

Oracle Banking Digital Experience

**Installation Guide
Release 18.2.0.0.0**

Part No. E97823-01

January 2018

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Table of Contents

1.	Preface.....	4
2.	Introduction.....	6
3.	Prerequisites	7
4.	Installation.....	9
5.	Installation using Silent Mode.....	22
6.	Installer Verification	27
7.	Installer Scope	28
8.	Configuring the Connector Credential Store.....	35
9.	Post Installation Steps	36
10.	OBDX Product Verification.....	75
11.	Configuration for OUD/OAM	78
12.	Multi Entity	91
13.	Multi-entity installation using Silent Mode	100
14.	OBDX Product Security	105
15.	Troubleshoot Overview	106

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=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

1.5 Related Information Sources

For more information on Oracle Banking Digital Experience Release 18.2.0.0.0, refer to the following documents:

- Oracle Banking Digital Experience Licensing Guide
- Oracle Banking Digital Experience Installer Pre-Requisite Setup Manual
- Oracle Banking Digital Experience OBP Base Setup and Configuration
- Oracle Banking Digital Experience OBP US LZN Setup and Configuration
- Oracle Banking Digital Experience OFSLL Setup Configuration
- Oracle Banking Digital Experience Origination Social Media Integration
- Oracle Banking Digital Experience OHS User Interface Configuration
- Oracle Banking Digital Experience Chatbot Configuration

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

2. Introduction

2.1 Purpose of the Document

The purpose of the OBDX 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 OBDX & OBDX installer
- Setup of OBDX with Oracle's own Core Banking and Origination Products along with Third-party HOST system.
- Running the installation in silent mode
- Advanced Configurations (Post installation)
- Installation Verification
- Multi-Entity Installation and configuration

[Home](#)

3. Prerequisites

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

For OBDX 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 OBDX 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-release-7.3-1.0.4.el7.x86_64
oracle-logos-70.0.3-4.0.7.el7.noarch
oracle-instantclient12.2-basic-12.2.0.1.0-1.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:

Step 1: Execute python -V command

```
python -V
```

```
[          ]# 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__

```
[ urwid-1.3.1]# python
Python 2.7.5 (default, May  8 2014, 17:35:19)
[GCC 4.8.2 20140120 (Red Hat 4.8.2-16)] on linux2
Type "help", "copyright", "credits" or "license" for more information.
>>> import urwid
>>> urwid.__version__
'1.3.1'
```

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

```
>>> import cx_Oracle
>>> cx_Oracle.version
'5.2.1'
```

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

Note: Ensure cx_Oracle 5.2.1 supported version is installed. Above command should reflect the same.

[Home](#)

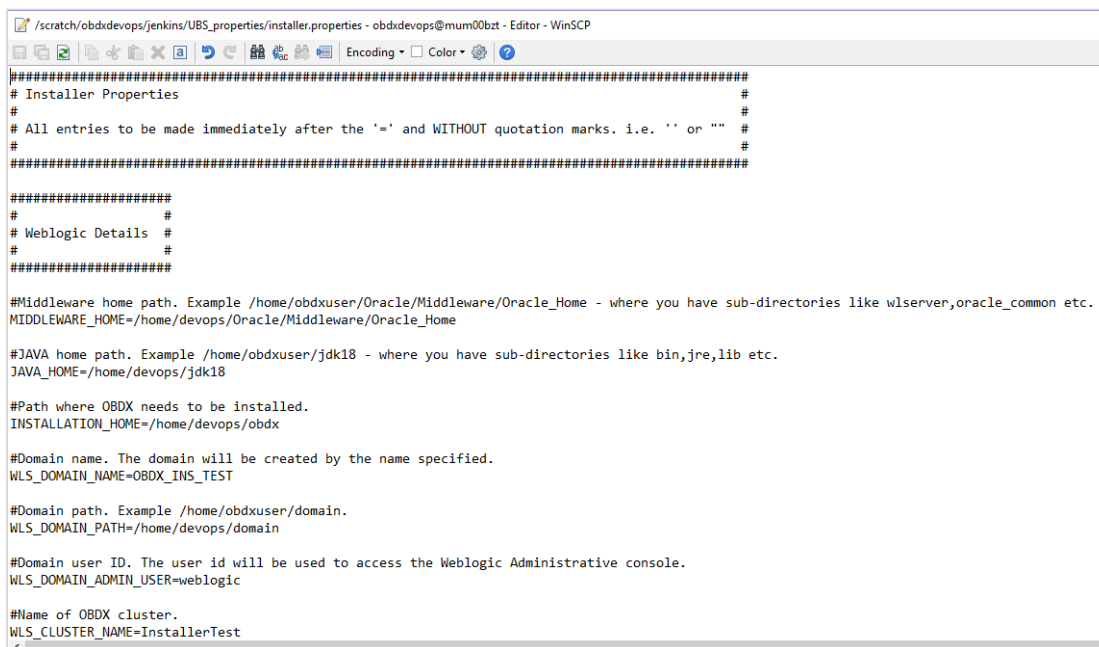
4. Installation

Pre-Installation

- Install all the prerequisite software and packages mentioned above

Steps of Installation

- Download and extract the installer zip file (Base – non localization version).
- Navigate to “<OBDX INSTALLER DIR>/core/config”
- Open the “installer.properties” file to maintain key configurations for BASE ENTITY (OBDX_BU)



```

/scratch/obdxdevops/jenkins/UBS_properties/installer.properties - obdxdevops@mum00bzt - Editor - WinSCP
#####
# Installer Properties
#
# All entries to be made immediately after the '=' and WITHOUT quotation marks. i.e. '' or ""
#
#####

#####
#
# Weblogic Details
#
#####

#Middleware home path. Example /home/obdxuser/Oracle/Middleware/Oracle_Home - where you have sub-directories like wlsuser,oracle_common etc.
MIDDLEWARE_HOME=/home/devops/Oracle/Middleware/Oracle_Home

#JAVA home path. Example /home/obdxuser/jdk18 - where you have sub-directories like bin,jre,lib etc.
JAVA_HOME=/home/devops/jdk18

#Path where OBDX needs to be installed.
INSTALLATION_HOME=/home/devops/obdx

#Domain name. The domain will be created by the name specified.
WLS_DOMAIN_NAME=OBDX_INS_TEST

#Domain path. Example /home/obdxuser/domain.
WLS_DOMAIN_PATH=/home/devops/domain

#Domain user ID. The user id will be used to access the Weblogic Administrative console.
WLS_DOMAIN_ADMIN_USER=weblogic

#Name of OBDX cluster.
WLS_CLUSTER_NAME=InstallerTest

```

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 (for e.g.: If user is about to install OBDX for UBS 14.0 host; then WLS_JMS_EXTSYSRECEIVER_PS and WLS_JMS_EXTSYSENDER_PS since used for Third-party host only).

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

Component	Parameter	Description	Example
DB details (for Weblogic RCU and OBDX schema)	OBDX_DATABASE_HOSTNAME	Enter the hostname of the database server which would host the database schema for OBDX and Weblogic RCU	ofss310759
	OBDX_DATABASE_PORT	Enter the port number of the database listener	1521
	OBDX_DATABASE_SID	Enter the Oracle Service Name for database instance	obdxdb.in.oracle.com
	OBDX_DATABASE_SYS_USER	Enter the username with 'sys' privileges	sys
	POST_FIX	For OBDX schema name like "OBDX_DEV" POST FIX is 'DEV'. SHOULD BE IN UPPERCASE ONLY.	DEV
	OBDX_DBA_DIRECTORY_NAME	Enter the directory name in which you want the OBDX 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

Component	Parameter	Description	Example
EHMS DB details (to be configured only in-case of FLAVOR as UBS,FCORE& OBPM)	EHMS_DATABASE_HOSTNAME	Enter the hostname for EHMS database server	ofss310759
	EHMS_DATABASE_PORT	Enter the port number of EHMS database listener	1521
	EHMS_SCHEMA_NAME	Enter the Complete OBDX-EXT (B1A1) HostInterfaceschema name you want installer to create as new schema. SHOULD BE IN UPPERCASE ONLY.	EHMS182SCHEMA
	EHMS_DBA_DIRECTORY_NAME	Enter the directory name in which you want the OBDX-EXT (B1A1) schema tablespace datafile to be created. Enter Logical name (i.e. DIRECTORY_NAME	OPATCH_LOG_DIR

		column) from DBA_DIRECTORIES table NOT the physical path.	
	EHMS_DATABASE_CYS_USER	Enter the username with 'sys'	
Component	Parameter	Description	Example
Weblogic server details	EHMS_DATABASE_SID	Enter the EHMS database Service Name Oracle Weblogic Middleware home path. Example	obdxehms.in.oracle.com
	EHMS_HOST_SCHEMA_NAME	Enter the EXISTING EHMS HOST schema name /home/obdxuser/Oracle/Middleware/Oracle_Home - where you have sub-directories like	OBDXUBS
	MIDDLEWARE_HOME EHMS_CCY	Enter the Country code for EHMS HOME Branch wlsuser/Oracle_common etc.	acle/Middleware/Oracle_Home GB
	JAVA_HOME	Path where JAVA (JDK) is installed Enter the Branch code for	/home/obdxuser/jdk18
	EHMS_HB	code for EHMS HOME Branch Path where OBDX 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.	AT3
	EHMS_FCORE_FCUBS_SCHEMA_NAME (to be configured for FCORE HOST only) INSTALLATION_HOME	FCORE_FCUBS schema name "config" under this directory. DO NOT KEEP INSTALLATION_HOME AS MiddlewareHome.	FCRUBSHOST /home/obdxuser/obdx
	WLS_DOMAIN_PATH	Path where OBDX 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

	WLS_CLUSTER_NODE_HOSTNAME	Host name or IP address of managed server participating in the cluster. Currently only single node is supported.	ofss310759
	WLS_ADMIN_SERVER_PORT	Weblogic AdminServer port. It is the port to access the administrative 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 administrative console of the Weblogic server. Custom port are supported, users need to assign 7002; for custom port manual change is required.	7002
	WLS_NODE_PORT	Node Manager Port. It is the port used by Node Manager to be configured for OBDX domain. Generally, 5556 is utilized as Node Manager Port. Custom ports are supported.	5556
	WLS_MS_SERVER_NAME	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 clip1etc.	clip
	WLS_MS_SERVER_PORT	Managed Server Port. Managed server will utilize this port for hosting OBDX 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 Administrative console.	weblogic
	WLS_JMS_FILEUPLOAD_PATH (to be configured for all OBDX supported HOST)	Set the paths for the persistence stores of the FileUpload JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME.	/scratch/obdx/FileUpload

- N o t e : A p p l i c a t i o n f r o m a b o v e a R C U y o t h e r O B D X A u t h e n t i c a t o r A d m i n u s e r d e t a i l s	WLS_JMS_AUDIT_PS (to be configured for all OBDX supported HOST)	Set the paths for the persistence stores of the Audit JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME .	/scratch/obdx/Audit
	WLS_JMS_REPORT_PS (to be configured for all OBDX supported HOST)	Set the paths for the persistence stores of the Reports JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME .	/scratch/obdx/Reports
	WLS_JMS_EXTSYSRECEIVER_PS (to be configured for Third-party OBDX host only)	Set the paths for the persistence stores of the ExtSystemReceiver JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME .	/scratch/obdx/Receiver
	WLS_JMS_EXTSYSENDE R_PS (to be configured for Third-party OBDX host only)	Set the paths for the persistence stores of the ExtSystemSender JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME .	/scratch/obdx/Sender
	OBDX_RCU_STB_PREFIX	STB schema name prefix. If schema pre-fix is 'OBDX' then 'OBDX_STB' would be the STB schema name.	OBDX_STB
	OBDX_ADMIN_USERNAME	Set username for OBDX 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
	OBDX_ADMIN_EMAIL	Enter the Email ID for OBDX application admin user.	superadmin@oracle.com
	OBDX_ADMIN_CONTACT_NO	Enter the mobile number for OBDX application admin user. COUNTRY CODE IS MUST.	+911234567890

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 OBDX pre-requisite software installation (or has ownership on Oracle Weblogic home directory)

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

Installation Steps:

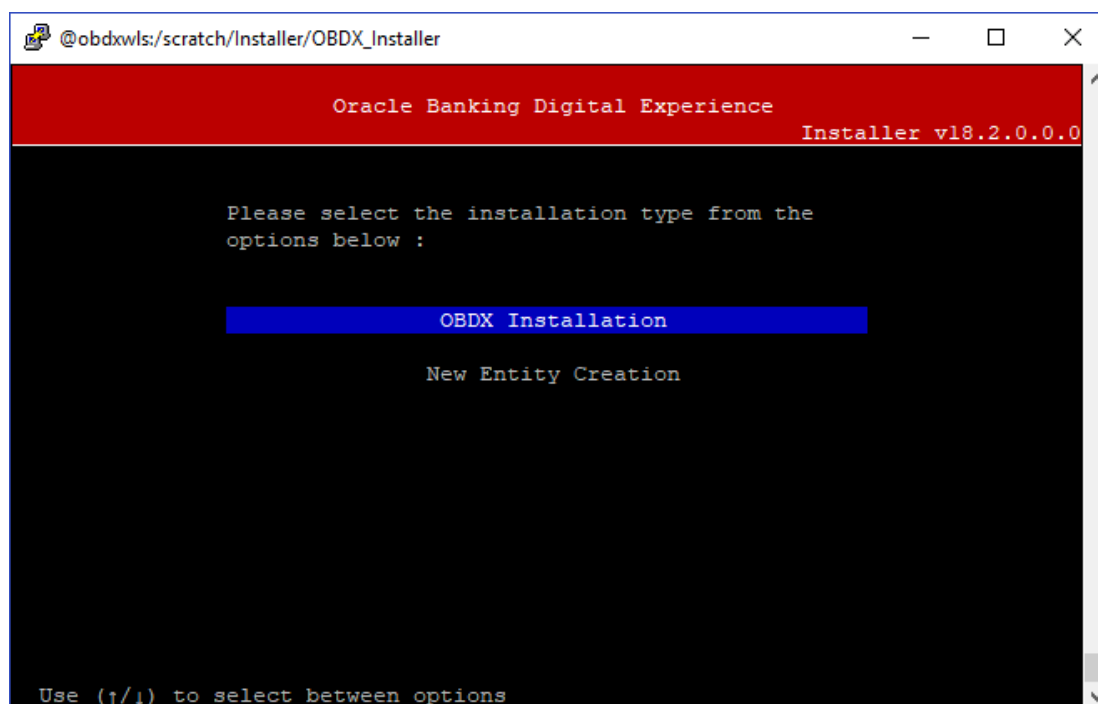
- From your terminal navigate to <OBDX INSTALLER DIR>/

```
[devops@obdxwls OBDX_Installer]$ pwd
/scratch/OPSFE/OBDX_Installer
[devops@obdxwls OBDX_Installer]$ ls -ltr
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  0 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 framework
drwxrwxrwx 7 54323 wheel 4096 Jul  2 10:47 ExecInstances
[devops@obdxwls OBDX_Installer]$
```

- Enter the following command

python runInstaller.py

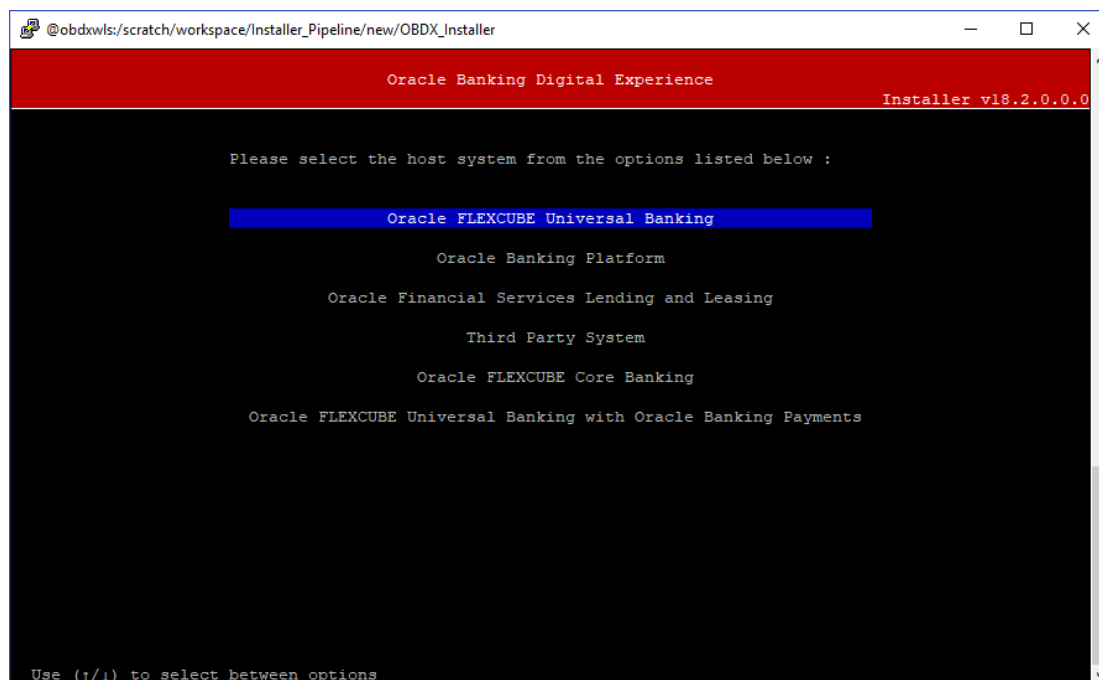
Select the appropriate type of Installation



- OBDX 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.

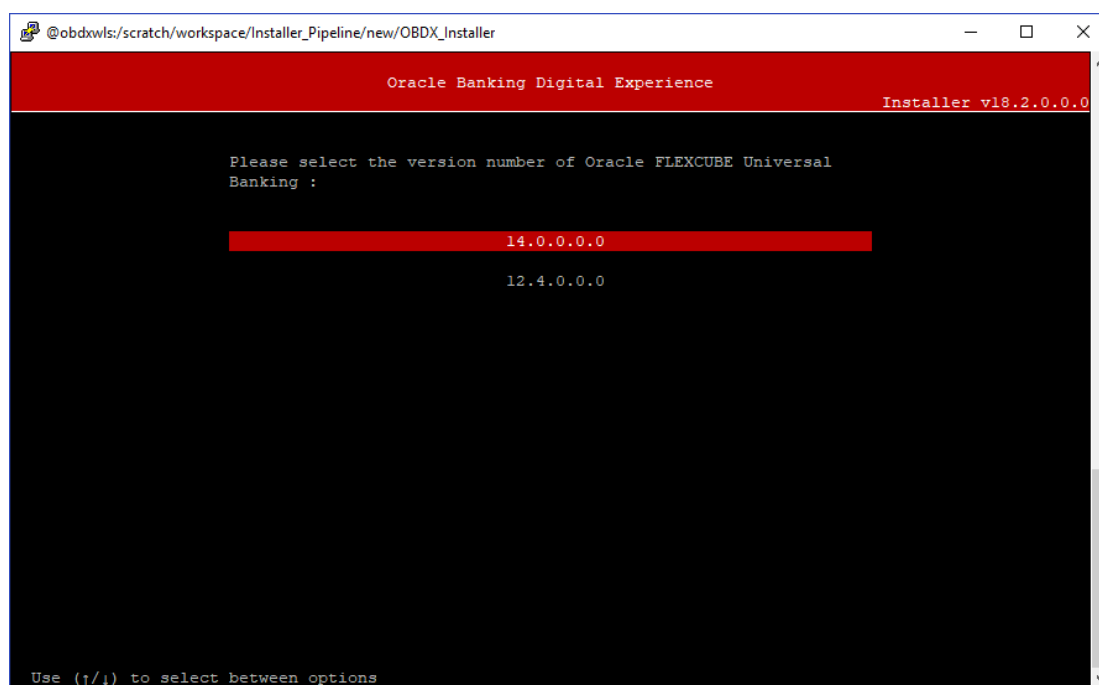
Post selection of installation type.

Select the appropriate host system for Installation

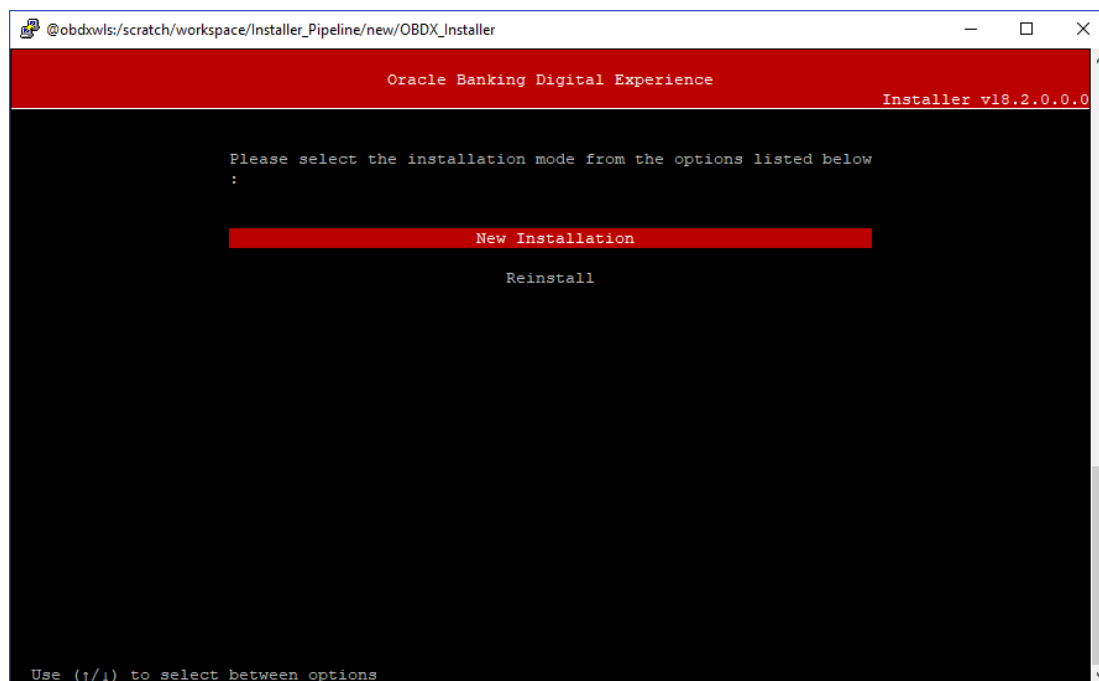


Oracle FLEXCUBE Universal Banking (OBDX with UBS)

Select the version of UBS HOST system from available options



Post UBS HOST version selection, Select Installation mode



Mode of Installation - New Installation

- New installation

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

Below screens would appear to taken end-user input



Enter below passwords:

- SYS privilege user password where OBDX schema would be created
- OBDX schema password
- OBDX STB schema password
- Weblogic console administrator user password
- SYS privilege user password where UBS host schema exists
- Existing UBS HOST schema password
- New OBDX EHMS schema password
- Password for OBDX 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 Banking Platform (OBDX with OBP)

No additional input required. Screen is same as available in Third Party System.

Oracle Financial Services Lending and Leasing (OBDX with OFSLL)

No additional input required. Screen is same as available in Third Party System.

Third Party System (OBDX with THP)

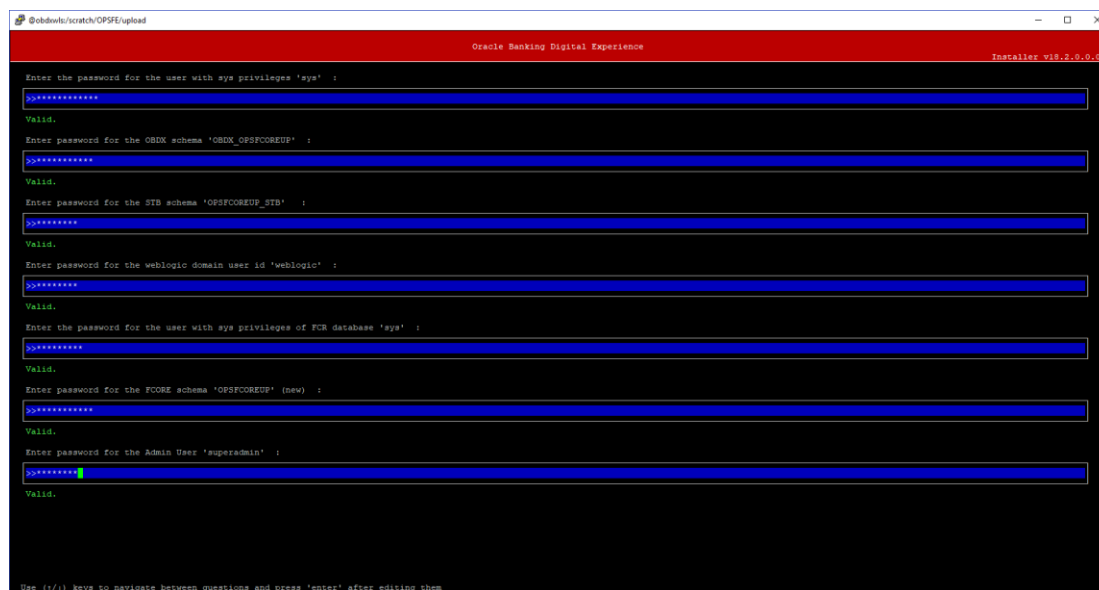
Post Third Party System selection, enter the required credentials details

**Enter below passwords:**

- SYS privilege user password where OBDX schema would be created
- OBDX schema password
- OBDX STB schema password
- Weblogic console administrator user password
- OBDX application admin user password (In-case of OUD as provider, password should be similar to one used while user creation in OUD (or User Password field))

Oracle FLEXCUBE Core Banking (OBDX with FCORE)

Post Oracle FLEXCUBE Core Banking, enter the required credentials details

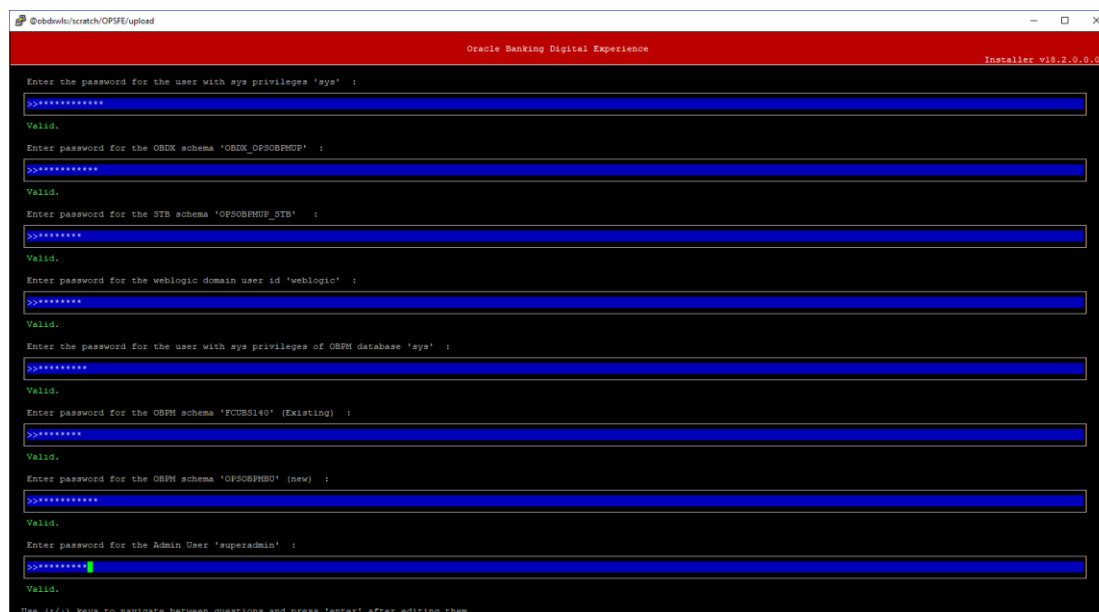


Enter below passwords:

- SYS privilege user password where OBDX schema would be created
- OBDX schema password
- OBDX STB schema password
- Weblogic console administrator user password
- SYS privilege user password where FCORE host schema exists
- New OBDX EHMS schema password
- Password for OBDX 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 (OBDX with OBPM)

Post Oracle FLEXCUBE Universal Banking with Oracle Banking Payments, enter the required credentials details



Enter below passwords:

- SYS privilege user password where OBDX schema would be created
- OBDX schema password
- OBDX STB schema password
- Weblogic console administrator user password
- SYS privilege user password where OBPM host schema exists
- Existing OBPM HOST schema password
- New OBDX EHMS schema password
- Password for OBDX 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

In-case of an existing OBDX 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 OBDX database schema (and OBDX EHMS schema in-case of OBDX UBS;OBPM and FCORE flavor) and RCU schema.

Key pointers

- OBDX schema (and OBDX EHMS schema in-case of OBDX 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.

