Oracle Banking APIs

Installation Guide Release 19.2.0.0.0

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1. Preface

1.1 Intended Audience

This document is intended for the following audience:

- Customers
- Partners

1.2 Documentation Accessibility

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

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http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs_if you are hearing impaired.

1.4 Structure

This manual is organized into the following categories:

Preface gives information on the intended audience. It also describes the overall structure of the User Manual.

The subsequent chapters cover following:

- Introduction
- Prerequisites
- Installation
- Post Installation Steps
- Product Verification
- Multi-Entity Installation and configuration
- Best Practice
- Troubleshoot Overview

1.5 Related Information Sources

For more information on Oracle Banking APIs Release 19.2.0.0.0, refer to the following documents:

- Oracle Banking APIs Licensing Guide
- Oracle Banking APIs Installer Pre-Requisite Setup Manual
- Oracle Banking APIs Origination Social Media Integration
- Oracle Banking APIs OHS User Interface Configuration
- Oracle Banking APIs Chatbot Configuration
- Oracle Banking APIs Mobile Application Builder-Android

- Oracle Banking APIs Mobile Application Builder-iOS
- Oracle Banking APIs Security Guide
- Oracle Banking APIs System Configuration
- User Manual Oracle Banking APIs Core
- Oracle Banking APIs File Upload Report Configuration

2. Introduction

2.1 Purpose of the Document

The purpose of the OBAPI Installation Manual is to provide a step by step overview on the installation process of the solution.

It includes:

- Reference to prerequisites software installation required for OBAPI & OBDX installer
- Setup of OBAPI with Oracle's own Core Banking and Origination Products along with Thirdparty HOST system.
- Running the installation in silent mode
- Advanced Configurations (Post installation)
- Installation Verification
- Multi-Entity Installation and configuration
- Best Practice
- Troubleshoot Overview

Home

3. Prerequisites

OBAPI pre-requisite software should be installed and available before proceeding.

For OBAPI pre-requisite software setup refers document "Oracle Banking Digital Experience Installer Pre-Requisite Setup Manual" mentioned in section 1.5 Related Information Sources.

Installer Pre-requisite verification

Post installation of OBAPI Installer prerequisite software's, verification can be done using below steps.

Note: Verification should be performed on Server where Oracle Weblogic is locally installed and by OS user (which is owner for Oracle Weblogic home directory) for non-root steps. The same user will be used to execute installer.

Oracle Instant client

Step 1: Login using root user.

Step 2: Run below command to verify if Oracle Instant client is installed.

rpm -qa | grep oracle

[root@ /]# rpm -qa grep oracle	
oraclelinux-developer-release-e17-1.0-4.e17.x86_64	
oraclelinux-release-7.5-1.0.3.el7.x86_64	
oracle-logos-70.0.3-4.0.7.el7.noarch	
<pre>oraclelinux-release-el7-1.0-8.el7.x86_64</pre>	
oracle-softwarecollection-release-e17-1.0-2.e17.x86 64	
oracle-instantclient18.3-basic-18.3.0.0.0-2.x86_64	

Note: Above package verification command is specific to Oracle Linux and RHEL distributions only. For other Linux distributions or OS please refer to OS specific package manager documentation.

Python 2.7:

Step 1: Execute python -V command

python -V

[devops	s @	/]\$	python	-V
Python	2.7.5			

Note: Ensure Python 2.7.5 supported version is installed. Above command should reflect the same.

cx_Oracle & Urwid:

Step 1: Execute python command

python

Note: Ensure Python 2.7.5 version should be available in PATH variable. Above execution should be done using Python 2.7.5.

Step 2: Import Urwid and check version

import urwid (Press Enter)

urwid.__version__

If version is displayed, then Urwid is installed and available for use.

Note: Ensure Urwid 1.3.1 supported version is installed. Above command should reflect the same.

Step 3: Similarly import cx_Oracle and check version

import cx_Oracle (Press Enter)
cx_Oracle.version

```
[devops@ /]$ python
Python 2.7.5 (default, Apr 11 2018, 17:41:36)
[GCC 4.8.5 20150623 (Red Hat 4.8.5-28.0.1)] on linux2
Type "help", "copyright", "credits" or "license" for more information.
>>> import cx_Oracle
>>> cx_Oracle.version
'7.3.0'
```

If version is displayed, then cx_Oracle is installed and available for use.

Note: Ensure cx_Oracle 7.3.0 supported version is installed. Above command should reflect the same.

Python 3.8: --

<u>Step 1</u>: Execute below commands to install the dependencies

yum -y groupinstall development yum -y install zlib-devel yum install openssl-devel -y yum install zlib-devel bzip2-devel openssl-devel ncurses-devel sqlite-devel yum install zlib-devel bzip2-devel openssl-devel ncurses-devel sqlite-devel -y yum install python38-pip -y yum install libreadline-gplv2-dev libncursesw5-dev libssl-dev libsglite3-dev tk-dev libgdbmdev libc6-dev libbz2-dev -y

yum install -y libffi-devel

yum install python36u-devel -y

yum install python38u-devel -y

yum install yum-utils -y

yum install epel-release -y

yum install python3.8-pip -y

yum install python3-pip -y

Note: In case wget is not installed , perform following step to install wget

yum install wget

#Download the python.tar.xz of the required version

wget https://www.python.org/ftp/python/3.8.0/Python-3.8.0.tar.xz

#Untar the Python tar file

tar xJf Python-3.8.0.tar.xz

#Navigate to the Python-<version> directory and run the below commands

cd Python-3.8.0

./configure

make

make install

<u>Step 2</u>: To install the Python3 compatible libraries to Python2.7 , configuration of pip needs to be done

cd /root mkdir .pip vi ~/.pip/pip.conf [global] trusted-host = pypi.python.org pypi.org files.pythonhosted.org

Step3: Give permission to pip.conf file and a soft link needs to be created.

Note: pip version 20.1.1

In -s ~/.pip/pip.conf /etc/pip.conf Is -Irt ~/.pip/pip.conf chmod 777 /root/.pip/pip.conf Is -Irt ~/.pip/pip.conf pip3 list pip3 install --upgrade pip <u>Step4:</u> Once above steps are executed successfully install the following required modules.

pip3 install cx-Oracle==7.3.0

pip3 install urwid==2.1.0

Home

4. Installation

Pre-Installation

• Install all the prerequisite software and packages mentioned above

Steps of Installation

- Download and extract the installer zip file (Base).
- Navigate to "<OBAPI INSTALLER DIR>/core/config"
- Open the "installer.properties" file to maintain key configurations for BASE ENTITY (OBDX_BU)



IMPORTANT:

- Enter the values right after the "="sign
- DO NOT change anything to the left of the "="
- DO NOT change any of the flag values or pre-filled values (such as WLS_JDBC_DIGX_NAME, WLS_JDBC_DIGX_JNDI, Flag values etc) available in "Factory Shipped" section.
- Ensure there is no blank space after "=" sign, except specific flavor specific configuration

Only below parameters should be set in installer.properties file.

Component	Parameter	Description	Example
	OBAPI_DATABASE_HOSTNA ME	Enter the hostname of the database server which would host the database schema for OBAPI and Weblogic RCU	ofss310759
	OBAPI_DATABASE_PORT	Enter the port number of the database listener	1521
	OBAPI_DATABASE_SID	Enter the Oracle Service Name for database instance	obdxdb.in.oracle .com
	OBAPI_DATABASE_SYS_US ER	Enter the username with 'sys' privileges	Sys
DB details (for Weblogic RCU and	POST_FIX	For OBAPI schema name like "OBAPI_DEV" POST FIX is 'DEV'. SHOULD BE IN UPPERCASE ONLY.	DEV
OBAPI schema)	OBAPI_DBA_DIRECTORY_N AME	Enter the directory name in which you want the OBAPI schema tablespace datafile to be created. Enter Logical name (i.e. DIRECTORY_NAME column) from DBA_DIRECTORIES table NOT the physical path.	OBAPI_DIR
	OBAPI_AUDIT_DBA_DIREC TORY_NAME	Enter the directory name in which you want the OBAPI AUDIT tablespace datafile to be created. Enter Logical name (i.e. DIRECTORY_NAME column) from DBA_DIRECTORIES table NOT the physical path.	OBAPI_AUDIT_ DIR

Component	Parameter	Description	Example
	EHMS_DATABASE_H OSTNAME	Enter the hostname for EHMS database server	ofss310759
	EHMS_DATABASE_P ORT	Enter the port number of EHMS database listener	1521
		Enter the Complete OBAPI-EXT (B1A1) HostInterfaceschema name you want installer to create as new schema.	
	EHMS_SCHEMA_NAM E	SHOULD BE IN UPPERCASE ONLY.	EHMS182SCHE MA
EHMS DB details (to be configured only in-case	EHMS_DBA_DIRECT ORY_NAME	Enter the directory name in which you want the OBAPI-EXT (B1A1) schema tablespace datafile to be created. Enter Logical name (i.e. DIRECTORY_NAME column) from DBA_DIRECTORIES table NOT the physical path.	OPATCH_LOG_ DIR
of FLAVOR as UBS,FCORE	EHMS_DATABASE_S YS_USER	Enter the username with 'sys' privileges	Sys
QOBP W)	EHMS_DATABASE_S ID	Enter the EHMS database Service Name	obdxehms.in.ora cle.com
	EHMS_HOST_SCHEM A_NAME	Enter the EXISTING EHMS HOST schema name	OBAPIUBS
	EHMS_CCY(to be configured for UBS and OBPM HOST only)	Enter the Country code for EHMS HOME Branch	GB
	EHMS_HB (to be configured for UBS and OBPM HOST only)	Enter the Branch code for code for EHMS HOME Branch	AT3
	EHMS_FCORE_FCU BS_SCHEMA_NAME (to be configured for FCORE HOST only)	FCORE-FCUBS schema name	FCRUBSHOST

Component	Parameter	Description	Example
		Oracle Weblogic Middleware home path. Example	
	MIDDLEWARE_HOME	/home/obdxuser/Oracle/Middleware /Oracle_Home - where you have sub-directories like wlserver,oracle_common etc.	/home/obdxuse r/Oracle/Middle ware/Oracle_H ome
	JAVA_HOME	Path where JAVA (JDK) is installed	/home/obdxuser/j dk18
	INSTALLATION_HOM E	Path where OBAPI is to be installed. All configuration files will be copied as a sub-directory "config" under this directory. DO NOT KEEP INSTALLATION_HOME AS MiddlewareHome.	/home/obdxuser/ obdx
	WLS_DOMAIN_PATH	Path where OBAPI Weblogic domain should be created. Users can now enter custom path as per their requirements.	/home/obdxuser/ domains
	WLS_CLUSTER_NAME	Name of cluster; this cluster would have one single managed server.	obdx_cluster
Weblogic server details		Host name or IP address of managed server participating in the cluster. Currently only single node is supported.	
	WLS_CLUSTER_NODE _HOSTNAME		ofss310759
	WLS_ADMIN_SERVER _PORT	Weblogic AdminServer port. It is the port to access the administration console of the Weblogic server. Generally port 7001 is used as the AdminServer port. Custom port are supported.	7001
	WLS_ADMIN_SERVER _SSL_PORT	AdminServer SSL port. It is the port used to securely access (https) the administration console of the Weblogic server.	7002
	WLS_NODE_PORT	Node Manager Port. It is the port used by Node Manager to be configured for OBAPI domain. Generally, 5556 is utilized as Node Manager Port. Custom ports are	5556

	supported.	
WLS_MS_SERVER_NA ME	Managed server name. This will be the name of the managed server created in the cluster followed by indexes. eg- If this is set as 'clip' managed servers would be clip1 .	clip
WLS_MS_SERVER_PO RT	Managed Server Port. Managed server will utilize this port for hosting OBAPI components and associated resources. Custom ports are supported.	9001
WLS_DOMAIN_NAME	Enter Weblogic Domain name.	obdx_domain1
WLS_DOMAIN_ADMIN _USER	Domain user ID. The user id will be used to access the Weblogic Administration console.	weblogic
WLS_JMS_FILEUPLO AD_PS (to be configured for all OBAPI supported HOST)	Set the paths for the persistent store of the FileUpload JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME.	/scratch/obdx/ FileUpload
WLS_JMS_AUDIT_PS (to be configured for all OBAPI supported HOST)	Set the paths for the persistent store of the Audit JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME.	/scratch/obdx/A udit
WLS_JMS_REPORT_P S (to be configured for all OBAPI supported HOST)	Set the paths for the persistent store of the Reports JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME.	/scratch/obdx/R eports
WLS_JMS_JPA_PS (to be configured for all OBAPI supported HOST)	Set the paths for the persistent store of the JPA JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME.	/scratch/obdx/JP A
WLS_JMS_EXTSYSRE CEIVER_PS (to be configured for all OBAPI	Set the paths for the persistent store of the ExtSystemReceiver JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside	/scratch/obdx/R eceiver

	supported HOST)	INSTALLATION_HOME.	
	WLS_JMS_EXTSYSSE NDER_PS (to be configured for all OBAPI supported HOST)	Set the paths for the persistent store of the ExtSystemSender JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME.	/scratch/obdx/S ender
RCU	OBAPI_RCU_STB_PR EFIX	STB schema name prefix. If schema pre-fix is 'OBAPI' then 'OBAPI_STB' would be the STB schema name.	OBAPI_STB
OBAPI Application Administrator	OBAPI_ADMIN_USER	Set username for OBAPI application Admin user. USERNAME IS CASE SENSITIVE. In-case of OUD as provider username should be the User ID mentioned during user creation steps mentioned in pre- requisite document (refer To create User and mapping it to the Group section)	superadmin
user details	OBAPI_ADMIN_EMAI L	Enter the Email ID for OBAPI application admin user.	superadmin@ora cle.com
	OBAPI_ADMIN_CONT ACT_NO	Enter the mobile number for OBAPI application admin user. COUNTRY CODE IS MUST.	+911234567890

Note: Apart from above any other property values should not be modified

Ensure ORACLE_HOME, JAVA_HOME variable are set and their binaries are available in PATH variable before proceeding.

Login with OS user which was used to perform OBAPI pre-requisite software installation (or has ownership on Oracle Weblogic home directory)

Ensure OBAPI Installation home and filestore path's maintained in installer.properties exists and user running the installer has read-write permissions.

Installation Steps:

• From your terminal navigate to <OBAPI INSTALLER DIR>/

```
[ OBDX_Installer]$ pwd
/scratch/OPSFE/OBDX_Installer
[ OBDX_Installer]$ 1s -1tr
total 20
-rwxrwxrwx 1 54323 wheel 2569 Jun 28 12:04 runInstaller.py
drwxrwxrwx 12 54323 wheel 4096 Jun 28 12:04 installables
-rwxrwxrwx 1 54323 wheel 4096 Jun 28 12:04 init__.py
drwxrwxrwx 5 54323 wheel 4096 Jun 29 13:15 core
drwxrwxrwx 5 54323 wheel 4096 Jun 29 13:15 core
drwxrwxrwx 7 54323 wheel 4096 Jun 29 13:15 core
framewox%
drwxrwxrwx 7 54323 wheel 4096 Jul 2 10:47 ZxerInstances
[ OBDX_Installer]$
```

• Enter the following command

python runInstaller.py

Select the appropriate type of Installation

Please select options below	the installation type from the :
	OBDX Installation
	New Entity Creation

- OBAPI Installation: This option should be used for first-time installation or for first entity only. Existing installation should not utilize this option unless performing "Reinstall" on already installed environment.
- New Entity Creation: This option should be used for multi-entity installation only.

Post selection of installation type.

Select the appropriate host system for Installation



Oracle FLEXCUBE Universal Banking (OBAPI with UBS)

Select Installation mode

Please select options liste	the installation mode from the d below :	
	New Installation	
	Reinstall	
↑/↓) to select between	options	

Mode of Installation - New Installation

New installation

In-case of a fresh installation of OBAPI with appropriate host system for the first run on server.

Below screens would appear to taken end-user input

»mmm
Valid.
Enter password for the OBDX schema 'OBDX_191INS' :
»······
Valid.
Enter password for the STB schema 'OBDX191INS_STB' :
»
Valid.
Enter password for the weblogic domain user id 'weblogic' :
»······
Valid.
Enter the password for the user with sys privileges of UBS database 'sys' :
»······
Valid.
Enter password for the UBS schema 'FC1420SDC' (Existing) :
»······
Valid.
Enter password for the UBS schema 'BIAL_USS143_1911NS' (new) :
»······

Enter below passwords:

- SYS privilege user password where OBAPI schema would be created
- OBAPI schema password
- OBAPI STB schema password
- Weblogic console administrator user password
- SYS privilege user password where UBS host schema exists
- Existing UBS HOST schema password
- New OBAPI EHMS schema password
- Password for OBAPI application administrative user (In-case of OUD as provider, password should be similar to one used while user creation in OUD (or User Password field))

Third Party System (OBAPI with THP)

Post Third Party System selection, enter the required credentials details

Enter the password for the user with sys privileges 'sys' :	
>>******* Yalid. Exter password for the OBDX schema 'OBDX_INS' : >******* Yalid. Enter password for the weblogic domain user id 'weblogic' : >***********************************	Enter the password for the user with sys privileges 'sys' :
Valid. Enter password for the OBDX schema 'OBDX_INS' : Valid. Enter password for the STB schema 'OBDXINS_STB' : Valid. Enter password for the weblogic domain user id 'weblogic' : Valid. Enter password for the Admin User 'superadmin' :	S
<pre>Enter password for the OBDX schema 'OBDX_INS' : Valid. Enter password for the STB schema 'OBDXINS_STB' : Valid. Enter password for the weblogic domain user id 'weblogic' : Valid. Enter password for the Admin User 'superadmin' : Xalid. Enter password for the Admin User 'superadmin' : Xalid.</pre>	Valid.
<pre>>***********************************</pre>	Enter password for the OBDX schema 'OBDX_INS' :
Valid. Enter password for the STB schema 'OBDXINS_STB' :	Suuuu
Enter password for the STB schema 'OBDXINS_STB' : Valid. Enter password for the weblogic domain user id 'weblogic' : Valid. Enter password for the Admin User 'superadmin' : **********************************	Valid.
Valid. Enter password for the weblogic domain user id 'weblogic' : Valid. Enter password for the Admin User 'superadmin' :	Enter password for the STB schema 'OBDXINS_STB' :
Valid. Enter password for the weblogic domain user id 'weblogic' : Valid. Enter password for the Admin User 'superadmin' :	Suuun
Enter password for the weblogic domain user id 'weblogic' : >********* Valid. Enter password for the Admin User 'superadmin' : >***********************************	Valid.
Valid. Enter password for the Admin User 'superadmin' :	Enter password for the weblogic domain user id 'weblogic' :
Valid. Enter password for the Admin User 'superadmin' :	»
Enter password for the Admin User 'superadmin' :	Valid.
»	Enter password for the Admin User 'superadmin' :
	»
Nee //// Yang to naminate hervaen muestions and neess ienter: after edition them	The //// Mark to participa between guestions and press famter: after adjring them

Enter below passwords:

- SYS privilege user password where OBAPI schema would be created
- OBAPI schema password
- OBAPI STB schema password
- Weblogic console administrator user password

OBAPI application admin user password (In-case of OUD as provider, password should similar to one used while user creation in OUD (or User Password field))

Oracle FLEXCUBE Core Banking (OBAPI with FCORE)

Post Oracle FLEXCUBE Core Banking, enter the required credentials details

»······
Valid.
Enter password for the OBDX schema 'OBDX_INS' :
»
Valid.
Enter password for the STB schema 'OBDXINS_STB' :
»
Valid.
Enter password for the weblogic domain user id 'weblogic' :
»
Valid.
Enter the password for the user with sys privileges of FCR database 'sys' :
»
Valid.
Enter password for the FCORE schema 'BlAL_FCORE' (new) :
»
Valid.
Enter password for the Admin User 'superadmin' :
»
Use (1/1) keys to payingte between questions and press 'enter' after editing them

Enter below passwords:

- SYS privilege user password where OBAPI schema would be created
- OBAPI schema password
- OBAPI STB schema password
- Weblogic console administrator user password
- SYS privilege user password where FCORE host schema exists
- New OBAPI EHMS schema password
- Password for OBAPI application administrative user (In-case of OUD as provider, password should be similar to one used while user creation in OUD (or User Password field))

Oracle FLEXCUBE Universal Banking with Oracle Banking Payments (OBAPI with OBPM)

»,,,,,,,,
Valid.
Enter password for the STB schema 'OBDXINS_STB' :
»
Valid.
Enter password for the weblogic domain user id 'weblogic' :
»······
Valid.
Enter the password for the user with sys privileges of OBFM database 'sys' :
»
Valid.
Enter password for the OBPM schema 'OBPM143' (Existing) :
»
Valid.
Enter password for the OBPM schema 'BlAl_FCORE' (new) :
»
Valid.
Enter password for the Admin User 'superadmin' :
»

Enter the required credentials details

Enter below passwords:

- SYS privilege user password where OBAPI schema would be created
- OBAPI schema password
- OBAPI STB schema password
- Weblogic console administrator user password
- SYS privilege user password where OBPM host schema exists
- Existing OBPM HOST schema password
- New OBAPI EHMS schema password
- Password for OBAPI application administrative user (In-case of OUD as provider, password should be similar to one used while user creation in OUD (or User Password field))

Mode of Installation – Reinstall

Please select the installation mode from the options listed below :	
New Installation	
Reinstall	
Use (\uparrow/\downarrow) to select between options	

In-case of an existing OBAPI installation that you want to overwrite OR in case of a previously failed installation user can opt for this option.

Pre-requisites

- Weblogic domain processes should be down (i.e. AdminServer, NodeManager, Managed Servers, Derby etc)
- No open session (user should not be logged-in) with OBAPI database schema (and OBAPI EHMS schema in-case of OBAPI UBS;OBPM and FCORE flavor) and RCU schema.

Over-write the policies files (Day0Policy.csv; Entitlement.csv; Resources.csv and Task.csv) from OBAPI Product zip into <OBAPI INSTALLER DIR>/installables/policies directory

Key pointers

- OBAPI schema (and OBAPI EHMS schema in-case of OBAPI UBS flavor) and RCU schema would be dropped and recreated (as per installer.properties). Tablespace would be re-used.
- Weblogic domain (as per installer.properties) would be deleted and created again.
- Installation Home would be cleaned up (all files/ sub-directories would be deleted) and re-created again.

Note: All input screens are similar to new installation option and as per the host system opted.

Installation Status

After selecting the mode and entering all required details, the status is displayed (as shown below) on the terminal to indicate the progress of the installation.



When the installation completes, the below message is displayed

🔮 @obdwsk:/scratch/obdx/\4/0BDX_18.3.0.0 - 🗗	×
Open 15, 2018 7:14:16 PM UTC> <info> <22EE Deployment SPT> <ee-260 21=""> <initiating <br="" [archive:="" application,="" deploy="" for="" obdx.thirdparty.app.domain="" operation="" soratch="">bx/dDEY 18, 2 0, 0 /0/intertex /soratch/ bx/dDEY 18, 2 0, 0 /0/intertex /soratch/</initiating></ee-260></info>	obdx ^
<pre>close_close close_close close_close close c</pre>	DBDX_
<pre><dec 15,="" 2018="" 7:14:19="" fm="" utc=""> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" batchresourceadapter="" deploy="" for="" obdx="" operation="" scratch="" v<br="">DX 18.3.0.0.0/installables/app/components/obdx/deploy/BatchResourceAdapter.ear], to obdx cluster .></initiating></bea-260121></j2ee></info></dec></pre>	74/0B
<pre>CDec 15, 2018 7:14:19 FM UTC> <info> <jzee deployment="" spi=""> <bea-260121> <initiating 18<br="" [archive:="" application,="" auditmdbear="" deploy="" for="" obdx="" operation="" scratch="" v4="">.0.0/installables/app/components/obdx/deploy/AuditMDBEAR.ear], to obdx cluster .></initiating></bea-260121></jzee></info></pre>	8.3.0
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<pre></pre> <pre><</pre>	1/OBD
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<pre>CDec15, 2010 7114:20 PM UTC> <info> <jzee <bea-260121="" deployment="" sp)=""> <initiating [archive:="" application,="" deploy="" for="" obdx="" obdx.app.oauth="" obdx<br="" operation="" scratch="" v4="">3 0.0 0/installable/commenser/installable/deployments.application.</initiating></jzee></info></pre>	K_18.
<pre>Stototy Histaliaans app Components Poly Addr.approximation really, co book</pre>	OBDX
Lo 3/01/01/mistalaures/app/22/dock/22.app/comment.ear), to Amministrie dock_inister // CDec 15, 2018 7:14:21 PM UTC> <info> <jzee deployment="" spi=""> <bea-260121> <initiate [archive:="" application,="" deploy="" for="" ob<br="" obdx.cz.extsystem.domain="" operation="" scratch="">4/ORN 18, 3.0.0 (/installaba/arm/cz/obdx.cz.extsystem.domain_ear), to obdx.cluster EdminServer -></initiate></bea-260121></jzee></info>	od x/ v
<pre>close 15, 2010 7:14:22 PM UTC> <info> <jzee deployment="" spi=""> <gea-260121> <initiating [archive:="" application,="" deploy="" for="" obdx.cz.thirdparty.app.domain="" operation="" scrat<br="">bdy/yd/ORN 18.3.0.0.0/msallable4_mn/zd/obdy.cz.thirdparty.app.domain_earl.to.AdminServer.cbdx_cluster_></initiating></gea-260121></jzee></info></pre>	cch/o
<pre>cdbc 15, 2010 7:14:23 PW UTC> <info> <uzee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" for="" obdx="" obdx.app.soap="" obdx]<br="" operation="" scratch="" v4=""></initiating></bea-260121></uzee></info></pre>	18.3
<pre>Control and control and a section of the secti</pre>	74/OB
Starting AdminServer	
AdminServer started Successfully created and configured OBDX183INS domain dpc 15, 2018 7:16:22 PM UTC> «Warning» <ndi» <bea-050001=""> «WLContext.close() was called in a different thread than the one in which it was created.></ndi»>	
Successfully configured jps-config.xml	
Successfully Setup and Configured WEBLOGIC	
>>>> OBDX PRODUCT INSTALLATION COMPLETED SUCCESSFULLY <<<<	

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5. Installation using Silent Mode

This chapter describes how to run the OBAPI installer in silent mode.

