verify that the following properties are according to the environment:

export JAVA_HOME=/scratch/app/product/jdk1.7.0_67/jre export SPLEBASE..../product/fmw/obpinstall/obp/collectionenv export OBPBASE=..../product/fmw/obpinstall/obp export com_ofss_standlone_executor_filterId=XXXXXX

#specify com_ofss_standlone_executor_filterId property if there is any filter defined.

#Check from FLX_RL_FILTER_TEXTS TABLE in DB for filter defined.

- 8. Verify threadpoolworker.properties.
 - To modify threadpoolworker.properties:
 - a. Go to the path:
 - ../obpinstall/obp/collectionenv/standalone/config/threadpoolworker.properties
 - b. Verify the rmi_port and Server Name--

com.splwg.grid.distThreadPool.threads.ThreadPool_Name=<Maximum Thread count> spl.runtime.management.rmi.port=<rmi_port>

spl.runtime.management.connector.url.default=service:jmx:rmi:///jndi/rmi://< server-

name>:<rmi_port>/spl/fw/jmxConnector

Where:

rmi_port= RMI port used for JMX. To manage each instance of the pool an unique port number should be used.

server-name = host server IP

For Example:

com.splwg.grid.distThreadPool.threads.STANDALONE_TP=40

spl.runtime.management.rmi.port=9999

spl.runtime.management.connector.url.default=service:jmx:rmi:///jndi/rmi://XX.XX.XX. XX:

9999/spl/fw/jmxConnector

XX.XX.XX.XX= host IP

Figure 7–2 Standalone lib

Name Ext	Size	Changed	Rights	Owner
💑		3/18/2016 6:52:21 PM	TWXT-XT-X	ofssobp
⇒ wlfullclient.jar	53,718 KiB	1/29/2016 2:16:42 PM	FWXF-XF-X	ofssobp
⊇ dms.jar	1,603 KiB	1/25/2016 3:17:51 PM	rwxr-xr-x	ofssobp
⇒ ojdl.jar	192 KiB	12/30/2015 12:16:49 PM	rwxr-xr-x	ofssobp

7.2 Recommendations for Threadpool Memory Configuration

Consider setting the Threadpool JVM memory arguments as mentioned below. This needs to be modified in **threadpoolworker.sh**

```
MEM_ARGS="-Xms4096m-Xmx8192m -XX:MaxPermSize=1024m -XX:+UseParallelGC - XX:ParallelGCThreads=16"
```

7.3 Start Threadpoolworker

To start the threadpool worker:

- 1. Open the putty and go to/obpinstall/obp/collectionenv/standalone/bin
- 2. Run the command:
 - ../threadpoolworker.sh
 - Logs related to threadpool are generated as threadpoolworker.2017XXX.XXX.log and ThreadPool.log along with collection.log and specific Batch related logs will be generated at:

../fmw/obpinstall/obp/fclogs/logs

Logs of OBP related to ThreadPool will be generated at:

.../fmw/obpinstall/obp/fclogs/logs/standalone/obp/logs

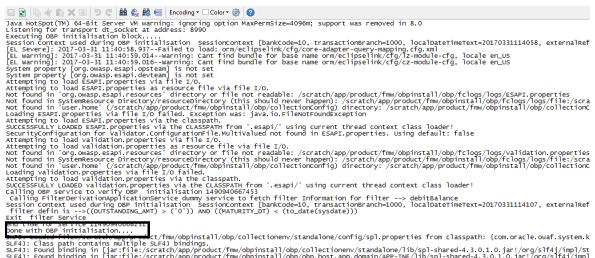
(Use root collection log path in place of .../fmw/obpinstall/obp/fclogs)

7.4 Verification

To verify OBP context is successfully up:

1. Check threadpoolworker.2017XXX.XXX.log and search for Done with OBP initialisation.

Figure 7–3 ThreadPool Worker Log



- Done with opp initialisation... Method File Construction and the structure of the state of the structure of
- 2. If filter is configured in ThreadpoolEnv.sh, with com ofss standlone executor filterId property then check filter logs for verification.