```
(Developer) upload$ python runinstaller.py
>>> STARTING BASE INSTALLATION <<<<

Starting base Installation with UBS host
Creating Tablespace...
Tablespace Created
Creating User...
User Created
Creating Roles...
Roles Created
Creating Grants...
Execution of cliip_master_script.sql started
Execution of cliip_master_script.sql completed
Execution of cliip_constraints.sql started
Execution of cliip_constraints.sql completed
Execution of cliip_seeds_executable.sql started
Execution of cliip_seeds_executable.sql completed
SUCCESSFULLY installed OBDX database
Starting UBS Database Installation...
Creating Tablespace...
Tablespace Created
Creating User...
User Created
Creating Roles...
Roles Created
Execution of table-scripts.sql started
Execution of table-scripts.sql completed
Execution of uba_object_scripts.sql started
Execution of uba_object_scripts.sql completed
Execution of execute-seeds.sql started
Execution of execute-seeds.sql completed
SUCCESSFULLY installed UBS database
Database version updated
Database version updated
UBS flavor
Policy seeding successful

Creating STB Schema ...
Running RCU
Schema creation in progress ...
UBS Schema Creation Successful.
See logfile ./app/obdx_stb_rcu_1600

Calling WLST
Initializing WebLogic Scripting Tool (WLST) ...
```

When the installation completes, the below message is displayed

```
Jul 4, 2018 4:15:15 AM UTC <Info> <J2EE Deployment SPI> <BEA-260121> <Initiating deploy operation for application, AuditHUBEAR [archive: /scratch/OPSFE/upload/installables/app/components/obdx/deploy/AuditHUBEAR.ear], to obdx_cluster .>
Jul 4, 2018 4:15:15 AM UTC <Info> <J2EE Deployment SPI> <BEA-260121> <Initiating deploy operation for application, com.ofss.diga.app.connector [archive: /scratch/OPSFE/upload/installables/app/components/obdx/com.ofss.diga.app.connector.ear], to obdx_cluster .>
Jul 4, 2018 4:15:15 AM UTC <Info> <J2EE Deployment SPI> <BEA-260121> <Initiating deploy operation for application, obdx.app.mdm.report [archive: /scratch/OPSFE/upload/installables/app/components/obdx/deploy/obdx.app.mdm.report.ear], to obdx_cluster .>
Jul 4, 2018 4:15:16 AM UTC <Info> <J2EE Deployment SPI> <BEA-260121> <Initiating deploy operation for application, obdx.app.timer [archive: /scratch/OPSFE/upload/installables/app/components/obdx/deploy/obdx.app.timer.ear], to obdx_cluster .>
Jul 4, 2018 4:15:17 AM UTC <Info> <J2EE Deployment SPI> <BEA-260121> <Initiating deploy operation for application, obdx.app.soap [archive: /scratch/OPSFE/upload/installables/app/components/ubs/deploy/obdx.app.soap.ear], to obdx_cluster .>
Applications deployed successfully
Starting Admin Server.
Admin server started.
WebLogic Configuration completed successfully.
Jul 4, 2018 4:16:37 AM UTC <Warning> <JNDI> <BEA-050001> <WLContext.close() was called in a different thread than the one in which it was created.>
Successfully configured jps-config.xml.
Successfully configured weblogic.
(Developer) upload$
```

[Home](#)

5. Installation using Silent Mode

This chapter describes how to run the OBDX 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 "<OBDX 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=welcome1
OBDX_Installer]$ export DomainPassword=welcome1
OBDX_Installer]$ export EHMS_DATABASE_SYS_PASS=devopshst
OBDX_Installer]$ export EHMS_HOST_SCHEMA_NAME_PASS=FC140UBS
OBDX_Installer]$ export EHMS_SCHEMA_PASS=welcome1
```

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

Host	Parameter	Description	Example
Environment variables to set for flavor: FCORE UBS (14.0.0.0.0 and 12.4.0.0.0 release) OBPM	FLAVOUR	Flavour for installation UBS for Oracle FLEXCUBE Universal Banking 14.0.0.0.0 (OBDX with UBS) UBS124 for Oracle FLEXCUBE Universal Banking 12.4.0.0.0 (OBDX with UBS) OBPM for Oracle FLEXCUBE Universal Banking with Oracle Banking Payments 14.0.0.0.0 (OBDX with OBPM) FCORE for Oracle FLEXCUBE Core Banking 11.7.0.0.0 (OBDX with FCORE)	export FLAVOUR=UBS or export FLAVOUR=UBS124 or export FLAVOUR=OBPM or export FLAVOUR=FCORE
	MODE	Mode of installation. 'New' in-case of a fresh installation of OBDX for the first run on server 'Clean' in-case of an existing OBDX installation that you want to overwrite OR in case of a previously failed installation or re-	export MODE=New or export MODE=Clean

		installation	
DB_SYS_PASSWORD	Sys user password of OBDX database (Existing)	export DB_SYS_PASSWORD=obdx182sys	
SCHEMA_PASS	Password for new schema on OBDX database	export SCHEMA_PASS=obdx#182	
STBPassword	Password for RCU STB schema	export STBPassword=obdx182#stb	
DomainPassword	Password for Weblogic Administrator console	export DomainPassword=wlsadm	
EHMS_DATABASE_SY S_PASS	Sys user password of EHMS HOST database (Existing)	export EHMS_DATABASE_SYS_PASS =obdxehmssys	
EHMS_HOST_SCHEM A_NAME_PASS ** Only required for UBS & OBPM Host. Ignore this parameter in-case of FCORE Host	Password of existing EHMS HOST schema (Existing)	export EHMS_HOST_SCHEMA_NAME _PASS =obdxehms	
EHMS_SCHEMA_PASS	Password for new OBDX EHMS schema on EHMS HOST database	export EHMS_SCHEMA_PASS=obdx182ehms	
DBAuthPassword	Password for new OBDX Administrator user of OBDX application (In-case of OUD as provider, password should be similar to one used while user creation in OUD(or User Password field))	export DBAuthPassword=obdxadm	

Environment variables to set for flavor: OBDX (Third-party HOST) OFSLL OBP	FLAVOUR	Flavour for installation 'OBP' for Oracle Banking Platform 2.5.0.2.0 (OBDX with OBP) 'THP' for Third Party System 1.0 (OBDX with THP) 'FLL' for Oracle Financial Services Lending and Leasing 14.4.0.0.0 (OBDX with OFSLL)	export FLAVOUR=OBP or export FLAVOUR=THP or export FLAVOUR=FLL
	Mode	Mode of installation. 'New' in-case of a fresh installation of OBDX for the first run on server 'Clean' in-case of an existing OBDX 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 OBDX database (Existing)	export DB_SYS_PASSWORD=obdx182sys
	SCHEMA_PASS	Password for new schema on OBDX database	export SCHEMA_PASS=obdx#182
	STBPassword	Password for RCU STB schema	export STBPassword=obdx#stb
	DomainPassword	Password for Weblogic Administrator	export DomainPassword=wlsadmin

		console	
	DBAuthPassword	Password for new OBDX Administrator user of OBDX application (In-case of OUD as provider, password should similar to one used while user creation in OUD(or User Password field))	export DBAuthPassword=obdxadm

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.

```

Starting Base Installation with UBS Host
Creating Tablespace...
Tablespace Created
Creating User...
User Created
Creating Roles...
Role created
Creating Grants...
Execution of clip_master_script.sql started
Execution of clip_master_script.sql completed
Execution of clip_constraints.sql started
Execution of clip_constraints.sql completed
Execution of clip_seeds_executable.sql started
Execution of clip_seeds_executable.sql completed
SUCCESSFULLY installed OBDX database
Starting UBS database installation
Starting UBS Database Installation...
Creating Tablespace...
Tablespace Created
Creating User...
User Created
Creating Roles...
Roles Created
Executing table-scripts.sql...
Execution of table-scripts.sql completed
Executing ubs object scripts.sql...
Execution of ubs_object_scripts.sql completed
Executing execute-seeds.sql...
Execution of execute-seeds.sql completed
SUCCESSFULLY installed UBS database
OS :linux
Policy seeding successful
connection to Database successful.

Creating STB Schema ...
Running RCU
Schema creation in progress ...

```

When the installation completes, the below message is displayed

```

Jul 4, 2018 6:35:11 AM UTC <Info> <J2EE Deployment SPI> <BEA-260121> <Initiating deploy operation for application, AdminMDEAR [archive: /scratch/OPSFE/upload/installables/app/components/obdx/deploy/AdminMDEAR.ear], to obdx_cluster.>
Jul 4, 2018 6:35:15 AM UTC <Info> <J2EE Deployment SPI> <BEA-260121> <Initiating deploy operation for application, com.ofas.diga.app.connector [archive: /scratch/OPSFE/upload/installables/app/components/obdx/deploy/com.ofas.diga.app.connector.ear], to obdx_cluster.>
Jul 4, 2018 6:35:15 AM UTC <Info> <J2EE Deployment SPI> <BEA-260121> <Initiating deploy operation for application, obdx.app.mdb.report [archive: /scratch/OPSFE/upload/installables/app/components/obdx/deploy/obdx.app.mdb.report.ear], to obdx_cluster.>
Jul 4, 2018 6:35:16 AM UTC <Info> <J2EE Deployment SPI> <BEA-260121> <Initiating deploy operation for application, obdx.app.timer [archive: /scratch/OPSFE/upload/installables/app/components/obdx/deploy/obdx.app.timer.ear], to obdx_cluster.>
Jul 4, 2018 6:35:17 AM UTC <Info> <J2EE Deployment SPI> <BEA-260121> <Initiating deploy operation for application, obdx.app.esop [archive: /scratch/OPSFE/upload/installables/app/components/ubs/deploy/obdx.app.esop.ear], to obdx_cluster.>
Applications deployed successfully
Starting Admin Server.
Admin server started.
Weblogic Configuration completed successfully.
Jul 4, 2018 6:36:37 AM UTC <Warning> <JNDI> <BEA-050001> <WLContext.close() was called in a different thread than the one in which it was created.>
Successfully configured jps-config.xml.
Successfully configured weblogic.
[Server] [Server]

```

[Home](#)

6. Installer Verification

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

Log Description	PATH
Summarized Installer Activity Log	<OBDX INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/obdx_installer.log
Summarized Database Logs	<OBDX INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/db/DB_installation.log
Detailed OBDX DB Logs per SQL file	<OBDX INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/db/OBDX/*
Detailed EHMS schema Logs per SQL file (specific to EHMS host system only)	<OBDX INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/db/<EHMSHOST>/* <EHMSHOST> - values such as OBP; FLL; FCORE; OBPM; UBS; UBS124
RCU Logs	<OBDX INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/app/obdx_stb_rcu_1600.log
Weblogic Configuration Logs	<OBDX INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/app/obdx_wls_post.log
Detailed OBDX policy seeding logs	<OBDX INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/db/Entitlement.log <OBDX INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/db/Task.log Note: Check for SEVERE keyword; If found refer to Troubleshoot section to re-run the policy
Policy seeding execution Log	<OBDX INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/db/seedPolicies.log Note: Should be empty if no errors during policy execution. In-case non-empty refer to Troubleshoot section to re-run the policy

Check all the logs for any errors.

[Home](#)

7. Installer Scope

7.1 Flavour with FCR, OBP and OBPM is missing.

OBDX Installer currently covers below activities:

Flavor: Third Party system (OBDX with THP)

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

Flavor: Oracle FLEXCUBE Universal Banking ((OBDX with UBS)

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
OBDX with UBS (14.0.0.0.0 and 12.4.0.0.0 both version)	OBDX DB Setup	Create Tablespace	√	NA
		Create Schema and Role	√	√ (drop and re-create objects)
		Grants	√	√
		Load DB object (DDL's and DML's)	√	√
		Execute UBS HOST specific scripts	√	√
		Compile Schema	√	√
	EHMS DB Setup	Create Tablespace	√	NA
		Create Schema and Role	√	√ (drop and re-create objects)
		Grants	√	√
		Load DB object (DDL's and DML's)	√	√
		Compile Schema	√	√
	Weblogic Setup and Configuration	RCU schema and Create Domain	√	√ (drop and re-create RCU schema's)
		Create and Configure AdminServer, Machine, Managed Server and Cluster	√	√
		Configure NodeManager	√	√
		Configure JDBC	√	√
		Configure DB Authenticator, JMS servers, Persistent stores and JMS Modules	√	√
		Application Deployment	√	√

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		JTA	√	√
		Enable Production Mode	√	√
		Start AdminServer and NodeManager	√	√
	OBDX Configuration	Copy config files into OBDX Installation Home	√	√ (Delete old and copy new from installer zip)

Flavor: Oracle Banking Platform (OBDX with OBP)

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
OBDX with OBP	OBDX DB Setup	Create Tablespace	√	NA
		Create Schema and Role	√	√ (drop and re-create objects)
		Grants	√	√
		Load DB object (DDL's and DML's)	√	√
		Compile Schema	√	√
	Weblogic Setup and Configuration	RCU schema and Create Domain	√	√ (drop and re-create RCU schema's)
		Create and Configure AdminServer, Machine, Managed Server and Cluster	√	√
		Configure NodeManager	√	√
		Configure JDBC	√	√
		Configure DB Authenticator, JMS servers, Persistent stores and JMS Modules	√	√
		Application Deployment	√	√
		JTA	√	√
		Enable Production Mode	√	√

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		Start AdminServer and NodeManager	√	√
	OBDX Configuration	Copy config files into OBDX Installation Home	√	√ (Delete old and copy new from installer zip)

Flavor: Oracle Financial Services Lending and Leasing (OBDX with OFSLL)

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
OBDX with OFSLL	OBDX DB Setup	Create Tablespace	√	NA
		Create Schema and Role	√	√ (drop and re-create objects)
		Grants	√	√
		Load DB object (DDL's and DML's)	√	√
		Execute OFSLL HOST specific scripts	√	√
		Compile Schema	√	√
	Weblogic Setup and Configuration	RCU Schema and Create Domain	√	√ (drop and re-create RCU schema's)
		Create and Configure AdminServer, Machine, Managed Server and Cluster	√	√
		Configure NodeManager	√	√
		Configure JDBC	√	√
		Configure DB Authenticator, JMS servers, Persistent stores and JMS Modules	√	√
		Application Deployment	√	√
		JTA	√	√
		Enable Production Mode	√	√
		Start AdminServer and NodeManager	√	√

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
	OBDX Configuration	Copy config files into OBDX Installation Home	√	√ (Delete old and copy new from installer zip)

Flavor: Oracle FLEXCUBE Core Banking (OBDX with FCORE)

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
OBDX with FCORE	OBDX DB Setup	Create Tablespace	√	NA
		Create Schema and Role	√	√ (drop and re-create objects)
		Grants	√	√
		Load DB object (DDL's and DML's)	√	√
		Compile Schema	√	√
	EHMS DB Setup	Create Tablespace	√	NA
		Create Schema and Role	√	√ (drop and re-create objects)
		Grants	√	√
		Load DB object (DDL's and DML's)	√	√
		Compile Schema	√	√
	Weblogic Setup and Configuration	RCU schema and Create Domain	√	√ (drop and re-create RCU schema's)
		Create and Configure AdminServer, Machine, Managed Server and Cluster	√	√
		Configure NodeManager	√	√
		Configure JDBC	√	√
		Configure DB	√	√

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		Authenticator, JMS servers, Persistent stores and JMS Modules		
		Application Deployment	√	√
		JTA	√	√
		Enable Production Mode	√	√
		Start AdminServer and NodeManager	√	√
	OBDX Configuration	Copy config files into OBDX Installation Home	√	√ (Delete old and copy new from installer zip)

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

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
OBDX with OBPM	OBDX DB Setup	Create Tablespace	√	NA
		Create Schema and Role	√	√ (drop and re-create objects)
		Grants	√	√
		Load DB object (DDL's and DML's)	√	√
		Execute OBPM HOST specific scripts	√	√
		Compile Schema	√	√
	EHMS DB Setup	Create Tablespace	√	NA
		Create Schema and Role	√	√ (drop and re-create objects)
		Grants	√	√
		Load DB object (DDL's and DML's)	√	√
		Compile Schema	√	√

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

[Home](#)

8. Configuring the Connector Credential Store

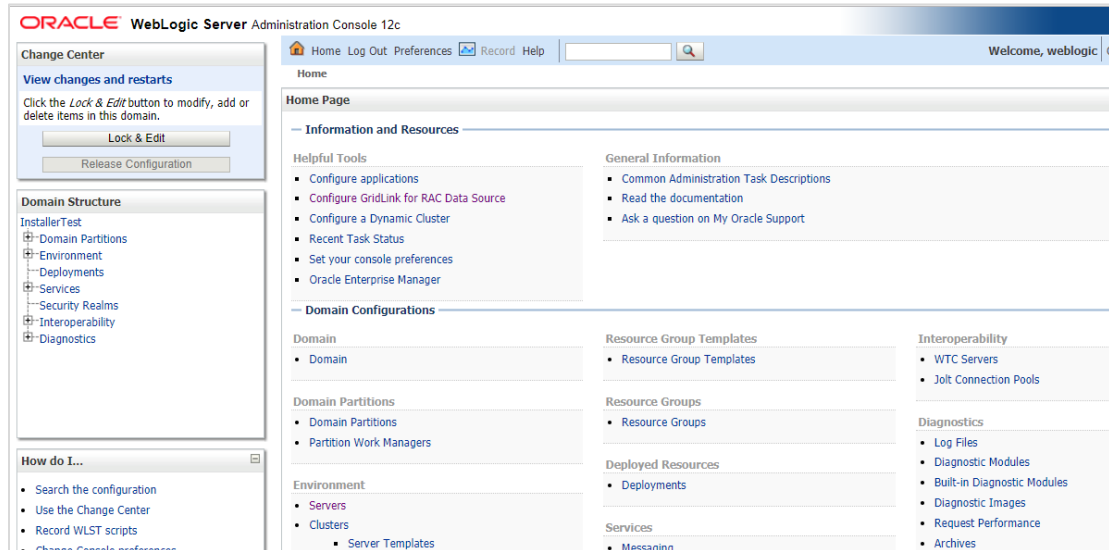
This step is required to setup the encryption key required for encryption of certain sensitive data within the OBDX application.

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

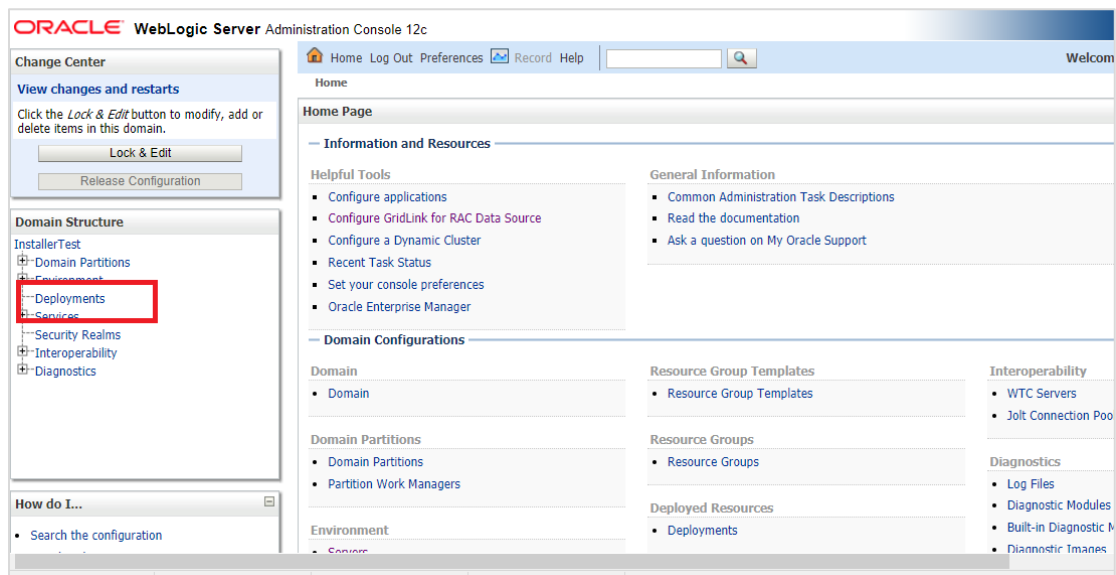
9. Post Installation Steps

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

Login Weblogic Admin console.



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



In the table, locate the **oracle.wsm.idmrest.sharedlib(1.0.12.2.1.3)** library to re-target and click on its name.