What is silent-mode installation?

During installation in silent mode, the installation program reads the details for your configuration parameters (flavor; mode; passwords etc) from the environment variables (same session in which installer is executed) and installer.properties that you set before beginning the installation. The installation program does not display any configuration options during the installation process.

Steps for Silent-Mode Installation

- Download and extract the installer zip file (Base non localization version).
- Navigate to "<OBAPI INSTALLER DIR>/core/config"
- Open the "installer.properties" file to maintain key configurations for BASE ENTITY (OBDX_BU)
 **Refer to page 9 to 14 (step 4) for filling up installer.properties.
- Set the environment variables , as shown below

OBDX_Installer]\$		
OBDX_Installer]\$	export	FLAVOUR=UBS
OBDX_Installer]\$	export	MODE=New
OBDX_Installer]\$	export	DB_SYS_PASSWORD=welcome1
OBDX_Installer]\$	export	SCHEMA_PASS=welcome1
OBDX_Installer]\$	export	STBPassword=welcomel
OBDX_Installer]\$	export	DomainPassword=welcomel
OBDX_Installer]\$	export	EHMS_DATABASE_SYS_PASS=devopshst
OBDX_Installer]\$	export	EHMS_HOST_SCHEMA_NAME_PASS=FC140UBS
OBDX_Installer]\$	export	EHMS_SCHEMA_PASS=welcomel

Below parameters should be set as environment variables, depending on the Host system the installer should be executed.

Host	Parameter	Description	Example
	FLAVOUR	Flavour for installation	export FLAVOUR=UBS or export FLAVOUR=OBPM
Environment variables to		UBS for Oracle FLEXCUBE Universal Banking 14.3.0.0.0 (OBAPI with UBS)	or export FLAVOUR=FCORE
set for flavor: FCORE; UBS (14.3.0.0.0 release) OBPM(14.3.0.0 .0)		OBPM for Oracle FLEXCUBE Universal Banking with Oracle Banking Payments 14.3.0.0.0 (OBAPI with OBPM)	
		FCORE for Oracle FLEXCUBE Core Banking 11.7.0.0.0 (OBAPI with FCORE)	
	MODE	Mode of installation. 'New' in-case of a fresh installation of OBAPI for the first run on server 'Clean' in-case of an existing OBAPI installation that you want to overwrite OR in case of a previously failed installation or re- installation	export MODE=New or export MODE=Clean
	DB_SYS_PASSWORD	Sys user password of OBAPI database (Existing)	export DB_SYS_PASSWORD=obdx182sys
	SCHEMA_PASS	Password for new schema on OBAPI database	export SCHEMA_PASS=obdx#182
	STBPassword	Password for RCU	export

	STB schema	STBPassword=obdx182#stb
DomainPassword	Password for Weblogic Administrator console	export DomainPassword=wlsadmn
EHMS_DATABASE_SYS_PA SS	Sys user password of EHMS HOST database (Existing)	export EHMS_DATABASE_SYS_PASS=obdx ehmssys
EHMS_HOST_SCHEMA_NAM E_PASS	Password of existing EHMS HOST schema	export EHMS_HOST_SCHEMA_NAME_PASS =obdxehmshost
<pre>** Only required for UBS & OBPM Host. Ignore this parameter in-case of FCORE Host</pre>	(Existing)	
EHMS_SCHEMA_PASS	Password for new OBAPI EHMS schema on EHMS HOST database	export EHMS_SCHEMA_PASS=obdx182ehm s
DBAuthPassword	Password for new OBAPI Administrator user of OBAPI application (In-case of OUD as provider, password should similar to one used while user creation in OUD(or User Password field))	export DBAuthPassword=obdxadmn
FLAVOUR	Flavour for installation 'OBAPI' for Third Party System 1.0 (OBAPI with THP)	export FLAVOUR=OBAPI
Mode	Mode of installation. 'New' in-case of a fresh installation of OBAPI for the first run on server 'Clean' in-case of an existing OBAPI installation that you want to overwrite OR in case of a previously failed	export MODE=New or export MODE=Clean
	DomainPassword EHMS_DATABASE_SYS_PA SS EHMS_HOST_SCHEMA_NAM E_PASS ** Only required for UBS & OBPM Host. Ignore this parameter in-case of FCORE Host EHMS_SCHEMA_PASS DBAuthPassword FLAVOUR Mode	DomainPasswordSTB schemaDomainPasswordPassword for Weblogic Administrator consoleEHMS_DATABASE_SYS_PA SSSys user password of EHMS HOST database (Existing)EHMS_HOST_SCHEMA_NAM E_PASSPassword of existing EHMS HOST schema (Existing)** Only required for UBS & OBPM Host. Ignore this parameter in-case of FCORE HostPassword for new OBAPI EHMS schema on EHMS HOST databaseDBAuthPasswordPassword for new OBAPI application (In-case of OBAPI application (In-case of OUD as provider, password should similar to one used while user creation in OUD(or User Password field))FLAVOURFlavour for installationModeMode of installation.'OBAPI oparly System 1.0 (OBAPI with THP)ModeMode of installation of OBAPI for Third Party System 1.0 (OBAPI or the first run on serverModeMode of installation that you want to overwrite OR in case of a frest installation that you want to overwrite OR in case of a previously failed

	installation	
DB_SYS_PASSWORD	Sys user password of OBAPI database (Existing)	export DB_SYS_PASSWORD= obdx182sys
SCHEMA_PASS	Password for new schema on OBAPI database	export SCHEMA_PASS=obdx#182
STBPassword	Password for RCU STB schema	export STBPassword=obdx#stb
DomainPassword	Password for Weblogic Administrator console	export DomainPassword=wlsadmn
DBAuthPassword	Password for new OBAPI Administrator user of OBAPI application (In-case of OUD as provider, password should similar to one used while user creation in OUD(or User Password field))	export DBAuthPassword=obdxadmn

Run the runInstaller.py file with '--silent ' argument along with '--base' option

```
OBDX_Installer]$
OBDX_Installer]$ python runInstaller.py --silent --base
```

Installation Status

The status is displayed on the terminal to indicate the progress of the installation.



When the installation completes, the below message is displayed

🔗 PuTTY (inactive) — 🗗 🗙	¢.
cbc 16, 2018 7:19:49 AM UTC>	^
<pre><dec 2018="" 7:19:52="" am="" l6,="" utc=""> <info> <jzee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" for="" obdx="" obdx.app.rest.idm="" obdx_ins<="" operation="" pre="" scratch=""></initiating></bea-260121></jzee></info></dec></pre>	
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The 15, 2018 7:2015 AM UTC> (Info> viEE Beloyment STI> dEL-260121) (Initiating deploy operation for application, obdx.app.mdb.report [archive: /scratch/obdx/08DX_I for 1]s/ (scratch/able/acm/normanne/codst/deploy/dbdr/apr.wdm.acm/na=ontas+1]utgr/apr/apr/apr/apr/apr/apr/apr/apr/apr/ap	
<pre>about instantable (approximate approximate approx</pre>	
<pre>dec 16, 2018 7:20:15 AM UTC> <into> <jzee deployment="" sfd=""> <bea-560121> <intitating 0bdx_instal<br="" [archive:="" application,="" deploy="" for="" obdx="" obdx.app.cauth="" operation="" scratch="">Inrinstallabe/sapp/components/obdx/deploy/obdx.app.cauth.est, to obdx cluster -></intitating></bea-560121></jzee></into></pre>	
<pre>cdec 16, 2018 7:2016 AM UTC> <into> <jzee deployment="" sfi=""> <ema-260121> <intitating [archive:="" application,="" deploy="" for="" obdx="" obdx.cz.app.domain="" obdx_in<br="" operation="" scratch="">staller/installable/samp/cz/obdx.cz.app.domain.eat], to obdx cluster Administerver -></intitating></ema-260121></jzee></into></pre>	
<pre></pre> <pre><</pre>	
<pre>dec 16, 2018 7:2016 AM UTC> (Info) </pre> , disc peloyment SFI> defactor) disc action for application, obdx.cz.thirdparty.app.domain [archive: /acratch/o bdw/0BW Installerinstallerinstallebe/applicy/obdw.cz.thirdparty.app.domain.earl. to AdminServer obdx cluster.	
<dec 16,="" 2018="" 7:2016="" am="" utc=""> UTC> Classical State - Control State -</dec>	
<pre>chec 16, 2018 7:2017 AM UTC> <infos <="" pre="">.dps/sept.sept.sept.sept.sept.sept.sept.sept.</infos></pre>	
Applications deployed successfully Starting AdminServer	
AdminServer started Successfully created dec 16, 2018 7:23:40 AM UTC> <warning> <nddi> <bea-050001> <wlcontext.close() a="" called="" created.="" different="" in="" it="" one="" than="" the="" thread="" was="" which=""></wlcontext.close()></bea-050001></nddi></warning>	
Successfully configured jps-config.xml	
Successfully Setup and Configured WEBLOGIC	
>>>> OBDX PRODUCT INSTALLATION COMPLETED SUCCESSFULLY <<<<	
fdevons#obdxvls OBDX Installet18	

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6. Installer Verification

Each execution creates a new directory as <DDMonthHHMM> under <OBAPI INSTALLER DIR>/ExecInstances directory where installer execution logs as described below are stored.

Log Description	РАТН
Summarized Installer Activity Log	<obapi dir="" installer="">/ExecInstances/<ddmonthhhmm> /logs/obdx_installer.log</ddmonthhhmm></obapi>
Summarized Database Logs	<obapi dir="" installer="">/ExecInstances/<ddmonthhhmm> /logs/db/DB_installation.log</ddmonthhhmm></obapi>
Detailed OBAPI DB Logs per SQL file	<obapi dir="" installer="">/ExecInstances/<ddmonthhhmm> /logs/db/OBAPI/*</ddmonthhhmm></obapi>
Detailed EHMS schema Logs per SQL file (specific to EHMS host system only)	<pre><obapi dir="" installer="">/ExecInstances/<ddmonthhhmm> /logs/db/<ehmshost>/* <ehmshost> - values such as; FCORE; OBPM;; UBS</ehmshost></ehmshost></ddmonthhhmm></obapi></pre>
RCU Logs	<obapi dir="" installer="">/ExecInstances/<ddmonthhhmm> /logs/app/obdx_stb_rcu_1600.log</ddmonthhhmm></obapi>
Weblogic Configuration Logs	<obapi dir="" installer="">/ExecInstances/<ddmonthhhmm> /logs/app/obdx_wls_post.log</ddmonthhhmm></obapi>
	<obapi dir="" installer="">/ExecInstances/<ddmonthhhmm> /logs/db/Entitlement.log</ddmonthhhmm></obapi>
	/logs/db/Task.log
	<obapi dir="" installer="">/ExecInstances/<ddmonthhhmm> /logs/db/Dashboard_seed.log</ddmonthhhmm></obapi>
Detailed OBAPI policy seeding logs	Note: Check for SEVERE keyword; If found refer to Troubleshot section to re-run the policy
	<obapi dir="" installer="">/ExecInstances/<ddmonthhhmm> /logs/db/seedPolicies.log</ddmonthhhmm></obapi>
Policy seeding execution Log	Note: Should be empty if no errors during policy execution. In- case non-empty refer to Troubleshot section to re-run the policy

Check all the logs for any errors.

7. Installer Scope

OBAPI Installer currently covers below activities:

Flavor: Third Party system (OBAPI with THP)

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		Create Tablespace	\checkmark	NA
		Create Schema and Role	\checkmark	(drop and recreate objects)
		Grants	\checkmark	\checkmark
	OBAPI DB Setup	Load DB object (DDL's and DML's)	\checkmark	\checkmark
		Compile Schema	\checkmark	\checkmark
		Policy Seeding	\checkmark	\checkmark
	Weblogic Setup and Configuration	RCU schema and Create Domain	\checkmark	√ (drop and re- create RCU schema's)
		Create and Configure AdminServer, Machine, Managed Server and Cluster	\checkmark	\checkmark
THP		Configure NodeManager	\checkmark	\checkmark
		Configure JDBC		
		Configure DB Authenticator, JMS servers, Persistent stores and JMS Modules	\checkmark	~
		Application Deployment		
		JTA		
		Enable Production Mode	\checkmark	\checkmark
		Start AdminServer and NodeManager	\checkmark	\checkmark
	OBAPI Configuration	Copy config files into OBAPI Installation Home	1	(Delete old and copy new from installer zip)

Flavor: Oracle FLEXCUBE Universal Banking (OBAPI with UBS)

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		Create Tablespace	\checkmark	NA
		Create Schema and Role		(drop and recreate objects)
		Grants	\checkmark	\checkmark
	OBAPI DB Setup	Load DB object (DDL's and DML's)		\checkmark
		Execute UBS HOST specific scripts		\checkmark
		Compile Schema	\checkmark	\checkmark
		Policy Seeding	\checkmark	\checkmark
	EHMS DB Setup	Create Tablespace	\checkmark	NA
		Create Schema and Role		(drop and recreate objects)
OBAPI with		Grants	\checkmark	\checkmark
(14.3.0.0.0 version)		Load DB object (DDL's and DML's)		\checkmark
		Compile Schema	\checkmark	\checkmark
	Weblogic Setup and Configuration	RCU schema and Create Domain	\checkmark	$\sqrt{(\text{drop and re-create RCU schema's})}$
		Create and Configure AdminServer, Machine, Managed Server and Cluster	1	√
		Configure NodeManager		\checkmark
		Configure JDBC		
		Configure DB Authenticator, JMS servers, Persistent stores and JMS	\checkmark	\checkmark

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		Modules		
		Application Deployment	\checkmark	\checkmark
		JTA		
		Enable Production Mode	\checkmark	\checkmark
		Start AdminServer and NodeManager	\checkmark	\checkmark
	OBAPI Configuration	Copy config files into OBAPI Installation Home	\checkmark	(Delete old and copy new from installer zip)

Flavor: Oracle FLEXCUBE Core Banking (OBAPI with FCORE)

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		Create Tablespace	\checkmark	NA
		Create Schema and Role	\checkmark	$\sqrt{(\text{drop and recreate objects})}$
		Grants	\checkmark	\checkmark
OBAPI with FCORE	OBAPI DB Setup	Load DB object (DDL's and DML's) $$		\checkmark
		Compile Schema V	\checkmark	\checkmark
		Policy Seeding		
		Create Tablespace	\checkmark	NA
		Create Schema and Role	\checkmark	(drop and recreate objects)
	EHMS DB Setup	Grants	\checkmark	\checkmark
		Load DB object (DDL's and DML's)	\checkmark	\checkmark
		Compile Schema	\checkmark	\checkmark

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		RCU schema and Create Domain	\checkmark	√ (drop and re- create RCU schema's)
		Create and Configure AdminServer, Machine, Managed Server and Cluster	1	\checkmark
		Configure NodeManager		\checkmark
		Configure JDBC	\checkmark	\checkmark
	Weblogic Setup and Configuration	Configure DB Authenticator, JMS servers, Persistent stores and JMS Modules	1	\checkmark
		Application Deployment	\checkmark	
		JTA	\checkmark	\checkmark
		Enable Production Mode		\checkmark
		Start AdminServer and NodeManager		
	OBAPI Configuration	Copy config files into OBAPI Installation Home	1	(Delete old and copy new from installer zip)

Flavor: Oracle FLEXCUBE Universal Banking with Oracle Banking Payments (OBAPI with OBPM)

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		Create Tablespace	\checkmark	NA
OBAPI with OBPM (14.3.0.0.0 version)		Create Schema and Role	\checkmark	(drop and recreate objects)
	OBAPI DB Setup	Grants √	\checkmark	
		Load DB object (DDL's and DML's)	\checkmark	\checkmark

Flavor	Activity	Detailed Activity List New Installation		Reinstall
		Execute OBPM HOST specific scripts	\checkmark	\checkmark
		Compile Schema	\checkmark	\checkmark
		Policy Seeding	\checkmark	\checkmark
		Create Tablespace	\checkmark	NA
		Create Schema and Role		(drop and recreate objects)
	EHMS DB Setup	Grants	\checkmark	\checkmark
		Load DB object (DDL's and DML's)	\checkmark	\checkmark
		Compile Schema	\checkmark	\checkmark
		RCU schema and Create Domain	\checkmark	√ (drop and re- create RCU schema's)
		Create and Configure AdminServer, Machine, Managed Server and Cluster	\checkmark	\checkmark
		Configure NodeManager Configure JDBC	\checkmark	\checkmark
			\checkmark	
	and Configuration	Configure DB Authenticator, JMS servers, Persistent stores and JMS Modules	\checkmark	1
		Application Deployment	\checkmark	\checkmark
		JTA	\checkmark	
		Enable Production Mode	\checkmark	
		Start AdminServer and NodeManager	\checkmark	\checkmark
	OBAPI Configuration	Copy config files into OBAPI Installation Home	\checkmark	(Delete old and copy new from installer zip)

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8. Post Installation Steps

Once Installation is successful and no errors are observed, proceed with below set of steps.

Login Weblogic Admin console.

	Administration Console 12c		
Change Center	🏠 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic
View changes and restarts	Home		
Click the Lock & Edit button to modify, add or delete items in this domain. Lock & Edit Release Configuration Domain Structure InstallerTest Delenoment Deployments Desrives	Home Page Information and Resources Helpful Tools Configure applications Configure GridLink for RAC Data Source Configure a Dynamic Cluster Recent Task Status Set your console preferences Oracle Enterprise Manager	General Information Common Administration Task Descriptions Read the documentation Ask a question on My Oracle Support	
Interoperability	- Domain Configurations		
I → Diagnostics	Domain	Resource Group Templates	Interoperability
	Domain	Resource Group Templates	WTC Servers
	Domain Partitions	Resource Groups	Joit Connection Pools
	Domain Partitions	Resource Groups	Diagnostics
How do I	Partition Work Managers	Deployed Resources	Log Files Diagnostic Modules
Search the configuration	Environment	Deployments	 Built-in Diagnostic Modules
Use the Change Center	Servers		Diagnostic Images
Record WLST scripts	Clusters	Services	 Request Performance
Change Console preferences	 Server Templates 	Messaging	Archives

In the left panel of the Console, Click on **Deployments**, A table in the right pane displays all deployed Enterprise Applications and Application Modules.

Change Center	💼 Home Log Out Preferences 🔤 Record Help	Q	Welcom			
View changes and restarts	Home					
Click the Lock & Edit button to modify, add delete items in this domain.	d or Home Page					
Lock & Edit	- Information and Resources					
Release Configuration	Helpful Tools	General Information				
	Configure applications	 Common Administration Task Descriptions 				
Domain Structure	Configure GridLink for RAC Data Source	 Read the documentation 				
InstallerTest	Configure a Dynamic Cluster	 Ask a question on My Oracle Support 				
Domain Partitions	 Recent Task Status 	Recent Task Status				
t Environment	 Set your console preferences 					
Deployments HServices	Oracle Enterprise Manager					
Security Realms	- Domain Configurations					
-Interoperability	bomain conngulations					
	Domain	Resource Group Templates	Interoperability			
	Domain	Resource Group Templates	 WTC Servers 			
			Jolt Connection Pool			
	Domain Partitions	Resource Groups				
	Domain Partitions	Resource Groups	Diagnostics			
	Partition Work Managers		Log Files			
How do I		Deployed Resources	Diagnostic Modules			
Search the configuration	Environment	Deployments	Built-in Diagnostic M			
 Search the connightation 						

In the table, locate the **oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3)** library to re-target and click on its name.

				1		
<pre>moracle.bi.jbips(11.1.1,0.1)</pre>	Active		Library	AdminServer	Global	100
nacle.dconfig-infra(2.0,12.2.1)	Active		Library	AdminServer	Global	100
nacle.jrf.system.filter	Active		Library	AdminServer	Global	100
eracle.jsp.next(12.2.1,12.2.1)	Active		Library	AdminServer	Global	100
nacle.pwdgen(2.0,12.2.1)	Active		Library	AdminServer	Global	100
eracle.sdp.client(2.0,12.2.1.3.0)	Active		Library	AdminServer	Global	100
oracle.sdp.messaging(2.0,12.2.1.3.0)	Active		Library	AdminServer	Global	100
oracle.webcenter.composer(2.0,12.2.1)	Active		Library	AdminServer	Global	300
oracle.webcenter.skin(2.0,12.2.1)	Active		Library	AdminServer	Global	300
oracle.wsm.console.core.view(1.0,12.2.1.3)	Active		Library	AdminServer	Global	311
nacle.wsm.idmrest.sharedlib(1.0,12.2.1.3)	Active		Library	AdminServer	Global	100
oracle.wsm.seedpolicies(2.0,12.2.1.3)	Active		Library	AdminServer	Global	100
nai18n-adf(11,11.1.1.0)	Active		Library	AdminServer	Global	100
ewasp.esapi(2.0,12.2.1)	Active		Library	AdminServer	Global	100
State-management-provider-memory-rar	Active	🖋 ок	Resource Adapter	AdminServer	Global	100
UIX(11,12.2.1.3.0)	Active		Library	AdminServer	Global	100
€ Cowsm-pm	New		Enterprise Application	obdx_cluster	Global	5

Click on Lock & Edit

ORACLE WebLogic Server Administration Console 12c								
Change Center	🙆 Home Log Out Pr	eferences 🔤 Record Help	Welcome, weblogic					
View changes and restarts	Home >Summary of Environment >Summary of Deployments >oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3)							
Click the Lock & Edit button to modify, add or	Settings for oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3)							
de etertems in this domain. Lock & Edit	Overview Targets	Notes						
Release Configuration	Click the Lock & Edi	t button in the Change Center to modify the settings on this page.						
Domain Structure	Save							
InstallerTest Domain Partitions Domain Partitions	Use this page to view Deployment Order	and edit general configuration information about this Java EE library, such as its name, field to change the order that the library is deployed at server startup, relative to other	path to the source of the application, and staging mod deployments.					
Services Security Realms	Name:	oracle.wsm.idmrest.sharedlib	The name of this Java EE library. More Info					
B-Interoperability B-Diagnostics	Scope:	Global	Specifies if this library is accessible within the dom: resource group template. More Info					
	Specification Version:	1.0	The specification version, specified from the manife deployment. More Info					
	Implementation Version:	12.2.1.3	The implementation version, specified from the ma during deployment. More Info					
Click on Targets Tab

ORACLE WebLogic Server Administration Console 12c								
Change Center	🙆 Home Log Out Pre	🕜 Home Log Out Preferences 🗠 Record Help						
View changes and restarts	Home >Summary of Envi	Home >Summary of Environment >Summary of Deployments >oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3)						
No pending changes exist. Click the Release	Settings for oracle.ws	m.idmrest.sharedlib(1.0,12.2.1.3)						
Configuration button to allow others to edit the domain.	Overview Targets	Notes						
Lock & Edit Release Configuration	Save	ets- Tab						
Domain Structure	Use this page to view Deployment Order	and edit general configuration information about this Java EE library, such as its name, pa field to change the order that the library is deployed at server startup, relative to other de	ath to the source of the application, and stagin ployments.					
Domain Partitions Environment	Name:	oracle.wsm.idmrest.sharedlib	The name of this Java EE library. More Info					
Deployments Services Security Realms	Scope:	Global	Specifies if this library is accessible within th resource group template. More Info					
⊕-Interoperability ⊕-Diagnostics	Specification Version:	1.0	The specification version, specified from the deployment. More Info					
	Implementation Version:	12.2.1.3	The implementation version, specified from during deployment. More Info					
4	Path:	/ home/ devops/ Oracle/ Middleware/ Oracle_Home/ oracle_common/ modules/ oracle.	The path to the source of the deployable un					
+ 100 204nx 10	1□ 1782 × 960nx							

In the Servers box, select **Cluster** if it is not already selected and click **Save**.

	ninistration Console 12c								
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Welcome, w							
View changes and restarts	Home >Summary of Environment >Summary of Deployments >oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3)								
No pending changes exist. Click the Release	Settings for oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3)								
domain.	Overview Targets Notes								
Lock & Edit	Save								
Release Configuration	Use this page to select the WebLogic Server instances and clusters to which you want to deploy (target) the Java EE library. Servers AdminServer Clusters AdminServer Data of the cluster Data of the clust								

Click on Activate Changes.

	ninistration Console 12c							
Change Center	😰 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connect						
View changes and restarts enoung changes exist. They must be activated to take effect.	Home >Summary of Environment >Summary of Deployments >oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3) Messages							
Undo All Changes	Overview Targets Notes							
Domain Structure InstallerTest B-Domain Partitions B-EnvironmentDeployments	Save Use this page to select the WebLogic Server instances and clusters to which you want to deploy (target) the Java EE library.							
-Services -Security Realms	Servers							
	Clusters							
	Obdx_cluster Oddx_cluster Option All servers in the cluster Option Part of the cluster							