Figure 7–4 Executing OBP Initialisation Block



To verify whether the Threadpoolworker has started successfully:

1. Check for connection to:

service:jmx:rmi:///jndi/rmi://<server-name>:<rmi_port>/spl/fw/jmxConnector

By using any VM tool (For example, jconsole).

Note

Ensure this poolname is same as what is mentioned in threadpoolworker.properties (as com.splwg.grid.distThreadPool.threads.STANDALONE_TP=40) and also in jconsole.

	Help		- 8			
verview, Memory, Threads	Classes VM Summary	MBeans				
MImplementation	Attribute value					
-] spl.fw	Name		Value			
🖻 🧐 GridNode	Info		-8000:0. SCHEDULER DAEMON THREAD POOL:: STANDALONE TP:4			
Attributes		Refresh				
Operations		Refresh				
	MBeanAttributeInfo	MBeanAttributeInfo				
	Name	Value				
	Attribute:					
	Name	Info				
	Description	Attribute exposed for m	nanagement			
	Readable	true				
	Writable	false				
		Is false				
	Type	java.lang.String				
	Descriptor					
	Descriptor Name	Yalue				
		Value				
		Value				
		Value				
		Value				
		Value				
		Value				
		Value				
		Value				
		Value				
		Value				
		Value				
		Value				

Figure 7–5 Verify Threadpool Worker: Check Connection

2. Search for the following text with latest time stamp in ThreadPool.log:

2017-03-24 16:15:51,381 [main] INFO (grid.node.DistributedGridNode) Distributed node 7621b973d7669cd8:3cdc534f:15affeb62a5:-7ff6 joined grid

3. Verify that the following properties are present in <INSTALLATION_DIR>/ collectionenv/standalone/bin/spl.properties.

If HOST OS is Linux export SERVER_ROLE_BATCH=true export OBPBASE=<INSTALLATION DIR PATH> If Host OS is Windows set SERVER_ROLE_BATCH=true set OBPBASE=<INSTALLATION DIR PATH>

7.5 Submit the Batch

Run the CSMB and CASETRAN batch with Thread pool name specified in **threadpoolworker.properties** (as com.splwg.grid.distThreadPool.threads.STANDALONE_TP=40)

by using -p

For example:

./submitjob.sh -b CASETRAN -t 0 -c 8 -p STANDALONE_TP

Where:

-c - No. of threads

-t - Thread Number

-p - ThreadPool Name

Figure 7–6 Submit the Batch

ý Connection Window Help					
Charlens, Menoy, Threads, Cleans, McLumary, M	anan teor trait class transmit				
18 🔒 Minplementation	Meananto				
ili - 🍶 apl. Se	Tane	Take			
G 🐵 Setch Tread, CASE RAIN, 30, 57, 40,85	Enfo:	_			
Attributes	Chactione	pl.hcsprigs-best/Tread_CASTRAN_pl.pl. pl. 40.85			
E Operations	Catoliane	con policy bear support with management Active/IdeBethThread			
BablyTiveal_CASETRAD_11_0/_40.73	Description	Information on the management interface of the Please			
Image: A contrast of the second se	Canaly using -O				
G @ BetchThread_CASETRAH_13_of_40.406	Plane	con uping base support listsh management Active/Libritistshiftwaat			
BetchThread_CASETRAH_14_pf_40.460	Desciption	Public constructor of the Milleon			
BetchToread_CASETRAN_11_pf_40.84	Parameter-8-0:				
Bablyfiveal_CASETRAN_28_of_40.407	Hane				
iii iii Bath/fivead_CAllETKINI_17_of_40.412	Description				
 BathThread_CASETRAN_10_pf_40.409 BathThread_CASETRAN_10_pf_40.421 	Type	con aplog hase an bards tubreconverters			
	Parameter-0-02				
 BetchThread_CASETRAIL_1_d_40.82 BetchThread_CASETRAIL_20_4f_40.420 	Fiame	62			
 Backfrived CASETURI, 20 37 40.428 Backfrived CASETURI, 21 37 40.428 	Description				
iii - Batchillyad CASERAN 22 of 40.104	Tree	com aplug have support context. The endloced/Surage			
G G BetchTweet, CASETRAN, 25, of .40,417					
BetchTweet_CASETRAL_24_pt_40.422					
Behirfweel_CASETLAL_21_x6_40.108					
Bablytiveal CASETARI 28 of 40.76					
8-9 Batchfored_CALETINEL 27 of -0.70					
G BetchThread_CASETRAH_30_of_40.410					
BethTreat_CASETRAIL29.pf./0.408					
BetchToreal_CASETBAR_3_ed_40.402					
In the Basis/Thread CAUETRADI, 30 of 40.415					
Bathfried CARTAR 31 of 40.85					
B tetch/hvead CASETRAH 32 of 40.425					
G - (9 SetchThread, CASETRAN, 33, of .40, 455	Descriptor				
Bebh/Ivead_CASETURI_34_s4_40.400		24-			
Babirthread CAUFFLIN, 31 of 40.403	Name	Note			
is its mathrivest countries to of 40.405	info:				
iii - III Install Press CASETRAN 37 of 40.06	immutable3-As	he construction of the con			
G @ BetchThread_CASETRAH_38_of_40.419	interfaceClassName	con splug base support facilit management facilite Cabilitati /Tiread Pitese			
BetchTread_CASETRAN_39_pf_40.413	mbean	fular			
Behilfhread, CASETRAN, 3 pd, 40.411					
Bashiriyead_CASETRAN_40_67_40.403					
Bath/Invad CAlETRAN 4 of 40.81					
G @ BetchThread CASETRAN 5 of 40.414					
BetchTread_CASETRAH_6_of_40.80					
Behnfilveni, CASETRAN, 7, pl, 40, 424					
🛞 🥮 Bashiriwaal, CASETRAN, J. of 40.404					
Bast/Thread CALETRIAN 8 of 40.401					
📾 🐵 Gridhiode					
	-				

7.6 Stop Threadpoolworker

jmxbatchclient.sh: This script will wrap the JMXCommandLineClient java class so that it can be executed just like any operating scripts. The only option required is the JMX URL to connect. By default, it will only display information. For example, supplying only the required JMX connection information would result in as follows:

```
Options: -j
service:jmx:rmi:///jndi/rmi://myserver:9999/spl/fw/jmxConnector
Connecting to
service:jmx:rmi:///jndi/rmi://myserver:9999/spl/fw/jmxConnector
ActiveGridNode
threadPools=[DEFAULT:5, SCHEDULER_DAEMON_THREAD_POOL:1, LOCAL_
THREAD_POOL:b9835d11f15fd71b:1df6824f:120011dc94e:-8000:0]
BatchThread_ZZQABAT2_1_of_1.36
```

This shows that the thread pools defined, separated by commas, and that there is currently an active batch thread.

7.7 Command-Line Options

The following options can be specified when executing script jmxbatchclient.usage:

```
com.splwg.base.api.batch.JMXCommandLineClient
-h Show this usage information.
-j <JMX URL> The JMX URL to connect to.
-d display details
-k Kill threadpool worker.
-s Display summary
```

Show usage (-h)

Display the available options and their descriptions.