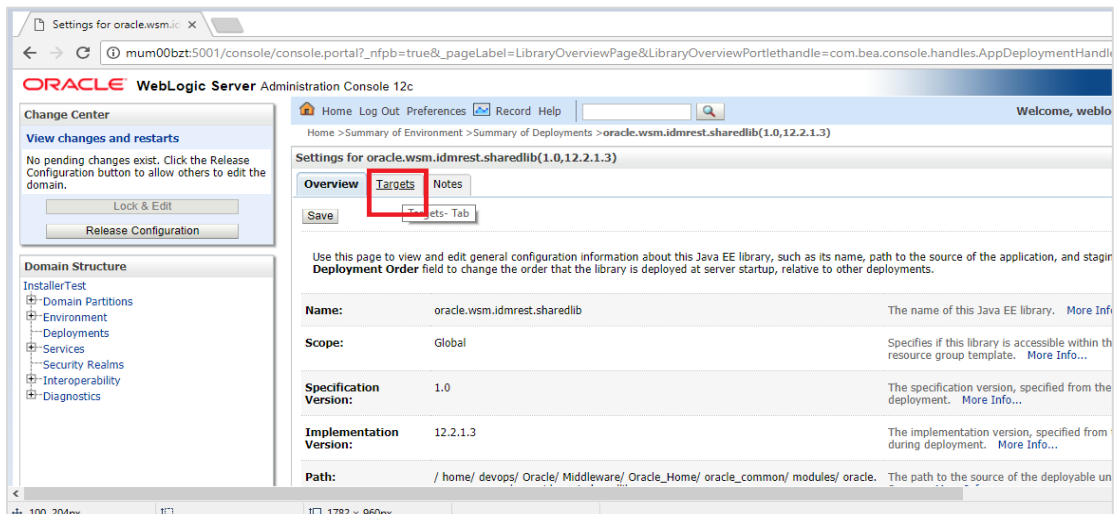
<input type="checkbox"/>	oracle.bi.bips(11.1.1.0.1)	Active		Library	AdminServer	Global		100
<input type="checkbox"/>	oracle.dconfig-infra(2.0,12.2.1)	Active		Library	AdminServer	Global		100
<input type="checkbox"/>	oracle.jrf.system.filter	Active		Library	AdminServer	Global		100
<input type="checkbox"/>	oracle.jsp.next(12.2.1,12.2.1)	Active		Library	AdminServer	Global		100
<input type="checkbox"/>	oracle.pwdgen(2.0,12.2.1)	Active		Library	AdminServer	Global		100
<input type="checkbox"/>	oracle.sdp.client(2.0,12.2.1.3.0)	Active		Library	AdminServer	Global		100
<input type="checkbox"/>	oracle.sdp.messaging(2.0,12.2.1.3.0)	Active		Library	AdminServer	Global		100
<input type="checkbox"/>	oracle.webcenter.composer(2.0,12.2.1)	Active		Library	AdminServer	Global		300
<input type="checkbox"/>	oracle.webcenter.skin(2.0,12.2.1)	Active		Library	AdminServer	Global		300
<input type="checkbox"/>	oracle.wsm.console.core.view(1.0,12.2.1.3)	Active		Library	AdminServer	Global		311
<input type="checkbox"/>	oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3)	Active		Library	AdminServer	Global		100
<input type="checkbox"/>	oracle.wsm.seedpolicies(2.0,12.2.1.3)	Active		Library	AdminServer	Global		100
<input type="checkbox"/>	orai18n-adt(11,11.1.1.0)	Active		Library	AdminServer	Global		100
<input type="checkbox"/>	owasp.esap(2.0,12.2.1)	Active		Library	AdminServer	Global		100
<input type="checkbox"/>	state-management-provider-memory-rar	Active	OK	Resource Adapter	AdminServer	Global		100
<input type="checkbox"/>	UIX(11,12.2.1.3.0)	Active		Library	AdminServer	Global		100
<input type="checkbox"/>	wsm-pm	New		Enterprise Application	obdx_cluster	Global		5

Click on **Lock & Edit**

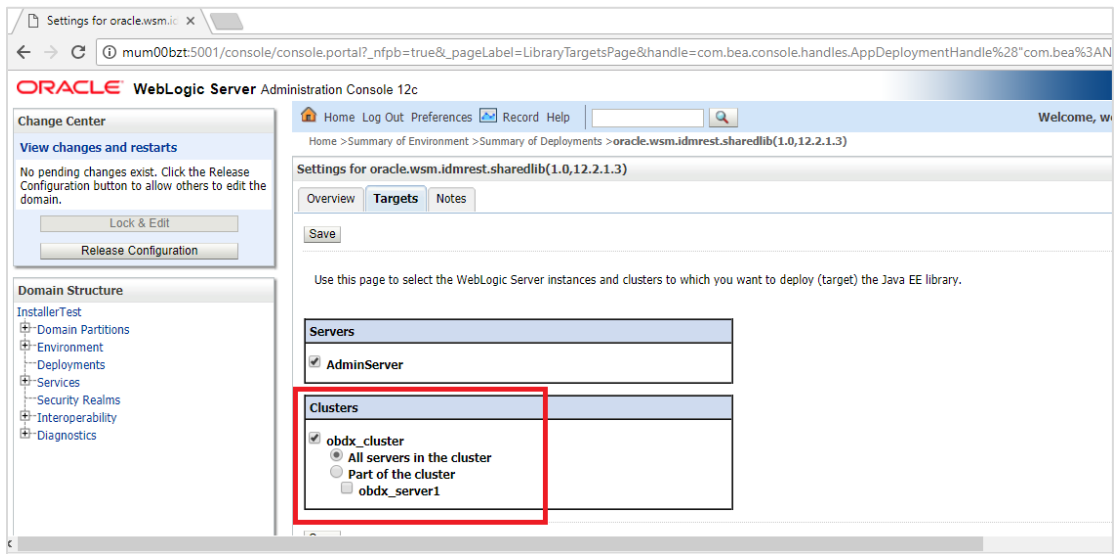
The screenshot shows the Oracle WebLogic Server Administration Console. The left-hand 'Change Center' panel has a 'Lock & Edit' button highlighted with a red rectangle. The main content area shows the 'Settings for oracle.wsm.idmrest.sharedlib(1.0,12.2.1.3)' page. The 'Overview' tab is selected, displaying configuration details for the Java EE library.

Property	Value	Description
Name	oracle.wsm.idmrest.sharedlib	The name of this Java EE library. More Info...
Scope	Global	Specifies if this library is accessible within the domain resource group template. More Info...
Specification Version	1.0	The specification version, specified from the manifest deployment. More Info...
Implementation Version	12.2.1.3	The implementation version, specified from the manifest during deployment. More Info...

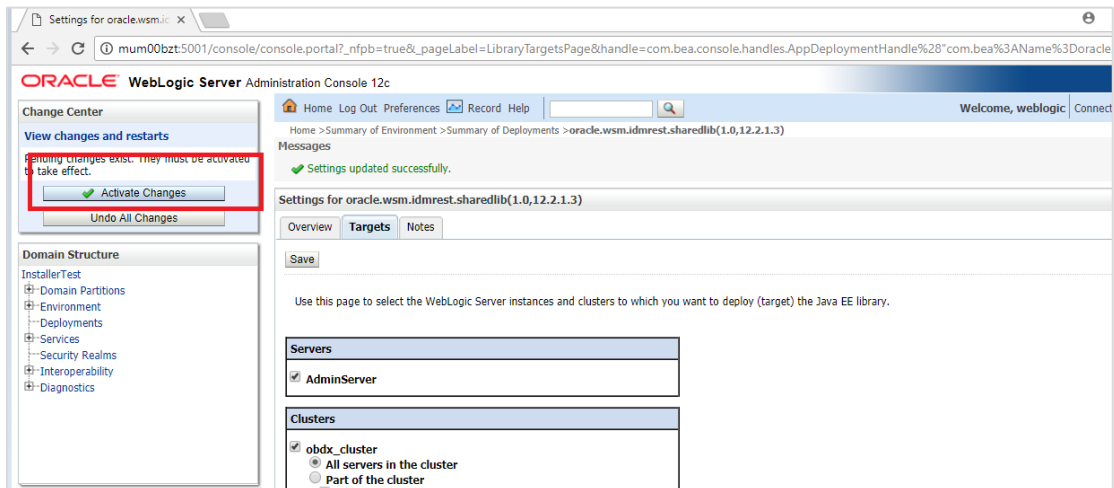
Click on **Targets** Tab



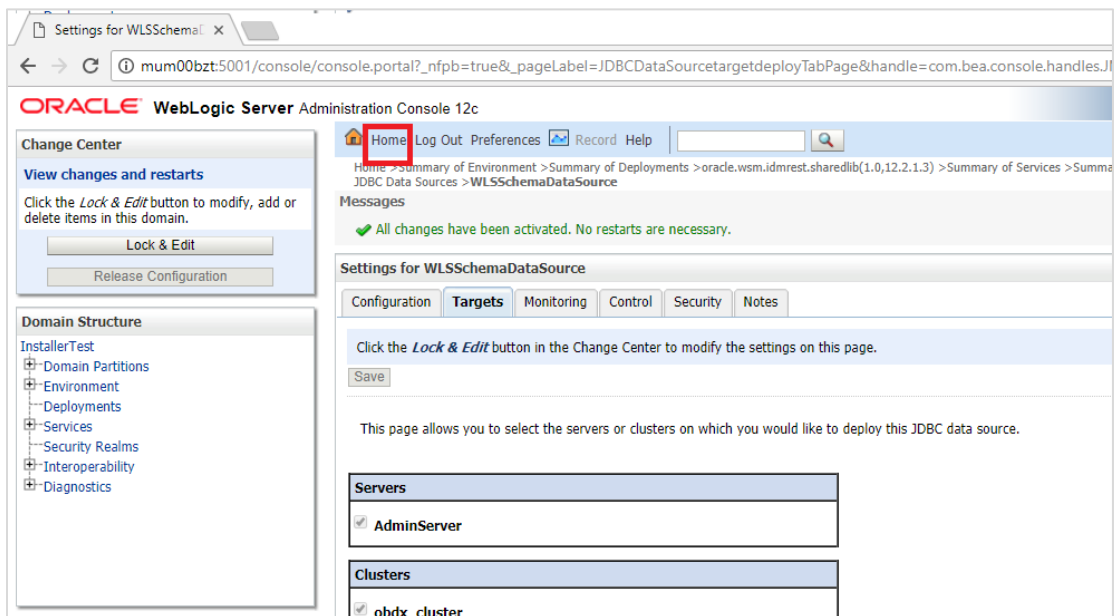
In the Servers box, select **Cluster** if it is not already selected and click **Save**.



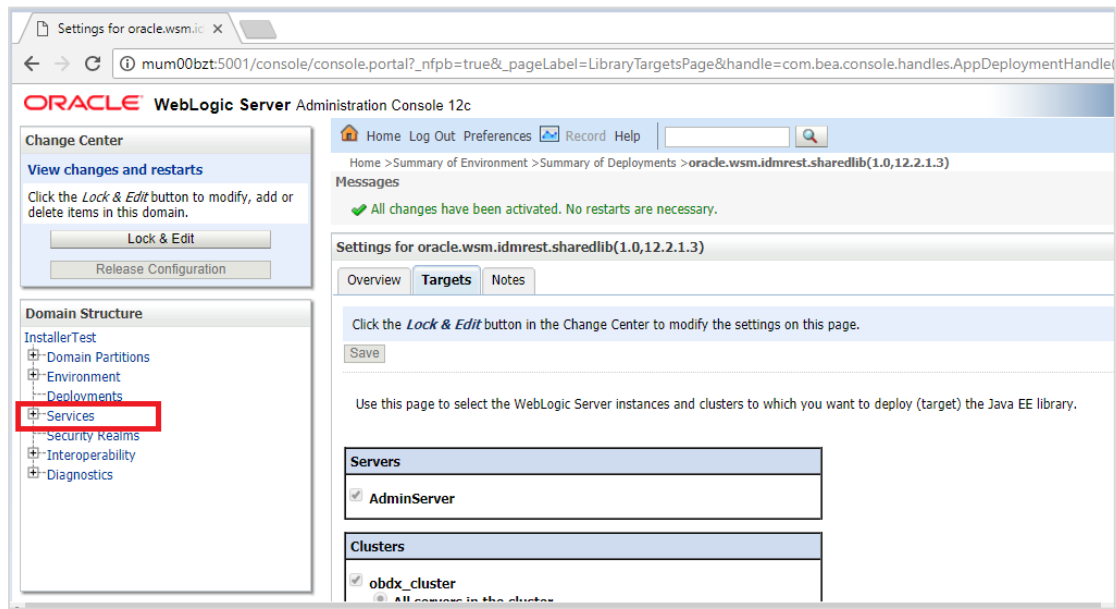
Click on **Activate Changes**.



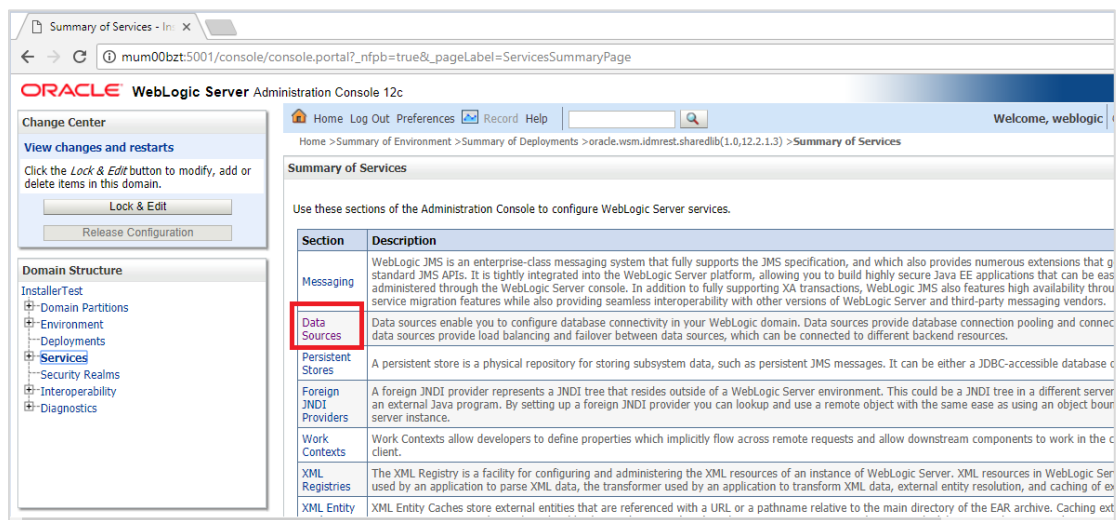
Click on **Home** Tab



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



Click on **Data Sources**



Locate **WLSSchemaDataSource** to change target ,click on its name

Data Sources (Filtered - More Columns Exist)

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

Showing 1 to 9 of 9 Previous

Name	Type	JNDI Name	Targets
BATCH	Generic	BATCH	obdx_cluster
DIGX	Generic	DIGX	obdx_cluster
LocalSvcTblDataSource	Generic	jdbc/LocalSvcTblDataSource	AdminServer
mds-owsm	Generic	jdbc/mds/owsm	AdminServer, obdx_cluster
NONXA	Generic	NONXA	obdx_cluster
opss-audit-DBDS	Generic	jdbc/AuditAppendDataSource	AdminServer, obdx_cluster
opss-audit-viewDS	Generic	jdbc/AuditViewDataSource	AdminServer, obdx_cluster
opss-data-source	Generic	jdbc/OpssDataSource	AdminServer, obdx_cluster
WLSSchemaDataSource	Generic	jdbc/WLSSchemaDataSource	

New Delete Showing 1 to 9 of 9 Previous

Click on **Targets** Tab

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Home > Summary of Environment > Summary of Deployments > oracle.wsm.idmrest.sharedlib(1.0.12.2.1.3) > Summary of Services > Summary of JDBC D

Settings for WLSSchemaDataSource

Configuration **Targets** Monitoring Control Security Notes

General Connection **Targets-Tab** ONS Transaction Diagnostics Identity Options

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

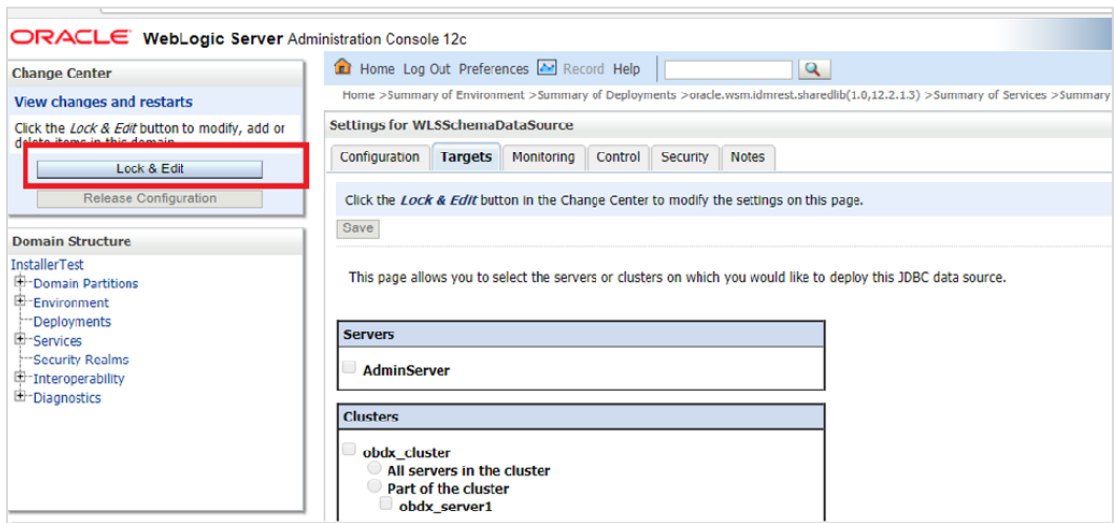
Save

Applications get a database connection from a data source by looking up the data source on the Java Naming and Directory Interface (JNDI) data source provides the connection to the application from its pool of database connections.

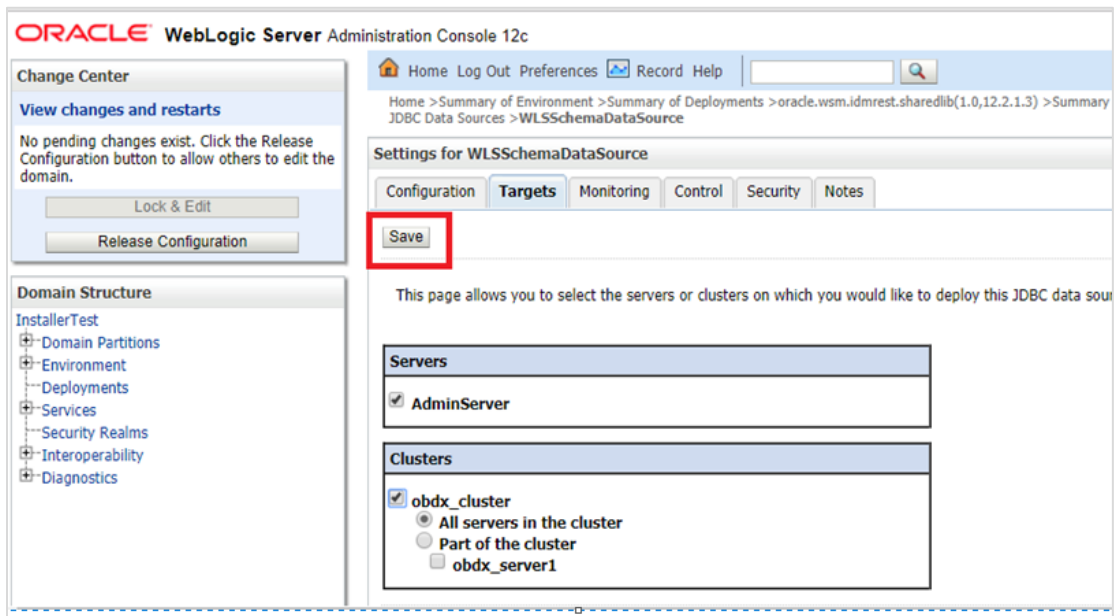
This page enables you to define general configuration options for this JDBC data source.

Name:	WLSSchemaDataSource	A unique name that identifies the data source within the domain. More Info...
Datasource Type:	GENERIC	The data source type. Valid values are: Generic, Thin, OCI, and XA.
Scope:	Global	The scope in which the data source is registered.

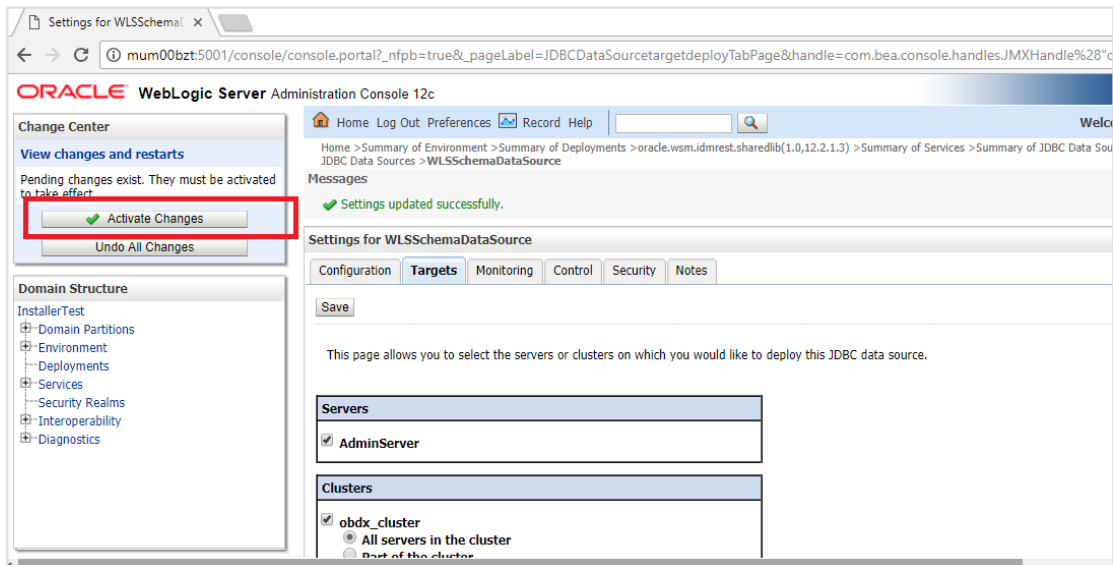
Click on **Lock & Edit**



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

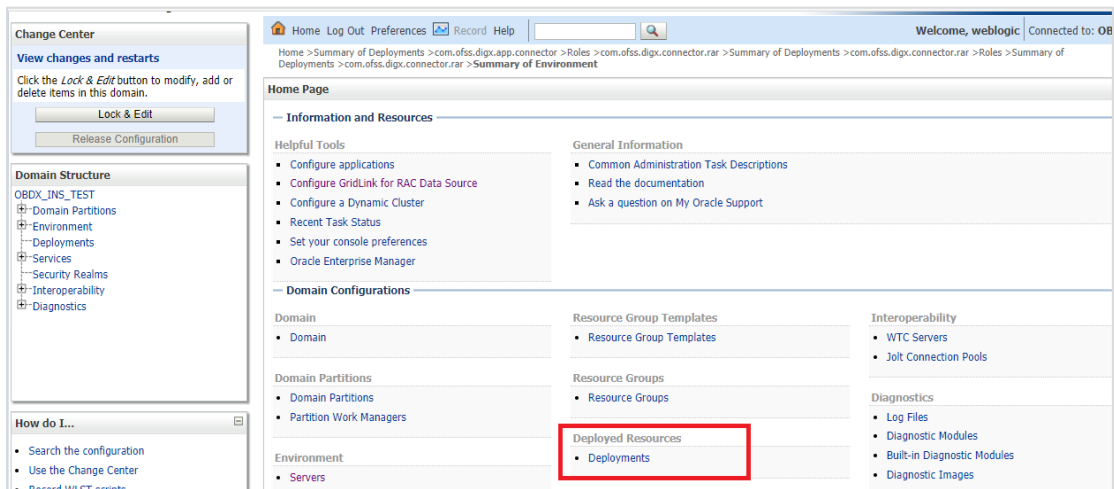


Click on **Activate Changes**



Outbound credential mappings

Login Weblogic Admin Console. Click on Deployments.