Click on Home Tab

ORACLE WebLogic Server Administration Console 12c								
Change Center	쉾 Home Log Out Preferences 🗠 Record Help							
View changes and restarts	Home > Summary of Environment > Summary of Deployments > oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3) > Summary of Services > Summa JDBC Data Sources > WL55chemaData5ource							
Click the <i>Lock & Edit</i> button to modify, add or delete items in this domain.	Messages All changes have been activated. No restarts are necessary. 							
Release Configuration	Settings for WLSSchemaDataSource							
	Configuration Targets Monitoring Control Security Notes							
Domain Structure InstallerTest Demoin Partitions Demoin Partitions	Click the <i>Lock & Edit</i> button in the Change Center to modify the settings on this page. Save This page allows you to select the servers or clusters on which you would like to deploy this JDBC data source.							
Diagnostics Servers								
	S AdminServer							
	Clusters							
	🖉 obdx_cluster							

In the left panel of the Console, Click on Services,

	ministration Console 12c
Change Center	🏠 Home Log Out Preferences 🔤 Record Help
View changes and restarts	Home >Summary of Environment >Summary of Deployments >oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3)
Click the Lock & Edit button to modify, add or delete items in this domain.	✓ All changes have been activated. No restarts are necessary.
Lock & Edit	Settings for oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3)
Release Configuration	Overview Targets Notes
Domain Structure	Click the Lock & Edit button in the Change Center to modify the settings on this page.
InstallerTest	Save
Environment Deployments	
- Services	Use this page to select the WebLogic Server instances and clusters to which you want to deploy (target) the Java EE library.
Security Realms Interoperability	Servers
⊡-Diagnostics	
	M AdminServer
	Clusters
	obdx_cluster All conversion the cluster

Click on Data Sources

ORACLE WebLogic Server Administration Console 12c										
Change Center	🏦 Home Log Out Preferences 🗠 Record Help									
View changes and restarts	Home >Summ	Home >Summary of Environment >Summary of Deployments >oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3) >Summary of Services								
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of S	Summary of Services								
Lock & Edit	Use these sections of the Administration Console to configure WebLogic Server services.									
Release Configuration	Section	Description								
Domain Structure InstallerTest	Messaging	WebLogic JMS is an enterprise-class messaging system that fully supports the JMS specification, and which also provides numerous extensions that g standard JMS APIs. It is tightly integrated into the WebLogic Server platform, allowing you to build highly secure Java EE applications that can be eas administered through the WebLogic Server console. In addition to fully supporting XA transactions, WebLogic JMS also features high availability throu service migration features while also providing seamless interoperability with other versions of WebLogic Server and third-party messaging vendors.								
Environment Deployments	Data Sources	ata Data sources enable you to configure database connectivity in your WebLogic domain. Data sources provide database connection pooling and connec data sources provide load balancing and failover between data sources, which can be connected to different backend resources.								
Services Security Realms	Persistent Stores	A persistent store is a physical repository for storing subsystem data, such as persistent JMS messages. It can be either a JDBC-accessible database c								
l∯-Interoperability ⊞-Diagnostics	Foreign JNDI Providers	A foreign JNDI provider represents a JNDI tree that resides outside of a WebLogic Server environment. This could be a JNDI tree in a different server an external Java program. By setting up a foreign JNDI provider you can lookup and use a remote object with the same ease as using an object bour server instance.								
	Work Contexts	Work Contexts allow developers to define properties which implicitly flow across remote requests and allow downstream components to work in the c client.								
	XML Registries	The XML Registry is a facility for configuring and administering the XML resources of an instance of WebLogic Server. XML resources in WebLogic Ser used by an application to parse XML data, the transformer used by an application to transform XML data, external entity resolution, and caching of ex								
	XML Entity	XML Entity Caches store external entities that are referenced with a URL or a pathname relative to the main directory of the EAR archive. Caching ext								

Locate WLSSchemaDataSource to change target ,click on its name

Deployments Services	Data Sources (Filtered - More Columns Exist)									
Security Realms		Click the Lock & Edit button in the Change Center to activate all the buttons on this page.								
■-Diagnostics		Ne	w ~ Delete					Showing 1 to 9 of 9 Previo		
			Name 🚕		Туре	JNDI Name		Targets		
			BATCH		Generic	BATCH		obdx_cluster		
			DIGX		Generic	DIGX		obdx_cluster		
How do I	1		LocalSvcTblDataSource		Generic	jdbc/LocalSvcTblDataSource		AdminServer		
Create IDBC generic data sources			mds-owsm		Generic	jdbc/mds/owsm		AdminServer, obdx_cluster		
Create IDBC GridLink data sources			NONXA		Generic	NONXA		obdx_cluster		
Create JDBC multi data sources			opss-audit-DBDS		Generic	jdbc/AuditAppendDataSource		AdminServer, obdx_cluster		
Create UCP data sources			opss-audit-viewDS		Generic	jdbc/AuditViewDataSource		AdminServer, obdx_cluster		
Create Proxy data sources			opss-data-source		Generic	jdbc/OpssDataSource		AdminServer, obdx_cluster		
	1	0	WLSSchemaDataSource		Generic	jdbc/WLSSchemaDataSource				
System Status		Ne	w v Delete					Showing 1 to 9 of 9 Previo		
Health of Running Servers as of 7:08 AM										
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (1)								1		

Click on Targets Tab

	ninistration Console 12c								
Change Center	😰 Home Log Out Preferences 🔤 Record Help								
View changes and restarts	Home >Summary of Environment >Summ	Home >Summary of Environment >Summary of Deployments >oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3) >Summary of Services >Summary of JDBC D							
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for WLSSchemaDataSource								
Lock & Edit Release Configuration	Configuration Targets Monitorin General Connection Targets- Tab	g Control Security Notes ONS Transaction Diagnostics Identity Options							
Domain Structure	Click the Lock & Edit button in the Change Center to modify the settings on this page.								
InstallerTest	Save								
Commin Partitions Environment Environments Security Realms Interoperability Diagnostics	Applications get a database connectio data source provides the connection t This page enables you to define gene	n from a data source by looking up the data source on the Java o the application from its pool of database connections. ral configuration options for this JDBC data source.	Naming and Directory Interface (JNI						
	Name:	WLSSchemaDataSource	A unique name that iden domain. More Info						
	Datasource Type:	GENERIC	The data source type. Va						
	Scope:	Global	The scope in which the c						

Click on Lock & Edit

ORACLE WebLogic Server Ad	ministration Console 12c							
Change Center	🟦 Home Log Out Preferences 🔤 Record Help							
View changes and restarts	Home >Summary of Environment >Summary of Deployments >oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3) >Summary of Services >Summary							
Click the Lock & Edit button to modify, add or	Settings for WLSSchemaDataSource							
Lock & Edit	Configuration Targets Monitoring Control Security Notes							
Release Configuration	Click the Lock & Edit button in the Change Center to modify the settings on this page.							
Domain Structure	Save							
InstallerTest Domain Partitions Environment	This page allows you to select the servers or clusters on which you would like to deploy this JDBC data source.							
Deployments	Servers							
Security Realms	AdminServer							
The prostics	Clusters							
	 obdx_cluster All servers in the cluster Part of the cluster obdx_server1 							

In the Servers Box, select AdminServer & OBAPI Cluster and Click on Save

	ninistration Consol	e 12c							
Change Center	😰 Home Log Out Preferences 🔤 Record Help								
View changes and restarts	Home >Summary of Environment >Summary of Deployments >oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3) >Summary JDBC Data Sources >WLSSchemaDataSource								
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Settings for WLSSchemaDataSource								
Lock & Edit	Configuration	Targets	Monitoring	Control	Security	Notes			
Release Configuration	Save								
Domain Structure	This page allo	ws you to s	elect the serve	rs or cluste	ers on which	you wou	uld like to deploy this JDBC data sour		
InstallerTest									
Environment	Servers								
DeploymentsServicesServity Realms	AdminServer								
■-Interoperability	Clusters								
'±'-Diagnostics	obdx_clus All ser Part of obdx obdx	ter vers in the f the cluste c_server1	cluster er						

Click on Activate Changes

	ministration Consol	e 12c							
Change Center	🙆 Home Log	🔒 Home Log Out Preferences 🔤 Record Help							
View changes and restarts	Home >Summar JDBC Data Source	Home >Summary of Environment >Summary of Deployments >oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3) >Summary of Services >Summary of JDBC Data Sou JDBC Data Sources >WLSSchemaDataSource							
Pending changes exist. They must be activated to take effect	Messages ✓ Settings updated successfully.								
Undo All Changes	Settings for WI	Schemal	DataSource						
	Configuration	Targets	Monitoring	Control	Security	Notes			
Domain Structure InstallerTest Domain Partitions Domain Partitions Environment Deployments Conclusions	Save This page allo	ws you to s	elect the serve	ers or cluste	ers on which	n you wou	ld like to deploy this JDBC data	source.	
	Servers AdminSer Clusters Sobdx_clus Bat of	ver iter vers in the	e cluster						

Outbound credential mappings

Login Weblogic Admin Console. Click on Deployments.

-		1								
Change Center	î Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: OB							
View changes and restarts	Home >Summary of Deployments >com.ofss.digx.app.connector >Roles >com.ofss.digx.connector.rar >Summary of Deployments >com.ofss.digx.connector.rar >Roles >Summary of Deployments >com.ofss.digx.connector.rar >Summary of Environment									
Click the Lock & Edit button to modify, add or delete items in this domain.	Home Page									
Lock & Edit Release Configuration Domain Structure OBDX_INS_TEST D=Domain Partitions D=Domain Partitions D=Services S=Services D=Services D=Ser	Information and Resources Helpful Tools Configure applications Configure applications Configure advised for RAC Data Source Configure advised for RAC Data Source Recent Task Status Set your console preferences Oracle Enterprise Manager Domain Configurations	General Information Common Administration Task Descriptions Read the documentation Ask a question on My Oracle Support								
#==Diagnostics	Domain	Resource Group Templates	Interoperability							
	• Domain	Resource Group Templates	WTC Servers Jolt Connection Pools							
	Domain Partitions	Resource Groups								
	Domain Partitions	Resource Groups	Diagnostics							
How do I	Partition Work Managers		Log Files							
Search the configurationUse the Change Center	Environment • Servers	Deployed Resources Deployments	Dragnostic Modules Built-In Diagnostic Modules Diagnostic Images							
 Record WI ST ccrinte 			and the second sec							

-								15 1
Warning (0)		adf.oracle.domain.webapp.batik-bundle(1.0,12.2.1.3.0)	Active		Library	InstallerTest	Global	100
		adf.oracle.domain.webapp.guava(1.0,12.2.1.3.0)	Active		Library	AdminServer, InstallerTest	Global	100
		adf.oracle.domain.webapp.xml-apis-ext(1.0,12.2.1.3.0)	Active		Library	AdminServer, InstallerTest	Global	100
		I CAUDITADBEAR	Active	🛩 ок	Enterprise Application	InstallerTest	Global	100
		BatchResourceAdapter	Active	🛩 ок	Enterprise Application	InstallerTest	Global	100
		Scoherence-transaction-rar	Active	🛩 ок	Resource Adapter	AdminServer, InstallerTest	Global	100
		Com.ofss.digx.app.connector		🛩 ок	Enterprise Application	InstallerTest	Global	100
		Modules						
		👼 com.ofss.digx.connector.rar			Resource Adapter			
		E EJBs						
		None to display						
		Web Services						
		None to display						
		E DMS Application (12.2.1.1.0)		🛩 ок	Web Application	AdminServer, InstallerTest	Global	5
		🗄 📑 em	Active	🛩 ок	Enterprise Application	AdminServer	Global	400
		emagentsdkimplpriv_jar(12.4,12.1.0.4.0)	Active		Library	AdminServer	Global	100

Click on com.ofss.digx.app.connector > com.ofss.digx.connector.rar

Click on Security Tab > Outbound Credential Mappings

	ninistration Conso	le 12c							
Change Center	🔒 Home Log	Out Preference	es 📐 Record	Help			Q	Welcome, weblogi	c Connected
View changes and restarts	Home >Summary of Deployments >com.ofss.digx.connector.rar >Roles >Summary of Deployments >com.ofss.digx.connector.rar >Summary of Environment >Summary of Deployments >com.ofss.digx.connector.rar >Summary of Deployments >com.ofss.digx.connector.rar								
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for com.ofss.digx.connector.rar								
Lock & Edit	Overview	Configuration	Security C	ontrol 1	Testing I	Monitoring			
Release Configuration Domain Structure	This page dis	splays basic info	ormation about	this resou	irce adapte	r.			
OBDX_INS_TEST Domain Partitions	Name:	com.ofss.dig	connector.rar	-				The name of this application deployment	More Info
Deprovement Copport Copport	Source Path:	: servers/Admi	nServer/upload	d/com.ofss	s.digx.app.o	connector/a	pp/com.ofss.digx.app.connector.ear	The path to the source of the deployable Server. More Info	unit on the Ad

Click on New



Select ra/DIGXConnectorAES > Next

View changes and restarts		Home Deplo	>Summary of Deployments >com.ofss.d yments >com.ofss.digx.app.connector >S	gx.connector.rar >Roles >Summary of Deployments >com.ofss.digx.connector.rar >Summary of Environment >Summary of ummary of Deployments >com.ofss.digx.connector.rar						
Click the Lock & Edit button to modify, add or delete items in this domain.	C	reate	e a New Security Credential Mapping							
Lock & Edit Release Configuration		Back	Next Finish Cancel							
	1	Out	bound Connection Pool							
Domain Structure Which Outbound Connection Pool would you like the credential map to be associated with? Selecting Resource Adapter Default will configure the credential mapping for all Connection Pools in this resource adapter. Each Outbound Connection Pool can then configure themselves to override these credentials.										
Domain Partitions Domain Partitions		Use Customize this table Output Description: Descriptin: Descrindescription: Des								
Deployments		Crea	te a New Security Credential Map	Entry for:						
Security Realms				Showing 1 to 10 of 11 Previous						
Interoperability Diagnostics			Outbound Connection Pool 🚕							
			ra/DIGXConnectorAES							
			ra/DIGXConnectorAPNS							
			ra/DIGXConnectorBIREPORTS							
			ra/DIGXConnectorFCM							
Herry de T	1		ra/DIGXConnectorFILEUPLOAD							
HOW 00 1			ra/DIGXConnectorGENERICREST							
Create outbound credential mappings			ra/DIGXConnectorIPM_OBDX_BU							
	1		ra/DIGXConnectorIPM_OBDX_BU1							
System Status			ra/DIGXConnector3WTOKEN							
Health of Kunning Servers as of 10:57 AM			ra/DIGXConnectorMERCHANT							

Select "Default User" > Next

View changes and restarts	Home >Summary of Deployments >com.ofss.digr.connector.rar >Roles >Summary of Deployments >com.ofss.digr.connector.rar >Summary of Environment >Summary of Deployments >com.ofss.digr.connector.rar
Click the Lock & Edit button to modify, add or delete items in this domain.	Create a New Security Credential Mapping
Lock & Edit Release Configuration	Back Next Finish Cancel WebLogic Server User Image: Control of the server user Image: Control of the server user
Domain Structure OBDX_INS_TEST Domain Partitions -Environment	Select the WebLogic Server user that you would like to map an EIS user to. Selecting 'User for creating initial connections' will configure the user that will be used for creating connections when the resource adapter is first started. Selecting 'Default User' will configure the user that will be used as the default for any authenticated WebLogic Server (does not have a credential mapping specifically for them. Selecting 'User' unauthenticated user' will configure the user that will be used for an unauthenticated WebLogic Server you select 'Configured User' you must type in the WebLogic Server user that you are configuring. This user must be a configured WebLogic Server user.
Deployments Services	User for creating initial connections
Security Realms 	Default User
	Unauthenticated WLS User
	Configured User Name
	WebLogic Server User Name:
How do I	Back Next Finish Cancel
Create outbound credential mappings	
System Status	
Health of Running Servers as of 10:59 AM	

Enter "EIS User Name" should be set to AES_KEY

Enter "EIS Password" . Password should be any 16 characters.

	ministration Console 12c								
Change Center	💼 Home Log Out Preferences 🔤 Record Help	Welcome, web							
View changes and restarts	Home >Summary of Deployments >com.ofss.digx.connector.rar >Roles								
Click the Lock & Edit button to modify, add or	Create a New Security Credential Mapping	Create a New Security Credential Mapping							
Lock & Edit	Back Next Finish Cancel								
Release Configuration	EIS User Name and Password								
Domain Structure	Configure the EIS User Name and Password that you would like to map the WebLogic Server User to: * Indicates required fields								
Domain Partitions Environment Deployments	Enter the EIS User Name:								
	* EIS User Name:								
-Interoperability -Diagnostics	Enter the EIS Password:								
	* EIS Password:								
	* Confirm Password::								
How do I	Back Next Finish Cancel								
Create outbound credential mappings									

Click 'Finish'

Back Next Finish Cancel		
EIS User Name and Password		
Configure the EIS User Name and Password that you would like to map the WebLogic Server User to:		
* Indicates required fields		
Enter the EIS User Name:		
* EIS User Name:	AFS KEY	1
	ALO_ALI]
Enter the EIS Password:		
* FIC Decement		1
LIS Passworu.	•••••]
* Confirm Desculordy		1
Commin Password	•••••]
Parte Mart Finish Canad		
Back Next Finish Cancel		

Check AES_KEY mapping is created successfully.

Customize this table

Outbound Credential Mappings									
New Delete									
🖸 WLS User 🗞	EIS User	Outbound Connection Pool							
Default	AES_KEY	ra/DIGXConnectorAES							
New Delete									

Apply JRF Template

To apply JRF template follow below steps.

• To do this, ensure that the Admin Server is running. Login to the EM (Enterprise Manager) Console using the following URL:

http://<hostname>:<admin_port>/em

Note: EM console would be available on same hostname and port which was used for Weblogic Admin Console for OBAPI domain (created via installer), just replace the "/console" with "/em".

SIGN II ORAC FUSIC	NTO SLE ENTERPRISE MANAGER DN MIDDLEWARE CONTROL 12c
Domain	Domain_OBDX182_UBS140
* User Name	
* Password	
	Login to Partition
	Sign in

• Enter Weblogic administrator username and password (same used for Weblogic administrator console login)

SIGN I ORAC FUSI	N TO CLE ENTERPRISE MANA ON MIDDLEWARE CONTF	IGER ROL 12c
Domain	Domain_OBDX_INS_TEST	
* User Name	weblogic	
* Password		
	Login to Partition	
	Sign in	

Click on Sign In

ORACLE Enterprise Manager Fusion Middleware Control 12c 🕷 WebLogic Domain 💌 weblogic 💌 🚥											
BDX_IN	OBDX_INS_TEST O Auto Refresh Off •										
	🛀 🖉 WebLogic Domain 🔻 Jul 23, 2017 11:43:52 AM UTC 👌										
1 Information Certain function	Information Certain functionality on this page is available only when you own the edit session lock. To obtain the lock, click "Lock and Edit" in the Change Center menu.										
Servers			Administration Server								
1	Down	Þ	Name	AdminServ	er						
1	Up		Host	obdxwls.in.	oracle.com						
			Listen Port	9001							
Clusters			SSL Listen Port	9002							
		Þ	Servers								
	Unknown		View 👻 🎽 Create 🛛 🗙 Delete	Contro	t v Eγ						
Deployments			Name	Status	Cluster	Machine	State	Health	Listen Port	CPU Usage (%)	Hea Usag (ME
Dopioyinente			AdminServer(admin)	+			Running	ок	9001	14.99	596.5
7	Down	►	OBDX_INS1	+	InstallerTest	Host1	Shutdown	Unknown	9003	Unavailable	Unavailab
	Up		•								Þ
	Rows Selected 1 Columns Hidden 33 Servers 2 of 2										

• Click on the Managed Server (as highlighted below)

Servers

v	View 💌 👕 Create 🔀 Delete Control 💌 🛱								
	Name	Status	Cluster	Machine	State	Health	Listen Port		
	AdminServer(admin)	1			Running	ОК	9001		
	OBDX_INS1	+	InstallerTest	Host1	Shutdown	Unknown	9003		

Note : Depending on installer.properties, Managed server will differ from above screenshot.

	nager Fusion Middleware Control 12c		1	🗄 WebLogic Domain 🔻 🛛 weblogic 🔻 🚥
OBDX_INS1 0 WebLogic Server VebLogic Server Server Key Enterprise Manager features suc these features. The cluster must be or	start Up Shut Down h as monitoring, security and logging are not ava started for this operation to complete. Note that	ilable because the Java Required Files (JRF) tem he JRF template includes application deploymen	plate has not been applied to the cluster. You c is, startup and shutdown classes, as well as c	Auto Refresh Off Auto Auto Refresh Off Auto Auto
Apply JRF Template				
Information Certain functionality on this page is a	available only when you own the edit session loc	x. To obtain the lock, click "Lock and Edit" in the	Change Center menu.	×
Monitoring	General	Re	sponse and Load	*
Metrics are unavailable. Apply	Version	12.2.1.2.0		
the orth remplate.	State	Shutdown		
	Server Type	Configured		
Deployments	Cluster	InstallerTest		
7	CPU Usage (%)	Unavailable		
7 Down	Heap Usage (MB)	Unavailable		
	Java Vendor	Unavailable	11:33 AM 11:35 11:37 11:39 11:	:41 11:43 11:45 11:47
Most Requested	Java Version	Unavailable	July 25 2017	•
~	Carilate and ICDs		Request Processing Time (ms) 📲 R	equests (per minute)

• Click on "Lock and Edit" option (as shown in screenshot).

	anager Fusion Middleware Control 12c		iii	WebLogic Domain 🔻 weblogic	. •
BDX_INS1 0				🚡 🔻 🖂 💌 🛛 Auto Refresh	Off •
	Start Up 🚺 Shut Down			Edit Sessions	итс 🕹
1 Information				Lock & Edit	
Key Enterprise Manager features suc these features. The cluster must be r	ch as monitoring, security and logging are not ava restarted for this operation to complete. Note that	ilable because the Java Required Files (JRF) templ the JRF template includes application deployments	ate has not been applied to the cluster. You ca s, startup and shutdown classes, as well as cha	n View Change List	able
Apply JRF Template				View & Resolve Conflicts	
f) Information				Release Configuration	X
Certain functionality on this page is	available only when you own the edit session locl	k. To obtain the lock, click "Lock and Edit" in the Cl	hange Center menu.	Activate Changes	
Monitoring				Undo All Changes	
	General	Res	ponse and Load	View Restart Checklist	
Metrics are unavailable. Apply	Version	12.2.1.2.0		Preferences	
the orth remplate.	State	Shutdown		Help	
	Server Type	Configured			
Deployments	Cluster	InstallerTest			
	CPU Usage (%)	Unavailable			
	Heap Usage (MB)	Unavailable			
	Java Vendor	Unavailable 1:	1:34 AM 11:36 11:38 11:40 11:43 July 23 2017	2 11:44 11:46 11:48	
Most Requested	Java Version	Unavailable	•	۱.	
~	Camilate and ICDa		Request Processing Time (ms)	uests (per minute)	•

You will see below screen stating the edit session confirmation

	anager Fusion Middleware Control 12c			WebLogic Domain 💌 weblogic 💌	
OBDX_INS1 0	Start Up 🧧 Shut Down			→ ₩ Auto Refresh O Jul 23, 2017 11:47:46 AM	итс 🕥
Confirmation The edit session lock has been acqu	uired. No pending changes exist.				×
Information Key Enterprise Manager features suc these features. The cluster must be r Apply JRF Template	h as monitoring, security and logging are not ava estarted for this operation to complete. Note that t	ilable because the Java Required Files (JRF) templ the JRF template includes application deployments	ate has not been applied to the cluster. ` s, startup and shutdown classes, as well	fou can apply the JRF template now to enal as changes to the system classpath.	ble
Monitoring	General	Res	conse and Load		1
Metrics are unavailable. Apply the JRF Template.	Version	12.2.1.2.0 Shutdown			
Deployments	Server Type	Configured			
7	CPU Usage (%)	Unavailable			
7 Down	Heap Usage (MB)	Unavailable			
Most Requested	Java Vendor Java Version	Unavailable	11:35 AM 11:37 11:39 11:41 July 23 2017	1 11:43 11:45 11:47 11:49	
~			Request Processing Time (ms)	Requests (per minute)	Ŧ

• Click on "Apply JRF Template" option (as shown in screenshot).

	anager Fusion Middleware Control 12c		🗮 WebLogic Domain 💌 🛛 weblogic 💌
CBDX_INS1 0 → WebLogic Server ▼	Start Up 📃 Shut Down		→ ✓ ✓ Auto Refresh Off Jul 23, 2017 11:47:46 AM UTC
Confirmation The edit session lock has been acqu	uired. No pending changes exist.		
 Information Key Enterprise Manager features such these features. The cluster must be r 	ch as monitoring, security and logging are not ava estarted for this operation to complete. Note that	ilable because the Java Required Files (JRF) templa the JRF template includes application deployments,	te has not been applied to the cluster. You can apply the JRF template now to enable startup and shutdown classes, as well as changes to the system classpath.
Apply JRF Template			
Monitoring	General	Resp	onse and Load
Metrics are unavailable. Apply	Version	12.2.1.2.0	
the SAF Template.	State	Shutdown	
	Server Type	Configured	
Deployments	Cluster	InstallerTest	

Is JRF successfully applied, you will get below Confirmation.



	nager Fusion Middleware Control 12c			WebLogic Domain 💌 🛛 weblogic	c 🔻 🔹
				🔒 🔻 🔣 💌 🛛 Auto Refresh	Off
R WebLogic Server 🔹 🕨 S	Start Up 📃 Shut Down			Edit Sessions	итс 📢
📀 Confirmation				Lock & Edit	(
The JRF Template has been success	fully applied to cluster InstallerTest. The changes	s are pending activation. Use the Activate Chan	ges menu item in Change Center to activate the p	en View Change List	
After activation, the cluster must be Refreshed timestamp) to display the	restarted for this operation to complete. Some int most recent information.	formation provided by the JRF template may no	t be immediately available. Use the Enterprise M	ana View & Resolve Conflicts	age
				Release Configuration	
Monitoring	General	R	esponse and Load	Activate Changes	1.1
	Version	12.2.1.2.0		Undo All Changes	
Hetrice Upgueilable	State	Shutdown		View Restart Checklist	
metrics onavailable	31416	Shardown		Preferences	
	Server Type	Configured		Help	
Deployments	Cluster	InstallerTest			۲.
7	CPU Usage (%)	Unavailable			
Down	Heap Usage (MB)	Unavailable			
	Java Vendor	Unavailable	11:37 AM 11:39 11:41 11:43 11:4	15 11:47 11:49 11:51	
Most Requested	Java Version	Unavailable	July 25 2017	•	
0 Requests Processed	Servlets and JSPs		Request Processing Time (ms)	quests (per minute) Table	• View
	Active Sessions	Unavailable	JBs		

• Click on "Activates Changes" option (as shown in screenshot).