Show usage (-j)

Required. Specify the JMX URL to connect to. This should match the spl.runtime.management.connector.url.default property specified in the threadpoolworker.properties.

jmxbatchclient.sh -j service:jmx:rmi:///jndi/rmi://myserver:9999/spl/fw/jmxConnector

Display details (-d)

Display the details of the currently active threads.

```
Options: -j
service:jmx:rmi:///jndi/rmi://myserver:9999/spl/fw/jmxConnector -d
Connecting to
service:jmx:rmi:///jndi/rmi://myserver:9999/spl/fw/jmxConnector
ActiveGridNode
threadPools=[FJOCSON-US:5, SCHEDULER DAEMON THREAD POOL:1, LOCAL
THREAD POOL:b9835d11f15fd71b:1df6824f:120011dc94e:-8000:0]
BatchThread ZZQABAT2 1 of 1.36
ElapsedTime = 0 yrs. 0 days 00:00:20
BatchCd = ZZQABAT2
ThreadCount = 1
ThreadNumber = 1
RerunNumber = 0
ProcessDate = 2009-03-13
MaximumCommitRecords = 200
MaximumTimeoutMinutes = 0
UserId = SYSUSER
LanguageCd = ENG
SoftParameters = []
MaxExecutionAttempts = 1
DateTimeStarted = 2009-03-13-11.54.02
DistThreadPool = FJOCSON-US
BatchNumber = 4
```

Status = Running
ProgramType = Java
ProgramName = com.splwg.cm.domain.qa.batch.QaBatch2
RunType = New Run

Kill threadpoolworker (-k)

Specifying this option will result in the cancellation of all currently running threads and the stoppage of the threadpoolworker process.

After successful stoppage of threadpoolworker message will be displayed on command line as:

"Successfully stopped threadpoolworker..."

"Distributed Grid stopped successfully"

Display summary (-s)

Display the summary of the currently active threads is a listing format.

```
Options: -j
service:jmx:rmi:///jndi/rmi://myserver:9999/spl/fw/jmxConnector -s
Connecting to service:jmx:rmi:///jndi/rmi://fjocson-
us:9999/spl/fw/jmxConnector
ActiveGridNode
threadPools=[FJOCSON-US:5, SCHEDULER_DAEMON_THREAD_POOL:1, LOCAL_
THREAD_POOL:b9835d11f15fd71b:-60bf2fc1:120115996cc:-8000:0]
JMX Id DistThreadPool BatchNumber
DatTimeStarted ElapsedTime
```

BatchThread_ZZQABAT1_1_of_1.29 FJOCSON-US 32 2009-03-16-17.07.29 0 yrs. 0 days 00:03:49

7.8 List of Batches to be Run on Standalone Threadpool or Weblogic

The following table refers to the list of batches to be run on standalone threadpool:

#	Batch	Batch Code
1	Update Entity	C1-UPENT
2	Delinquency Identification	C1-DELID
3	Move Delinquent Accounts to RMB Feeder Tables	C1-MVDEL
4	Validate Incoming Data from Host	C1-VALFD
5	Create Entity	C1-CRENT
6	Increment DPD	C1-INCDP
7	Derived Fields	C1-DRFLD
8	Suspend Activity Monitor	C1-SUSMN

Table 7–1 List of Batches to be Run on Standalone Threadpool

#	Batch	Batch Code
9	Bulk Contact Creation	C1-BLKCC
10	Contact Processing	C1-CNTPR
11	Strategy Monitor	C1-CSMB
12	Case Life Cycle Tracking	CASETRAN
13	Queue Allocation Monitor	C1-ALOCM
14	Display Priority Monitor	C1-PRMON
15	User Allocation Monitor	C1-USALC
16	Treatment Activity Monitor	C1-TRMON
17	Dialer and IVR (O/B Robot) Extracts	C1-DIEXT
18	Batch to unlock cases	C1-CSCL
19	ToDo Creation for Locked cases	C1-CSTD
20	PTP Tracking	C1-PTPM
21	Collection Statistics	C1-COLST

The following table refers to the list of batches to be run on weblogic:

Table 7–2 List of Batches to be Run on Weblogic

#	Batch	Batch Code
1	Payment Handling	C1-FDPAY
2	Event Manager	C1-EVENT
3	Dialer Results Upload	C1-DLRRS
4	Vendor/ Agency Upload Batch	C1-VNDUP
5	Cure Monitor	C1-FINCO
6	Write-off Monitor/ Account abandon monitor	WRITEOFF