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

Warning (0)	adf.oracle.domain.webapp.batik-bundle(1.0,12.2.1.3.0)	Active	Library	AdminServer	Global	100
OK (2)	adf.oracle.domain.webapp.guava(1.0,12.2.1.3.0)	Active	Library	AdminServer	Global	100
	adf.oracle.domain.webapp.xml-api-ext(1.0,12.2.1.3.0)	Active	Library	AdminServer	Global	100
	AuditMDBEAR	Active	Enterprise Application	InstallerTest	Global	100
	BatchResourceAdapter	Active	Enterprise Application	InstallerTest	Global	100
	coherence-transaction-rar	Active	Resource Adapter	AdminServer	Global	100
	com.ofss.digx.app.connector	Active	Enterprise Application	InstallerTest	Global	100
	Modules					
	com.ofss.digx.connector.rar		Resource Adapter			
	EJBs					
	None to display					
	Web Services					
	None to display					
	DMS Application (12.2.1.1.0)	Active	Web Application	AdminServer	Global	5
	em	Active	Enterprise Application	AdminServer	Global	400
	emagentsdkimplpriv.jar(12.4,12.1.0.4.0)	Active	Library	AdminServer	Global	100

Click on **Security Tab > Outbound Credential Mappings**

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, weblogic Connected

Change Center
View changes and restarts
Click the **Lock & Edit** button to modify, add or delete items in this domain.
Lock & Edit
Release Configuration

Domain Structure
OBDX_INS_TEST
Domain Partitions
Environment
Deployments
Services
Security Realms
Interoperability
Diagnostics

Settings for com.ofss.digx.connector.rar
Overview Configuration **Security** Control Testing Monitoring

This page displays basic information about this resource adapter.

Name: com.ofss.digx.connector.rar The name of this application deployment. [More Info...](#)

Source Path: servers/AdminServer/upload/com.ofss.digx.app.connector/app/com.ofss.digx.app.connector.rar The path to the source of the deployable unit on the Admin Server. [More Info...](#)

Click on **New**

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help Welcome, weblogic Connected to: OBDX_INS

Change Center
View changes and restarts
Click the **Lock & Edit** button to modify, add or delete items in this domain.
Lock & Edit
Release Configuration

Domain Structure
OBDX_INS_TEST
Domain Partitions
Environment
Deployments
Services
Security Realms
Interoperability
Diagnostics

Settings for com.ofss.digx.connector.rar
Overview Configuration **Security** Control Testing Monitoring

Roles Policies **Outbound Credential Mappings** Inbound Principal Mappings Principals

Outbound credential mappings let you map WebLogic Server usernames to usernames in the Enterprise Information System (EIS) to which you want to connect using a resource adapter. You can use default outbound credential mappings for all outbound connection pools in the resource adapter, or specify particular outbound credential mappings for individual connection pools. This page contains the table of outbound credential mappings for this resource adapter.

Customize this table

Outbound Credential Mappings

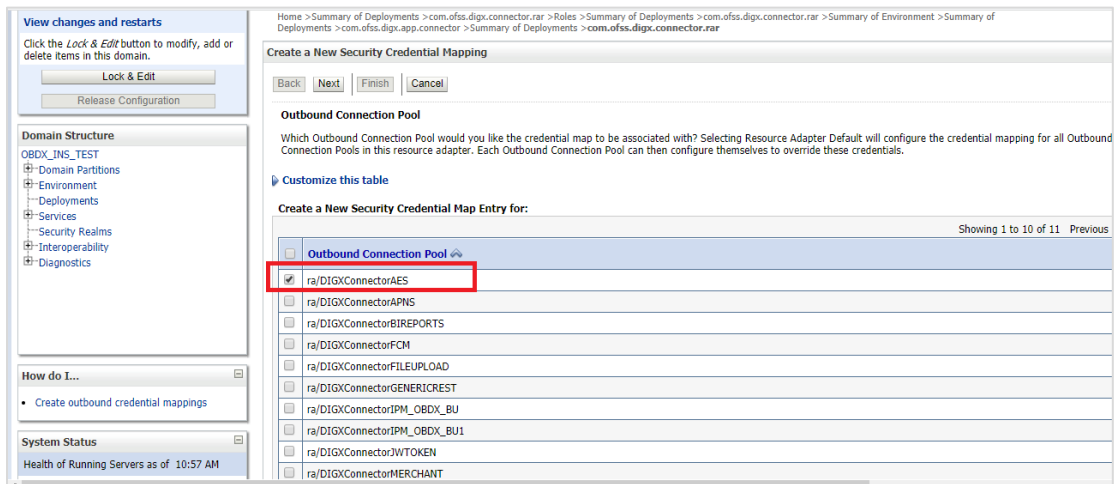
New Delete Showing 0 to 0 of 0 Previous | Next

WLS User	EIS User	Outbound Connection Pool

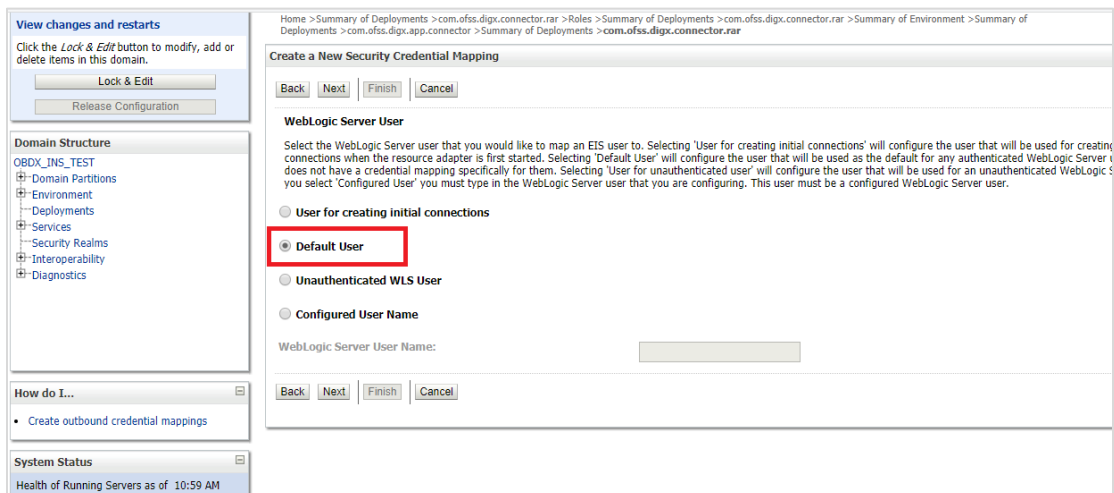
There are no items to display

New Delete Showing 0 to 0 of 0 Previous | Next

Select **ra/DIGXConnectorAES > Next**



Select **“Default User”** > **Next**



Enter **“EIS User Name”** should be set to AES_KEY

Enter **“EIS Password”** . Password should be any 16 characters.

ORACLE WebLogic Server Administration Console 12c

Home > Summary of Deployments > com.ofss.digx.connector.rar > Roles

Create a New Security Credential Mapping

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:

Enter the EIS Password:

* EIS Password:

* Confirm Password::

Back Next Finish Cancel

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:

Enter the EIS Password:

* EIS Password:

* Confirm Password::

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
<input type="checkbox"/>	Default	AES_KEY	ra/DIGX/ConnectorAES

New Delete

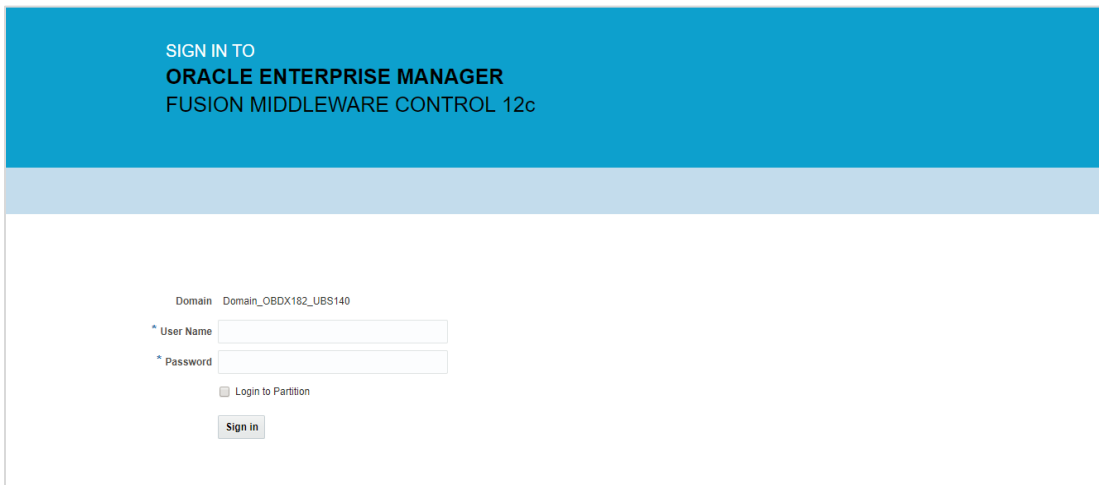
Apply JRF Template

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

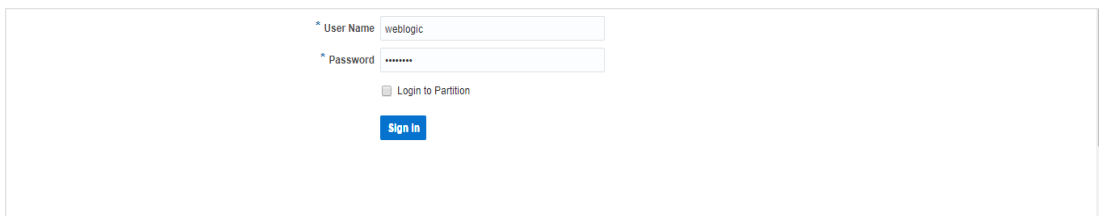
Note: EM console would be available on same hostname and port which was used for Weblogic Admin Console for OBDX domain (created via installer), just replace the “/console” with “/em”.



The screenshot shows the sign-in page for Oracle Enterprise Manager Fusion Middleware Control 12c. The page has a blue header with the text "SIGN IN TO ORACLE ENTERPRISE MANAGER FUSION MIDDLEWARE CONTROL 12c". Below the header, there is a light blue horizontal bar. The main content area is white and contains the following elements:

- Domain: Domain_OBDX182_UBS140
- * User Name:
- * Password:
- ☐ Login to Partition
-

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



This screenshot shows the same sign-in page as the previous one, but with the username field populated with "weblogic". The password field is still empty. The "Sign in" button is now blue.

- * User Name:
- * Password:
- ☐ Login to Partition
-

- Click on Sign In

ORACLE Enterprise Manager Fusion Middleware Control 12c

WebLogic Domain: weblogic

Jul 23, 2017 11:43:52 AM UTC

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
1 Down
1 Up

Clusters
1 Unknown

Deployments
7 Down
1 Up

Administration Server

Name: AdminServer
Host: obdxwls.in.oracle.com
Listen Port: 9001
SSL Listen Port: 9002

Servers

Name	Status	Cluster	Machine	State	Health	Listen Port	CPU Usage (%)	Mem Usage (MB)
AdminServer(admin)	Running			Running	OK	9001	14.99	596.5
OBDX_INS1	Shutdown	InstallerTest	Host1	Shutdown	Unknown	9003	Unavailable	Unavailable

Rows Selected: 1 Columns Hidden: 33 Servers: 2 of 2

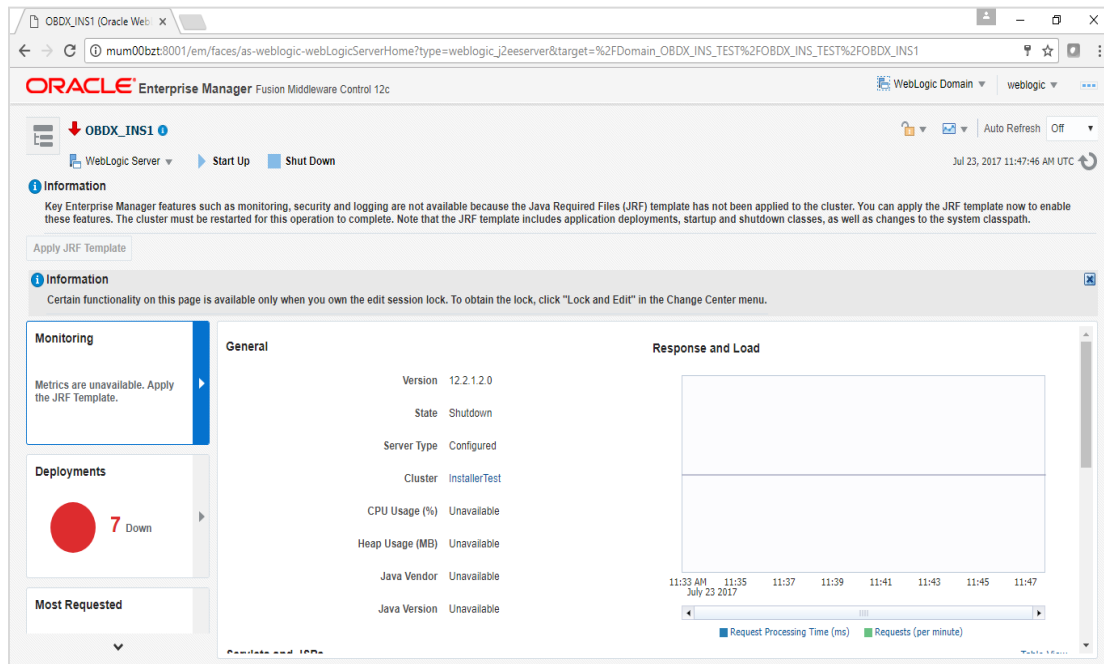
- Click on the Managed Server (as highlighted below)

Servers

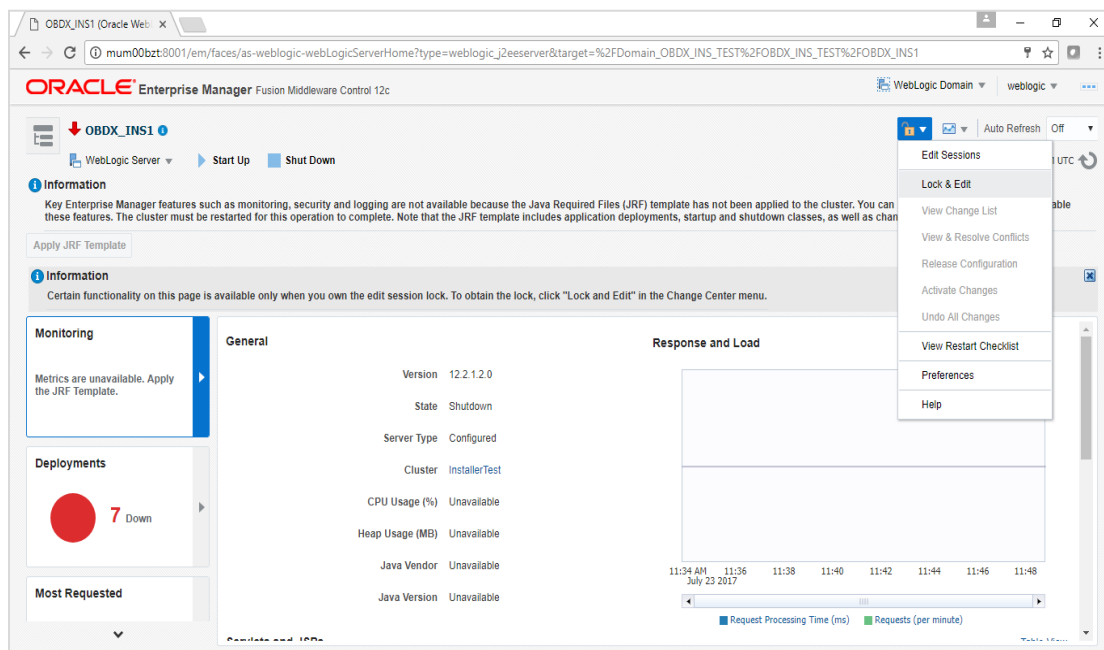
View Create Delete Control

Name	Status	Cluster	Machine	State	Health	Listen Port
AdminServer(admin)	Running			Running	OK	9001
OBDX_INS1	Shutdown	InstallerTest	Host1	Shutdown	Unknown	9003

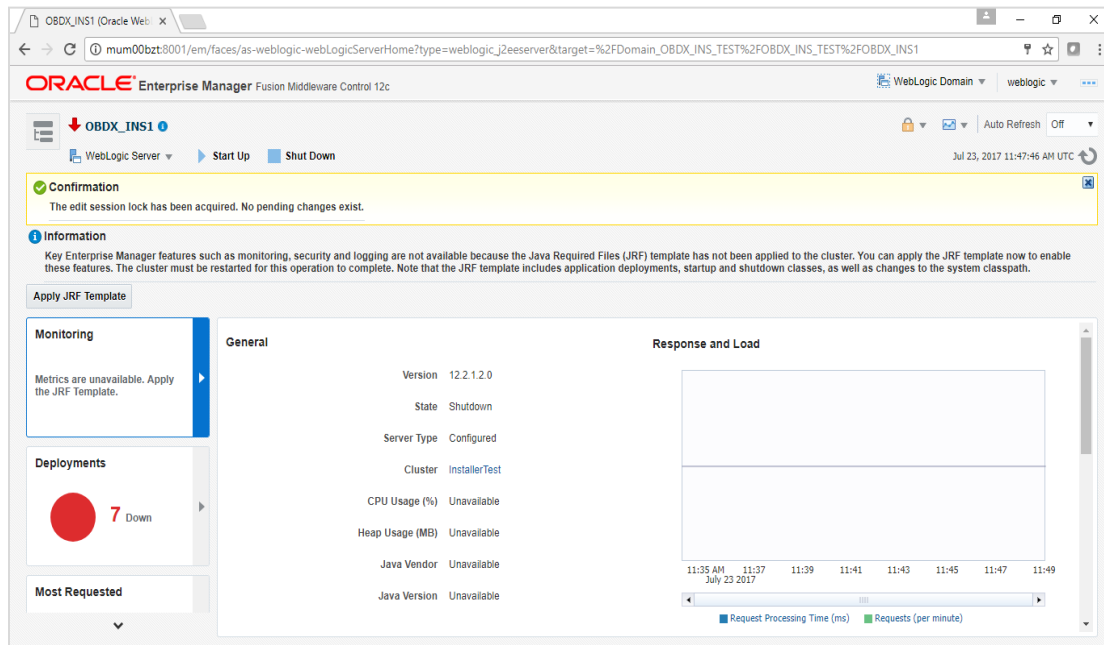
Note: Depending on installer.properties, Managed server will differ from above screenshot.



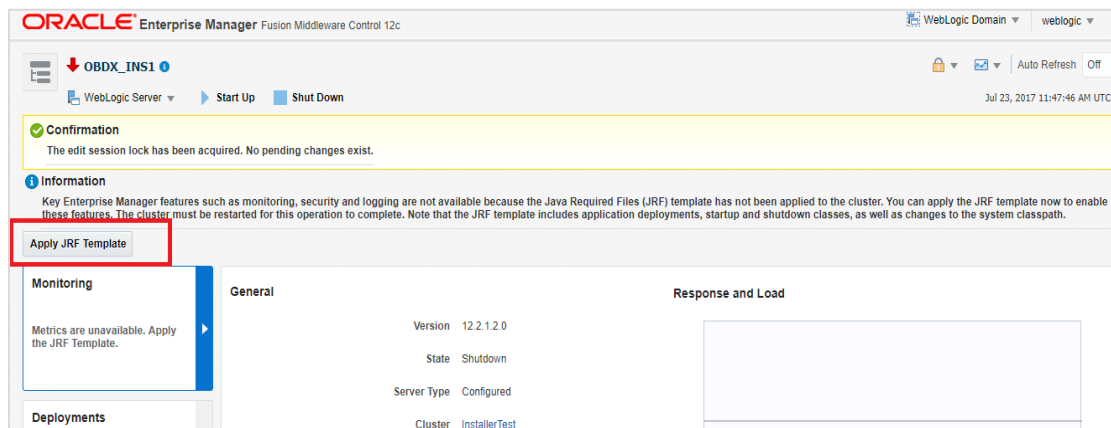
- Click on “Lock and Edit” option (as shown in screenshot).



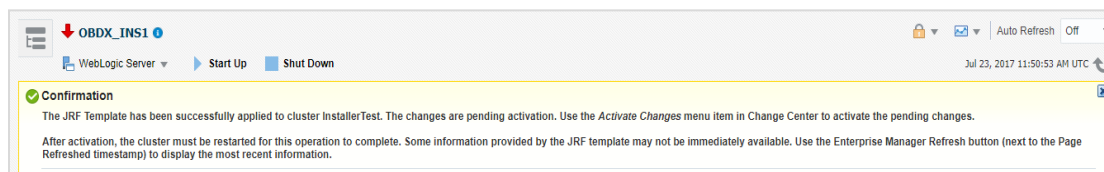
You will see below screen stating the edit session confirmation



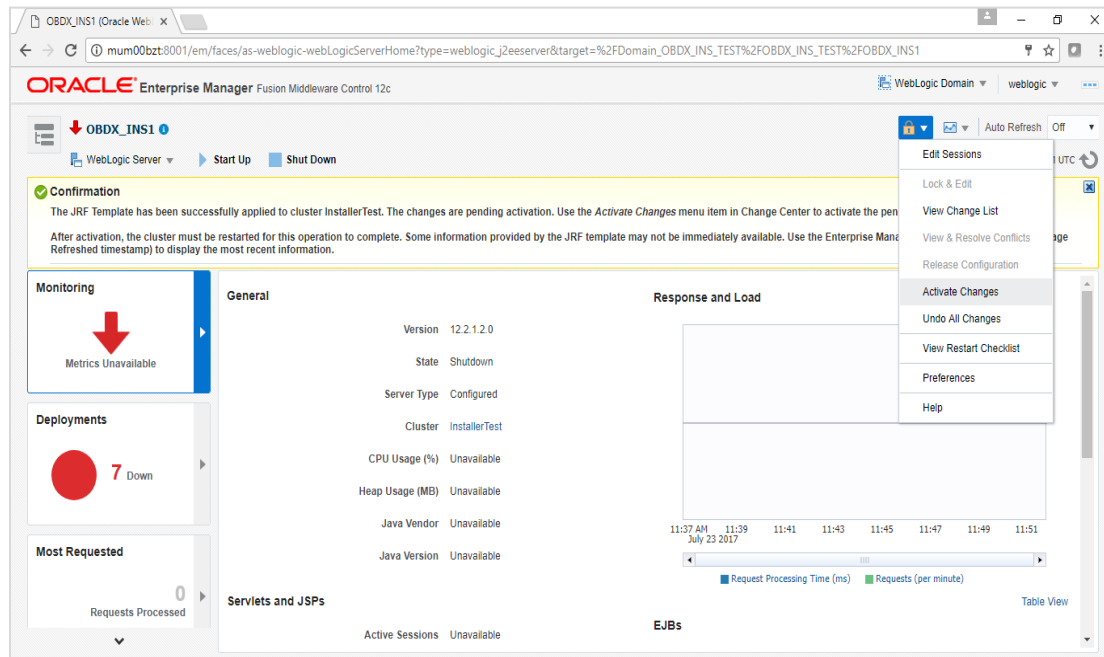
- Click on “Apply JRF Template” option (as shown in screenshot).



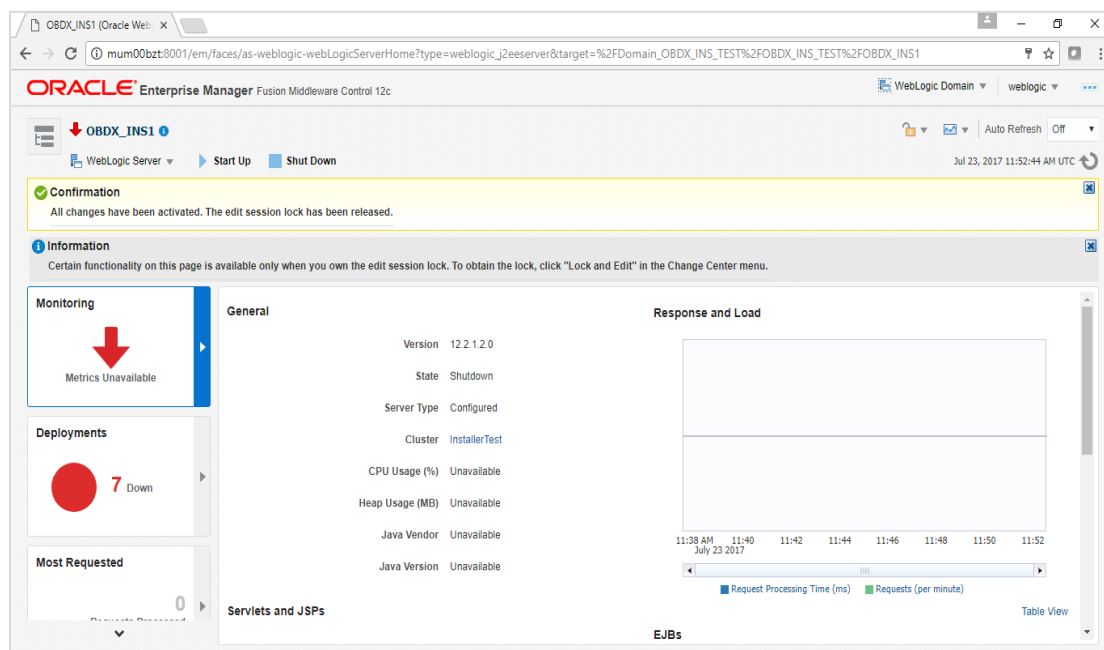
Is JRF successfully applied, you will get below Confirmation.