Post activation you will receive below Confirmation.

	anager Fusion Middleware Control 12c					te Wel	bLogic Dom	ain 🔻	weblogic 🔻	
← OBDX_INS1 0	Start Up 📕 Shut Down					î	ی م	 Auto Auto Auto 	Refresh O	ff • итс �
Confirmation All changes have been activated. The edit session lock has been released.										X
() Information Certain functionality on this page is	available only when you own the edit session lock	x. To obtain the lock, click "Lock and Edit" in the	Change Center mer	ıu.						×
Monitoring	General	Re	sponse and Loa	d						Â
📕 🖡	Version	12.2.1.2.0								
Metrics Unavailable	State	Shutdown								
	Server Type	Configured								
Deployments	Cluster	InstallerTest								
7 Dave	CPU Usage (%)	Unavailable								
7 Down	Heap Usage (MB)	Unavailable								
	Java Vendor	Unavailable	11:38 AM 11:40	11:42	11:44	11:46	11:48	11:50	11:52	
Most Requested	Java Version	Unavailable	<						Þ	
0 ►	Serviets and JSPs		Reque	st Processing T	Fime (ms)	Requests	(per minute)	Table Vie	w
~		EJ	Bs							•

Configuring the Connector Credential Store

This step is required to setup the encryption key required for encryption of certain sensitive data within the OBAPI application.

For more information, refer the Oracle Banking Digital Experience Connector Credential Store Guide.pdf

Functionality / Module	OutBound Connection Pool Name
VAM	ra/DIGXConnectorOBVAM

Configure User Lockout attributes in Weblogic

The User Lockout attributes in Weblogic under Home>Security Realms>myrealm need to be in sync with the Password Policy Maintained in LDAP or DBAuthenticator.In case of DBAuthenticator it has to be in sync with Password Policy Maintenance in OBAPI.

Check for below values & change accordingly.

1]Lockout Threshold : It should be equal to Invalid attempts of Password Policy Maintenance.

2]Lockout Duration : It should be equal to property under prop_id "USER_LOCK_PERIOD" maintained in DIGX_FW_CONFIG_ALL_B table.

In case of OUD or other LDAP it needs to be sync with the Password Policy configured in LDAP. For e.g.: Refer to below values configured in OUD.

Lockout and History					
	Lockout Failure Count	5 🗘			
	Password Lockout Duration	20 🗘	days	٠	
	Lockout Soft Failure Count	0 *			

Once the values are available, make appropriate change in respective highlighted configuration.

	inistration Console 12c										
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: OBDX_INS								
View changes and restarts	Home >Summary of Security Realms >myrealm										
Click the Lock & Edit button to modify, add or	Settings for myrealm										
delete items in this domain.	Configuration Users and Groups Roles and Policie	S Credential Mappings Providers Migration									
Release Configuration	General RDBMS Security Store User Lockout	reformance									
Domain Structure	Click the Lock & Edit button in the Change Center to n	odify the settings on this page.									
OBD_NIS_TEST @=Domain Partitions @=convionment ==Deployments @=Services ==Security Realms @=Intercoperability @=Diagnostics	Password guessing is a common type of security attack Weblogic Server provides a set of attributes to protect dc Lockout Enabled dc Lockout Threshold:	. In this type of attack, a hacker attempts to log in t ser accounts from intruders. This page allows us to	 a computer using various combinations of usernames and passwords. define how user lockouts will be handled in this security realm. Specifies whether the server locks users out when there are invalid logi attempts on their account. More Info The maximum number of consecutive invesid login attempts that can or their maximum number of consecutive invesid login. 								
	🖑 Lockout Duration:	30	The number of minutes that a user's account is locked out. More Info.								
How do I	🕂 Lockout Reset Duration:	5	The number of minutes within which consecutive invalid login attempts cause a user's account to be locked out. More Info								
Set user lockout attributes Unlock user accounts	街 Lockout Cache Size:	5	The maximum number of invalid login records that the server can place								

Save and Activate Changes

Restart AdminServer

OBAPI Application logging

To enable OBAPI activation logging make below change to logging.xml present at \${domain.home}/config/fmwconfig/servers/\${ManagedServer}.

[devops@		~]\$	cd /hom	ne/devo	ops/do	oma	ain/OBI	DX182_UBS140/config/fmwconfig/servers/OBDX_UBS141/
[devops@		OBDX	UBS141	l]\$ ls	-ltr			
total 36								
drwxr-x	2 (devops	devops	4096	Jul	4	06:33	diagnostics-registration
drwxr-x	2 (devops	devops	4096	Jul	4	06:33	
-rw-r	1 (devops	devops	2286	Jul	4	06:33	dms_config.xml
drwxr-x	2 (devops	devops	4096	Jul	4	06:33	dfw
-rw-r	1 (devops	devops	1796	Jul	4	06:33	dfw_config.xml
-rw-r	1 (devops	devops	11250	Jul	4	06:33	logging.xml
-rw-r	1 (devops	devops	109	Jul	4	06:35	loggers.exclude
[devops@		OBDX	UBS141	1]\$				

Open logging.xml and make a new entry under <log_handlers> tag using below code template:

<log_handler name='obdx-handler' level='<LOGLEVEL>' class='oracle.core.ojdl.logging.ODLHandlerFactory'>

<property name='path' value='<path for OBAPI log>/<OBAPI log filename>' />

<property name='maxFileSize' value='<The maximum size in bytes for each log file>' />

<property name='maxLogSize' value='<The maximum size in bytes for the entire log>'/>

<property name='encoding' value='<encoding>' />

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

<property name='supplementalAttributes' value='<supplementalAttributes>' />

</log_handler>

Below is a sample implementation for log_handlers file.

<log_handler name='obdx-handler' level='ERROR' class='oracle.core.ojdl.logging.ODLHandlerFactory'>

<property name='path' value='\${domain.home}/servers/\${weblogic.Name}/logs/obdx.log' />

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

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

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

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

<property name='supplementalAttributes'</pre>

value='J2EE_APP.name,J2EE_MODULE.name,WEBSERVICE.name,WEBSERVICE_PORT.name,compos ite_instance_id,component_instance_id,composite_name,component_name' />

</log_handler>

@ @obdxwls:~/domain/08DX_INS_TEST/config/fmwconfig/servers/08DX_INS1	-		×
xml version='1.0' encoding='UTF-8'?			~
<logging configuration=""></logging>			
<log handlers=""></log>			
<log class="oracle.core.ojdl.logging.ODLHandlerFactory" handler="" level="ERROR" name="ofss-handler"></log>			
<property name="path" value="\${domain.home}/servers/\${weblogic.Name}/logs/obdx.log"></property>			
<property name="maxFileSize" value="10485760"></property>			
<property name="maxLogSize" value="104857600"></property>			
<property name="encoding" value="UTF-8"></property>			
<property name="useThreadName" value="true"></property>			
<pre><pre>cpropertyname='supplementalAttributes' value='J2EE_APP.name,J2EE_MODULE.name,WEBSERVICE_name,WEBSERVICE_PORT.name,composite_instance_</pre></pre>	id, co	ompone	nt_
instance_id,composite_name,component_name' />			
<log_handler class="oracle.core.ojdl.logging.ConsoleHandler" formatter="oracle.core.ojdl.weblogic.</td><td>Conse</td><td>oleFor</td><td>mat</td></tr><tr><td>ter" level="WARNING:32" name="console-handler"></log_handler>			
<pre><log_handler <="" class="oracle.core.ojdl.logging.ODLHandlerFactory" filter="oracle.dfw.incident.IncidentDetectionLogFilter" name="odl-handler" pre=""></log_handler></pre>			
<property name="path" value="\${domain.home}/servers/\${weblogic.Name}/logs/\${weblogic.Name}-diagnostic.log"></property>			
<property name="maxFileSize" value="10485760"></property>			
<property name="maxLogSize" value="104857600"></property>			
<property name="encoding" value="UTF-8"></property>			
<property name="useThreadName" value="true"></property>			
<property name="supplementalAttributes" value="DSID,J2EE_APP.name,J2EE_MODULE.name,WEBSERVICE_name,WEBSERVICE_PORT.name,oracle.soa.trackin</td><td>ig.Flo</td><td>owId,o</td><td>rac</td></tr><tr><td>le.soa.tracking.InstanceId,oracle.soa.tracking.SCAEntityId,oracle.soa.tracking.FaultId,oracle.soa.tracking.RetryCount,composite_name"></property>			
<log_handler class="oracle.core.ojdl.weblogic.DomainLogHandler" level="WARNING" name="wls-domain"></log_handler>			
<log_handler class="oracle.core.ojdl.logging.ODLHandlerFactory" name="owsm-message-handler"></log_handler>			
<property name="path" value="\${domain.home}/servers/\${weblogic.Name}/logs/owsm/msglogging/diagnostic.log"></property>			\sim

Add loggers under <loggers> tag using below template:

```
<logger name='com.ofss' level='ERROR' useParentHandlers='false'>
```

```
<handler name='obdx-handler' />
```

</logger>

```
logger name='#BANKCODE#.com.ofss' level='ERROR' useParentHandlers='false'>
```

<handler name='obdx-handler' />

```
</logger>
```

Note: Replace the #BANKCODE# with bank code.

Below is a sample implementation for loggers file

<logger name='com.ofss' level='ERROR' useParentHandlers='false'>

<handler name='obdx-handler' />

</logger>

<logger name='000.com.ofss' level='ERROR' useParentHandlers='false'>

<handler name='obdx-handler' />

```
</logger>
```

Pobdxwls-/domain/OBDX_INS_TEST/config/fmwconfig/servers/OBDX_INS1	-	×
		^
<loggers></loggers>		
<logger level="ERROR" name="com.ofss" useparenthandlers="false"></logger>		
<handler name="ofss-handler"></handler>		
<logger level="ERROR" name="000.com.ofss" useparenthandlers="false"></logger>		
<handler name="ofss-handler"></handler>		
<logger level="WARNING:1" name="" useparenthandlers="true"></logger>		
<handler name="odl-handler"></handler>		
<handler name="wls-domain"></handler>		
<handler name="console-handler"></handler>		
<logger level="NOTIFICATION:1" name="oracle" useparenthandlers="true"></logger>		
<logger name="oracle.adf" useparenthandlers="true"></logger>		
<logger name="oracle.adf.desktopintegration" useparenthandlers="true"></logger>		
<logger name="oracle.adf.faces" useparenthandlers="true"></logger>		
<logger name="oracle.adf.controller" useparenthandlers="true"></logger>		
<logger name="oracle.adfinternal" useparenthandlers="true"></logger>		
<logger name="oracle.adfinternal.controller" useparenthandlers="true"></logger>		
<logger name="oracle.jbo" useparenthandlers="true"></logger>		
<logger name="oracle.adfdt" useparenthandlers="true"></logger>		
<logger name="oracle.adfdtinternal" useparenthandlers="true"></logger>		
<logger name="oracle.wsm" useparenthandlers="true"></logger>		
<logger level="NOTIFICATION:1" name="oracle.wsm.msg.logging" useparenthandlers="false"></logger>		\sim

Eclipselink logging

To modify eclipselink logging make changes in <INSTALLATION_HOME>\config\META-INF\persistence.xml using below link :

https://wiki.eclipse.org/EclipseLink/Examples/JPA/Logging

Bobdxwls:~/obdx/config/META-INF	-	×
[/ META-INF]\$ [META-INF]\$		^
META-INF]\$ pwd		
/home/devops/obdx/config/META-INF		~

8	Å ©obdwks:~/obdx/config/META-INF	-	
[META-INF)\$ cat persistence.xml		~
</td <td>xml version="1.0" encoding="UTF-8" standalone="no"?></td> <td></td> <td></td>	xml version="1.0" encoding="UTF-8" standalone="no"?>		
<p< td=""><td>ersistence xmlns="http://java.sun.com/xml/ns/persistence" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" version="2.0" xsi:schemaLocation="http://java.sun.com/xml/ns/pers</td><td>isten</td><td>ce http:/</td></p<>	ersistence xmlns="http://java.sun.com/xml/ns/persistence" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" version="2.0" xsi:schemaLocation="http://java.sun.com/xml/ns/pers	isten	ce http:/
a.,	sun.com/xml/ns/persistence/persistence 2 0.xsd">		
	<pre><pre>sistence-unit name="DIGX" transaction-type="JTA"></pre></pre>		
	<jta-data-source>DIGX</jta-data-source>		
	<mapping-file>META-INF/generic-mapping.orm.xml</mapping-file>		
	<properties></properties>		
	<property name="eclipselink.logging.level" value="WARNING"></property>		
	<property name="eclipselink.logging.file" value="jpa-eclipselink.log"></property>		
	<property name="eclipselink.jdbc.connector" value="com.ofss.fc.infra.das.orm.eclipselink.EclipseLinkConnector"></property>		
	<property name="eclipselink.target-server" value="WebLogic"></property>		
	<property name="eclipselink.session.customizer" value="com.ofss.digx.infra.das.orm.eclipselink.EclipseLinkSessionCustomizer"></property>		
	<pre><pre>sistence-unit name="BATCH" transaction-type="RESOURCE_LOCAL"></pre></pre>		
	<mapping-file>META-INF/generic-mapping.orm.xml</mapping-file>		
	<properties></properties>		
	<property name="eclipselink.logging.level" value="WARNING"></property>		
	<property name="eclipselink.logging.file" value="jpa-eclipselink-batch.log"></property>		
	<property name="eclipselink.jdbc.connector" value="com.ofss.fc.infra.das.orm.eclipselink.EclipseLinkConnector"></property>		
	<property name="eclipselink.target-server" value="WebLogic"></property>		
	<property name="eclipselink.session.customizer" value="com.ofss.digx.infra.das.orm.eclipselink.EclipseLinkSessionCustomizer"></property>		
	<prsistence-unit name="NONXA" transaction-type="RESOURCE_LOCAL"></prsistence-unit>		
	<non-jta-data-source>NONXA</non-jta-data-source>		
	<mapping-file>META-INF/generic-mapping.orm.xml</mapping-file>		
	<properties></properties>		
	<property name="eclipselink.logging.level" value="WARNING"></property>		
	<property name="eclipselink.logging.file" value="jpa-eclipselink-nonxa.log"></property>		
	<property name="eclipselink.jdbc.connector" value="com.ofss.fc.infra.das.orm.eclipselink.EclipseLinkConnector"></property>		
	<property name="eclipselink.target-server" value="WebLogic"></property>		
	<property name="eclipselink.session.customizer" value="com.ofss.digx.infra.das.orm.eclipselink.EclipselinkSessionCustomizer"></property>		
L.	META-INF J S		V

Change logging level during runtime

To change OBAPI application logging level at runtime (when OBAPI application is up and running) do following steps.

To do this, ensure that the Admin Server is running. Login to the EM (Enterprise Manager) Console using the following URL:

http://<hostname>:<admin_port>/em

Note: EM console would be available on same hostname and port which was used for Weblogic Admin Console for OBAPI domain (created via installer), just replace the "/console" with "/em".

SIGN I ORA I FUSI	N TO CLE ENTERPRISE MANAGER ON MIDDLEWARE CONTROL 12c
Domain	Domain_OBDX182_UBS140
User Name * Password	
	Login to Partition
	Sign in

Click on obdx-server

Note : Depending on installer.properties, Managed server will differ from above screenshot.

	Anager Fusion Middleware Control 12c								
base_domain 0									
Information Certain functionality on this page is	s available only when you own the edit sessio	on lock. To obtain the lo	ock, click "Lock and Edit" in the Change C	Center menu.					
Servers	Administration Server								
2 Up		Name Adm Host obdx Listen Port 7001	inServer .weblogic.docker						
Clusters	Servers								
0 Clusters	View v Create Delete	Control v Er			Status	Cluster	Machine	State	Health
Dealaumanta	AdminServer(admin)				+			Running	Failed
Deproyments	obdx-server				+		Machine1	Running	Failed
5 Up									
Domain Partitions									
Domain Partitions									
O Resource Group Templates									

• In Weblogic Domain menu click on Logs -> Logs Configurations

OP		anager Eurion I	Jiddawaa Control 12c								15 WebLog	pic Domain 👻	weblogic v	
Un	Cherphise ma	anager rusion i	widdieware Control 120											
	1 obdx-server 0										10 -	🛃 🔻 🗛	o Refresh Off	r *
	📇 WebLogic Server 👻 🌗 S	Start Up 📃 S	hut Down									Jul 4, 201	7 9:26:27 AM U	C on
1 Infc	Home													×
Cert	Monitoring	•	en you own the edit session	I lock. To obtain the lock, clic	k "Lock and Edit" in the Change Center m	enu.								
Monit	Diagnostics	•				Resp	onse and Load							^
Reg	Control	•		Up Since	Jul 3. 2017 12:07:13 PM	1.0								-11
	Logs	•	View Log Messages	Vareion	122100	0.6								-11
	Deployments		Log Configuration		12.2.1.0.0	0.4								-11
Depic	JDBC Data Sources			State	Kunning	0.3								
Depre	Web Services	,		Health	OK 🗸	0.0							0.8	
	Other Services	,		Server Type	Administration Server								0.6	
	Administration	•		CPU Usage (%)	2.37								0.4	2 H.
	System MBean Browser			Heap Usage (MB)	956.56		09:13 AM 09:15	09:17	09:19 09	P:21 0	9:23	09:25	0.0	11
Most	WebLogic Server Administration	ion Console		Java Vendor	Oracle Corporation		4						•	-11
	Target Sitemap			Java Version	1.8.0_101			Request Processin	ng Time (ms) 🔳 Reques	sts (per minute)			-	
	Target Information					E.IBs							lable View	11
		Serviets and	i JSPs							Baans in Use				-11
				Active Sessions	0					beans in ose				-11
			Rec	quest Processing Time (ms)	0				Bean Accesses	(per minute)	1.00			-11
				Requests (per minute)	0.00				Bean Access St	uccesses (%)	1.00			-11
		Work Manager						Bean	Transaction Commits	(per minute)	1.00			-11
		work manag	fer					Bean	Transaction Rollbacks	(per minute)	0.00			-11
				Requests (per minute)	580.05			Bean	Transaction Timeouts	(per minute)	1.00			-11
				Pending Requests	1				Bean Transaction	Commits (%)	.00			-11
		JDBC and J	TA Usage											
				Open JDBC Connections	0	JMS								
			JDBC Come	vertion Creates (per minute)	0.05					JMS Servers				
			JDBC Com	record creates (per minute)	0.02				Pendi	na Messages)			٠

• Select the logger and change the logging level and then click on apply.

ORACLE Enterprise Manager Fusion Middleware Control 12c									
t obdx-server O B WebLogic Server V Start Up	ter obdx-server ● ► WebLogic Server ▼								
/Domain_base_domain/base_domain/obdx-server > Log Configuration									
View Runtime Loggers •									
Search All Categories V		0	٩,						
Logger Name	Oracle Diagnostic Logging Level (Java Level)	Log File	Persistent Log Level State						
A Root Logger	ERROR:1 (SEVERE)	ofss-handler	ERROR:1						
▶ 000	ERROR:1 (SEVERE) [Inherited fi 🔻	ofss-handler							
⊿ 08	ERROR:1 (SEVERE) [Inherited fi 🔻	ofss-handler							
▶ 08.com.ofss	ERROR:1 (SEVERE)	ofss-handler	ERROR:1						
ExampleApplication:Encoder	ERROR:1 (SEVERE) [Inherited fi *	ofss-handler							
LifeCycle	ERROR:1 (SEVERE) [Inherited fi 🔻	ofss-handler							
Security	ERROR:1 (SEVERE) [Inherited fi 🔻	ofss-handler							
ServiceLoader	ERROR:1 (SEVERE) [Inherited fi 🔻	ofss-handler							
▶ com	ERROR:1 (SEVERE) [Inherited fi 🔻	ofss-handler							
global	ERROR:1 (SEVERE) [Inherited fi *	ofss-handler							
▶ io	ERROR:1 (SEVERE) [Inherited fi 🔻	ofss-handler							
▶ javax	ERROR:1 (SEVERE) [Inherited fi 🔻	ofss-handler							
▶ jersey	ERROR:1 (SEVERE) [Inherited fi 🔻	ofss-handler							
▶ jmxfmw	ERROR:1 (SEVERE) [Inherited fi 🔻	ofss-handler							
▶ oracle	NOTIFICATION:1 (INFO)	ofss-handler	NOTIFICATION:1						
▶ org	ERROR:1 (SEVERE) [Inherited fi 🔻	ofss-handler							

Note : Logger name should be defined in logging.xml.

Oracle FLEXCUBE Universal Banking (OBAPI with UBS)

If during installer execution Oracle FLEXCUBE Universal Banking (OBAPI with UBS) is selected, then below steps needs to be done manually.

Foreign Server

• Login into Weblogic Admin console (OBAPI domain created using installer) and Browse to Summary of JMS Modules > UBSSystemModule (as shown below)

ummary of JMS Modules				
JMS system resources are configured and stored i configure and manage JMS system modules as gli This page summarizes the JMS system modules th	as modules similar to standard Java EE obal system resources. hat have been created for this domain.	modules. Such resources include queu	es, topics, connection factories, te	mplates, destination keys, quota, distri
Customize this table				
JMS Modules (Filtered - More Columns Exist) Click the <i>Lock & Edit</i> button in the Change Cente) er to activate all the buttons on this pag	е,		
New Delete				
🔲 Name 🗇				Туре
AuditJMS				JMSSystemResource
FileUploadJMS				JMSSystemResource
ReportsJMSModule				JMSSystemResource
UBSSystemModule				JMSSystemResource
New Delete				
tings for UBSSystemHodule infiguration Subdeployments Targets Security Holes This page displays general information about a 3HS system module and its re	ssources. It also allows you to configure new resources and u	scces existing resources.		
ame:	UBSSystemModule		The name of this JMS system module. More In	fo
ope:	Global		Specifies if the JMS system module is accessible	within the domain, a partition, or a resource group templat
scriptor File Name:	jms/ubssystemmodule-jms.xml		The name of the JMS module descriptor file. M	lore Info
his page summarizes the 3HS resources that have been created for this 3HS instomize this table ummary of Resources lick the <i>Lock & Edit</i> button in the Change Center to activate all the buttons	system module, including queue and topic destinations, cor on this page.	nnection factories, JMS templates, destination sort keys, de	astination quota, distributed destinations, foreign ser	rvers, and store-and-forward parameters.
New Delete				Showing 1 to
Name 🏟	Туре	JNDI Name	Subdeployment	Targets
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vew Delete				Showing :

• Click on UBSForeignServer

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A foreign server represents a JNDI provider that resides outside a WebLogic Server. It contains information that allows WebLogic Server to reach the remote JNDI provider. This way, a number of coreign server.

街 Name:	UBSForeignServer
JNDI Initial Context Factory:	weblogic.jndi.WLInitialConte:
JNDI Connection URL:	13:// <ehms_wls_server>:<ehms_wls_server_port>/</ehms_wls_server_port></ehms_wls_server>
JNDI Properties Credential:	
Confirm JNDI Properties Credential:	
JNDI Properties:	
java.naming.security.principal= <ehms_wls_username></ehms_wls_username>	

Set below configurations with:

JNDI Connection URL –Replace <EHMS_WLS_SERVER> with hostname or IP address of UBS HOST Weblogic server and <EHMS_WLS_SERVER_PORT> with port number of UBS HOST Weblogic Managed server (where NOTIFY_DEST_QUEUE and NOTIFY_DEST_QUEUE_FCDB are mapped). JNDI Properties Credential – Password for username set in JNDI properties

Confirm JNDI Properties Credential – Confirm password for username set in JNDI properties

JNDI Properties – Value to be set as "java.naming.security.principal=<EHMS_WLS_USERNAME>", where

username is the login user of UBS Weblogic Admin Console (user which created the primary local queues for UBS).

Click on Save

Settings for UBSForeignServer		
Configuration Subdeployment Notes		
General Destinations Connection Factories		
Save		
A foreign server represents a JNDI provider that resides outs foreign server.	de a WebLogic Server. It contains information that allows WebLogic Server to reach the remot	e JNDI provider. This way, a number of connection factory and destination objects (queues or topics) can be defined on one JN
👸 Name:	UBSForeignServer	The name of this foreign server. More Info
JNDI Initial Context Factory:	weblogic indi.WLInitialConte:	The name of the class that must be instantiated to access the JNDI provider. This of the vendor that are being used. More Info
서 JNDI Connection URL:	13://10.184.135.59:7860/	The URL that WebLogic Server will use to contact the JNDI provider. The syntax of being used. For WebLogic JMS, leave this field blank if you are referencing WebLog Info
JNDI Properties Credential:	••••••	Any Oredentials that must be set for the 300 provider. These Oredentials will be ap the constructor for the 3000 provider's initialContext class. Note: For secure oreden the "rooperties field results in the received and deplayed as originally
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🔲 🕂 Default Targeting Enabled		Specifies whether this JMS resource defaults to the parent module's targeting or us mechanism. More Info
<u>San</u>		
Home >Summary of JMS Modules >UBSSystemModule >Summa lessages	ry of JMS Modules >UBSSystemModule >Summary of JMS Modules >UBSSystemModule >UBSFor	eignServer >Configuration >NOTIFY_DEST_QUEUE_FCDB >UBSForeignServer
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ettings for UBSForeignServer		
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🕼 Name:	UBSForeignServer	The name of this foreign server. More Info
JNDI Initial Context Factory:	weblogic.jndi.WLInitialConte:	The name of the class that must be instantiated to access the JNDI pr the vendor that are being used. More Info
윤 JNDI Connection URL:	13://10.184.135.59.7860/	The URL that WebLogic Server will use to contact the JNDI provider. T being used. For WebLogic JMS, leave this field blank if you are referen Info
JNDI Properties Credential:		Any Credentials that must be set for the JNDI provider. These Credent the constructor for the JNDI provider's InitialContext class. Note: For s the Properties field results in the credential being stored and displayed
Confirm JNDI Properties Credential:		
JNDI Properties: java.naming.security.principal=infra		Any additional properties that must be set for the JNDI provider. Thes JNDI provider's InitialContext class. Here Info
🗌 🕂 Default Targeting Enabled		Specifies whether this JMS resource defaults to the parent module's ta mechanism. More Info

Save

• Click on Activate Changes

ORACLE WebLogic Server Adr	ministration Console 12c		
Change Center	🏚 Home Log Out Preferences 🖾 Record Help 📗	9	Welcom
View changes and restarts	Home > Summary of 2MS Modules >UBSSystemPhodule > Sur	nmary of 3HS Hodules >UBSSystemHodule >Summary of 3HS Hodules >UBSSystemHodule >UBSFore	rgnServer >Configuration >NOTIFY_DEST_QUEUE_FCDE > UBSForeignServer
Pending changes exist. They must be activated	Settings updated successfully.		
Activate Changes	Caller for the Caller		
Undo All Changes	Sectings for Outst oregulatever		
	Configuration Subdeployment Notes		
Domain Structure	General Destinations Connection Factories		
B Domain Partitions	Save		
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	(ward)		
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View changes and restarts	Home +Summary of 2HS Modules + UBSSystemHodule + 5	ummary of 3MS Modulas > UBSSystemModula > Summary of 3MS Modulas > UBSSystemModula > UBSPs	regidener >Configuration >NOTIPY_DEST_QUEUE_FCD8 >UBBForeignServer
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Domain Structure	General Destinations Connection Pactories		
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Deployments	(See		
181: Services 	A foreign server represents a 3ND1 provider that resi foreign server.	ides outside a WebLogic Server. It contains information that allows WebLogic Server to reach	the remote 2RDI provider. This way, a number of connection factory and destination objects (queues or topics) can be defined on one 2RI
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	JNDI Initial Context Factory:	weblogic indi WLInitialConte:	1 *
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Create foreign connection factories Create foreign destinations	3NDI Properties Credential:	******	Any Condentials that must be set for the INDE previder. These Condentials will be par the constructor for the INDE provider's InitialContext class. Noter for exercise conduct the Properties field reacts in the condential being partners and displayed as arignably
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	Default Targeting Enabled		Specifies whether this 2HS resource defaults to the parent module's targeting or use mechanism. More bids
	(Water)		

Deployment of notification MDB application

Before deployment of obdx.externalsystem.ubs.notification.mdb.ear application, kindly perform below steps:

 Open the obdx.externalsystem.ubs.notification.mdb.ear (EAR file is available <OBAPI INSTALLER DIR>/installables/app/components/ubs/deploy/obdx.externalsystem.ubs.notification.mdb.ear) using any archiving tools (i.e.: 7-zip)

Name	Size	Packed Size	Modified	Created	Accessed	Attributes	Encrypted	Comment
APP-INF	3 783 283	3 350 626	2017-05-19 11:57			D drwxr-xr-x	-	
META-INF	1 660	862	2017-07-21 11:29			D drwxr-xr-x	-	
🗟 com.ofss.extsystem.ubs.notification.jar	481 333	398 219	2017-07-21 11:29			-rw-rr	-	

• Double click on com.ofss.extsystem.ubs.notification.jar

Name	Size	Packed Size	Modified	Created	Accessed	Attributes	Encrypted	Comment	
com	1 193 325	381 587	2017-07-21 11:27			D drwxr-xr-x	-		
META-INF	4 543	1 808	2017-07-21 11:27			D drwxr-xr-x	-		
////wsconfig.properties	1 420	288	2017-07-21 11:27			-rw-rr	-		

• Open the wsconfig.properties to edit

Name			Size	Packed Size	Modified	Created	Acce
com			1 193 325	381 587	2017-07-21 11:27		
META-INF			4 543	1 808	2017-07-21 11:27		
wsconfig.prope	rties		1 420	288	2017-07-21 11:27		
	Open	Enter					
	Open Inside	Ctrl+PgDn					
	Open Outside	Shift+Enter					
	View	F3					
	Edit	F4					
	Rename	F2					
	Copy To	F5					
	Move To	F6					
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wsconfig.properties - Notepad —	×
Eile Edit Format ⊻iew Help	
NertProcessorService.service:AlertProcessorService	~
AlertProcessorService.namespace:http://host.service.alerts.appx.digx.ofss.com/	
AlertProcessorService.url:http:// <obdx_wls_hostname>:<0BDX_WLS_MS_PORT>/obdx/AlertProcessorService?wsdl</obdx_wls_hostname>	
AlertProcessorService.stubClass:com.ofss.digx.appx.alerts.service.host.AlertProcessorService	
AlertProcessorService.endpointName:AlertProcessorPort	
AlertProcessorService.stubService:com.ofss.digx.appx.alerts.service.host.AlertProcessorService	
AlertProcessorService.proxyClassName:com.ofss.digx.appx.alerts.service.host.HostAlertProcessor	
AlertProcessorService.timeOut:1200000	
AlertProcessorService.targetUnit <entity_id></entity_id>	
FileProcessedNotifProcessorService.FileProcessedNotifProcessorService	
FileProcessedNotifProcessorService.namespace:http://host.service.fileupload.appx.digx.ofss.com/	
FileProcessedNottiProcessorService.uri.http://	
FileProcessedNottiProcessorService.stubClass.com.otss.digr.appx.tileupload.service.host.FileProcessedNottiProcessorService	
FileProcessedNottProcessorService.endpointName:FileProcessedNottIncationProcessorPort	
FileProcessedNotiProcessorservce.stubservce.com.otss.aigx.appx.tileuploaa.service.nost.FileProcessedNotiProcessorservce	
FileProcessedNotificacessorService.proxyClassName.com.orss.algx.appx.tileupload.service.nost.FileProcessedNotificationProcessor	
FileProcessedNotilProcessorService.timeOut1200000	

 Change the URL for AlertProcessorService.url,FileProcessedNotifProcessorService.url and AlertProcessorService.targetUnit(Note the hostname and port should be of OBAPI managed server created by installer. Entity ID should be OBDX_BU for Base entity)



- Save changes.
- Click OK.

Name com META-INF wsconfig.properties	Size 1 193 325 4 543 1 420	Packed Size 381 587 1 808 288	Modified 2017-07-21 11:27 2017-07-21 11:27 2017-07-21 11:27	Created	Accessed	Attributes D drwxr-xr-x D drwxr-xr-x -rw-rr	Encrypted - -	Comment	
	7-Zip 7-Zip File 'w Do you	iconfig.propertie want to update OK	es' was modified. it in the archive?	×					

• Navigate back to obapi.externalsystem.ubs.notification.mdb.ear

was county into copy more poore and									
2									v
Name	Size	Packed Size	Modified	Created	Accessed	Attributes	Encrypted	Comment	
com	1 199 325	381 587	2017-07-21 11:27			D drear-sr-s			
META-INF	4 543	1 808	2017-07-21 11:27			D dreat-st-x	-		
wsconfig.propeties	1.420	288	2017-07-21 11:27			-04-0-0-			
Click OK									
Name	Size	Packed Size	Modified	Created	Accessed	Attributes	Encrypted	Comment	
com	1 193 325	381 587	2017-07-21 11:27			D drwxr-xr-x			
META-INF	4 543	1 808	2017-07-21 11:27			D drwxr-xr-x	-		
	1 421	288	2017-07-25 21:06	2017-07-25 21:03	2017-07-25 21:03	A	-		
7-Zip				×					
	File 'com.ofss.e Do you want to	xtsystem.ubs.not update it in the a	ification.jar' was m irchive?	odified.					
			ОК	Cancel					

The date-timestamp would be updated (as seen below) once the change is saved.

Name	Size	Packed Size	Modified	Created	Accessed	Attributes	Encrypted Comment
APP-INF	3 783 283	3 350 626	2017-05-19 11:57			D drwxr-xr-x	-
META-INF	1 660	862	2017-07-21 11:29			D drwxr-xr-x	-
🗟 com.ofss.extsystem.ubs.notification.jar	481 369	398 685	2017-07-25 21:07	2017-07-25 21:07	2017-07-25 21:07	А	-
1							

Deploy the updated obapi.externalsystem.ubs.notification.mdb.ear using below steps.

 Login into Weblogic Admin Console (OBAPI domain created using installer) and navigate to Deployments

ORACLE WebLogic Server Ad	minis	ation Console 12c							õ
Change Center	1	Home Log Dut Preferences 🔤 Record Help						Welcome, weblog	ic Connected to: OBDX_INS_TEST
View changes and restarts		ame > Summary of JMS Modules > UBSSystemModule > Summary of JMS Modules > UBSSystemModule > UBSFonsignServer > Configuration > MOTIFY_DEST_QUELE_FCDB > UBSFonsignS	erver »Sumr	rary of Servers	Summary of Deployments				
Click the Lack & Edif button to modify, add or delete items in this domain.	S	imary of Deployments							
Lock & Eet Release Configuration Domain Shructure Resource Groups Resource Group Templates Reshue Unital Hosts Unital Hosts Unital Hosts		Entrol Monthmap This page draphers the first of how EE explorations and standardine exploration modules installed to the domain. No No and point (reducing) or detect installed applications and modules from the domain by selecting the checklow next to the application name and then using the cont to install a new application or module for deployment to targets in this domain, click Tastall. Substance: this table:	rols on this	page.					
Work Managers Concurrent Templates		eployments						the set	and the state of the state of the state
		Insue Usaa Leere	State	Health	Туре	Targets	Scope	Domain Partitions	g 1 to 10 of 69 Previous Next
Security Realms		adi.oracle.businesseditor(1.0,12.2.1.1.0)	Active		Library	AdminServer	Global		100
€ Diagnostics ×		adf.oracle.domain(10,122.1.1.8)	Active		Library	AdminServer	Global		100
How do I 🗉		to adi.oracle.domain.webapp(1.0,12.2.1.1.0)	Active		Library	AdminServer	Global		100
Install an enterprise application		E To Audit MOBER	New		Enterprise Application	InstallerTest	Global		100
Configure an enterprise application Update (redeploy) an enterprise application		E Cabatch Resource Adapter	New		Enterprise Application	InstallerTest	Global		100
 Monitor the modules of an enterprise application 		obsence-transaction-ran	Active	🕈 ОК	Resource Adapter	AdminServer	Global		100
Deploy EI8 modules		En com.ofss.digr.app.connector	New		Enterprise Application	InstallerTest	Global		100
Install a Web application		E Comofsa dipu approxemice.rest	New		Enterprise Application	InstallerTest	Global		100
System Status 🛛		E tomofs.digr.appr.service.soap	New		Enterprise Application	InstallerTest	Global		100
Health of Running Servers as of 3:42 PM		■ = 0MS Application (12.2.1.1.0)	Active	🕈 ок	Web Application	AdminServer	Global		5
Failed (U) Critical (0)		Install Update Delete						Showin	ng 1 to 10 of 69 Previous Next
Warning (0)	L								
0K (1)									

Click Lock & Edit

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Change Center	ar Websame, websame in the local state of the Second state in 1990, 1990											
View changes and restarts	11	irm >Sammary of JHS Hadules >UBSSystemModule >S	ummary of INS Modules >UBSSystemHodule >UBSForeignDerver >Config	uration >NOTIPY_DEST_QUEUE_PCDB >UBSPareign/li	erver >5umm	nary of Servers :	Summary of Deployments					
Click the Lock & Edit button to modify, add or delete items in this domain.	Sur	imary of Deployments										
Lock & Edit	0	Infiguration Control Monitoring	nd standalone application modules installed to this domain.									
Domain Structure You can update (redeptor) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the centrols on this page.												
Resource Groups Resource Group Templates Medichoes Votual Hosts Votual Targets	To initial a new application or module for furgingement for language with Ki Install. In Continuing Host Labole											
Concurrent Templates	0	eployments										
Resource Hanagement		Install [Update] [Defeta]								Show	ng 1 to 10 of 69 Previous Next	
Deployments		🗊 Name 🚓			State	Health	Туре	Targets	Scope	Domain Partitions	Deployment Order	
Security Realma		adf.oracle.businesseditor(3.0.12.2.3.1.0)			Active		Library	AdminServer	Global		100	
B Diagnostics *		adf.oracie.domain(1.0,12.2,1.1.0)			Active		Library	AdminServer	Global	1	100	
How do L.,		() and oracle.domain.webapp(1.0,12.2.1.1.0)			Active		Library	AdminServer	Global	1	300	
Install an enterprise application		III III TU ANGENOBEAR			New		Enterprise Application	InstallerTest	Global		100	
Configure an enterprise application Update (redeploy) an enterprise application		K The Batch Resource Adapter			Nev		Enterprise Application	InstallerTest	Global		300	
Horitor the modules of an enterprise soulcation		📋 🛃 coherence-transaction-rae			Active	🖌 ОК	Resource Adapter	AdminServer	Global	1	300	
Deploy E30 modules		III III Com of st. digs. app. connector			new		Enterprise Application	InstallerTest	Global	ii	100	
Instal a Web application		🗄 🗷 🖓 com afas dige, eptre service, rest			Nen		Enterprise Application	InstallerTest	Globel		100	
System Status		I R C com.ofss.dige.appx.service.soap			New		Enterprise Application	InstallerTest	Global		100	
Health of Running Servers as of 3:42 PM		B (015 Application (12.2.1.1.0)			Active	🗸 ОК	Web Application	AdminServer	Global		5	
Pated (8) Critical (8) Overloaded (0)	ľ	Instat] (Apende) (Datem)				A				Show	ng 1 to 10 of 69 Previous Next	

Click on Install

RACLE WebLogic Server Administration Console 12c											
Change Center	â Home Log Out Preferences 🖾 Record Help										
View changes and restarts	Home > Summary of JMS Modules > UBSSystemModule > Summary of JMS Modules > UBSSystemModule > UBSForeignServer > Configuration > NOTIFY_DEST_QUEUE_FCDB > UBSForeignServer > Configuration > NOTIFY_DUEUE_FCDB > UBSForeignServer > Configuration > NOT	erver >Summa	ary of Servers >	Summary of Deployments							
No pending changes exist. Click the Release	Summary of Deployments										
Configuration button to allow others to edit the domain.	Configuration Control Monitoring										
Lock & Edit											
Release Configuration	ase Configuration This page displays the list of Java EE applications and standalone application modules installed to this domain.										
Domain Structure	washin Structure You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.										
Resource Groups	To install a new application or module for deployment to targets in this domain, click Install.										
***Resource Group Templates ***Machines ***Virtual Hosts											
···Virtual Targets	Deployments										
Concurrent Templates	Install Update Delete										
Startup and Shutdown Classes	🔲 Name 🌣	State	Health	Туре	Targets						
B Services	adf.oracle.businesseditor(1.0,12.2.1.1.0)	Active		Library	AdminServer						
Theroperability	adf.oracle.domain(1.0,12.2.1.1.0)	Active		Library	AdminServer						
⊞-Diagnostics ▼	a sali anala damaia mahanali 0.12.2.1.1.0)										

Click on Upload your file(s)

ORACLE WebLogic Server Ad	ministration Console 12c			
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View changes and restarts	Home >Summary of JMS Modules >UBSSystemM	dule >Summary of JMS Modules >UBSSystemModule >UBSForeignServer >Configuration	>NOTIPY_DEST_QUEUE_FCDB >UBSForeignServer >Summary of Servers >Summary of	Deployments
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Install Application Assistant Back Next Finish Cancel Locate deployment to install and preparation Select the file path that represents the application Select the file path that represents the application	e for deployment tion rost directory, or application modul	e descriptor that you want to install. You can also enter the path of the application	directory or file in the Path field.
Domain Structure	Note: Only valid file paths are displayed be	w. If you cannot find your deployment files Upload your file(s) nd/or confirm th	hat your application contains the required deployment descriptors.	
OBC/US [151 - Chan Protons Channe Protons Channe Rottons Channe Contex Channe Contex	Path: Receively Used Paths: Current Localistics: I fon I fon	[home/devops/domain/OBDX_INS_TEST (none) mun0fbbt / home / devops / domain / OBDX_INS_TEST		
Start and stop a deployed enterprise application	Back Next Finish Cancel			
Configure an enterprise application				

• Click on Choose File under Deployment Archive



Navigate to customized obapi.externalsystem.ubs.notification.mdb.ear and click Open

ORA	CLE WebLogic Ser	ver Administration Console 12c			
Change Co	enter	😰 Home Log Out Preferences 🖂 Reco	d Help	Q	Welcome
View cha	Open			×	le >UBSForeignServer >Configuration >NOTIFY_DEST_QUEUE_FCOB >UBSForeignServer >Summary of Servers >Summary of Deployments
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Configura domain.	🗧 🔶 🔸 🔶	Documents > Newfolder > v	Search New fold	er "P	
	Organize 👻 New fol	der	1	- II 🛛	
	Documents ^	Name	Date modified	Туре	
Domain 6	162	logs	7/17/2017 2:05 PM	File folder	you are currently browsing. When you have located the file, click the Next button to upload this deployment to the Administration Server.
OBOX 1NS	buil	Dew	7/19/2017 7:28 PM	File folder	
Domai	config.tar	Queries	6/8/2017 8:00 PM	File folder	Choose File No file chosen
E-Enviro	Devart	📄 build.xml	5/16/2017 9:25 PM	XML Document	
	extructeme	cwallet.sso	7/11/2017 10:55 AM	SSO File	
Co	East	Latest_Revision_DB.txt	6/8/2017 4:01 PM	Text Document	eployment archive. A deployment will work without a deployment plan, but you can also upload a deployment plan archive now. This deployment plan archive will be a directory of configuration int
Re	indi	Latest_Revision_SEED.txt	6/8/2017 4:01 PM	Text Document	
Ma	Installer Docu	ObAccessClient.xml	7/11/2017 10:55 AM	XML Document	Choose File No file chosen
····Vir	Installer Form	📧 obdx.externalsystem.ubs.notification.md	7/25/2017 9:09 PM	EAR File	1
Vir	MobaXterm	🔬 ojdbc6.jar	8/4/2016 6:42 PM	Executable Jar File	
Co	mum00boi.in	PastHeadDB.txt	6/8/2017 4:00 PM	Text Document	
1 - R#	New folder	PastHeadSEED.txt	6/8/2017 4:00 PM	Text Document	
How do I	······································	<		>	
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applicat			Onen	Cancel	
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Click Next



Click Next

ORACLE WebLogic Server Adr	Iminist	ration Console 12c							
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Lock & Edit	In	stall Application Assistant							
Release Configuration		Back Next Finish Cancel							
Domain Structure		Locate deployment to install and prepare for deployn	nent						
OBCV_INS_TEST		Select the file path that represents the application root direc Note: Only valid file paths are displayed below. If you cann	dary, erbite life, exploide archive, for application module descriptor thet you went to install. You can also enter the path of the application directory or file in the Path field. of find your deployment files, lipited your file() and/or comfirm that your application contains the required deployment descriptors.						
B-Clusters		Path:	/home/devops/domain/OBDX_INS_TEST/servers/AdminServer/upload/obdx.externalsystem.ubs.notification.mdb.ear/app/obdx.externalsystem.ubs.notification.mdb.ear						
Coherence Clusters		Recently Used Paths:	(none)						
Resource Group Templates		Current Location:	mumtölbst / home / devops / domain / OBDX_INS_TEST / servers / AdminServer / upload / obdx.externaloystem.ubs.notification.mdb.ear / app						
Machines		🖲 🖥 obdx.externalsystem.ubs.notification.mdb.es	ar						
Virtual Targets Work Managers		Sack Next Finish Cancel							
Concurrent Templates									

• Select "Install this deployment as an application" and click Next

ORACLE WebLogic Server Adr	ninistration Console 12c						
Change Center	🏦 Home Log Out Preferences 🖾 Record Help 🛛 🔍						
View changes and restarts	Home >Summary of JMS Modules >UBSSystemModule >Summary of JMS Modules >UBSSystemModule >UBSSystemModule >Summary of JMS Modules >Summary of JMS Modules >Summary of JMS Modules >Summary of JMS Modules >						
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Install Application Assistant Back Ned Finish Cancel Choose installation type and scope Cold Bit to be additioned by the additioned by the second by the se						
	select if the deployment should be installed as an application or library. Also decide the scope of this deployment.						
Domain Structure	The application and its components will be targeted to the same locations. This is the most common usage.						
OBDX_INS_TEST	Install this deployment as an application						
Servers BClusters Coherence Clusters	Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the targets running their referencing applications.						
Resource Groups Resource Group Templates Machines	Install this deployment as an application, but target the components individually						
····Virtual Hosts ····Virtual Targets	Useful when one or more of the modules or components must have targets unique from the rest of the application.						
Work Managers Concurrent Templates	Select a scope in which you want to install the deployment.						
I Presource Management	Scope: Global V						
How do I 🗉							
 Start and stop a deployed enterprise application 	Back Ned Finish Cancel						
 Configure an enterprise application 							
Create a deployment plan							

• Select Cluster as target and click Next

ORACLE WebLogic Server Adm	iinistration Console 12c								
Change Center	🕜 Home Log Out Preferences 🔄 Record Help								
View changes and restarts	Home > Summary of JMS Modules > UBSSystemModule > Summary of JMS Modules > UBSSystemModule > UBSForeignServer > Configuration > NOTIFY_DEST_QUEUE_FCDB > UBSForeignServer > Summary of Servers > Summary of Servers > Summary of JMS Modules > UBSSystemModule > UBSForeignServer > Configuration > NOTIFY_DEST_QUEUE_FCDB > UBSForeignServer > Summary of Servers > Serve								
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assistant								
	Back Next Finish Cancel								
Release Configuration	Select deployment targets								
	Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets later).								
Domain Structure OBDX_INS_TEST	Available targets for obdx.externalsystem.ubs.notification.mdb :								
H ⁺⁻ Domain Partitions ⊡-Environment HServers HClusters H-Coherence Clusters	Servers AdminServer								
- Resource Groups - Resource Groups - Machines - Michael Korts - Withual Hosts - Withual Targets - Work Managers - Concurrent Templates - Resource Management - V	Clusters ✓ InstallerTest ● Part of the cluster ● Part of the cluster ■ OBDX_INS1								
How do I • Start and stop a deployed enterprise	Back Next Finish Cancel								
- Configure on enterprise application									

Click Next



• Click Finish.

ORACLE WebLogic Server Adr	ministration Console 12c												
Change Center	1 Home Log Out Preference	es 🔛 Record Help	Welcome, weblogi										
View changes and restarts	Home >Summary of JMS Module	es >UBSSystemModule >Summary of 3HS Modules >UBSSystemModule >UBSForeignServer >Configuration >NOTIPY_DEST_QUEUE_PCDB >UBSForeignServer >Summary of Servers >Summary of Deployments											
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Lock & Edit Release Configuration	Lemma (umma) (umma) Review your choice and clock Trainh Oct-Krimits councile the delayment. This may take a few moments to complete.												
Domain Structure	- Additional Configuration												
BDX_INS_TEST A	In order to work successfully,	this application may require additional configuration. Do you want to review this application's configuration after completing this assistant?											
Prenvironment Servers	Yes, take me to the dep	Fys, Lake me to the deployment's configuration screen.											
Clusters Coherence Clusters	No, I will review the co	nfiguration later.											
Resource Groups	- Summary												
Machines	Deployment:	/home/devops/domain/08DX_DIIS_TEST/servers/AdminServer/upload/obdx.externaloystem.ubs.notification.mdb.ear/app/obdx.externaloystem.ubs.notification.mdb.ear											
Virtual Targets	Name:	obdx.externalisystem.ubs.notification.mdb											
Concurrent Templates Resource Management	Staging Hode:	Use the defaults defined by the chosen targets											
How do I	Plan Staging Mode:	Use the same accessibility as the application											
Start and stop a deployed enterprise application	Security Model:	DDOnly: Use only roles and policies that are defined in the deployment descriptors.											
Configure an enterprise application	Scope:	Global											
Create a deployment plan	Target Summary												
 Target an enterprise application to a server instance 	Components 🚓		Targets										
 Test the modules in an enterprise application 	obdx.externalsystem.ubs.not	thration.mdb.ear	InstallerTest										
System Status	Back Next Finish	Cancel											
Health of Running Servers as of 3:58 PM													

• Click Save.