- Click on “Activates Changes” option (as shown in screenshot).



Post activation you will receive below Confirmation.



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 DBAAuthenticator. In case of DBAAuthenticator it has to be in sync with Password Policy Maintenance in OBDX.

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

Lockout Soft Failure Count: n

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

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: OBDX_INS

Change Center

View changes and restarts

Click the **Lock & Edit** button to modify, add or delete items in this domain.

Lock & Edit

Release Configuration

Domain Structure

OBDX_INS_TEST

- Domain Partitions
- Environments
- Deployments
- Services
- Security Realms
- Interoperability
- Diagnostics

How do I...

- Set user lockout attributes
- Unlock user accounts

Settings for myrealm

Configuration Users and Groups Roles and Policies Credential Mappings Providers Migration

General RDBMS Security Store **User Lockout** Performance

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

Save

Password guessing is a common type of security attack. In this type of attack, a hacker attempts to log in to a computer using various combinations of usernames and passwords. WebLogic Server provides a set of attributes to protect user accounts from intruders. This page allows us to define how user lockouts will be handled in this security realm.

☒ Lockout Enabled

Specifies whether the server locks users out when there are invalid login attempts on their account. [More Info...](#)

Lockout Threshold: 5

The maximum number of consecutive invalid login attempts that can occur before a user's account is locked out. [More Info...](#)

Lockout Duration: 30

The number of minutes that a user's account is locked out. [More Info...](#)

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...](#)

Lockout Cache Size: 5

The maximum number of invalid login records that the server can place in cache. [More Info...](#)

Save and Activate Changes

Restart AdminServer

OBDX Application logging

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

```
[devops@ ~]$ cd /home/devops/domain/OBDX182_UBS140/config/fmwconfig/servers/OBDX_UBS141/
[devops@ OBDX_UBS141]$ 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 mbeans
-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]$
```

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 OBDX log>/<OBDX 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'
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/OBDX_TEST/config/fmwconfig/servers/OBDX_INS1
<?xml version='1.0' encoding='UTF-8'?'>
<logging_configuration>
  <log_handlers>
    <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' value='J2EE_APP.name,J2EE_MODULE.name,WEBSERVICE.name,WEBSERVICE_PORT.name,composite_instance_id,component_instance_id,composite_name,component_name' />
    </log_handler>
    <log_handler name='console-handler' class='oracle.core.ojdl.logging.ConsoleHandler' level='WARNING:32' formatter='oracle.core.ojdl.weblogic.ConsoleFormatter' />
    <log_handler name='odl-handler' class='oracle.core.ojdl.logging.ODLHandlerFactory' filter='oracle.dfw.incident.IncidentDetectionLogFilter'>
      <property name='path' value='${domain.home}/servers/${weblogic.Name}/logs/${weblogic.Name}-diagnostic.log' />
      <property name='maxFileSize' value='10485760' />
      <property name='maxLogSize' value='104857600' />
      <property name='encoding' value='UTF-8' />
      <property name='useThreadName' value='true' />
      <property name='supplementalAttributes' value='DSID,J2EE_APP.name,J2EE_MODULE.name,WEBSERVICE.name,WEBSERVICE_PORT.name,oracle.soa.tracking.FlowId,oracle.soa.tracking.InstanceId,oracle.soa.tracking.SCAEntityId,oracle.soa.tracking.FaultId,oracle.soa.tracking.RetryCount,composite_name' />
    </log_handler>
    <log_handler name='wis-domain' class='oracle.core.ojdl.weblogic.DomainLogHandler' level='WARNING' />
    <log_handler name='owsm-message-handler' class='oracle.core.ojdl.logging.ODLHandlerFactory'>
      <property name='path' value='${domain.home}/servers/${weblogic.Name}/logs/owsm/msglogging/diagnostic.log' />
    </log_handler>
  </log_handlers>
</logging_configuration>
```

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>
```

```
</log_handler>
</log_handlers>
<loggers>
<logger name='com.ofss' level='ERROR' useParentHandlers='false'>
    <handler name='ofss-handler' />
</logger>
<logger name='000.com.ofss' level='ERROR' useParentHandlers='false'>
    <handler name='ofss-handler' />
</logger>
<logger name='' level='WARNING:1' useParentHandlers='true'>
    <handler name='odl-handler' />
    <handler name='wls-domain' />
    <handler name='console-handler' />
</logger>
<logger name='oracle' level='NOTIFICATION:1' useParentHandlers='true' />
<logger name='oracle.adf' useParentHandlers='true' />
<logger name='oracle.adf.desktopintegration' useParentHandlers='true' />
<logger name='oracle.adf.faces' useParentHandlers='true' />
<logger name='oracle.adf.controller' useParentHandlers='true' />
<logger name='oracle.adfinternal' useParentHandlers='true' />
<logger name='oracle.adfinternal.controller' useParentHandlers='true' />
<logger name='oracle.jbo' useParentHandlers='true' />
<logger name='oracle.adfdt' useParentHandlers='true' />
<logger name='oracle.adfdtinternal' useParentHandlers='true' />
<logger name='oracle.wsm' useParentHandlers='true' />
<logger name='oracle.wsm.msg.logging' level='NOTIFICATION:1' useParentHandlers='false'>
```

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>

```
@obdxwls:~/obdx/config/META-INF
[ META-INF]$
[ META-INF]$
[ META-INF]$ pwd
/home/devops/obdx/config/META-INF
```

```
@obdxwls:~/obdx/config/META-INF
[ META-INF]$ cat persistence.xml
<?xml version="1.0" encoding="UTF-8" standalone="no">
<persistence 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/persistence http://java.sun.com/xml/ns/persistence/persistence_2_0.xsd">
  <persistence-unit name="DIGX" transaction-type="JTA">
    <jta-data-source>DIGX</jta-data-source>
    <mapping-file>META-INF/generic-mapping.orm.xml</mapping-file>
    <properties>
      <property name="eclipselink.logging.level" value="WARNING"/>
      <property name="eclipselink.logging.file" value="jpa-eclipselink.log"/>
      <property name="eclipselink.jdbc.connector" value="com.offs.fc.infra.das.orm.eclipselink.EclipseLinkConnector"/>
      <property name="eclipselink.target-server" value="WebLogic"/>
      <property name="eclipselink.session.customizer" value="com.offs.digx.infra.das.orm.eclipselink.EclipseLinkSessionCustomizer"/>
    </properties>
  </persistence-unit>
  <persistence-unit name="BATCH" transaction-type="RESOURCE_LOCAL">
    <mapping-file>META-INF/generic-mapping.orm.xml</mapping-file>
    <properties>
      <property name="eclipselink.logging.level" value="WARNING"/>
      <property name="eclipselink.logging.file" value="jpa-eclipselink-batch.log"/>
      <property name="eclipselink.jdbc.connector" value="com.offs.fc.infra.das.orm.eclipselink.EclipseLinkConnector"/>
      <property name="eclipselink.target-server" value="WebLogic"/>
      <property name="eclipselink.session.customizer" value="com.offs.digx.infra.das.orm.eclipselink.EclipseLinkSessionCustomizer"/>
    </properties>
  </persistence-unit>
  <persistence-unit name="NONXA" transaction-type="RESOURCE_LOCAL">
    <non-jta-data-source>NONXA</non-jta-data-source>
    <mapping-file>META-INF/generic-mapping.orm.xml</mapping-file>
    <properties>
      <property name="eclipselink.logging.level" value="WARNING"/>
      <property name="eclipselink.logging.file" value="jpa-eclipselink-nonxa.log"/>
      <property name="eclipselink.jdbc.connector" value="com.offs.fc.infra.das.orm.eclipselink.EclipseLinkConnector"/>
      <property name="eclipselink.target-server" value="WebLogic"/>
      <property name="eclipselink.session.customizer" value="com.offs.digx.infra.das.orm.eclipselink.EclipseLinkSessionCustomizer"/>
    </properties>
  </persistence-unit>
</persistence>
[ META-INF]$
```

Change logging level during runtime

To change OBDX application logging level at runtime (when OBDX 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 OBDX domain (created via installer), just replace the “/console” with “/em”.

SIGN IN TO
ORACLE ENTERPRISE MANAGER
 FUSION MIDDLEWARE CONTROL 12c

Domain Domain_OBDX182_UBS140

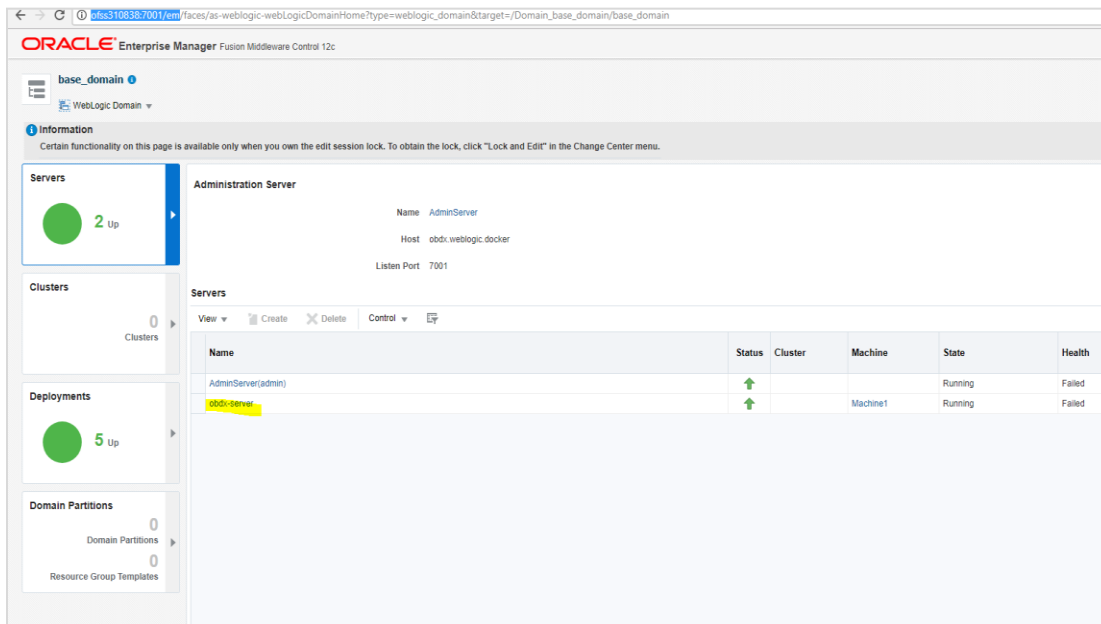
* User Name

* Password

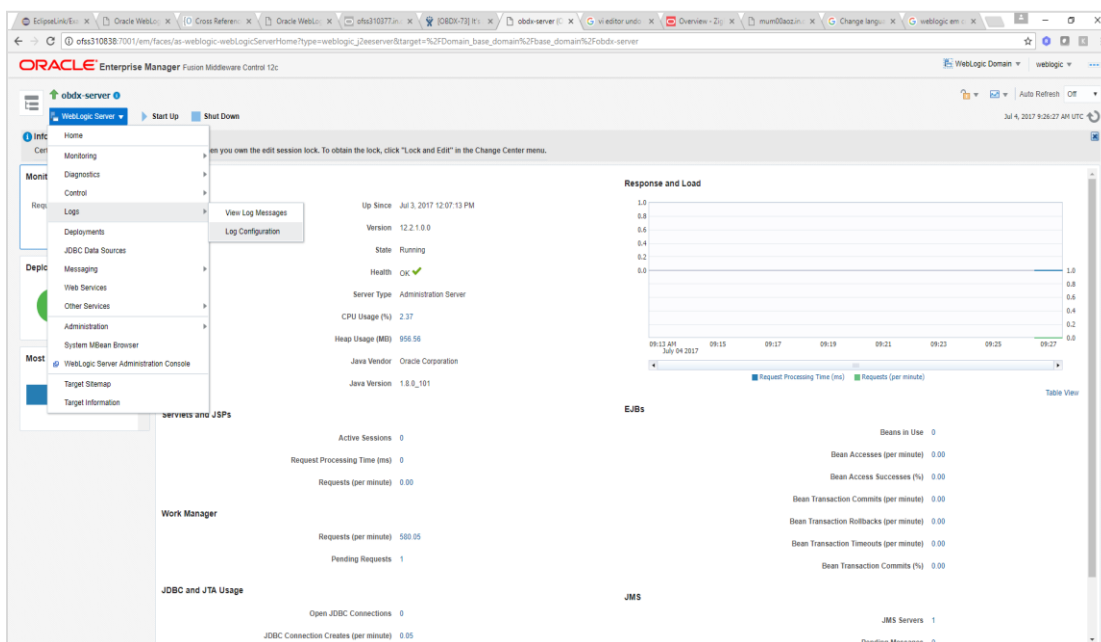
☐ Login to Partition

- Click on obdx-server

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



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



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

Oracle Enterprise Manager Fusion Middleware Control 12c

obdx-server
WebLogic Server

Start Up Shut Down

/Domain_base_domain/base_domain/obdx-server > Log Configuration

View Runtime Loggers

Search All Categories

Logger Name	Oracle Diagnostic Logging Level (Java Level)	Log File	Persistent Log Level State
Root Logger	ERROR:1 (SEVERE)	ofss-handler	ERROR:1
000	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	
08	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	
08.com.ofss	ERROR:1 (SEVERE)	ofss-handler	ERROR:1
ExampleApplication:Encoder	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	
LifeCycle	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	
Security	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	
ServiceLoader	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	
com	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	
global	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	
io	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	
javax	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	
jersey	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	
jmx:fmw	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	
oracle	NOTIFICATION:1 (INFO)	ofss-handler	NOTIFICATION:1
org	ERROR:1 (SEVERE) [Inherited f]	ofss-handler	

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

Oracle FLEXCUBE Universal Banking (OBDX with UBS)

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

Foreign Server

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

Summary of JMS Modules

JMS system resources are configured and stored as modules similar to standard Java EE modules. Such resources include queues, topics, connection factories, templates, destination keys, quota, distributed destinations, foreign servers, and store-and-forward parameters.

This page summarizes the JMS system modules that have been created for this domain.

[Customize this table](#)

JMS Modules (Filtered - More Columns Exist)

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

NewDelete

<input type="checkbox"/>	Name ↕	Type
<input type="checkbox"/>	AuditJMS	JMSSystemResource
<input type="checkbox"/>	FileUploadJMS	JMSSystemResource
<input type="checkbox"/>	ReportsJMSModule	JMSSystemResource
<input type="checkbox"/>	UBSSystemModule	JMSSystemResource

NewDelete

Settings for UBSSystemModule

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:

UBSSystemModule

The name of this JMS system module. [More Info...](#)

Scope:

Global

Specifies if the JMS system module is accessible within the domain, a partition, or a resource group template.

Descriptor File Name:

jms/ubssystemmodule-jms.xml

The name of the JMS module descriptor file. [More Info...](#)

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, and store-and-forward parameters.

[Customize this table](#)

Summary of Resources

Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

NewDelete

<input type="checkbox"/>	Name ↕	Type	JNDI Name	Subdeployment	Targets
<input type="checkbox"/>	UBSForeignServer	Foreign Server	N/A	UBSSubdeployment	obdx_cluster

NewDelete

Showing 1 to 1 of 1 items

- Click on UBSForeignServer

Settings for UBSForeignServer

Configuration Subdeployment Notes

General Destinations Connection Factories

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

Save

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 foreign servers can be configured.

Name: UBSForeignServer

JNDI Initial Context Factory: weblogic.jndi.WLInitialContextFactory

JNDI Connection URL: t3://<EHMS_WLS_SERVER>:<EHMS_WLS_SERVER_PORT>/

JNDI Properties Credential:

Confirm JNDI Properties Credential:

JNDI Properties:

```
java.naming.security.principal=
<EHMS_WLS_USERNAME>
```

- Click on Lock & Edit

Settings for UBSForeignServer

Configuration Subdeployment Notes

General Destinations Connection Factories

Save

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 foreign servers can be configured.

Name: UBSForeignServer

JNDI Initial Context Factory: weblogic.jndi.WLInitialContextFactory

JNDI Connection URL: t3://<EHMS_WLS_SERVER>:<EHMS_WLS_SERVER_PORT>/

JNDI Properties Credential:

Confirm JNDI Properties Credential:

JNDI Properties:

```
java.naming.security.principal=
<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 outside a WebLogic Server. It contains information that allows WebLogic Server to reach the remote JNDI provider. This way, a number of connection factory and destination objects (queues or topics) can be defined on one JNDI foreign server.

Name: UBSForeignServer The name of this foreign server. [More Info...](#)

JNDI Initial Context Factory: weblogic.jndi.WLInitialContext The name of the class that must be instantiated to access the JNDI provider. This class is the vendor that are being used. [More Info...](#)

JNDI Connection URL: t3://10.184.135.59:7860/ The URL that WebLogic Server will use to contact the JNDI provider. The syntax of this field is being used. For WebLogic JMS, leave this field blank if you are referencing WebLogic JMS. [More Info...](#)

JNDI Properties Credential: ***** Any Credentials that must be set for the JNDI provider. These Credentials will be part of the constructor for the JNDI provider's InitialContext class. Note: For secure credentials, the Properties field results in the credential being stored and displayed as originally entered. [More Info...](#)

Confirm JNDI Properties Credential: *****

JNDI Properties: java.naming.security.principal=infra Any additional properties that must be set for the JNDI provider. These properties will be part of the constructor for the JNDI provider's InitialContext class. [More Info...](#)

☐ Default Targeting Enabled Specifies whether this JMS resource defaults to the parent module's targeting or uses its own mechanism. [More Info...](#)

Save

Home > Summary of JMS Modules > UBSSystemModule > Summary of JMS Modules > UBSSystemModule > Summary of JMS Modules > UBSForeignServer > Configuration > NOTIFY_DEST_QUEUE_Fcdb > UBSForeignServer

Messages

Settings updated successfully.

Settings for UBSForeignServer

Configuration Subdeployment Notes

General Destinations Connection Factories

Save

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 connection factory and destination objects (queues or topics) can be defined on one JNDI foreign server.

Name: UBSForeignServer The name of this foreign server. [More Info...](#)

JNDI Initial Context Factory: weblogic.jndi.WLInitialContext The name of the class that must be instantiated to access the JNDI provider. This class is the vendor that are being used. [More Info...](#)

JNDI Connection URL: t3://10.184.135.59:7860/ The URL that WebLogic Server will use to contact the JNDI provider. The syntax of this field is being used. For WebLogic JMS, leave this field blank if you are referencing WebLogic JMS. [More Info...](#)

JNDI Properties Credential: ***** Any Credentials that must be set for the JNDI provider. These Credentials will be part of the constructor for the JNDI provider's InitialContext class. Note: For secure credentials, the Properties field results in the credential being stored and displayed as originally entered. [More Info...](#)

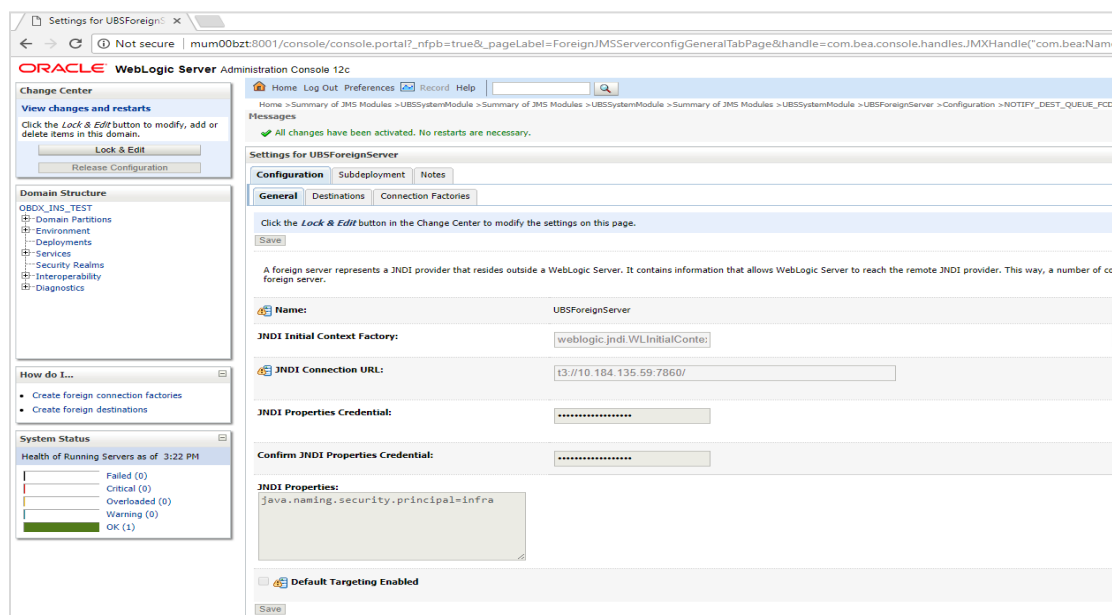
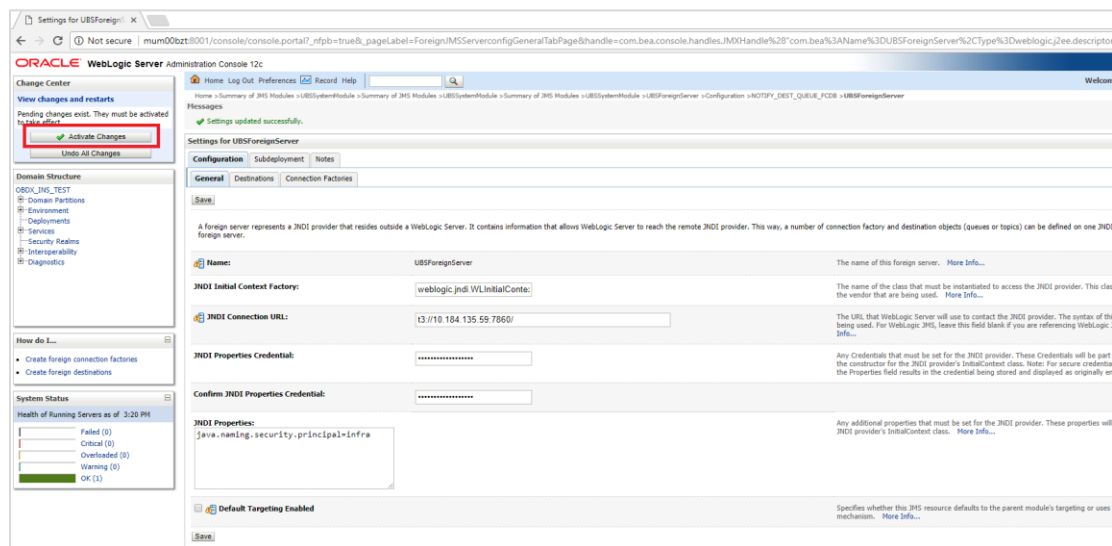
Confirm JNDI Properties Credential: *****

JNDI Properties: java.naming.security.principal=infra Any additional properties that must be set for the JNDI provider. These properties will be part of the constructor for the JNDI provider's InitialContext class. [More Info...](#)

☐ Default Targeting Enabled Specifies whether this JMS resource defaults to the parent module's targeting or uses its own mechanism. [More Info...](#)

Save

- Click on Activate Changes



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 <OBDX 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-r--r--	-	

- 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-r--r--	-	

- Open the wsconfig.properties to edit

Name	Size	Packed Size	Modified	Created	Accessed
com	1 193 325	381 587	2017-07-21 11:27		
META-INF	4 543	1 808	2017-07-21 11:27		
wsconfig.properties	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
Delete	Del