ORACLE WebLogic Server Admin	istration Console 12c												
Change Center	A Home Log Out Preference	s 🗠 Record Help											
View changes and restarts	Home >UBSSystemModule >Summary of JMS Modules >UBSSystemModule >LBSForeignServer >Configuration >NOTIPY_DEST_QUEUE_FCCB >UBSForeignServer >Summary of Servers >Summary of Deployments >obdx.externaleystem.ubs.net/fication												
Pending changes exist. They must be activated to take effect.	Settings for obdx.externalsy	tem.ubs.notification.mdb											
	Overview Deployment Plan	Configuration Security Targets Control Testing Monitoring Notes											
Undo All Changes	Save												
Domain Structure	Use this page to view the ger	eral configuration of an enterprise application, such as its name, the physical path to the application files, the associated deployment plan, and so on. The table at the	e end of the page lists the modules (such as Web										
OBDX_INS_TEST	the name of the module to view and update its configuration.												
Environment Servers	Name:	obdx.externalsystem.ubs.notification.mdb	The name of this enterprise application. More										
Clusters Coherence Clusters	Scope:	Global	Specifies if this enterprise application is accessi										
····Resource Groups ····Resource Group Templates ····Machines	Path:	/ home/ devops/ domain/ OBDX_INS_TEST/ servers/ AdminServer/ upload/ obdx. externalsystem. ubs. notification. mdb. ear/ app/ obdx. externalsystem. ubs. notification. mdb. ear	The path to the source of the deployable unit o										
Virtual Hosts Virtual Targets	Deployment Plan:	(no plan specified)	The path to the deployment plan document on										
Work Managers Concurrent Templates Resource Management	Staging Mode:	(not specified)	Specifies whether a deployment's files are copic area during application preparation. More Infe										
How do I	Plan Staging Mode:	(not specified)	Specifies whether an application's deployment staging area during application preparation.										
application	Security Model:	DDOnly	The security model that is used to secure a dep										
Consigure an enterprise application Create a deployment plan Target an enterprise application to a server	👸 Deployment Order:	100	An integer value that indicates when this unit is Info										
instance Test the modules in an enterprise application	Deployment Principal Name:		A string value that indicates the principal that s This principal will be used to set the current sul ApplicationLifecycleListener. If no principal nam										

Click Activate Changes

ORACLE' WebLogic Server Admi	inistration Con	sole 12c																
Change Center	🎕 Home Log Out Preferences 🖾 Record Help																	
View changes and restarts	Home >UBSS	SystemModule >Summ	ary of JMS Module	>UBSSyste	mModule >U	BSForeignS	erver >Confi	guration >NO1	IFY_DEST_	QUEUE_FCD	DB >UBSFa	reignServer >	Summary of	Servers >Sur	mmary of Dep	loyments >e	bdx.externalsyst	m.ubs.notifica/
Pending changes exist. They must be activated to take effect.	e activated Pressages Pressages Settings updated successfully.																	
Activate Changes	Settings for obdx.externalsystem.ubs.notification.mdb																	
Undo All Changes	Overview	Deployment Plan	Configuration	Security	Targets	Control	Testing	Monitoring	Notes									
Domain Structure	Save																	
OBDX_INS_TEST																		
ter Domain Partitions ⊖ Environment → Servers ⊕ Clusters	Use this page to view the general configuration of an enterprise application, such as its name, the physical path to the application files, the associated deployment plan, and so on. The table at the end of the page lists the modules the name of the module to view and update its configuration.																	
Coherence Clusters	Name:		obdx.externals	stem.ubs.n	otification.r	ndb											The name of this	enterprise applie
Resource Group Templates	Scope:		Global										Specifies if this en	terprise applica				
Virtual Hosts Virtual Targets Vork Managers	Path:		/ home/ devop notification. mo	/ home/ devops/ domain/ OBDX_INS_TEST/ servers/ AdminServer/ upload/ obdx. externalsystem. ubs. notification. mdb. ear/ app/ obdx. externalsystem. ubs. notification. mdb. ear								n. ubs.	The path to the so	urce of the dep				
Concurrent Templates Resource Management	Deploymen	it Plan:	(no plan specified)								The path to the d	ployment plan						
How do I	Staging Mo	ode:	(not specified)														Specifies whether area during applic	a deployment's ation preparatio
Start and stop a deployed enterprise application Configure an enterprise application	Plan Stagin	ng Mode:	(not specified)								Specifies whether staging area durin	an application's g application pr						
Create a deployment plan Target an enterprise application to a server	Security Me	odel:	DDonly										The security mode	I that is used to				
instance	A Deploy	ment Order:	100														An integer value t	nat indicates wł
Test the modules in an enterprise application			100														Info	
System Status	👍 Deployi Name:	ment Principal															A string value that This principal will	indicates the p be used to set t
Health of Running Servers as of 3:59 PM																	Appreciation	custonel. Il 110
Failed (0) Critical (0)	Save																	

ORACLE WebLogic Server Adm	inistration Console 12c												
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View changes and restarts	Home >UBSSystemModule >Summ	mary of JMS Modules >UBSSyste	mModule >UBSForeign	Server >Configuratio	n >NOTIFY_DEST_QU	JEUE_FCDB >UBSFore	signServer >Summary of Servers >Summary of Dep	loyments > obdx.externalsystem.ubs.notification.mdb					
Click the Lock & Edit button to modify, add or delete items in this domain.	✔ All changes have been activated. No restarts are necessary.												
Lock & Edit	Settings for obdx.externalsys	tem.ubs.notification.mdb											
Release Configuration	Overview Deployment Plan	Configuration Security	Targets Control	Testing Mon	itoring Notes								
Domain Structure													
OBDX_INS_TEST	Click the Lock & Edit button in	n the Change Center to modi	y the settings on this	page.									
Domain Partitions	Save												
Custers Custe	Use this page to view the gen the name of the module to vie	eral configuration of an enter w and update its configuratic	orise application, such n.	h as its name, the p	ohysical path to the	application files, the	associated deployment plan, and so on. The t	able at the end of the page lists the modules (such as Web					
Resource Group Templates	Name:	obdx.externalsystem.ubs.r	The name of this enterprise application. More										
···Virtual Hosts	Scope:	Global	Specifies if this enterprise application is accessil										
"Work Managers "Concurrent Templates "Resource Management	Path:	/ home/ devops/ domain/ notification. mdb. ear	OBDX_INS_TEST/ ser	rvers/ AdminServer	/ upload/ obdx. ext	ernalsystem. ubs. no	btification. mdb. ear/ app/ obdx. externalsystem	n. ubs. The path to the source of the deployable unit o					
How do I	Deployment Plan:	(no plan specified)						The path to the deployment plan document on					
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 Target an enterprise application to a server instance 	nterprise application to a server Security Model: DDOnly The r												
Test the modules in an enterprise application	👍 Deployment Order:	100						An integer value that indicates when this unit is Info					
Health of Running Servers as of 3:59 PM Failed (0) Critical (0)	避 Deployment Principal Name:							A string value that indicates the principal that s This principal will be used to set the current sul ApplicationLifecycleListener. If no principal nam					
	1												

Oracle FLEXCUBE Universal Banking with Oracle Banking Payments (OBAPI with OBPM)

If during installer execution Oracle FLEXCUBE Universal Banking with Oracle Banking Payments (OBAPI with OBPM) is selected, then below steps needs to be done manually.

Foreign Server

 Login into Weblogic Admin console (OBAPI domain created using installer) and Browse to Summary of JMS Modules > OBPMSystemModule > OBPMForeignServer (as shown below)

Settings for OBPHSystemHodule										
Configuration	Subdeployments	Targets	Security	Notes						
This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.										
Name: OBPMSystemHodule The name of this JMS system module. More Info										
Scope:	Scope: Global Specifies if the JMS system module is accessible within									
Descriptor File	Name:				jms/obpmsystemmodule-jms.	xml		The name of the JMS module descriptor file. More Int		
This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quota, distributed destinations, foreign servers, a										
Summary of Re	esources									
Click the Lock 8	Edit button in the	Change Cen	ter to activa	te all the	buttons on this page.					
New Delete										
🔲 Name 🗞					Туре		JNDI Name	Subdeployment		
OBPMFore	ignServer				Foreign Server		N/A	OBPMSubdeployment		
New Delete										

Refer to earlier steps mentioned for UBS HOST UBSForeignServer and make similar changes in OBPMForeignServer.

Deployment of notification MDB application

Before deployment of obapi.externalsystem.obpm.notification.mdb.ear application, make changes similar to obapi.externalsystem.ubs.notification.mdb.ear before deployment.

Fileupload with UBS

Refer below document for File upload configuration with UBS

• Oracle Banking Digital Experience File Upload Report Configuration

Origination with UBS

Refer below document (section 5 and 6) for enabling Origination with UBS

Oracle Banking Digital Experience UBS Origination Setup and Configuration

Trade Finance (LC and BG) with OBTFPM

Refer below document for enabling 'Letter Of Credit' issuance and 'Bank Guarantee' issuance with Oracle Banking Trade Finance Management.

Oracle Banking Mid-Office Product Setup and Configuration Guide

<u>OHS</u>

OHS server needs to be configured for all FLAVOR's as a mandatory activity.

To configure OHS server follow steps mentioned in below document before proceeding further.

• Oracle Banking Digital Experience OHS User Interface Configuration

Feedback module:

In order to enable Scale (Rating) icons please refer the section **Creating Procedure** of **Oracle Banking Digital Experience Content Upload Guide** user manual.

Home
9. **OBAPI Product Verification**

Start managed server and verify all deployed applications are in Active state (as shown below).

	Active	🖋 ок	Enterprise Application	obdx_cluster	Global	100
BatchResourceAdapter	Active	🖋 ок	Enterprise Application	obdx_cluster	Global	100
Scoherence-transaction-rar	Active	🖋 ок	Resource Adapter	AdminServer, obdx_cluster	Global	100
E Com.ofss.digx.app.connector	Active	🖋 ок	Enterprise Application	obdx_cluster	Global	100
€ Lo ExtxfaceSimulatorMDB	Activ	• 🗸 ок	Enterpris Application	e obdx_cluste	er Global	0

	1	1				
reobdx.app.core.domain(19.2.0.0.0,983)	Active		Library	AdminServer, obdx_cluster	Global	0
1000 cbdx.app.domain(19.2.0.0.0,983)	Active		Library	AdminServer, obdx_cluster	Global	0
100 obdx.app.framework(19.2.0.0.0,983)	Active		Library	AdminServer, obdx_cluster	Global	0
€ Boppression State Sta	Active	🖋 ОК	Enterprise Application	obdx_cluster	Global	100
rest obdx.app.oauth(19.2.0.0.0,983)	Active		Library	AdminServer, obdx_cluster	Global	0
€ Bobdx.app.oauth.rest	Active	🖋 ОК	Enterprise Application	obdx_cluster	Global	100
€ Cobdx.app.rest.idm	Active	🖋 ОК	Enterprise Application	obdx_cluster	Global	0
€ _obdx.app.timer	Active	🖋 ОК	Enterprise Application	obdx_cluster	Global	100
1000 obdx.cz.app.domain(19.2.0.0.0,983)	Active		Library	AdminServer, obdx_cluster	Global	0
<pre>pobdx.cz.extsystem.domain(19.2.0.0.0,983)</pre>	Active		Library	AdminServer, obdx_cluster	Global	0
<pre>obdx.cz.thirdparty.app.domain(19.2.0.0.0,983)</pre>	Active		Library	AdminServer, obdx_cluster	Global	0
bdx.extsystem.domain(19.2.0.0.0,983)	Active		Library	AdminServer, obdx_cluster	Global	0
bdx.thirdparty.app.domain(19.2.0.0.0,983)	Active		Library	AdminServer, obdx_cluster	Global	0
	-					

To login into application, new user needs to be created (if not already done) in OUD refer section Creating Groups and System Admin User on LDAP Server of document "Oracle Banking Digital Experience Installer Pre-Requisite Setup Manual" mentioned in section 8.5 Related Information Sources.

To verify the installation, launch below URL

http://<OHS server ip or hostname>:<OHS port>

Check if the page loads successfully.



Day1 Configuration

Universal Banking Solution (OBAPI with UBS)

Refer below document (Section 3. System Configuration) for Day1 configuration required for integration with UBS

Oracle Banking Digital Experience System Configuration

Once day1 is completed, application is available for end-user transactions.

Note: Post Day1 restart of Managed server is mandatory

Third Party System (OBAPI with THP)

Refer below document (Section 5. System Configuration – Host System as Third Party) for Day1 configuration required for integration with Third-party System

Oracle Banking Digital Experience System Configuration

Once day1 is completed, application is available for end-user transactions.

Note: Post Day1 restart of Managed server is mandatory

Chat Bot Configuration:

Refer below document for Chat Bot configuration. Oracle Banking Digital Experience Chatbot Configuration

Mobile Application Builder:

Refer below documents for Mobile Applications build and setup. Oracle Banking Digital Experience Mobile Application Builder-Android Oracle Banking Digital Experience Mobile Application Builder-iOS

Mid Office Configuration:

Refer below document for Mid Office Configurations i.e. Trade Finance, Corporate Lending.

Oracle Banking Mid-Office Product Setup and Configuration Guide.

Account Uniqueness Configuration:

Some core banking systems support same account number in multiple branches within the entity. OBAPI has support for such core banking systems. However, the configuration is not enabled by default. In case the Bank has core banking system which supports and provides same account numbers across multiple branches, the following scripts should be executed per entity for enabling the support.

```
Insert into DIGX_FW_CONFIG_ALL_O (PROP_ID, PREFERENCE_NAME, PROP_VALUE, DETERMINANT_VALUE,
CREATED_BY, CREATION_DATE, LAST_UPDATED_BY, LAST_UPDATED_DATE)
values
('obapi.host.account.uniqueness','ExtSystemsConfig','BRANCH','<ENTITY_ID>','ofssuser',sysdate,'of
ssuser',sysdate);
Insert into DIGX_FW_CONFIG_ALL_O (PROP_ID, PREFERENCE_NAME, PROP_VALUE, DETERMINANT_VALUE,
CREATED_BY, CREATION_DATE, LAST_UPDATED_BY, LAST_UPDATED_DATE)
values
('obapi.host.accountbranch.delimiter','ExtSystemsConfig','@~','<ENTITY_ID>','ofssuser',sysdate,'o
fssuser',sysdate);
```

Note: Please ensure that <ENTITY_ID> has been replaced with correct Entity ID for the corresponding entity.

Home

10. Configuration for OUD/OAM

In-case installation needs to be done using OUD/ OAM provider, below steps needs to be performed manually.

Weblogic configuration/ deployment

• **REST EAR deployment:**

Undeploy obapi.app.rest.idm from deployments.

Deploy obapi.app.rest from Installer zip (<OBAPI INSTALLER DIR> \installables\app\components\obapi\deploy\obapi.app.rest.ear).

Refer to manual deployment steps provided for obapi.externalsystem.ubs.notification.mdb.ear application

Security Realms

To configure your own Oracle LDAP to use instead of the default embedded LDAP, which comes with Oracle Weblogic Server.

• To do this, ensure that the Admin Server is running. Login to the Weblogic Console for OBAPI domain (created by Installer) using the following URL:

http://<hostname>:<admin_port>/console

• Now, go to Security Realms > myrealm > Providers

ORACLE WebLogic Server Ad	Iministratio	n Console	12c										Q
Change Center	🙆 на	ome Log Ou	it Preferences 📥	Record Help		G					Welcome, weblogic	Connected to: OBI	DX_INS_TEST
View changes and restarts Home >Summary of Security Realms >myrealm >Providers													
Click the Lock & Edit button to modify, add or	Setting	Settings for myrealm											
Lock & Edit	Confi	guration (Jsers and Groups	Roles and Policies	Credential N	lappings	Provider	s Migrati	on				
Release Configuration	Auth	entication	Password Validat	ion Authorization	Adjudicati	n Role	Mapping	Auditing	Credential Mapping	Certification Path			
Domain Structure OBDX_1HS_TEST B ⁺ Domain PartDons B ⁺ Environment - ⁺ Deployments B ⁺ Services - ⁺ Security, Realms B ⁺ Interoperability B ⁺ Deproducts	An A a se	Authenticatio curity realm. ctomize this nentication the Lock & W Delete Name DBAuthent	in provider allows W Different types of A s table Providers Edit button in the i	ebLogic Server to e Authentication provi	tivate all the b	rust by validating a user. You must have one Authentication provider in a security realm, and you can configure multip designed to access different data stores, such as LDAP servers or DBMS.							roviders in ious Next
How do I		SQLAuth			P	ovider the	at performs	DBMS authe	entication			1.0	
		OBDXJWT			0	BDX JWT	Identity Ass	erter Provid	ler			1.0	
 Configure authentication and identity assertion providers 		DefaultAut	henticator		W	ebLogic A	uthenticatio	n Provider				1.0	
Configure the Password Validation provider		DefaultIde	ntityAsserter		W	ebLogic I	dentity Asse	rtion provid	er			1.0	
Manage security providers	New Delete Rearder Showing to 5 of 5 Previous Next												
Set the JAAS control flag													
 Re-order authentication providers 													
System Status 🖂 Health of Running Servers as of 9:39 AM													

- Now click on "Lock & Edit" in order to edit the details.
- Delete the following Authenticators under providers-> Authentication:

DBAuthenticator

Customize this table
Authentication Providers
New Delete Reorder

Name

OBDXJWT

DefaultIdentityAsserte

New Delete Reorder

SQLAuth

RACLE WebLogic Server Adr	inistration Console 12c		ŏ							
nge Center	🏦 Home Log Out Preferences 🔤 Record Help	Welcome, w	veblogic Connected to: OBDX_INS_TEST3							
changes and restarts	e >Summary of Environment >Summary of Servers >Summary of Security Realms >myrealm >Providers >Summary of Environment >Summary of Servers >Summary of Security Realms >myrealm >Providers									
ling changes exist. Click the Release	Settings for myrealm									
tion button to allow others to edit the	Configuration Users and Groups Roles and Policies Credential Mappings Provider	al Mappings Providers Migration								
Lock & Edit	Authentication Password Validation Authorization Adjudication Role Mapping	Auditing Credential Mapping Certification Path								
Release Configuration										
bruchure	An Authentication provider allows WebLogic Server to establish trust by validating a user. Y	ou must have one Authentication provider in a security realm, and you can conf	igure multiple Authentication providers in							
T3	a security realm. Different types of Authentication providers are designed to access differen	it data stores, such as LDAP servers or DBMS.								
s										
	Customize this table									
	Authentication Providers									
	New Delete Reorder		Showing 1 to 5 of 5 Previous Next							
	Description		Version							
	DBAuthenticator OBDX - DB Authenticat	:0F	1.0							
	SQLAuth Provider that performs	DBMS authentication	1.0							
	OBDXJWT OBDX JWT Identity Ass	serter Provider	1.0							
Ξ	DefaultAuthenticator WebLogic Authentication	on Provider	1.0							
n and identity	DefaultIdentityAsserter WebLogic Identity Asse	artion provider	1.0							
	New Delete Reorder		Showing 1 to 5 of 5 Previous Next							
ord Validation provider										
flag										
n providers										
g Servers as of 7:33 AM										
WebLogic Server Adr	inistration Console 12c		Ç							
	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, v	weblogic Connected to: OBDX_INS_TEST							
restarts	Home >Summary of Environment >Summary of Servers >Summary of Security Realms >myrealm >F	Providers >OUDAuthenticator > Providers								
ist. They must be activated	Selected Authentication Providers have been deleted.									
vate Changes	Commencial and the second seco									
do All Changes	Settings for myreaim	Migration								
179	Configuration Users and Groups Roles and Policies Credential Mappings Provide									
T1	Authentication Password Validation Authorization Adjudication Role Mapping	Auditing Credential Mapping Certification Path								
titions	An Authentication provider allows Webl onic Server to establish trust by walidation a user A	You must have one Authentication provider in a security realmy and you can con-	figure multiple Authentication providers in							
JELL .	a security realm. Different types of Authentication providers are designed to access different	at data stores, such as LDAP conversion DRMS	inguite manaple Addrenocedon providers in							

• Click on 'DefaultAuthenticator" provider and change the Control Flag to SUFFICIENT

Description

OBDX JWT Identity Asserter Provider

WebLogic Authentication Provider

WebLogic Identity Assertion provider

How do I...

System Status

 Configure subhentication and identity assertion providers
 Configure the Password Validation provider Manage security providers
 Set the JAAS control flag
 Re-order authentication providers

Health of Running Servers as of 10:02 AM

Showing 1 to 3 of 3 Previous | Next

Showing 1 to 3 of 3 Previous | Next

Version

1.0

1.0

1.0

	dministration Console 12c		Q						
Change Center	Home Log Out Preferen	nces 🔤 Record Help	Welcome, weblogic Connected to: OBDX172						
View changes and restarts	Home »Summary of Security	Realms >myrealm >Providers >DefaultAuthenticator							
No pending changes exist. Click the Release	Settings for DefaultAuthe	enticator							
Configuration button to allow others to edit the domain.	Configuration Performa	Ance Migration							
Lock & Edit	Common Provider Spec	ific							
Release Configuration	Save								
Domain Structure	This page displays basic information about this WebLogic Authentication provider. You can also use this page to set the JAAS Control Flag to control how this provider is used in the login sequence.								
OBDX172									
Environment Deployments	🚝 Name:	DefaultAuthenticator	The name of this WebLogic Authentication provider. More Info						
Services Security Realms	E Description:	WebLogic Authentication Provider	A short description of the Authentication provider. More Info						
Diagnostics	街 Version:	1.0	The version number of the Authentication provider. More Info						
	🕂 Control Flag:	SUFFICIENT V	Returns how the login sequence uses the Authentication provider. More Info						
	Save								
How do I 🖂									
 Configure authentication and identity assertion providers 									
Configure the Password Validation provider									
 Set the JAAS control flag 									
Manage security providers									
System Status	1								

• Click on Save button to save the changes

ORACLE WebLogic Server Administration Console 12c											
Change Center	Home Log Ou	ut Preferences	Necord Help	Q		Welcome, we	blogic Connected to: OBDX172				
View changes and restarts	Home >Summary	r of Security Realm	ns >myrealm >Prov	iders >DefaultAuthenticator							
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.											
Lock & Edit	Settings for Def	Settings for DefaultAuthenticator									
Release Configuration	Configuration	Performance	Migration								
	Common Pro	ovider Specific									
OBDX172	Save										
Domain Partitions Deployments Services	This page displa	This page displays basic information about this WebLogic Authentication provider. You can also use this page to set the JAAS Control Flag to control how this provider is used in the login sequence.									
Security Realms El Interoperability	街 Name:			faultAuthenticator		The name of this WebLogic Authentication provider. More Info					
⊞-Diagnostics	E Description:		We	bLogic Authentication Provider		A short description of the Authentication provider. More Info					
	문 Version:		1.0	1		The version number of the Authentication provider.	ore Info				
	街 Control Fla	g:	S	UFFICIENT		Returns how the login sequence uses the Authentication	n provider. More Info				
How do I 🖂	Save										
 Configure authentication and identity assertion providers 											
Configure the Password Validation provider											
Set the JAAS control flag Manage security providers											
System Status											

Navigate Back to Security Realms > myrealm > Providers

ORACLE WebLogic Server Administration Console 12c												
Change Center	🟦 Home Log Or	ut Preferences 🞑	Record Help		٩				Welcome, weblogic	Connected to: OBDX_IN	VS_TEST1	
View changes and restarts	Home >Summary of Environment >Summary of Security Realms >myrealm >Providers >OUDAuthenticator >Providers											
Pressages Pressages Version Providers have been deleted.												
Activate Changes	Settings for myre	Settings for myrealm										
Undo All Changes	Configuration	Users and Groups	Roles and Policies	Credential Mapp	ings Providers	Migrat	ion					
Domain Structure	Authentication	Password Valida	tion Authorization	Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path				
the Convironment the	An Authentication provider allows WebLogic Server to establish trust by validating a user. You must have one Authentication provider in a security realm, and you can configure multiple Authentication a security realm. Different types of Authentication providers are designed to access different data stores, such as LDAP servers or DBHS. Customize this table Authentication Providers New Description Version Version									ng 1 to 3 of 3 Previous Version 1.0	lers in	
How do I	DefaultAut	thenticator			Nebl ogic Authent	1.0						
- Configure suthentication and identity	Defaultide	entityAsserter			Nebl onic Identity	Assertion	provider			1.0		
Compare automation and behavy assertion providers Configure the Password Validation provider Manage security providers						protoci		Show	ing 1 to 3 of 3 Previous	Next		
Set the JAAS control flag Re-order authentication providers System Status Health of Running Servers as of 10:02 AM												

• Now, click on New and enter the below details and click Save.

Name : OUDAuthenticator

Type : OracleUnifiedDirectoryAuthenticator

Administration Console 12c		Q							
Home Log Out Preferen	nces 📈 Record Help	Welcome, weblogic Connected to: OBDX172							
Home >Summary of Security	Realms >myrealm >Providers >DefaultAuthenticator >Providers >myrealm >Providers >Summary of Security Realms >myrealm >Providers								
Create a New Authentication Provider									
OK Cancel	OK Cancel								
Greate a new Authenti	ration Decuidar								
The fellowing properties up	Launi Frivinci								
* Indicates required fields	i de useu to identify your new Addientication Provider.								
The name of the authentica	tion provider.								
* Name:	OUDAuthenticator								
This is the type of authentic	This is the type of authentication provider you wish to create.								
Туре:	IPlanetAuthenticator 🗸								
OK Cancel									
	Administration Console 12c	Administration Console 12c Mome: Log Out: Preferences @ Record Help Image: Summary of Security Realma simyrealm s Provider a Softwarder s Softward a simyrealm s Provider a Softward of Security Realma simyrealm s Provider a Softward of Security Realma simyrealma s Provider s Softward of Security Realma simyrealma s Provider a Softward of Security Realma simyrealma s Provider s Softward of Security Realma s Provider s Provider s Softward of Security Realma s Provider s Provi							

System Status
Health of Running Servers as of 1:12 PM

• Click on OK Button.

ORACLE WebLogic Server Administration Console 12c										
Change Center	🔒 Home Log O	ut Preferences 🔤 F	Record Help		Q				Welcome, weblogic C	onnected to: OBDX_INS_TEST
View changes and restarts	Home >Summary	of Environment >Summ	nary of Servers >Sum	nary of Security Re	alms >myrealm >P	roviders >OU	DAuthenticator > Provid	ers		
Pending changes exist. They must be activated	Settings for myr	ealm								
Activate Changes	Configuration	Users and Groups	Roles and Policies	Credential Map	pings Provider	s Migrati	n			
Undo All Changes	Authentication	Password Validation	on Authorization	Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path		
Domain Structure OBDX_INS_TEST1 DDDmain Partitions DE-Environment Deployments Deployments Descrites Security Realms	An Authentication provider allows WebLogic Server to establish trust by validating a user. You must have one Authentication provider in a security realm, and you can configure multiple Authentication providers in a security realm. Different types of Authentication providers are designed to access different data stores, such as LDAP servers or DBMS.									ie Authentication providers in
B-Interoperability	Interopresality New Delete Rearder Showing I to 4 of 4 Previous								g 1 to 4 of 4 Previous Next	
C Diagnosoca	Name			Des	cription					Version
	OBDXJWT	OBDXJWT DefaultAuthenticator			CJWT Identity As	1.0				
	DefaultAu				WebLogic Authentication Provider					1.0
	DefaultIde	entityAsserter		Web	WebLogic Identity Assertion provider					1.0
How do I	OUDAuthe	enticator		Prov	der that performs	1.0				
 Configure authentication and identity assertion providers 	New Delet	Reorder							Showing	g 1 to 4 of 4 Previous Next
Configure the Password Validation provider										
 Manage security providers 										
 Set the JAAS control flag 										
 Re-order authentication providers 										
	1									
System Status										
Health of Running Servers as of 10:03 AM										

Now Click on OUDAuthenticator and select Control Flag as "SUFFICIENT"

	ministration Console 12c	Q								
Change Center	🙆 Home Log Out Preferences 🔤	Record Help	Welcome, weblogic Connected to: OBDX172							
View changes and restarts	Home >myrealm >Providers >DefaultAu	thenticator >Providers >myrealm >Providers >Summary of Security Realms >myrealm >Provide	rs >OUDAuthenticator							
Pending changes exist. They must be activated	Settings for OUDAuthenticator									
et Activate Changes	Configuration Performance	Configuration Performance								
Activate changes	Common Provider Specific									
Undo All Changes	Save	Save								
Domain Structure										
OBDX172	This page displays basic information	about this iPlanet Authentication provider. You can also use this page to set the JAAS Cont	rol Flag to control how this provider is used in the login sequence.							
Deployments Deployments	👘 Name:	OUDAuthenticator	The name of this iPlanet Authentication provider. More Info							
Security Realms Interoperability	街 Description:	Provider that performs LDAP authentication	A short description of this iPlanet Authentication provider. More Info							
B-Diagnostics	👸 Version:	1.0	The version number of this Planet Authentication provider. More Info							
	👸 Control Flag:	SUFFICIENT V	Specifies how this iPlanet Authentication provider fits into the login sequence. More Info							
	Save									
How do I										
Configure authentication and identity assertion providers										
Set the JAAS control flag										
Configure the Password Validation provider										
Manage security providers										

System Status

• Click on Save Button.

ORACLE WebLogic Server A	Iministration Console 12c	Linearise Page		Q					
Change Center	A Home Log Out Preferences	Record Help		Welcome, weblogic Connected to: OBDX172					
View changes and restarts	Home >myrealm >Providers >Defa	ultAuthenticator >Providers >myrealm >Providers >Sum	mary of Security Realms >myrealm >Providers :	>OUDAuthenticator					
Pending changes exist. They must be activated to take effect.	Messages	<i>i</i> .							
Activate Changes	Settings for OUDAuthenticato	r							
Undo All Changes	Configuration Performance								
Domain Structure	Common Provider Specific								
OBDX172	Save								
B-Environment Deployments B-Services Services	This page displays basic informa	This page displays basic information about this Planet Authentication provider. You can also use this page to set the JAAS Control Flag to control how this provider is used in the login sequence.							
Interoperability Diagnostics	🏀 Name:	OUDAuthenticator		The name of this iPlanet Authentication provider. More Info					
	街 Description:	Provider that performs LDAP authentication		A short description of this iPlanet Authentication provider. More Info					
	街 Version:	1.0		The version number of this iPlanet Authentication provider. More Info					
How do I	🏀 Control Flag:			Specifies how this iPlanet Authentication provider fits into the login sequence. More Info					
Configure authentication and identity assertion providers	Save								
Set the JAAS control flag									
Configure the Password Validation provider									
Manage security providers									
System Status									
Hanklin of Duranian Company on of 1115 DM									

• Now under Provider Specific tab set the details of LDAP where the server should point. Refer to the following table for more information:

Property	Value						
Host	This is the LDAP Server (OUD) Hostname						
Port	This is the LDAP Server (OUD) Port. E.g. 1389						
Principal	This is the Administrator Account name. E.g. cn=orcladmin						
Credential	This is the Administrator Account password.						
Confirm Credential	Confirm the Administrator Account password.						
UserBase DN	This is the OUD user search base For e.g.: cn=Users, dc=in,dc=oracle,dc=com						
GroupBase DN	This is the OUD group search base For e.g.: cn=Groups, dc=in,dc=oracle,dc=com						

to take crices										
Activate Changes	Configuration Performance									
	Common Provider Specific									
Undo All Changes										
Denvis Characteria	Save									
Domain Structure										
H-Domain Partitions	Use this page to define the provider specific configuration for this iPlanet Authentication provider.									
B-Environment										
Deployments	- Connection									
Security Realms	Host:	num00aon.in.oracle.com	The host name or IP address of the LDAP server. More Info							
El Interoperability										
■ Diagnostics	Port:	1389	The port number on which the LDAP server is listening. More Info							
	Principal:	cn=orcladmin	The Distinguished Name (DN) of the LDAP user that WebLogic Server should use to							
		ch=0 claumin	connect to the LDAP server. More Info							
	Credential		The credential (usually a password) used to connect to the IDAP server. More							
How do L	Cochoan	••••••	Info							
Configure authentication and identity										
assertion providers	Confirm Credential:	•••••								
Manage security providers										
	SSLEnabled		Specifies whether the SSL protocol should be used when connecting to the LDAP							
System Status 😑			server. More mo							
Health of Running Servers as of 1:16 PM	- Users									
Ealed (0)	User Base DN:	dc=in dc=oracle dc=com	The base distinguished name (DN) of the tree in the LDAP directory that contains							
Critical (0)		30-11,40-01440,40-0011	users. More Info							
Overloaded (0) Warning (0)	🕾 All Usars Filtar		If the attribute (user object class) is not marified (that is, if the attribute is rull or							
	an osers ritter.		empty), a default search filter is created based on the user schema. More Info							
OK (2)										
	街 User From Name Filter:	(&(uid=%u)(objectclass=	If the attribute (user name attribute and user object class) is not specified (that is,							

👸 User Name Attribute:	uid	The attribute of an LDAP user object that specifies the name of the user. More Info
🦺 User Object Class:	person	The LDAP object class that stores users. More Info
Use Retrieved User Name as Principal		Specifies whether or not the user name retrieved from the LDAP server should be used as the Principal in the Subject. More Info
- Groups		
Group Base DN:	dc=in,dc=oracle,dc=com	The base distinguished name (DN) of the tree in the LDAP directory that contains groups. More Info
🐔 All Groups Filter:		An LDAP search filter for finding all groups beneath the base group distinguished name (DN). If the attribute is not specified (that is, if the attribute is null or empty), a default search filter is created based on the Group schema. More Info
🐔 Group From Name Filter:	((&(cn=%g)(objectclas:	An LDAP search filter for finding a group given the name of the group. If the attribute is not specified (that is, if the attribute is null or empty), a default search filter is created based on the group schema. More Info
Group Search Scope:	subtree 🗸	Specifies how deep in the LDAP directory tree to search for groups. Valid values are subtree and onelevel. More ${\rm Info}\ldots$
Group Membership Searching:	unlimited ~	Specifies whether group searches into nested groups are unlimited, limited or off. Valid values are unlimited, limited and off. More Info
Max Group Membership Search Level:	0	Specifies how many levels of group membership can be searched. This setting is valid only if GroupMembershipSearching is set to limited. Valid values are 0 and positive integres. For example, 0 indicates only direct group memberships will be found, and a positive number indicates the number of levels to search. More Info
Ignore Duplicate Membership		Determines whether duplicate members are ignored when adding groups. The attribute cycles in the Group membership. More Info
- Static Groups		

- Click on Save to update the changes.
- Navigate Back to Security Realms > myrealm > Providers

ORACLE WebLogic Server Ad	Iministration Console 12c	õ
Change Center	💼 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: OBDX_INS_TEST
View changes and restarts	Home >Summary of Environment >Summary of Servers >Summary of Security Realms >myrealm >Providers >OUDAuthenticator >Providers	
Pending changes exist. They must be activated to take effect.	Settings for myrealm	
Activate Changes	comguradori osers and oroups i koles and Policies i credendal mappings i Providers i migradori	
Undo All Changes	Authentication Password Validation Authorization Adjudication Role Mapping Auditing Credential Mapping Certific	ation Path
Domain Structure OBDX_INS_TEST1 Domain Partitions Denvironment Deployments Descrices Services "Services	An Authentication provider allows WebLogic Server to establish trust by validating a user. You must have one Authentication provider a security realm. Different types of Authentication providers are designed to access different data stores, such as LDAP servers or DBM Customize this table Authentication Providers	n a security realm, and you can configure multiple Authentication providers in IS.
Interoperability Diagnostics	New Delete Reorder	Showing 1 to 4 of 4 Previous Next
	Name Description	Version
	OBDXJWT OBDX JWT Identity Asserter Provider	1.0
	DefaultAuthenticator WebLogic Authentication Provider	1.0
	DefaultIdentityAsserter WebLogic Identity Assertion provider	1.0
How do I	OUDAuthenticator Provider that performs LDAP authentication	1.0
 Configure authentication and identity assertion providers 	New Delete Reorder	Showing 1 to 4 of 4 Previous Next
Configure the Password Validation provider		
 Manage security providers 		
 Set the JAAS control flag 		
Re-order authentication providers		
System Status		
Health of Running Servers as of 10:03 AM		

• Now, click on New and enter the below details and click Save.

Name : OAMIdentityAsserter

Type : OAMIdentityAsserter

	Administration Console 12c	õ
Change Center	😭 Home Log Out Preferences 🖂 Record Help	DX172
View changes and restarts	Home >Providers >myrealm >Providers >Summary of Security Realms >myrealm >Providers >OUDAuthenticator > Summary of Security Realms >myrealm >Providers	
Pedig darges exist. They must be activated to take effect. Undo Al Changes Undo Al Changes Undo Al Changes © Osmain Structure CBEX172 ⊕ Osmain Pertitions ⊕ Genvices ⊕ Search Realms ⊕ Interoperability ⊕ Changoestics	Create a New Authentication Provider OK Cancel Create a new Authentication Provider The following properties will be used to identify your new Authentication Provider. * Indicates required fields The name of the authentication provider. * Rame: OAMIdentityAsserter The is the type of authentication provider you with to create. Type: OAMIdentityAsserter V ICK Cancel	
How do T		
Managa eagurity providere		
Configure authentication and identity assertion providers		
System Status		
Health of Running Servers as of 1:23 PM		
Failed (0)		

• Click on OK Button.

	ninistration Console 12c		õ						
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q Welcome, we	eblogic Connected to: OBDX_INS_TEST1						
View changes and restarts Pending changes exist. They must be activated to take effect.	Home Sammary of Environment Sammary of Servers Sammary of Security Realma Smyrealm Shoviders SOUDAuthenScator Shoviders SOUDAuthenScator Shoviders SOUDAuthenScator Shoviders SOUDAuthenScator Shoviders SOUDAuthenScator Shoviders Source State								
Activate Changes Undo All Changes	Settings for myrealm Configuration Users and Groups Roles and Policies Credential Mappings Providers Magration								
Domain Structure	Authentication Password Validation Authorization Adju	dication Role Mapping Auditing Credential Mapping Certification Path							
UBUC_INS_1ES1 B ⁺ Convint Pattlons B ⁺ Convint Pattlons B ⁺ Convint B ⁺ Convin	An Authentication provider allows WebLogic Server to establish trust by validating a user. You must have one Authentication provider in a security realm, and you can configure multiple Authentication providers in a security multiple Authentication providers in a security multiple Authentication providers in a security realm. There is the true of Authentication providers in a security realm. There is the true of								
	OBDXJWT	OBDX JWT Identity Asserter Provider	1.0						
How do I	DefaultAuthenticator	WebLogic Authentication Provider	1.0						
Configure authentication and identity	DefaultIdentityAsserter	WebLogic Identity Assertion provider	1.0						
assertion providers	OUDAuthenticator	Provider that performs LDAP authentication	1.0						
Manage security providers	OAMIdentityAsserter	Oracle Access Manager Identity Asserter	1.0						
Set the JAAS control flag Re-order authentication providers	New Delete Reorder		Showing 1 to 5 of 5 Previous Next						
System Status									
Health of Running Servers as of 10:14 AM									

• Click on Reorder Button.

ORACLE' WebLogic Server Ad	ministration Console 12c			Q						
Change Center	🏠 Home Log Out Preferences 🖂	Record Help	Welcome, weble	gic Connected to: OBDX_INS_TEST1						
View changes and restarts	Home >Summary of Environment >Sum	Home >Summary of Environment >Summary of Servers >Summary of Security Realms >myrealm >Providers >OUDAuthenticator >Providers >OUDAuthenticator >Providers								
Pending changes exist. They must be activated to take effect.	d Reorder Authentication Providers									
Activate Changes	OK									
Undo All Changes	Reorder Authentication Provide	275								
Domain Structure	You can reorder your Authentication	n Providers using the list below. By reordering Authentication	Providers, you can alter the authentication sequence.							
OBDX_INS_TEST1	Select authenticator(s) in the list and	d use arrows to move them up and down in the list.								
- Environment	Authentication Providers:									
The Deployments	Available:									
Security Realms	OUDAuthenticator									
Interoperability	OBDXJWT	$\overline{\Delta}$								
ter Diagnostics	DefaultAuthenticator									
	DefaultIdentityAsserter	~								
	04									
How do I 😑	OK Cancel									
Re-order authentication providers										
 Set the JAAS control flag 										
System Status										
Health of Running Servers as of 10:15 AM										
Failed (0)										
Critical (0)										
Warning (0)										

• Reorder the providers so that LDAP Provider (OUDAuthenticator) gets highest priority followed by OAMIdentityAsserter, OBAPIJWT, DefaultAuthenticator, DefaultIdentityAsserter.

ORACLE WebLogic Server Ad	ministration Console 12c				Q
Change Center	🙆 Home Log Out Preferences 📐	Record Help		Welcome, weblogic	Connected to: OBDX_INS_TEST
View changes and restarts	Home >Summary of Environment >Sum	nary of Servers >Summary of Security Realms >myrealm :	Providers >OUDAuthenticator >Providers >O	UDAuthenticator >Providers	
Pending changes exist. They must be activated to take effect.	Reorder Authentication Providers				
Activate Changes	OK Cancel				
Undo All Changes	Reorder Authentication Provide	5			
Domain Structure	You can reorder your Authentication	Providers using the list below. By reordering Authent	cation Providers, you can alter the auther	tication sequence.	
OBDX_INS_TEST3 @:-Domain Partitions @:-Environment :Deployments @:-Services :Security Realms @:-Interoperability @:-Diagnostics	Select authenticator(s) in the list and Authentication Providers: Available: OUDAuthenticator OAMIdentityAsserter OBDXIWT Defbutts uthenticator	use arrows to move them up and down in the list. $\overrightarrow{\Delta}$			
	DefaultIdentityAsserter	A A			
How do L	OK Cancel				
Re-order authentication providers Set the JAAS control flag					
System Status					
Health of Running Servers as of 10:15 AM					
Failed (0)					

• Click on OK Button.

Overloaded (0) Warning (0)

System Status Health of Running Servers as of 10:15 AM

ORACLE WebLogic Server Adr	ninistration Console	12c									Q
Change Center	🔒 Home Log Ou	ut Preferences 🔤 Rec	ord Help		Q				Welcome, weblogic Co	onnected to: OBDX_INS_	TEST1
View changes and restarts	Home >Summary	of Environment >Summary	y of Servers >Sumn	nary of Security Re	alms >myrealm >Pro	viders >OUI	DAuthenticator >Provide	ers >OUDAuthenticator	>Providers		
Pending changes exist. They must be activated to take effect.	Settings for myre	ealm									
Activate Changes	Configuration	Users and Groups Ro	les and Policies	Credential Mapp	oings Providers	Migratio	on				
Undo All Changes	Authentication	Password Validation	Authorization	Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path			
Domain Structure	An Authenticatic	on nrovidar allows Waht	onic Server to est	ablieb truet by va	lidating a user. You	must have	e one Authentication (arovider in a cerurity	realm, and you can configure multiple	a Authentication providers	in
OBDX_INS_TEST1 @ Domain Partitions @ Environment Deployments @ Services Security Realms	An examination provides and a series of additional tops of additional										
Interoperability Diagnostics	New Delete	Reorder							Showing	1 to 5 of 5 Previous Ne	ot
	🔲 Name			Desc	ription					Version	
	OUDAuthe	nticator		Provi	der that performs l	DAP authe	ntication			1.0	
	OAMIdentityAsserter			Oracl	Oracle Access Manager Identity Asserter					1.0	
	OBDXJWT			OBD)	JWT Identity Asse	rter Provid	er			1.0	
How do I	DefaultAut	henticator		Webl	ogic Authentication	Provider				1.0	
Configure authentication and identity assertion providers	DefaultIde	ntityAsserter		Webl	ogic Identity Asser	tion provid	er			1.0	
Configure the Password Validation provider Manage security providers Set the JAAS control flag	New Delete	Reorder							Showing	1 to 5 of 5 Previous Ne	xt
Re-order authentication providers											

• Set the OAuth URL for OBAPIJWT

Settings for OBDXJWT	
Configuration	
Common Provider Specific	
Save	
This page allows you to configure	additional attributes for this security provider.
OAuth URL:	http://obdxwls.in.oracle.
SSLEnabled	
Save	

Sample OAuth URL: <u>http://<hostname>:<port>/digx-auth/v1/token/info</u> (hostname and port should be replaced with OAM Server setup).

• Click on Activate Changes to apply the changes.

	ninistration Console	12c									Q
Change Center	Home Log O	ut Preferences 🔤 Re	cord Help		Q				Welcome, weblog	C Connected to: OBDX_INS_T	TEST1
View changes and restarts	Home >Summary	of Environment >Summa	ry of Servers >Summa	y of Security R	ealms >myrealm >P	roviders >OU	IDAuthenticator >Provide	ers >OUDAuthenticato	r >Providers		
Pending changes exist. They must be activated	Settings for myrealm										
Activate Changes	Configuration	Users and Groups R	oles and Policies	Credential Map	pings Provider	s Migrati	on				
Undo All Changes	Authentication	Password Validation	Authorization	Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path			_
Domain Structure OBDX_INS_TEST1 0P_Domain Pattions DP_Environment Deployments	An Authentication provider allows WebLogic Server to establish trust by validating a user. You must have one Authentication provider in a security realm, and you can configure multiple Authentication providers in a security realm. Different types of Authentication providers are designed to access different data stores, such as LDAP servers or DBMS. Customize this table Authentication Providers										
Diagnostics	New Delete Reorder								Sh	wing 1 to 5 of 5 Previous Nex	:xt
	Name			Des	cription					Version	
	OUDAuthe	nticator		Prov	ider that performs	LDAP authe	entication			1.0	
	OAMIdentityAsserter			Orac	Oracle Access Manager Identity Asserter					1.0	
	OBDXJWT			OBD	OBDX JWT Identity Asserter Provider					1.0	
How do I	DefaultAut	thenticator		Web	Logic Authenticati	n Provider				1.0	
Configure authentication and identity acception providers	DefaultIde	ntityAsserter		Web	Logic Identity Ass	ertion provid	ler			1.0	
Configure the Password Validation provider Manage security providers Set the JAAS control flag	New Delete	Reorder							Sh	wing 1 to 5 of 5 Previous Nex	xt
Keroruer automucation providers System Status Hanth of Pupping Service or of 10:15 AM											
reaction running Servers as 01 10:13 API											

- Now go to the <DOMAIN_PATH>/<DOMAIN_NAME>/config/fmwconfig/
- Open jps-config.xml

Replace the line: <serviceInstanceRef ref="idstore.custom"/>

With <serviceInstanceRef ref="idstore.ldap"/>

<pre>>piopercypecker rer piops.ub.r //</pre>
<pre><serviceinstance name="policystore.db" provider="policystore.provider"></serviceinstance></pre>
<propertysetref ref="props.db.l"></propertysetref>
<jpscontexts default="default"></jpscontexts>
<jpscontext name="default"></jpscontext>
<serviceinstanceref ref="credstore.db"></serviceinstanceref>
<pre><serviceinstanceref ref="keystore.db"></serviceinstanceref></pre>
<pre><serviceinstanceref ref="policystore.db"></serviceinstanceref></pre>
<serviceinstanceref ref="audit.db"></serviceinstanceref>
<pre><serviceinstanceref ref="trust"></serviceinstanceref></pre>
<serviceinstanceref ref="pdp.service"></serviceinstanceref>
<pre><serviceinstanceref ref="attribute"></serviceinstanceref></pre>
<serviceinstanceref ref="idstore.custom"></serviceinstanceref>
<jpscontext name="bootstrap_credstore_context"></jpscontext>
<serviceinstanceref ref="bootstrap.credstore"></serviceinstanceref>
<pre><serviceinstanceref ref="keystore"></serviceinstanceref></pre>
<pre><jpscontext name="bootstrap_credstore_context_local"></jpscontext></pre>
<pre><serviceinstanceref ref="bootstrap.credstore.local"></serviceinstanceref></pre>
_



- Now Shutdown the Admin server.
- Now, again start the Admin Server using the command,

<DOMAIN_PATH>/<DOMAIN_NAME>/bin/startWeblogic.sh

> Run the following script into OBAPI Schema:

```
update DIGX_FW_CONFIG_ALL_B set prop_value =
'ipm1.0,ORACLEBI12.2.1.2,GENERIC1.0,OAM122130,OUD1.0' where prop_id = '01' and category_id
= 'extxfaceadapterconfig';
```

commit;

Restart Managed Server

Verification

Post Admin and Managed Servers restart, login into Admin Console and browse to Security Realms > myrealm > Users and Groups.

Under Users tab additional LDAP users would be populated and additional LDAP groups can be seen under Groups tab.

ORACLE WebLogic Server Adr	ninistration Console 12c			Q				
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	٩	We	come, weblogic Connected to: OBDX_INS_TEST				
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers >Users and Groups							
Click the Lock & Edit button to modify, add or delete items in this domain. Lock & Edit Release Configuration	Settings for myrealm Configuration Users and Groups Roles and P Users Groups	olicies Credential Mappings Providers M	igration					
Domain Structure OBX_INS_TEST 0P-Domain Partitions PE-Environment P-Service 9-Service 9-Service 1-Interoperability 0-Interoperability 0-Interoperability 0-Dagnostics	This page displays information about each user the Some results are not displayed because there are inviewing or managing its users through the Weblog Customize this table Users (Filtered - More Columns Exist) New, Delete	It has been configured in this security realm. soo many matches. Please customize this table to	o specify more specific criteria. Note: The authentication provide	named OAMIdentityAsserter does not support Showing 1 to 10 of 1000 Previous Next				
	Name 🗞		Description	Provider				
	000800			OUD				
	000801			000				
	1207pavdav1@p.com							
How do I	1207payday2@o.com			010				
Management and an an	1207payday2@0.com			000				
Manage users and groups	1207payday5@0.com			000				
Modify upage	120/savings1@0.com			000				
Delete users	12jun.dr@ora.com			000				
	12jun.d2@ora.com			OUD				
System Status	12jun.d3@ora.com			OUD				
Hankh of Duration Contract of 2:24 DM	171040			OUD				
Failed (0) Critical (0) Critical (0)	New. Delete			Showing 1 to 10 of 1000 Previous Next				
ORACLE' WebLogic Server Adr	ninistration Console 12c			Q				
Change Center	🙆 Home Log Out Preferences 🔤 Record Help	Q	w	connected to: OBDX_INS_TEST				
View changes and restarts	Home >Summary of Security Realms >myrealm >Provid	ers >Users and Groups						
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for myrealm							
Lock & Edit	Configuration Users and Groups Roles and R	Policies Credential Mappings Providers 1	ligration					
Release Configuration	Users Groups							
Domain Structure	This page displays information about each group t	hat has been configured in this security realm.						

Groups

Note: The authentication pro

🖗 Cu

nize this table

		Showing 10 10 0122 Frends Inc				
		Name 🗠	Description	Provider		
		AdminChannelUsers	AdminChannelUsers can access the admin channel.	DefaultAuthenticator		
		AdminChecker		OUD		
		Administrator		OUD		
-		Administrators		OUD		
		Administrators	Administrators can view and modify all resource attributes and start and stop servers.	DefaultAuthenticator		
		AdminMaker		OUD		
		AppTesters	AppTesters group.	DefaultAuthenticator		
		AuthAdmin		OUD		
		Checker		OUD		
		CorporateAdminChecker		OUD		
РМ	Ne	w Delete	Show	ing 1 to 10 of 22 Previous Next		

ider named OAMIdentityAsserter does not support viewing or managing its groups through the WebLogic console

Home

How do I...

Manage users and groups

Create groups

Modify groups

Delete groups

System Status

Health of Running Servers as of 3:52

Failed (0)

Critical (0)

Critical

11. Multi Entity

To add entity to existing OBAPI with supported host system follow below steps.

- Add entity through OBAPI Web application, using
 - User Manual Oracle Banking Digital Experience System Configuration User Manual
- > In case of OBTFPM integration, following document should be referred.
- > Oracle Banking Mid-Office Product Setup and Configuration Guide Running OBAPI installer

Ensure that Managed server should be down and Admin server should be running state.

Ensure ORACLE_HOME, JAVA_HOME variable are set and their binaries are available in PATH variable before proceeding.

Login with OS user which was used to perform OBAPI software installation (or has ownership on Oracle Weblogic home directory)

Ensure OBAPI installation details (OBAPI DB; WLS etc) are maintained in installer.properties and user running the installer has read-write permissions.

- From your terminal navigate to <OBAPI INSTALLER DIR>
- Enter the following command

python runInstaller.py

Select installation type as 'New Entity Creation'

Flease sele	ect the installation type from the options below :	
	OBDX Installation	
	New Entity Creation	

Below screen will appear after selecting add entity

Enter the entity code :
>>080X_801
Valid.
Enter password for the OBDX Schema :
\$

Enter below information:

- Entity code which has been added from screen
- OBAPI schema password

If an entity code belongs to UBS / OBPM host following screen (below screenshot are for OBPM ; for UBS same input are required) will appear:

Enter the OBPM143 DB hostname :
»
Enter the OBEM143 DB port :
»
Enter the OBFM143 SID :
»
Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :
»
Terror the uneversus with found privilares
Enter the username with 'sys' privileges :
<i></i>
Enter password for the user with svs privileges :
»
Enter existing weblogic admin password :
»
The (s), bein to participe averticipe and purcher lattery editing them
nos (1/1) yelo no maxidare nermeem darapitono ana hreso, emret arret entrinà ruem
Enter the OBEM143 DB hostname :
>>mumas012.in.oracle.com
Valid.
Enter the OBFM143 DB port :
>>1520
Valid.
Enter the OBEM143 SID :
>>obdxhst.in.oracle.com
Valid.
Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :
>>TBS_DIR

>>**sys** Valid.

>>*****

>>****

Valid. se (\uparrow/\downarrow) keys to navigate between questions and press 'enter' after editing them

Enter below details:

- Hostname of the database host server
- Port of the database host server
- Host database Service Name
- Oracle directory name in which you want the database datafile (dbf) to be created. Enter only the name NOT the path.
- Username with 'sys' privileges
- SYS privilege user password where UBS schema would be created
- Weblogic console administrator user password

Enter the existing OBFM143 host schema name :				
».				
Enter the password for existing OBEM143 host schema :				
»				
Enter new OBEM143 BIAL schema name :				
<u>"</u>				
Enter new schema password :				
»				
Enter country code :				
»				
Use (1/1) keys to navigate between questions and press 'enter' after editing them				

Enter below details:

- EXISTING Host schema name
- Password for EXISTING schema
- Complete EHMS (HostInterface) schema name you want installer to create as new schema
- Password for New schema
- Country Code of entity branch

Installation Status in case of UBS / OBPM

After entering all required details, the status is displayed (as shown below) on the terminal to indicate the progress of the installation.



When the installation completes, the below message is displayed



Post successful installation refer to "Section 8: Post Installation steps" for manual steps to be performed for UBS additional entity (sub-section : Oracle FLEXCUBE Universal Banking (OBAPI with UBS)).

If an entity code belongs to Third-party host following screen will appear:



No additional steps/ configuration are required.

If an entity code belongs to Oracle FLEXCUBE Core Banking host following screen will appear:

Enter the FCORE DB hostname :
»
Enter the FCORE DB port :
»
Enter the FCORE SID :
»
Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :
>
Enter the username with 'sys' privileges :
>
anter password for the user with sys privileges :
2
Parar ovisting values admin resourced
Anter existing weblogic dumin password :
Jse $(t/1)$ keys to navigate between questions and press 'enter' after editing them

Enter the FCORE DB hostname :				
>>mumaa012.in.oracle.com				
Valid.				
Enter the FCORE DB port :				
>>1520				
Valid.				
Enter the FCORE SID :				
>>obdxhst.in.oracle.com				
Valid.				
Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :				
>>TB5_DIR				
Valid.				
Enter the username with 'sys' privileges :				
Sosya				
Valid.				
Enter password for the user with sys privileges :				
Summ				
Valid,				
Enter existing weblogic admin password :				
5				
Valid. Use (t/i) keys to navigate between questions and press 'enter' after editing them				

Enter below details:

- Hostname of the FCORE database host server
- Port of the FCORE database host server
- FCORE Host database Service Name
- Oracle directory name in which you want the database datafile (dbf) to be created. Enter only the name NOT the path.
- Username with 'sys' privileges

- SYS privilege user password where FCORE schema would be created
- Weblogic console administrator user password



Enter the existing FCR schema name :
>>FCRHOST
Valid.
Enter the existing FCUBS schema name :
>>FCRUBSH05T
Valid.
Enter new FCORE schema name :
>>FCRHOSTIST
Valid.
Enter new schema password :
»
Valid.
Use (\uparrow/\downarrow) keys to navigate between questions and press 'enter' after editing them

Enter below details:

- EXISTING FCORE HOST schema name
- EXISTING FCORE FCUBS schema name
- Complete EHMS (HostInterface) schema name you want installer to create as new schema
- Password for New EHMS schema

Installation status for FCORE Add entity

After entering all required details, the status is displayed (as shown below) on the terminal to indicate the progress of the installation.



No additional steps/ configuration are required.

Post successful installation refer to "Section 8: Post Installation steps" for manual steps to be performed for OBPM additional entity (sub-section: Oracle FLEXCUBE Universal Banking with Oracle Banking Payments (OBAPI with OBPM)).

12. Multi-entity installation using Silent Mode

This chapter describes how to run the OBAPI installer for add entity in silent mode.

Ensure that Managed server should be down and Admin server should be running.

Ensure ORACLE_HOME, JAVA_HOME variable are set and their binaries are available in PATH variable before proceeding.

Login with OS user which was used to perform OBAPI software installation (or has ownership on Oracle Weblogic home directory)

Steps for Silent-Mode Installation

• Set the environment variables, as shown below.

OBDX Installer]	\$ export	Entity_Code=OBDX_BU7
OBDX Installer]	\$ export	SCHEMA_PASS=welcomel
OBDX Installer]	\$ export	ENTITY_EHMS_DATABASE_HOSTNAME=hostanme.in.oracle.com
OBDX Installer]	\$ export	ENTITY_EHMS_DATABASE_PORT=1520
OBDX Installer]	\$ export	ENTITY_EHMS_DATABASE_SID=obdxdb.in.oracle.com
OBDX_Installer]	\$ export	ENTITY_EHMS_DBA_DIRECTORY_NAME=TBS_DIR
OBDX_Installer]	\$ export	ENTITY_EHMS_DATABASE_SYS_USER=sys
OBDX_Installer]	<pre>\$ export</pre>	ENTITY_EHMS_DATABASE_SYS_PASS=welcome1
OBDX_Installer]	\$ export	ENTITY_EHMS_SCHEMA_NAME=welcomel
OBDX_Installer]	<pre>\$ export</pre>	ENTITY_EHMS_SCHEMA_PASS=welcomel
OBDX_Installer]	<pre>\$ export</pre>	ENTITY_EHMS_HOST_SCHEMA_NAME=FCUBS140
OBDX_Installer]	\$ export	ENTITY_EHMS_HOST_SCHEMA_NAME_PASS=welcome1
OBDX_Installer]	<pre>\$ export</pre>	WLS_DOMAIN_PASS=welcome1
OBDX_Installer]	export	ENTITY_EHMS_HOST_SCHEMA_NAME_PASS=FCUBS140
OBDX_Installer]	<pre>\$ export</pre>	ENTITY_EHMS_CCY=GB
OBDX_Installer]	\$ <mark>p</mark> ython	runInstaller.pysilentaddEntity

Below parameters should be set in environment variables

	Parameter	Description	Example
	Entity_Code	Entity code	export Entity_Code=OBDX_BU7
		which has	
		been	
		entered	
Environmen		from screen	
t variables	SCHEMA_PASS	Password	export
to set for		for existing	SCHEMA_PASS=devops#obapi182
flavor:		OBAPI	
		schema	
FCORE	ENTITY_EHMS_DATABAS	Hostname	export
	E_HOSTNAME	of the	ENTITY_EHMS_DATABASE_HOSTNA
UBS		EHMS	ME=mumaa012.in.oracle.com
(14.3.0.0.0		HOST	
release)		database	
OBPM		host server	
(14.3.0.0.0	ENTITY_EHMS_DATABAS	Port of the	export
release)	E_PORT	EHMS	ENTITY_EHMS_DATABASE_PORT=1
		HOST	521
		database	
		host server	
	ENTITY_EHMS_DATABAS	EHMS Host	export
	E_SID	database	ENTITY_EHMS_DATABASE_SID=oba

Γ			
		Service	pidb.in.oracle.com
		Name	
	ENTITY_EHMS_DBA_DIR ECTORY_NAME	Oracle Directory name in which you want the EHMS (HostInterfa ce) schema datafile (dbf)	export ENTITY_EHMS_DBA_DIRECTORY_N AME=TBS_DIR
		Enter only the name and NOT the path	
	ENTITY_EHMS_DATABAS E_SYS_USER	Username with 'sys' privileges	export ENTITY_EHMS_DATABASE_SYS_US ER=sys
	ENTITY_EHMS_DATABAS	Password	export
	E_SYS_PASS	for EHMS	ENTITY_EHMS_DATABASE_SYS_PA
	ENTITY EUMS SCHEMA	Sys user	oxport
	ENTITY_EHMS_SCHEMA_ NAME ENTITY_EHMS_SCHEMA_ PASS	Complete EHMS (HostInterfa ce) schema name you want installer to create as new schema. Password for new	export ENTITY_EHMS_SCHEMA_NAME=OB APIEHMS export ENTITY_EHMS_SCHEMA_PASS=dev
	ENTITY_EHMS_HOST_SC	EHMS schema on EHMS HOST database EXISTING	export
	HEMA_NAME	EHMS Host schema name	ENTITY_EHMS_HOST_SCHEMA_NA ME=EHMSHOST
	ENTITY_EHMS_HOST_SC HEMA_NAME_PASS **This parameter is only	Password of existing HOST EHMS	export ENTITY_EHMS_HOST_SCHEMA_NA ME_PASS=ehmshst
	required for UBS & OBPM	schema (Existing)	
	WLS DOMAIN PASS	Password	export
		for Weblogic admin console	WLS_DOMAIN_PASS=weblogic182
	ENTITY_EHMS_CCY	Country	export ENTITY_EHMS_CCY=GB
		Code for	

	**This parameter is only required for UBS & OBPM Host ENTITY_EHMS_FCORE_F CUBS_SCHEMA_NAME **This parameter is only required for ECORE	new or additional entity home branch FCORE- FCUBS HOST schema name	export ENTITY_EHMS_FCORE_FCUBS_SCH EMA_NAME=FCRUBSHOST
Environmen t variables to set for flavor:	Entity_Code	Entity code which has been entered from screen	export Entity_Code=OBDX_BU1
OBAPI (Third-party HOST)	SCHEMA_PASS	Password for existing OBAPI schema	export SCHEMA_PASS=welcome1

• Run the runInstaller.py file with '--silent ' argument along with '--addEntity'

[devops@	/]\$		
[devops@	/]\$	export	Entity_Code=OBDX_BU7
[devops@	/]\$	export	SCHEMA_PASS=devops#obdx182
[devops@	/]\$	export	ENTITY_EHMS_DATABASE_HOSTNAME=mumaa012.in.oracle.com
[devops@	/]\$	export	ENTITY_EHMS_DATABASE_PORT=1521
[devops@	/]\$	export	ENTITY_EHMS_DATABASE_SID=obdxdb.in.oracle.com
[devops@	/]\$	export	ENTITY_EHMS_DBA_DIRECTORY_NAME=TBS_DIR
[devops@	/]\$	export	ENTITY_EHMS_DATABASE_SYS_USER=sys
[devops@	/]\$	export	ENTITY_EHMS_DATABASE_SYS_PASS=devops@sys
[devops@	/]\$	export	ENTITY_EHMS_SCHEMA_NAME=OBDXEHMS
[devops@	/]\$	export	ENTITY_EHMS_SCHEMA_PASS=devops#ehms
[devops@	/]\$	export	ENTITY_EHMS_HOST_SCHEMA_NAME=FCUBS140
[devops@	/]\$	export	ENTITY_EHMS_HOST_SCHEMA_NAME_PASS=FCUBS140HST
[devops@	/]\$	export	WLS_DOMAIN_PASS=weblogic182
[devops@	/]\$	export	ENTITY_EHMS_CCY=GB
[devops@	/]\$	python	runInstaller.pysilentaddEntity

Installation Status in case of Oracle FLEXCUBE Core Banking, Oracle FLEXCUBE Universal Banking, Oracle FLEXCUBE Universal Banking with Oracle Banking Payments

After entering all required details, the status is displayed (as shown below) on the terminal to indicate the progress of the installation.



When the installation completes, the below message is displayed



Post successful installation refer to "Section 8: Post Installation steps" for manual steps to be performed for

- UBS additional entity (sub-section : Oracle FLEXCUBE Universal Banking Solution (OBAPI with UBS))
- OBPM additional entity (sub-section: Oracle FLEXCUBE Universal Banking with Oracle Banking Payments (OBAPI with OBPM))

Installation Status in case of other hosts as Add Entity

After entering all required details, the status is displayed (as shown below) on the terminal to indicate the progress of the installation.

THP(third party as entity)



Home

13. OBAPI Product Security

Refer below document for OBAPI product security configuration Oracle Banking Digital Experience Security Guide

Home

14. OBAPI Product – Best Practice

14.1 Tablespace for AUDIT INDEX

The index's used by AUDIT table should be moved into new tablespace from current AUDIT tablespace.

Follow below steps

- Create a new tablespace
- ➢ Give quota to OBAPI schema

alter user <OBAPI_SCHEMA> quota unlimited on <OBAPI_AUDIT_INDEX_TABLESPACE>;

- > Drop and create below index by mapping the newly created tablespace
 - OBAPI_Installer\installables\db\OBAPI\ddl\oracle\audit\ IDX_DIGX_AL_API_AUDIT_LOGGING.sql
 - OBAPI_Installer\installables\db\OBAPI\ddl\oracle\audit\ IDX_DIGX_AL_API_AUDIT_LOG_HIST.sql
 - OBAPI_Installer\installables\db\OBAPI\ddl\oracle\audit\IDX_DIGX_AL_AUDIT_LOGGING.sql
 - OBAPI_Installer\installables\db\OBAPI\ddl\oracle\audit\ IDX_DIGX_AL_AUDIT_LOGGING_1.sql
 - OBAPI_Installer\installables\db\OBAPI\ddl\oracle\audit\ IDX_DIGX_AL_AUDIT_LOGGING_2.sql
 - OBAPI_Installer\installables\db\OBAPI\ddl\oracle\audit\ IDX_DIGX_AL_AUDIT_LOGGING_3.sql
 - OBAPI_Installer\installables\db\OBAPI\ddl\oracle\audit\ IDX_DIGX_AL_AUDIT_LOGGING_4.sql
 - OBAPI_Installer\installables\db\OBAPI\ddl\oracle\audit\IDX_DIGX_AL_AUDIT_LOGGING_DET AILS.sql

15. JPA and OBAPI multi-cluster

In a multi-cluster environment, below JPA related changes should be implemented

- ➢ Go to Weblogic server
- Open config\META-INF\persistence.xml
- > Append below configuration for all data-source

<property name="eclipselink.cache.coordination.jms.host" value="t3://<WEBLOGIC-HOST-NAME OR IP>:<MANAGED-SERVER-PORT>/" />

Replace with respective hostname or IP and Port no (this should be the managed server port number which hosts the JPA queues in the cluster)

Key pointers;

- Multi-cluster here refer's to :
 - Single cluster with multiple nodes (2 or more physical servers hosting the OBAPI product)
 - 2 or more Weblogic cluster's
- Ensure these (persistence.xml) changes are available to all Managed server by maintaining appropriate classpath

16. Troubleshoot Overview

This section describes how to troubleshoot OBAPI setup.

Invalid database password

This topic contains troubleshooting information if you receive an error when attempting to connect to the database server.

If you get the following error:



Try one of the following:

- Verify that the database is running.
- Check Network connectivity between Weblogic Server and Database server.
- Check the database configuration in installer.properties file
- Verify that the entered password is correct.

cx_oracle module

This topic contains troubleshooting information about problems with cx_Oracle python module. If you get the following error:



Execute the below command:

export LD_LIBRARY_PATH=/usr/lib/oracle/18.3/client64/lib:\$LD_LIBRARY_PATH

python

import cx_Orace

cx_Oracle.__version__

```
[devops@ /]$ export LD_LIBRARY_PATH=/usr/lib/oracle/18.3/client64/lib/:$LD_LIBRARY_PATH
[devops@ /]$ python
Python 2.7.5 (default, Apr 11 2018, 17:41:36)
[GCC 4.8.5 20150623 (Red Hat 4.8.5-28.0.1)] on linux2
Type "help", "copyright", "credits" or "license" for more information.
>>> import cx_Oracle
>>> cx_Oracle.__version______'7.3_0'
```

Failed Database Scripts

This topic contains troubleshooting information in case of database script failures.

If you get the following error in DB_installation.log:

2017-07-13 13:45:41,051 DEBUG Executed /scratch/jenkins/0BDX_Installer/ExecInstances/13Jul1338/db/UBS/seed/MSTFORMATS.sql successful 2017-07-13 13:45:41,081 DEBUG Executed /scratch/jenkins/0BDX_Installer/ExecInstances/13Jul1338/db/UBS/seed/mstdevice.sql successful 2017-07-13 13:45:41,747 DEBUG Executed /scratch/jenkins/0BDX_Installer/ExecInstances/13Jul1338/db/UBS/seed/MSTENTITYUSERTYPELANG.sql successful 2017-07-13 13:45:41,747 DEBUG Executed /scratch/jenkins/0BDX_Installer/ExecInstances/13Jul1338/db/UBS/seed/MSTENTITYUSERTYPELANG.sql successful 2017-07-13 13:45:41,796 ERROR Executed /scratch/jenkins/0BDX_Installer/ExecInstances/13Jul1338/db/UBS/seed/mstlang.sql failed

Check the detailed log of the failed SQL file at <OBAPI INSTALLER DIR>/ExecInstances/<DDMonthHHMM> /logs/db folder.

Failure of Policy Seeding

This topic contains troubleshooting information if policy seeding fails during installation.

If you get the following error:

Policy seeding failed. Please see logs for more details

Try one of the following:

Check if Entitlement.log is created on following path <OBAPI INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/db/ and contains any SEVERE errors for Entitlement policy seeding.

Check if Task.log is created on following path <OBAPI INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/db/ and contains any SEVERE errors for Task policy seeding.

Check if Dashboard_seed.log is created on following path <OBAPI INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/db/ and contains any SEVERE errors for Dashboard policy seeding. Check the seedPolicies.log in <OBAPI INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/db/ directory if it contains any runtime errors generated during execution of the policies Seeding in OBAPI schema

Fix the problem by following below steps:

- Login to OBAPI installer server
- Over-write the policies files (Day0Policy.csv; Entitlement.csv; Resources.csv and Task.csv) from OBAPI Product zip into <OBAPI INSTALLER DIR>/installables/policies directory
- Browse to <OBAPI INSTALLER DIR>\ installables\policies
- Edit Entitlement_log4j.properties , Task_log4j.properties & Dashboard_seed_log4j.properties . Replace <logs_path> with directory where policy seeding logs will be generated

e.g					
# default file output is in user's home directory.					
<pre>java.util.logging.FileHandler.pattern = <logs_path>/Task.log java.util.logging.FileHandler.limit = 50000</logs_path></pre>					
java.util.logging.FileHandler.count = 1 #java.util.logging.FileHandler.formatter = java.util.logging.XMLFormatter java.util.logging.FileHandler.formatter = java.util.logging.SimpleFormatter java.util.logging.SimpleFormatter.format= [%1\$tc] %4\$s: %2\$s - %5\$s %6\$s%n					
<pre># Limit the message that are printed on the console to INFO and above. java.util.logging.ConsoleHandler.level = OFF java.util.logging.ConsoleHandler.formatter = java.util.logging.SimpleFormatter</pre>					

# default file output is in user's home directory. #java.util.logging.FileHandler.pattern = %h/java%u.log java.util.logging.FileHandler.pattern = /scratch/Task.log java.util.logging.FileHandler.limit = 50000					
<pre>Java.util.logging.FileHandler.count = 1 #java.util.logging.FileHandler.formatter = java.util.logging.XMLFormatter java.util.logging.FileHandler.formatter = java.util.logging.SimpleFormatter java.util.logging.SimpleFormatter.format= [%1\$tc] %4\$s: %2\$s - %5\$s %6\$s%n</pre>					

> Run below command manually if "SEVERE" error logs are found in Task.log

java -jar -Djava.util.logging.config.file='<logs.properties>' com.ofss.digx.utils.feed.data.task.jar "Task.csv" "oracle.jdbc.OracleDriver,<OBAPI Schema name>,<OBAPI Schema password>,jdbc:oracle:thin:@<OBAPI DB hostname or IP>:<OBAPI DB listener port>/<OBAPI Service Name>"

for e.g.:
java -jar -Djava.util.logging.config.file='Task_log4j.properties' com.ofss.digx.utils.feed.data.task.jar 'Task.csv'

"oracle.jdbc.OracleDriver,OBAPI_THP181,Welcome#1,jdbc:oracle:thin:@10.44.169.255:1521/OBAPI"

> Run below command manually if "SEVERE" error logs are found in Entitlement.log

java -jar -Djava.util.logging.config.file='<logs.properties>' com.ofss.digx.utils.entitlement.feed.data.jar 'Resources.csv,Entitlement.csv,Day0Policy.csv' 'KERNEL' "oracle.jdbc.OracleDriver,<OBAPI Schema name>,<OBAPI Schema password>,jdbc:oracle:thin:@<OBAPI DB hostname or IP>:<OBAPI DB listener port>/<OBAPI Service Name>"

for e.g.:

java -jar -Djava.util.logging.config.file='Entitlement_log4j.properties' com.ofss.digx.utils.entitlement.feed.data.jar "Resources.csv,Entitlement.csv,Day0Policy.csv' 'KERNEL' "oracle.jdbc.OracleDriver,OBAPI_THP181,Welcome#1,jdbc:oracle:thin:@10.44.169.255:1521/OBAPI"

> Run below command manually if "SEVERE" error logs are found in Dashboard_seed.log

java -jar -Djava.util.logging.config.file='<logs.properties>' com.ofss.digx.utils.dashboard.jar '<path>/ dashboard_json' "oracle.jdbc.OracleDriver,<OBAPI Schema name>,<OBAPI Schema password>,jdbc:oracle:thin:@<OBAPI DB hostname or IP>:<OBAPI DB listener port>/<OBAPI Service Name>"

for e.g.:

java -jar -Djava.util.logging.config.file= Dashboard_seed_log4j.properties' com.ofss.digx.utils.dashboard.jar '/installables/policies/dashboard_json' "oracle.jdbc.OracleDriver,OBAPI_THP181,Welcome#1,jdbc:oracle:thin:@10.44.169.255:1521/OBAPI"

> Post successfully execution, restart Managed server.

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