```
wsconfig.properties - Notepad
File Edit Format View Help
AlertProcessorService.service.AlertProcessorService
AlertProcessorService.namespace=http://host.service.alerts.appx.digx.ofss.com/
AlertProcessorService.url=http://<OBDX_WLS_HOSTNAME>:<OBDX_WLS_MS_PORT>/obdx/AlertProcessorService?wsdl
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>
FileProcessedNotifProcessorService.service.FileProcessedNotifProcessorService
FileProcessedNotifProcessorService.namespace=http://host.service.fileupload.appx.digx.ofss.com/
FileProcessedNotifProcessorService.url=http://<OBDX_WLS_HOSTNAME>:<OBDX_WLS_MS_PORT>/obdx/FileProcessedNotifProcessorService?wsdl
FileProcessedNotifProcessorService.stubClass=com.ofss.digx.appx.fileupload.service.host.FileProcessedNotifProcessorService
FileProcessedNotifProcessorService.endpointName=FileProcessedNotificationProcessorPort
FileProcessedNotifProcessorService.stubService=com.ofss.digx.appx.fileupload.service.host.FileProcessedNotifProcessorService
FileProcessedNotifProcessorService.proxyClassName=com.ofss.digx.appx.fileupload.service.host.FileProcessedNotificationProcessor
FileProcessedNotifProcessorService.timeOut=1200000
```

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

```
wsconfig.properties - Notepad
File Edit Format View Help
AlertProcessorService.service.AlertProcessorService
AlertProcessorService.namespace.http://host.service.alerts.appx.digx.offss.com/
AlertProcessorService.url.http://mumaa012.in.oracle.com:27003/obdx/AlertProcessorService?wsdl
AlertProcessorService.stubClass.com.offss.digx.appx.alerts.service.host.AlertProcessorService
AlertProcessorService.endpointName.AlertProcessorPort
AlertProcessorService.stubService.com.offss.digx.appx.alerts.service.host.AlertProcessorService
AlertProcessorService.proxyClassName.com.offss.digx.appx.alerts.service.host.AlertProcessor
AlertProcessorService.timeOut.1200000
AlertProcessorService.targetUnit.OBDX_BU
FileProcessedNotificationProcessorService.service.FileProcessedNotificationProcessorService
FileProcessedNotificationProcessorService.namespace.http://host.service.fileupload.appx.digx.offss.com/
FileProcessedNotificationProcessorService.url.http://mumaa012.in.oracle.com:27003/obdx/FileProcessedNotificationProcessorService?wsdl
FileProcessedNotificationProcessorService.stubClass.com.offss.digx.appx.fileupload.service.host.FileProcessedNotificationProcessorService
FileProcessedNotificationProcessorService.endpointName.FileProcessedNotificationProcessorPort
FileProcessedNotificationProcessorService.stubService.com.offss.digx.appx.fileupload.service.host.FileProcessedNotificationProcessorService
FileProcessedNotificationProcessorService.proxyClassName.com.offss.digx.appx.fileupload.service.host.FileProcessedNotificationProcessor
FileProcessedNotificationProcessorService.timeOut.1200000
```

```
wsconfig.properties - Notepad
File Edit Format View Help
AlertProcessorService.service.AlertProcessorService
AlertProcessorService.namespace.http://host.service.alerts.appx.digx.offss.com/
AlertProcessorService.url.http://mumaa012.in.oracle.com:27003/obdx/AlertProcessorService?wsdl
AlertProcessorService.stubClass.com.offss.digx.appx.alerts.service.host.AlertProcessorService
AlertProcessorService.endpointName.AlertProcessorPort
AlertProcessorService.stubService.com.offss.digx.appx.alerts.service.host.AlertProcessorService
AlertProcessorService.proxyClassName.com.offss.digx.appx.alerts.service.host.AlertProcessor
AlertProcessorService.timeOut.1200000
AlertProcessorService.targetUnit.OBDX_BU
FileProcessedNotificationProcessorService.service.FileProcessedNotificationProcessorService
FileProcessedNotificationProcessorService.namespace.http://host.service.fileupload.appx.digx.offss.com/
FileProcessedNotificationProcessorService.url.http://mumaa012.in.oracle.com:27003/obdx/FileProcessedNotificationProcessorService?wsdl
FileProcessedNotificationProcessorService.stubClass.com.offss.digx.appx.fileupload.service.host.FileProcessedNotificationProcessorService
FileProcessedNotificationProcessorService.endpointName.FileProcessedNotificationProcessorPort
FileProcessedNotificationProcessorService.stubService.com.offss.digx.appx.fileupload.service.host.FileProcessedNotificationProcessorService
FileProcessedNotificationProcessorService.proxyClassName.com.offss.digx.appx.fileupload.service.host.FileProcessedNotificationProcessor
FileProcessedNotificationProcessorService.timeOut.1200000
```

```
wsconfig.properties - Notepad
File Edit Format View Help
AlertProcessorService.service.AlertProcessorService
AlertProcessorService.namespace.http://host.service.alerts.appx.digx.offss.com/
AlertProcessorService.url.http://mumaa012.in.oracle.com:27003/obdx/AlertProcessorService?wsdl
AlertProcessorService.stubClass.com.offss.digx.appx.alerts.service.host.AlertProcessorService
AlertProcessorService.endpointName.AlertProcessorPort
AlertProcessorService.stubService.com.offss.digx.appx.alerts.service.host.AlertProcessorService
AlertProcessorService.proxyClassName.com.offss.digx.appx.alerts.service.host.AlertProcessor
AlertProcessorService.timeOut.1200000
AlertProcessorService.targetUnit.OBDX_BU
FileProcessedNotificationProcessorService.service.FileProcessedNotificationProcessorService
FileProcessedNotificationProcessorService.namespace.http://host.service.fileupload.appx.digx.offss.com/
FileProcessedNotificationProcessorService.url.http://mumaa012.in.oracle.com:27003/obdx/FileProcessedNotificationProcessorService?wsdl
FileProcessedNotificationProcessorService.stubClass.com.offss.digx.appx.fileupload.service.host.FileProcessedNotificationProcessorService
FileProcessedNotificationProcessorService.endpointName.FileProcessedNotificationProcessorPort
FileProcessedNotificationProcessorService.stubService.com.offss.digx.appx.fileupload.service.host.FileProcessedNotificationProcessorService
FileProcessedNotificationProcessorService.proxyClassName.com.offss.digx.appx.fileupload.service.host.FileProcessedNotificationProcessor
FileProcessedNotificationProcessorService.timeOut.1200000
```

- Save changes.
- 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	-	
wsconfig.properties	1 420	288	2017-07-21 11:27			-rw-r--r--	-	

7-Zip

File 'wsconfig.properties' was modified.
Do you want to update it in the archive?

OK Cancel

- Navigate back to obdx.externalsystem.ubs.notification.mdb.ear

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

- Click OK

Name	Size	Packed Size	Modified	Created	Accessed	Attributes	Encrypted	Comment
com	1 193 325	381 587	2017-07-21 11:27			D drrwrr-rr-r	-	
META-INF	4 543	1 808	2017-07-21 11:27			D drrwrr-rr-r	-	
	1 421	288	2017-07-25 21:06	2017-07-25 21:03	2017-07-25 21:03	A	-	

7-Zip

File 'com.ofss.extsystem.ubs.notification.jar' was modified.
Do you want to update it in the archive?

OK Cancel

Name	Size	Packed Size	Modified	Created	Accessed	Attributes	Encrypted	Comment
APP-INF	3 783 283	3 350 626	2017-05-19 11:57			D drrwrr-rr-r	-	
META-INF	1 660	862	2017-07-21 11:29			D drrwrr-rr-r	-	
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	A	-	

< 0 object(s) selected >

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

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

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains a 'Change Center' section with a 'Lock & Edit' button highlighted. The main area displays the 'Summary of Deployments' page, which includes a table of installed applications and modules.

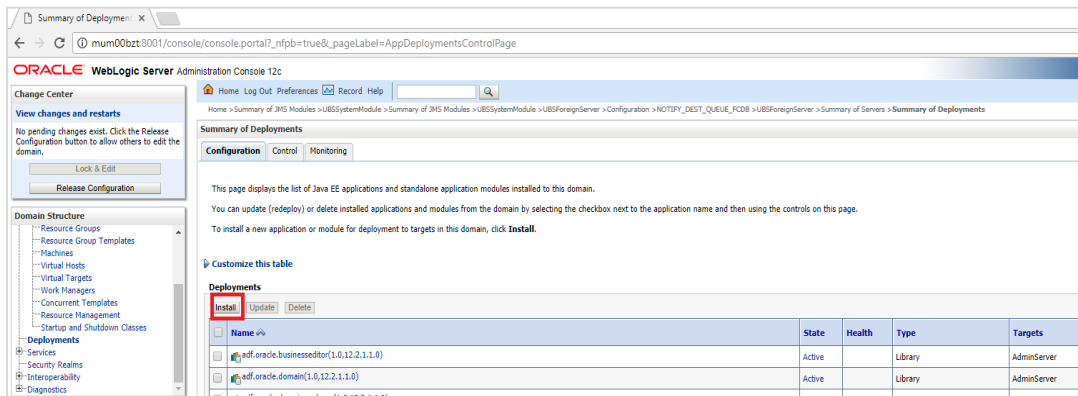
Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
java	Active		Library	AdminServer	Global		100
oracle.businessintegrator(1.0.12.2.1.1.0)	Active		Library	AdminServer	Global		100
oracle.domain(1.0.12.2.1.1.0)	Active		Library	AdminServer	Global		100
oracle.domain.webapp(1.0.12.2.1.1.0)	Active		Library	AdminServer	Global		100
my.AuditRecorder	New		Enterprise Application	InstallerTest	Global		100
my.BatchResourceAdapter	New		Enterprise Application	InstallerTest	Global		100
coherence-transaction-ear	Active	OK	Resource Adapter	AdminServer	Global		100
my.com.oracle.dig.app.connector	New		Enterprise Application	InstallerTest	Global		100
my.com.oracle.dig.app.service.rest	New		Enterprise Application	InstallerTest	Global		100
my.com.oracle.dig.app.service.soap	New		Enterprise Application	InstallerTest	Global		100
my.DMS Application (12.2.1.1.0)	Active	OK	Web Application	AdminServer	Global		5

- Click Lock & Edit

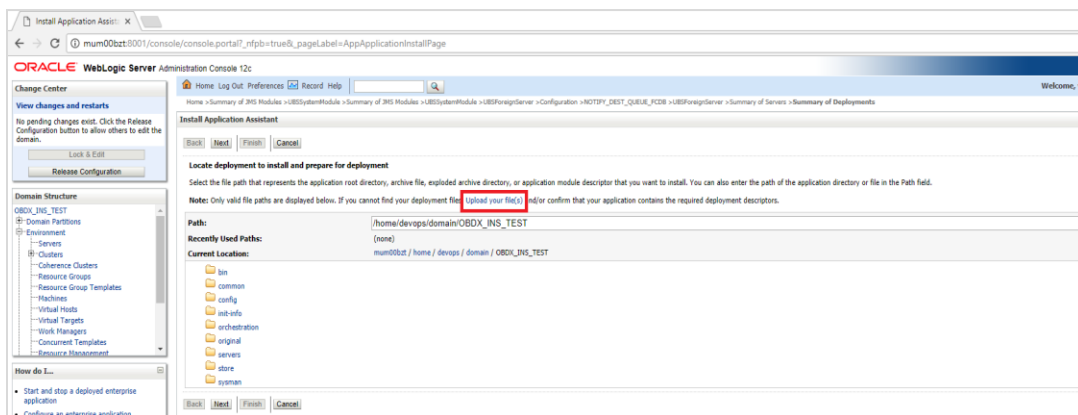
The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains a 'Change Center' section with a 'Lock & Edit' button highlighted. The main area displays the 'Summary of Deployments' page, which includes a table of installed applications and modules.

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
java	Active		Library	AdminServer	Global		100
oracle.businessintegrator(1.0.12.2.1.1.0)	Active		Library	AdminServer	Global		100
oracle.domain(1.0.12.2.1.1.0)	Active		Library	AdminServer	Global		100
oracle.domain.webapp(1.0.12.2.1.1.0)	Active		Library	AdminServer	Global		100
my.AuditRecorder	New		Enterprise Application	InstallerTest	Global		100
my.BatchResourceAdapter	New		Enterprise Application	InstallerTest	Global		100
coherence-transaction-ear	Active	OK	Resource Adapter	AdminServer	Global		100
my.com.oracle.dig.app.connector	New		Enterprise Application	InstallerTest	Global		100
my.com.oracle.dig.app.service.rest	New		Enterprise Application	InstallerTest	Global		100
my.com.oracle.dig.app.service.soap	New		Enterprise Application	InstallerTest	Global		100
my.DMS Application (12.2.1.1.0)	Active	OK	Web Application	AdminServer	Global		5

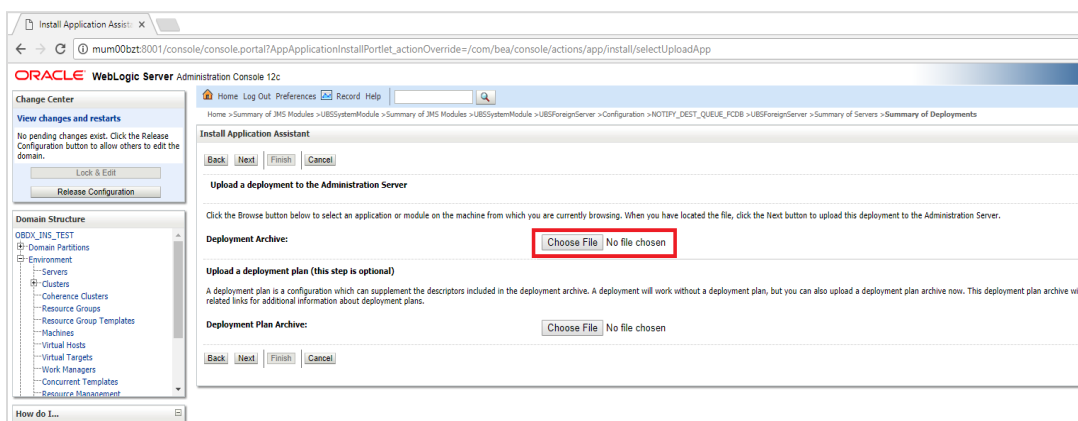
- Click on Install



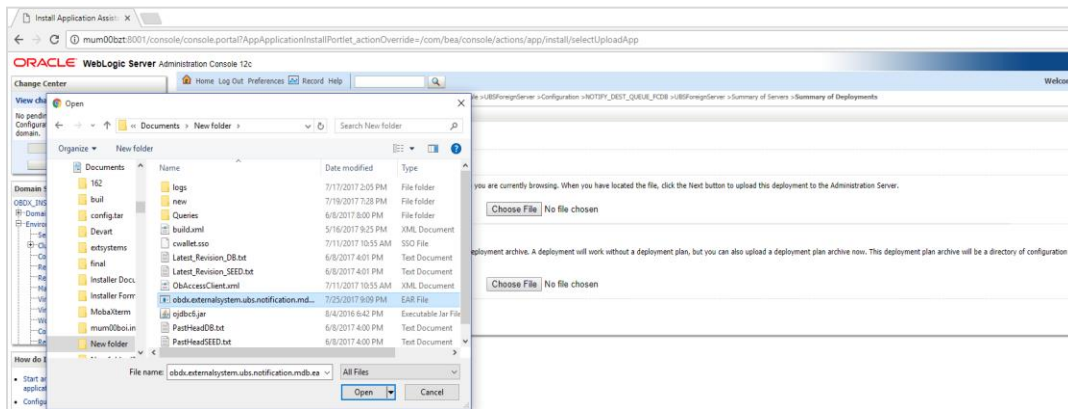
- Click on Upload your file(s)



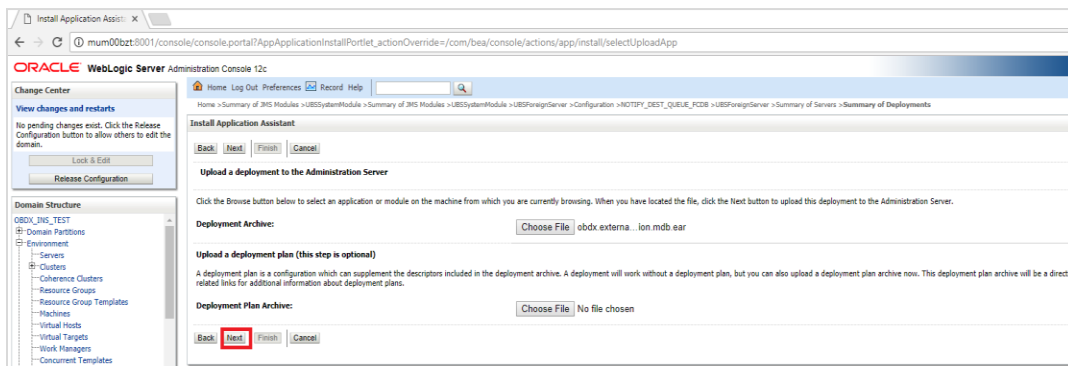
- Click on Choose File under Deployment Archive



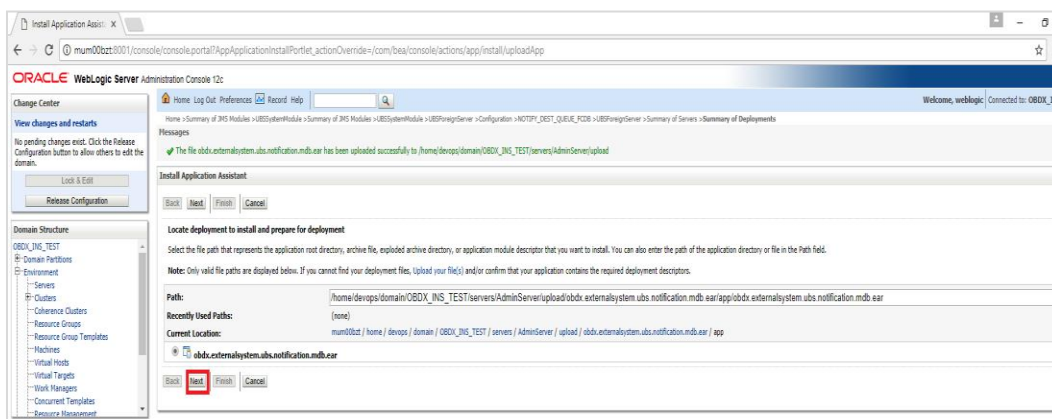
- Navigate to customized obdx.externalsystem.ubs.notification.mdb.ear and click Open



- Click Next



- Click Next



- Select “Install this deployment as an application” and click Next

The screenshot shows the 'Install Application Assistant' dialog in the Oracle WebLogic Server Administration Console. The dialog is titled 'Install Application Assistant' and has a breadcrumb trail: Home > Summary of JMS Modules > UBSSystemModule > Summary of JMS Modules > UBSForeignServer > Configuration > NOTIFY_DEST_QUEUE_FCD > UBSForeignServer > Summary of Servers > Summary of Deployments. The dialog has a 'Back' button, a 'Next' button (highlighted with a red box), a 'Finish' button, and a 'Cancel' button. The main content area is titled 'Choose installation type and scope' and contains the following text: 'Select if the deployment should be installed as an application or library. Also decide the scope of this deployment. The application and its components will be targeted to the same locations. This is the most common usage.' There are three radio buttons: 'Install this deployment as an application' (selected), 'Install this deployment as a library', and 'Install this deployment as an application, but target the components individually'. Below the radio buttons is a section titled 'Select a scope in which you want to install the deployment.' with a 'Scope:' label and a dropdown menu set to 'Global'. At the bottom, there are 'Back', 'Next' (highlighted), 'Finish', and 'Cancel' buttons.

- Select Cluster as target and click Next

The screenshot shows the 'Install Application Assistant' dialog in the Oracle WebLogic Server Administration Console. The dialog is titled 'Install Application Assistant' and has a breadcrumb trail: Home > Summary of JMS Modules > UBSSystemModule > Summary of JMS Modules > UBSForeignServer > Configuration > NOTIFY_DEST_QUEUE_FCD > UBSForeignServer > Summary of Servers > Summary of Deployments. The dialog has a 'Back' button, a 'Next' button (highlighted with a red box), a 'Finish' button, and a 'Cancel' button. The main content area is titled 'Select deployment targets' and contains the following text: 'Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets later).' There is a section titled 'Available targets for obdx.externalSystem.ubs.notification.mdb :'. It contains two sections: 'Servers' with a checkbox for 'AdminServer' (unchecked) and 'Clusters' with a checkbox for 'InstallerTest' (checked). Under 'InstallerTest', there are two radio buttons: 'All servers in the cluster' (selected) and 'Part of the cluster' (unchecked). Below 'Part of the cluster' is a checkbox for 'OBDX_INSI' (unchecked). At the bottom, there are 'Back', 'Next' (highlighted), 'Finish', and 'Cancel' buttons.

- Click Next

Oracle WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Home > Summary of 3MS Modules > UBSSystemModule > Summary of 3MS Modules > UBSSystemModule > UBSForeignServer > Configuration > NOTPY_DEST_QUEUE_FCD8 > UBSForeignServer > Summary of Servers > Summary of Deployments

Install Application Assistant

Back Next Finish Cancel

Optional Settings

You can modify these settings or accept the defaults.
* Indicates required fields

— General

What do you want to name this deployment?

* Name: obdx.externalsystem.ubs.notification.mdl

Specification Version: 17.2.0.0.0

Implementation Version: 201707211119

— Security

What security model do you want to use with this application?

☒ DD Only: Use only roles and policies that are defined in the deployment descriptors.

☐ Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.

☐ Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.

☐ Advanced: Use a custom model that you have configured on the realm's configuration page.

— Source Accessibility

How do I...
• Start and stop a deployed enterprise application
• Configure an enterprise application
• Create a deployment plan
• Target an enterprise application to a server instance
• Test the modules in an enterprise application

- Click Finish.

Oracle WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Home > Summary of 3MS Modules > UBSSystemModule > Summary of 3MS Modules > UBSSystemModule > UBSForeignServer > Configuration > NOTPY_DEST_QUEUE_FCD8 > UBSForeignServer > Summary of Servers > Summary of Deployments

Install Application Assistant

Back Next Finish Cancel

Review your choices and click Finish

Click Finish to complete the deployment. This may take a few moments to complete.

— Additional Configuration

In order to work successfully, this application may require additional configuration. Do you want to review this application's configuration after completing this assistant?

☒ Yes, take me to the deployment's configuration screen.

☐ No, I will review the configuration later.

— Summary

Deployment: /home/develop/obdx/obdx.notification.mdl

Name: obdx.externalsystem.ubs.notification.mdl

Staging Mode: Use the defaults defined by the chosen targets

Plan Staging Mode: Use the same accessibility as the application

Security Model: DDOnly: Use only roles and policies that are defined in the deployment descriptors.

Scope: Global

Target Summary

Components	Targets
obdx.externalsystem.ubs.notification.mdl	InstallerTest

Back Next Finish Cancel

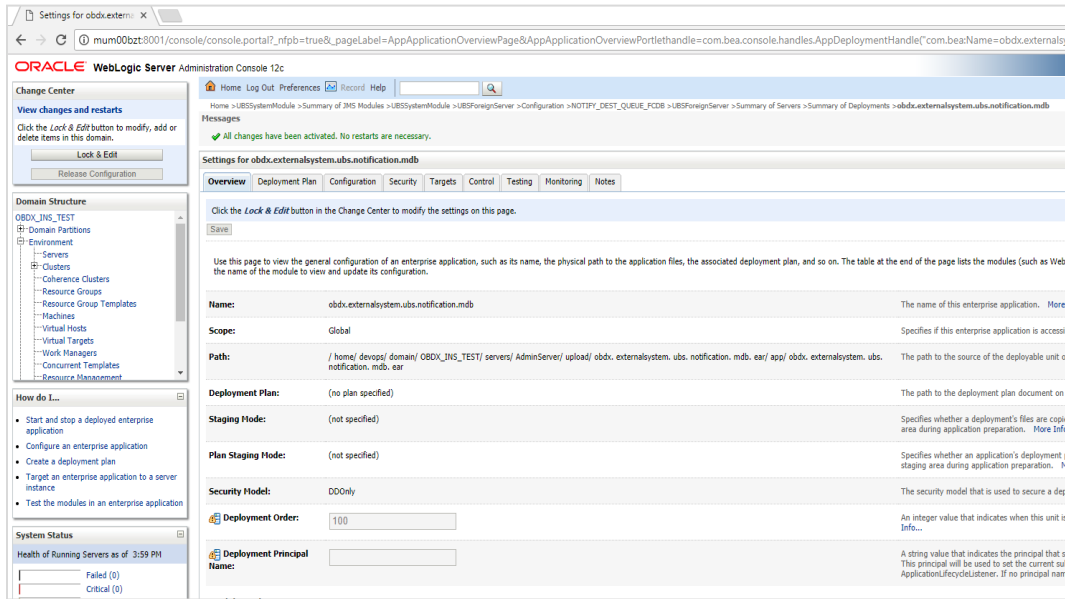
System Status
Health of Domain Servers as of 1:58 PM

- Click Save.

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' with 'View changes and restarts' and 'Activate Changes' buttons. Below it is the 'Domain Structure' tree. The main content area shows the 'Settings for obdx.externalsystem.ubs.notification.mdb' page. The 'Overview' tab is selected, and the 'Save' button is highlighted with a red box. The page displays various configuration fields for the application, including Name, Scope, Path, Deployment Plan, Staging Mode, Plan Staging Mode, Security Model, Deployment Order, and Deployment Principal Name.

- Click Activate Changes

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' with 'View changes and restarts' and 'Activate Changes' buttons. Below it is the 'Domain Structure' tree. The main content area shows the 'Settings for obdx.externalsystem.ubs.notification.mdb' page. The 'Overview' tab is selected, and the 'Activate Changes' button is highlighted with a red box. The page displays various configuration fields for the application, including Name, Scope, Path, Deployment Plan, Staging Mode, Plan Staging Mode, Security Model, Deployment Order, and Deployment Principal Name. A message at the top indicates 'Settings updated successfully.'

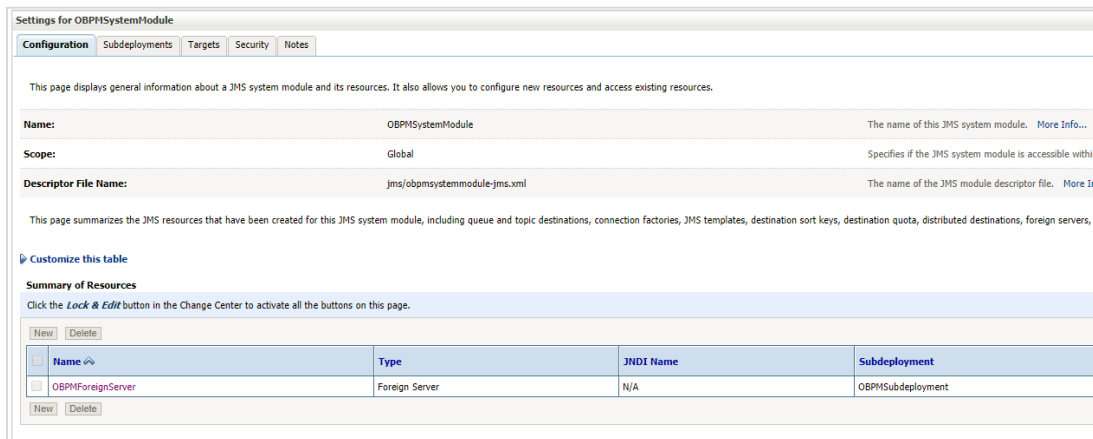


Oracle FLEXCUBE Universal Banking with Oracle Banking Payments (OBDX with OBPM)

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

Foreign Server

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



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

Deployment of notification MDB application

Before deployment of obdx.externalsystem.obpm.notification.mdb.ear application, make changes similar to obdx.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

OBDX with OBP Base (Installation with Oracle Banking Platform)

Refer below document (section 5.2 OUD configurations in OBP) for User Authentication required for integration with OBP

Oracle Banking Digital Experience OBP Base Setup and Configuration

OBDX US LZN with OBP US LZN (Installation with Oracle Banking Platform US LZN)

Once OBP Base setup and configuration is complete, refer below document to apply LZN Installer required for integration with OBP 2.5.0.2 US LZN.

Oracle Banking Digital Experience OBP US LZN Setup and Configuration

OBDX with OFSLL (Installation with Oracle Services Lending and Leasing)

Refer below document for OFSLL Installer required for integration with OFSLL

Oracle Banking Digital Experience OFSLL Setup Configuration

OFSLL supports social media integration. Refer Oracle Banking Digital Experience Origination Social Media Integration document.

OHS

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

Editing Configuration Validation

Once the system is installed, on first login, the administrator of the system would be prompted to configure the system. Each of the system configuration's inputs have specific validation built into the item. The default validations for such configuration items are maintained as JSON object in the database table DIGX_CF_CONFIG_ITEM_INPUT.

The structure of the JSON object is as below:


```

1  {
2      "title": "Bank Code",
3      "validator": "ALPHANUMERIC",
4      "required": true,
5      "message": "Invalid Bank Code",
6      "extension": {
7          "type": "length",
8          "options": {
9              "min": 1,
10             "max": 3
11         }
12     }
13 }

```

Element Name	Description	Allowed Values
title	Title/Label of the configuration item	Any String
validator	The validator to be used to check for validity of the datatype	<p>ALPHANUMERIC – Supports the regular expression : "[a-zA-Z0-9]*"</p> <p>ALPHANUMERIC_WITH_SPACE – Supports the regular expression : "[a-zA-Z0-9]*"</p> <p>NUMBERS – Supports the regular expression : "[0-9]*"</p> <p>DECIMALS – Supports the regular expression : "^([0-9]*\.[0-9]+)\$"</p> <p>ALPHABETS – Supports the regular expression : "[a-zA-Z]*"</p> <p>ALPHABETS_WITH_SPACE – Supports the regular expression : "[a-zA-Z]*"</p> <p>ALPHABETS_WITH_SOME_SPECIAL – Supports the regular expression : "[a-zA-Z\-\']*"</p> <p>LOWER_ALPHABETS – Supports the regular expression : "[a-z]*"</p> <p>UPPER_ALPHABETS – Supports the regular expression : "[A-Z]*"</p> <p>LOWER_ALPHABETS_WITH_SPACE – Supports the regular expression : "[a-z]*"</p> <p>UPPER_ALPHABETS_WITH_SPACE – Supports the regular expression : "[A-Z]*"</p> <p>ALPHANUMERIC_WITH_SPECIAL – Supports the regular expression : "[a-zA-Z0-9\#\%\&\:\;\)\(\._\'\-\/;]*"</p> <p>ALPHANUMERIC_WITH_SOME_SPECIAL – Supports the regular expression : "[a-zA-Z0-9</p>

		<p><code>\&:\\$\\,\\._?]*"</code></p> <p>SWIFT – Supports the regular expression : <code>"[a-zA-Z0-9\-\ \+:\,)\(\.\'?V]*"</code></p> <p>ALPHANUMERIC_WITH_ALL_SPECIAL – Supports the regular expression : <code>"[a-zA-Z0-9\-\ \+:\,)\(\.\\\$_\'\'?[\[\]\]]*"</code></p> <p>SPACE_WITH_ALL_SPECIAL – Supports the regular expression : <code>"[!\"#\$%&'()*+,\.\\/:; < = > \?@\[\]\]^_\'\' / ~ \\\\-]*"</code></p> <p>FREE_TEXT – Supports the regular expression : <code>"\.*"</code></p>
required	Identifies whether the value for the configuration item is mandatory.	<p><code>true</code> – mandatory to provide a value for the configuration item is mandatory.</p> <p><code>false</code> – not mandatory to provide a value for the configuration item is not</p>
extension.type	The type of validation extension applicable.	<p><code>length</code> – validate the length of the value of configuration item between <code>extension.options.min</code> and <code>extension.options.max</code></p>
message	The message to be displayed in case the validation of the configuration value fails.	Any String

If required, the above validations can be changed as per requirement.

[Home](#)

10. OBDX Product Verification

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

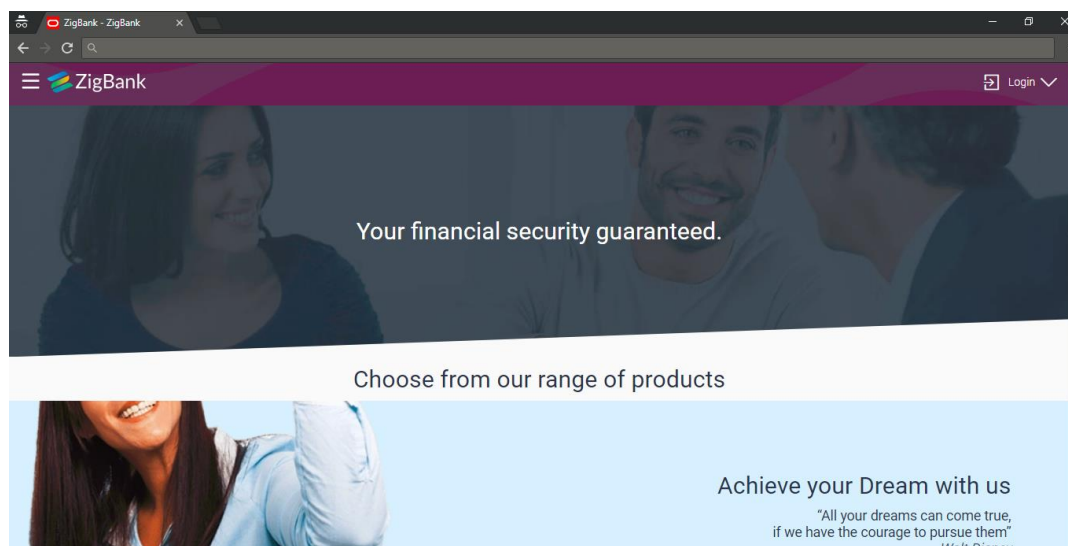
<input type="checkbox"/>	AuditMDBEAR	Active	✓ OK	Enterprise Application	obdx_cluster
<input type="checkbox"/>	BatchResourceAdapter	Active	✓ OK	Enterprise Application	obdx_cluster
<input type="checkbox"/>	com.ofss.digx.app.connector	Active	✓ OK	Enterprise Application	obdx_cluster
<input type="checkbox"/>	com.ofss.digx.infra.channel(18.2.0.0.0,1408)	Active		Library	obdx_cluster
<input type="checkbox"/>	obdx.app.core.domain(18.2.0.0.0,872)	Active		Library	AdminServer, obdx_cluster
<input type="checkbox"/>	obdx.app.core.patch(18.2.0.0.0,872)	Active		Library	AdminServer, obdx_cluster
<input type="checkbox"/>	obdx.app.domain(18.2.0.0.0,872)	Active		Library	AdminServer, obdx_cluster
<input type="checkbox"/>	obdx.app.framework(18.2.0.0.0,872)	Active		Library	AdminServer, obdx_cluster
<input type="checkbox"/>	obdx.app.mdb.report	Active	✓ OK	Enterprise Application	obdx_cluster
<input type="checkbox"/>	obdx.app.rest.idm	Active	✓ OK	Enterprise Application	obdx_cluster
<input type="checkbox"/>	obdx.app.timer	Active	✓ OK	Enterprise Application	obdx_cluster
<input type="checkbox"/>	obdx.exsystem.domain(18.2.0.0.0,872)	Active		Library	AdminServer, obdx_cluster
<input type="checkbox"/>	obdx.thirdparty.app.domain(18.2.0.0.0,872)	Active		Library	AdminServer, obdx_cluster

To login into application, new user needs to be created (if not already done) in OUD refer section Creating the Attributes, Object Class, Users, Groups and Adding Optional Attributes on LDAP Server of document “Oracle Banking Digital Experience Installer Pre-Requisite Setup Manual” mentioned in section 1.5 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 (OBDX 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 (OBDX 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

Oracle Banking Platform (OBDX with OBP)

Refer below document (Section 4 System Configuration – Host System as OBP Base and US LZN) for Day1 configuration required for integration with OBP

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

Oracle Banking Platform US LZN (OBDX with OBP US LZN)

Refer below document (Section 4 System Configuration – Host System as OBP Base and US LZN) for Day1 configuration required for integration

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

Oracle Financial Services Lending and Leasing (OBDX with OFSLL)

Refer below document (section 5.1 System Configuration) for Day1 configuration required for integration with OFSLL

Oracle Banking Digital Experience OFSLL Setup 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

[Home](#)

11. 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 obdx.app.rest.idm from deployments.

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

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

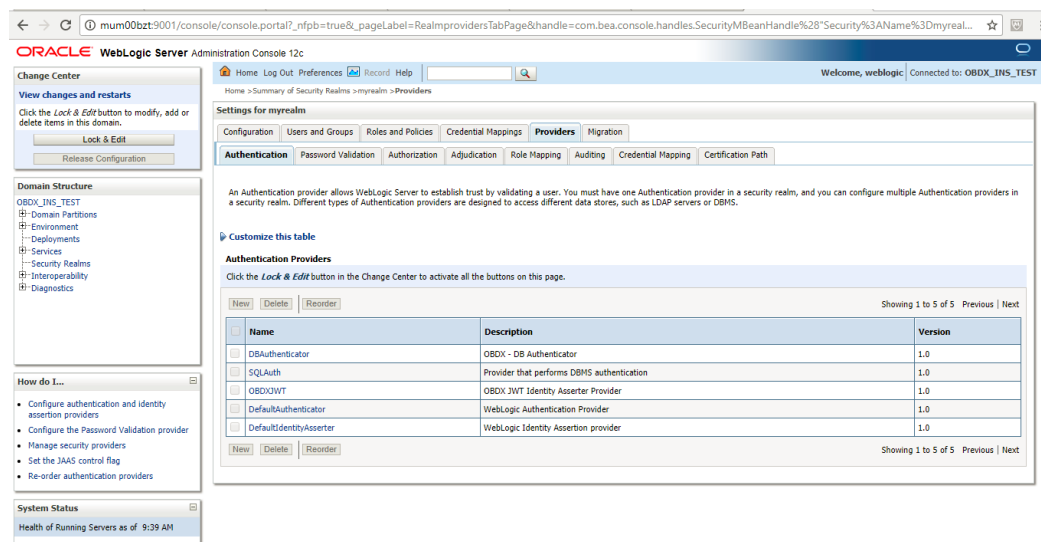
- **Security Realms**

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

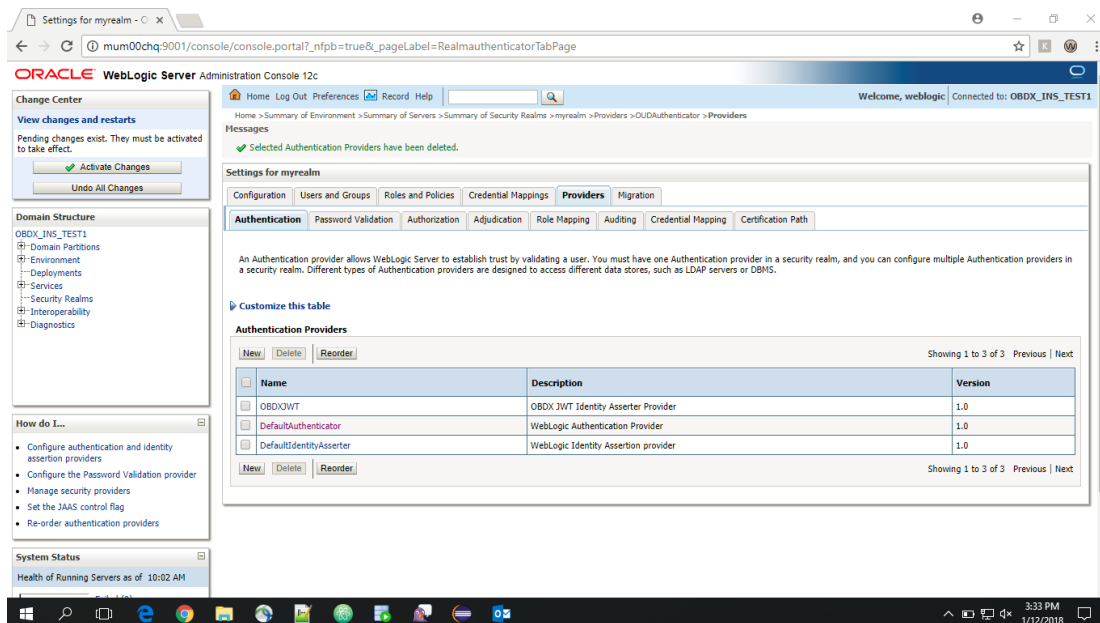
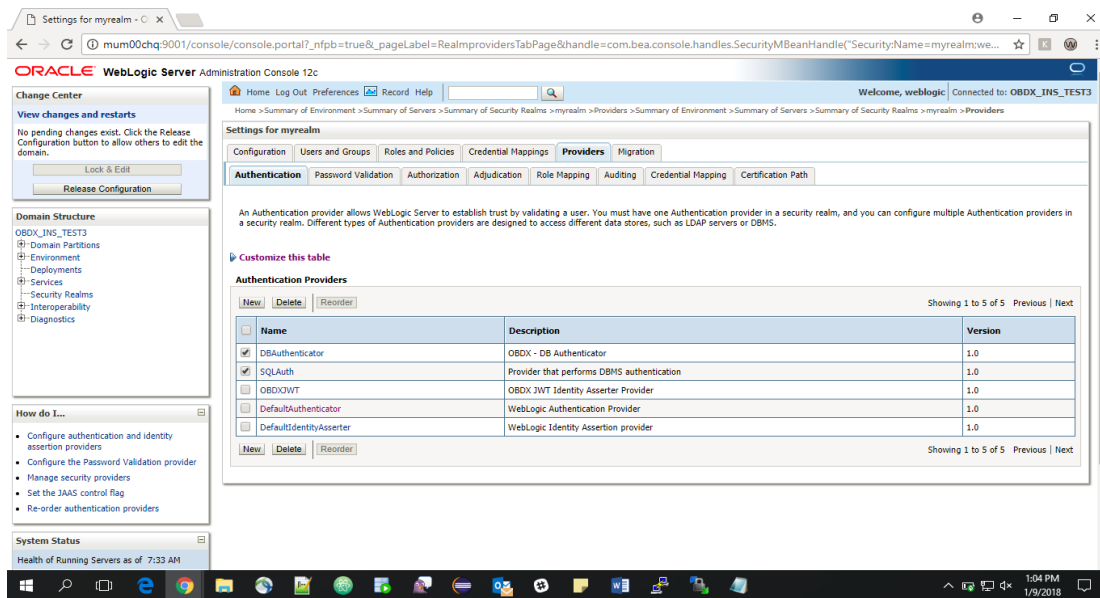
- To do this, ensure that the Admin Server is running. Login to the Weblogic Console for OBDX domain (created by Installer) using the following URL:

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

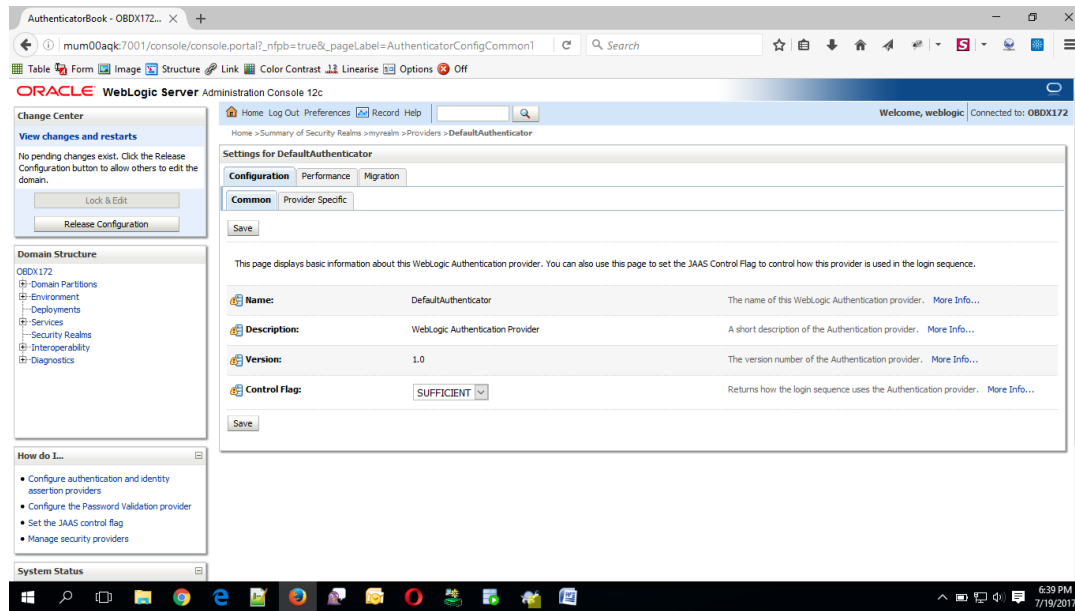
- Now, go to Security Realms > myrealm > Providers



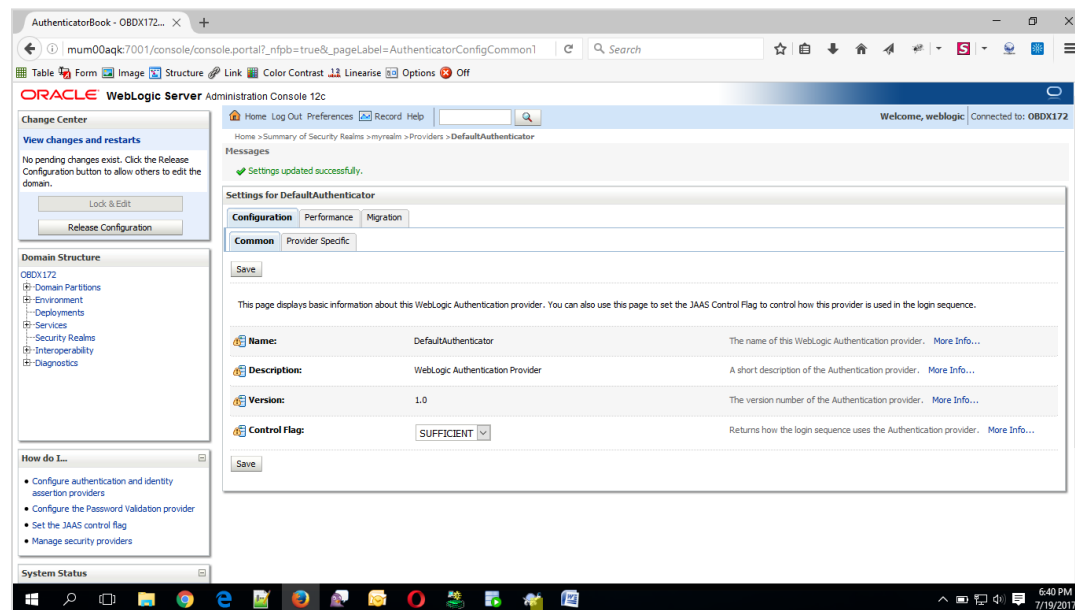
- Now click on “**Lock & Edit**” in order to edit the details.
- Delete the following Authenticators under providers-> **Authentication:**
 DBAuthenticator
 SQLAuth



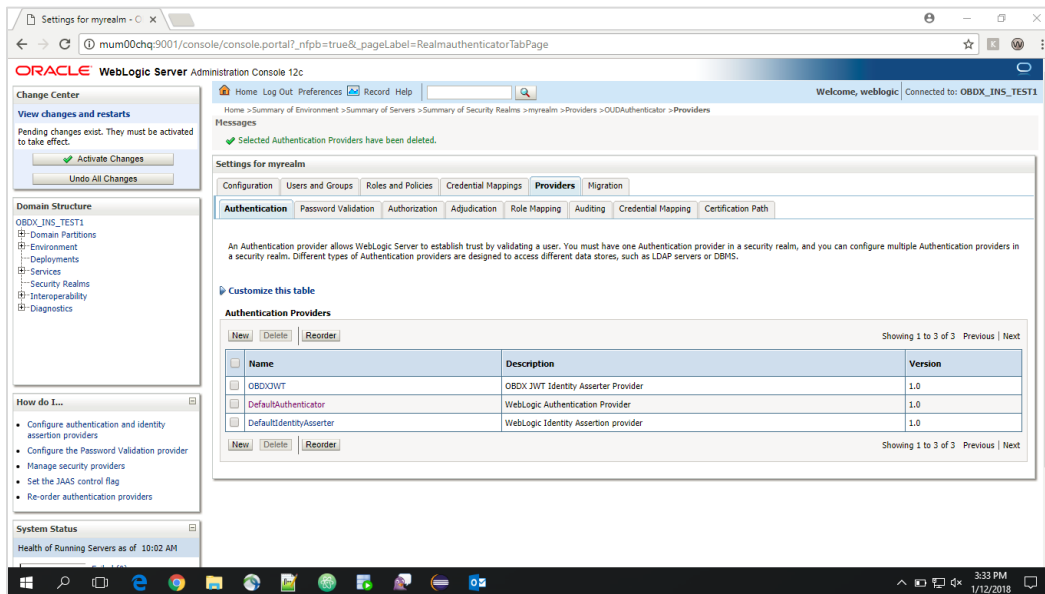
- Click on 'DefaultAuthenticator' provider and change the Control Flag to SUFFICIENT



- Click on Save button to save the changes



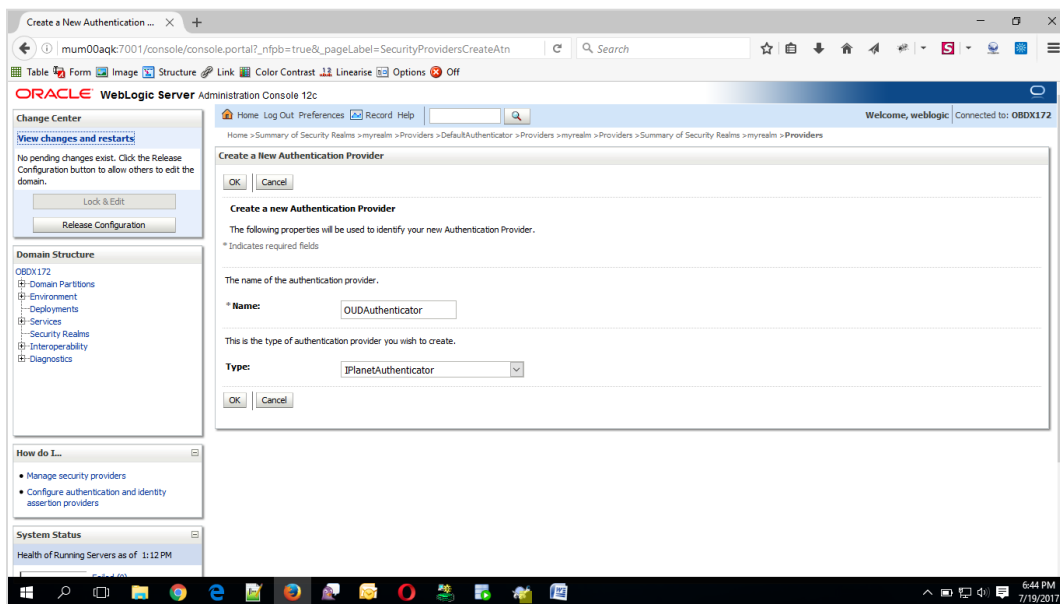
- Navigate Back to Security Realms > myrealm > Providers



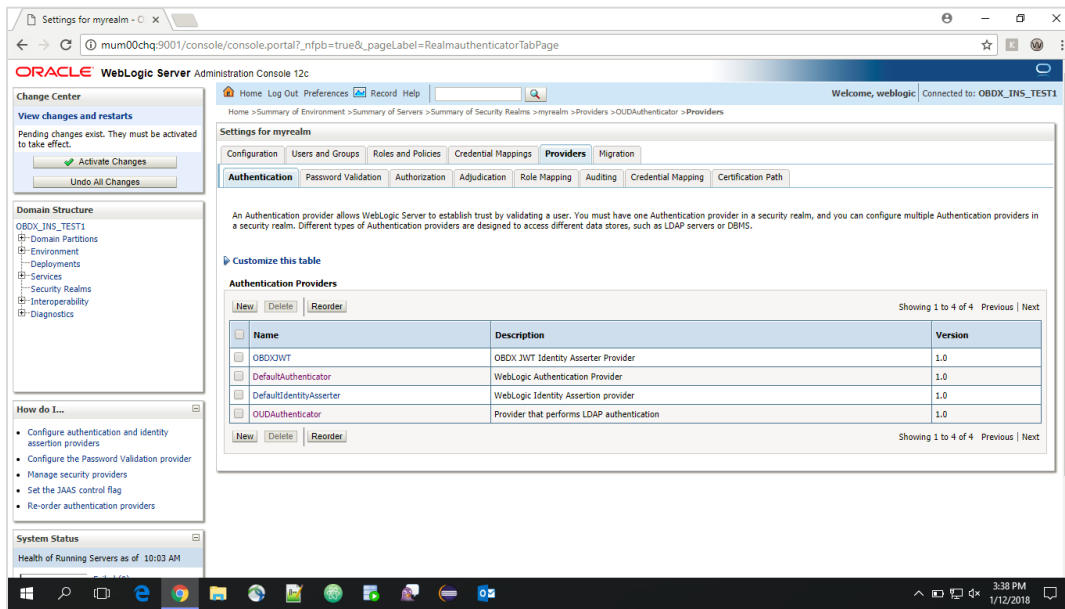
- Now, click on New and enter the below details and click Save.

Name : OUDAuthenticator

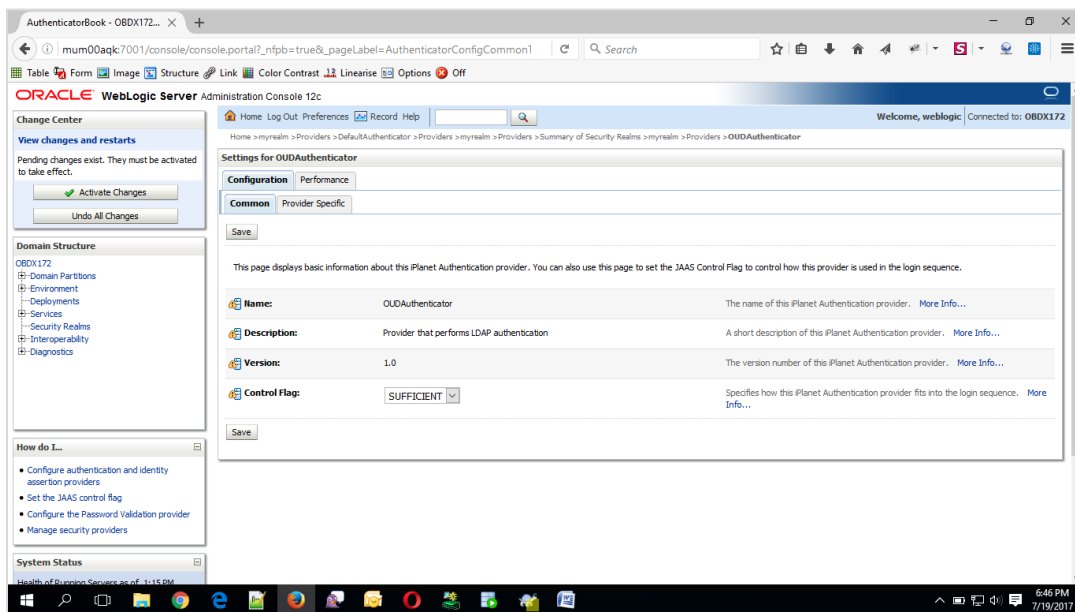
Type : OracleUnifiedDirectoryAuthenticator



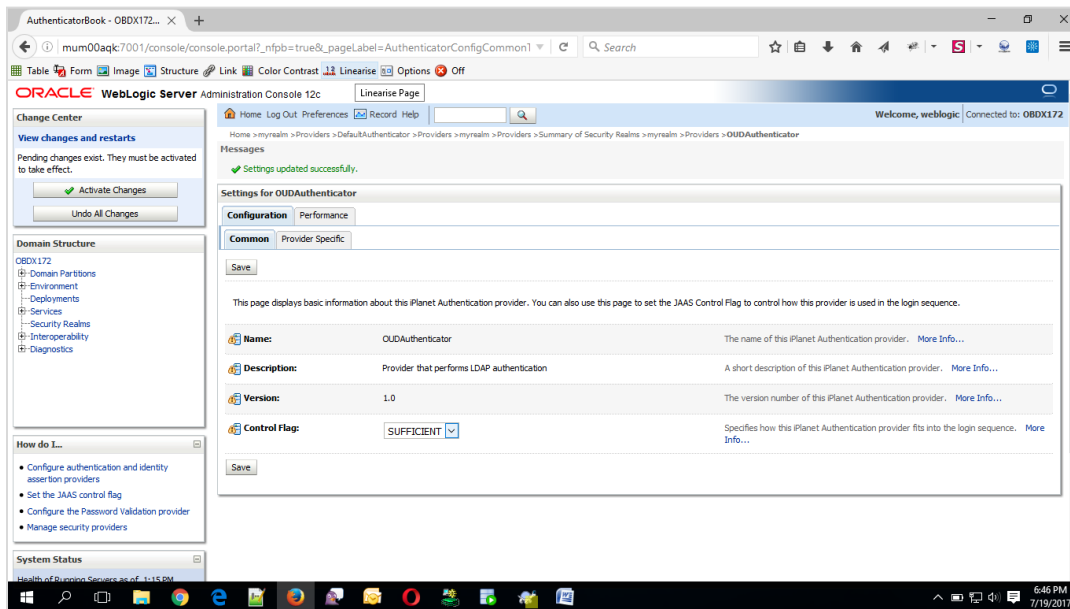
- Click on OK Button.



Now Click on OUDAuthenticator and select Control Flag as “SUFFICIENT”



- Click on Save Button.



- 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

AuthenticatorBook - OBDX172... X

mum00aak7001/console/console.portal?_nfpb=true&_pageLabel=AuthenticatorConfigProvid

Table Form Image Structure Link Color Contrast Linearise Options Off

Domain Structure

OBX172

- Domain Partitions
- Environment
- Deployments
- Services
- Security Realms
- Interoperability
- Diagnostics

How do I...?

- Configure authentication and identity assertion providers
- Manage security providers

System Status

Health of Running Servers as of 1:16 PM

- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (2)

Configuration Performance

Common Provider Specific

Save

Use this page to define the provider specific configuration for this Planet Authentication provider.

Connection

Host: num00aon.in.oracle.com The host name or IP address of the LDAP server. [More Info...](#)

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 connect to the LDAP server. [More Info...](#)

Credential: The credential (usually a password) used to connect to the LDAP server. [More Info...](#)

Confirm Credential: [More Info...](#)

☐ SSL Enabled Specifies whether the SSL protocol should be used when connecting to the LDAP server. [More Info...](#)

Users

User Base DN: dc=in,dc=oracle,dc=com The base distinguished name (DN) of the tree in the LDAP directory that contains users. [More Info...](#)

All Users Filter: If the attribute (user object class) is not specified (that is, if the attribute is null or empty), a default search filter is created based on the user schema. [More Info...](#)

User From Name Filter: (&(uid=%u)(objectclass=) If the attribute (user name attribute and user object class) is not specified (that is, if the attribute is null or empty), a default search filter is created based on the user schema. [More Info...](#)

AuthenticatorBook - OBDX172... X

mum00aak7001/console/console.portal?_nfpb=true&_pageLabel=AuthenticatorConfigProvid

Table Form Image Structure Link Color Contrast Linearise Options Off

GROUP SEARCH FOR USERS: [More Info...](#)

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)(objectclass=) 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 Info...](#)

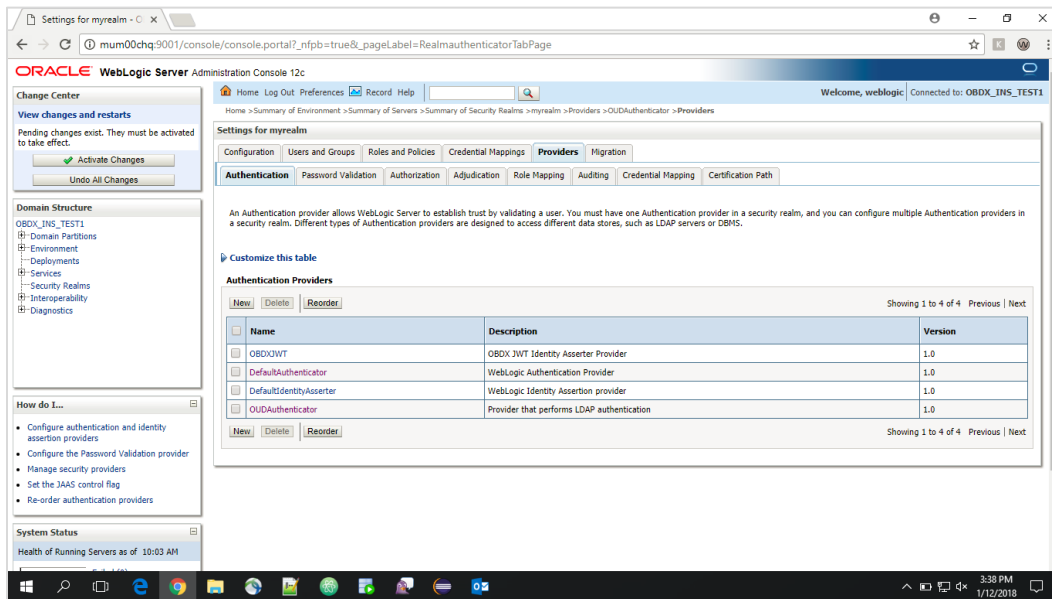
Group Membership Searching: unlimited Specifies whether group searches into nested groups are unlimited, limited or off. Valid values are unlimited, limited and off. [More Info...](#)

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 limited. Valid values are 0 and positive integers. 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

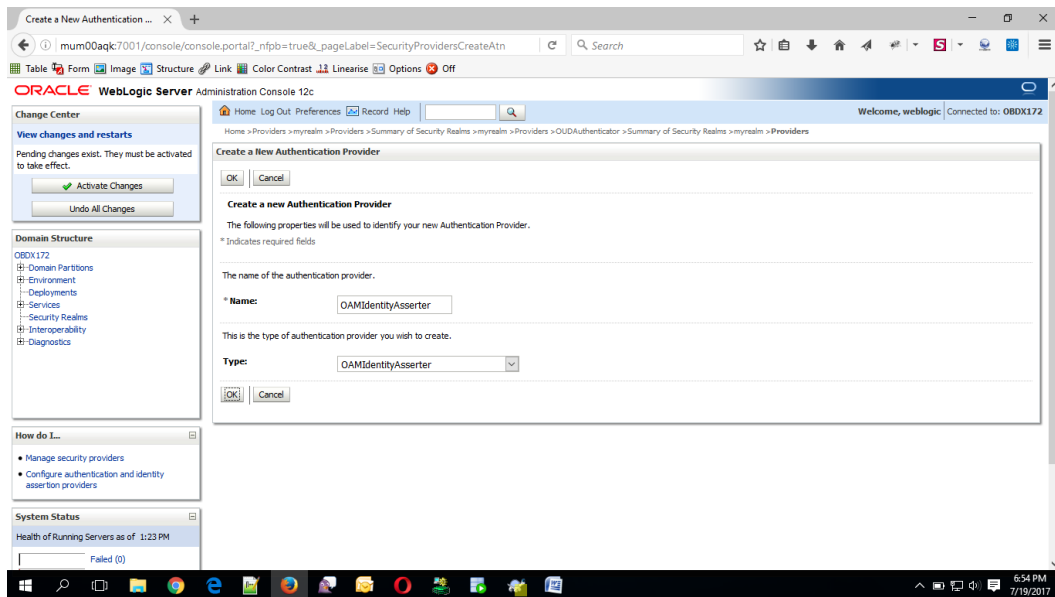
- Click on Save to update the changes.
- Navigate Back to Security Realms > myrealm > Providers



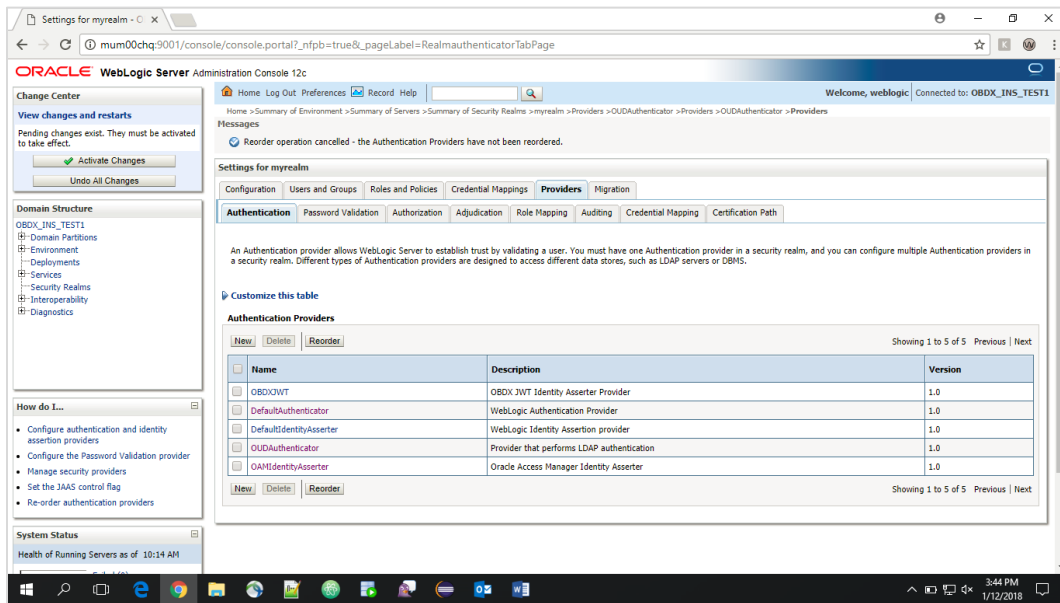
- Now, click on New and enter the below details and click Save.

Name : OAMIdentityAsserter

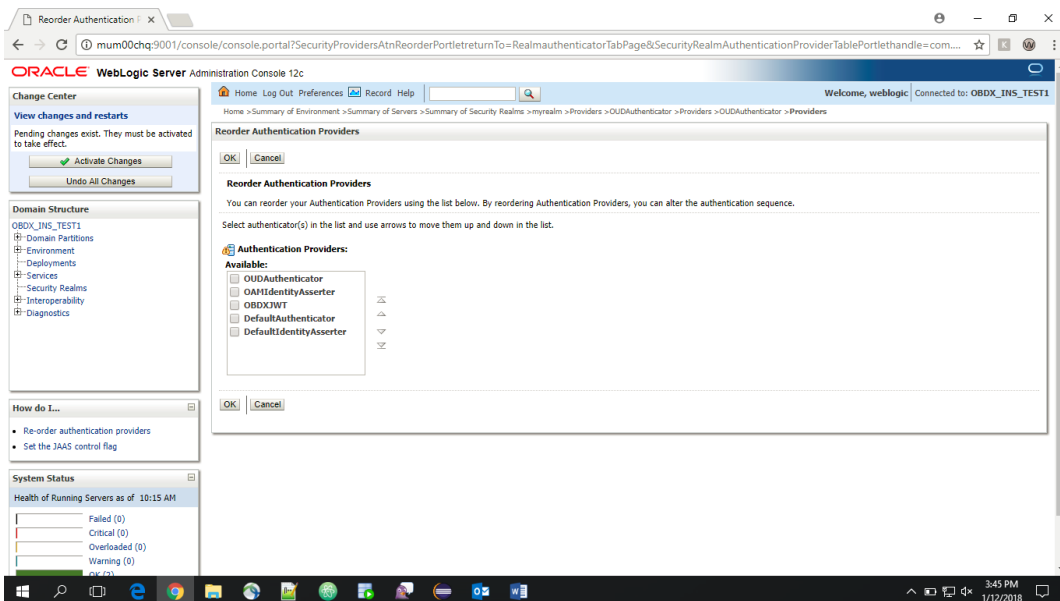
Type : OAMIdentityAsserter



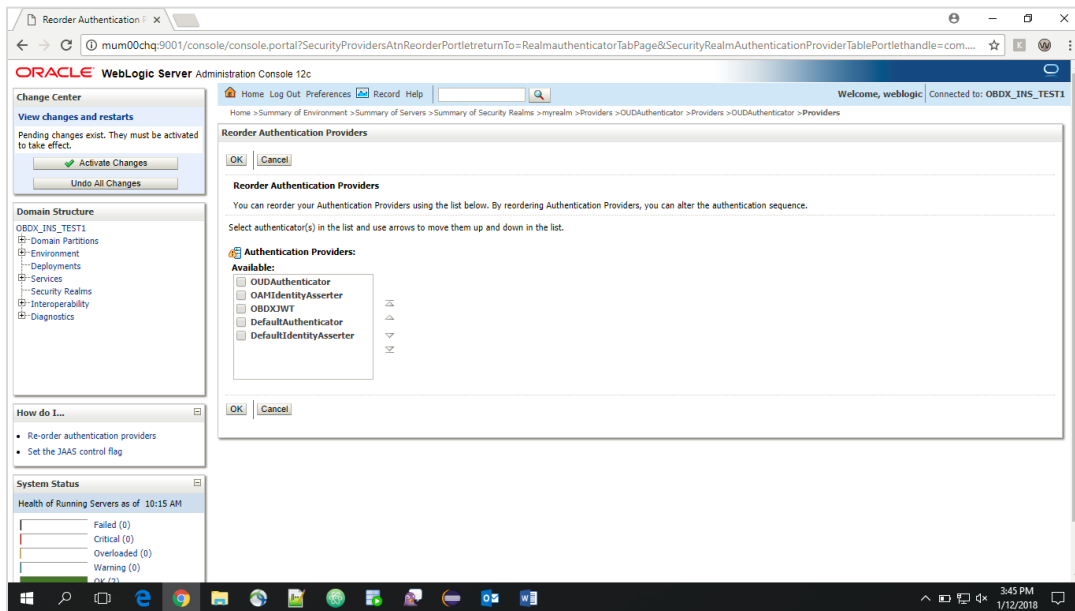
- Click on OK Button.



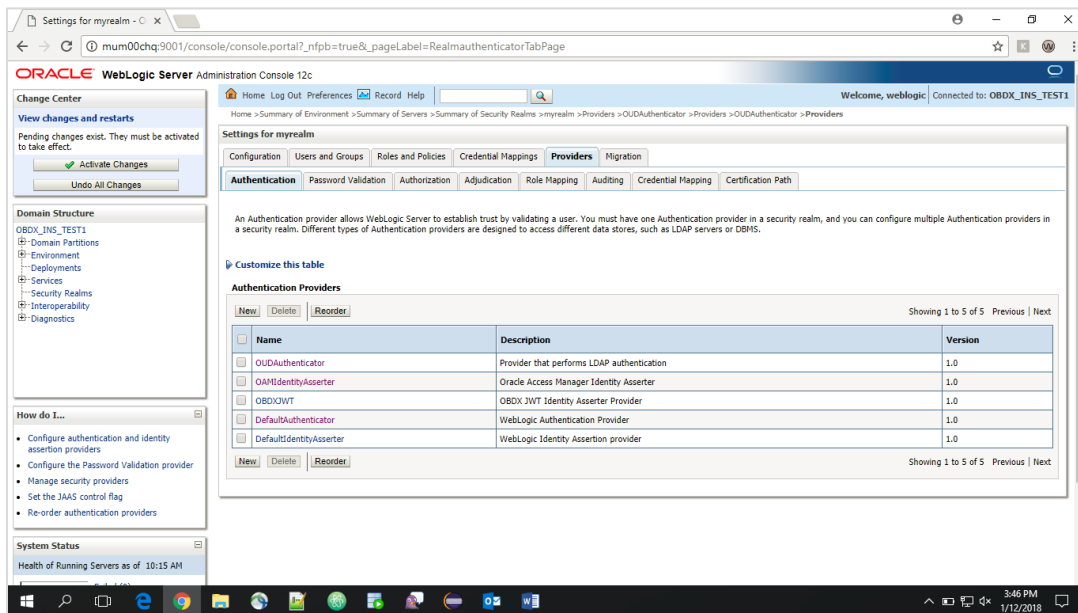
- Click on Reorder Button.



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



- Click on OK Button.



- Set the **OAuth URL** for **OBDSJWT**

Settings for OBDXJWT

Configuration

Common **Provider Specific**

Save

This page allows you to configure additional attributes for this security provider.

OAuth URL:

☐ **SSLEnabled**

Save

Sample OAuth URL: <http://<hostname>:<port>/oauth2/rest/token/info> (hostname and port should be replaced with OAM Server setup).

- Click on Activate Changes to apply the changes.

Settings for myrealm

Configuration | Users and Groups | Roles and Policies | Credential Mappings | **Providers** | Migration

Authentication | Password Validation | Authorization | Adjudication | Role Mapping | Auditing | Credential Mapping | Certification Path

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

Name	Description	Version
OUDAuthenticator	Provider that performs LDAP authentication	1.0
OAMIdentityAsserter	Oracle Access Manager Identity Asserter	1.0
OBDXJWT	OBDX JWT Identity Asserter Provider	1.0
DefaultAuthenticator	WebLogic Authentication Provider	1.0
DefaultIdentityAsserter	WebLogic Identity Assertion provider	1.0

Showing 1 to 5 of 5 Previous | Next

- 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"/>`


```

    </serviceInstance>
    <serviceInstance name="polycystore.db" provider="polycystore.provider">
      <propertySetRef ref="props.db.1"/>
    </serviceInstance>
  </serviceInstances>
  <jpsContexts default="default">
    <jpsContext name="default">
      <serviceInstanceRef ref="credstore.db"/>
      <serviceInstanceRef ref="keystore.db"/>
      <serviceInstanceRef ref="polycystore.db"/>
      <serviceInstanceRef ref="audit.db"/>
      <serviceInstanceRef ref="trust"/>
      <serviceInstanceRef ref="pdp.service"/>
      <serviceInstanceRef ref="attribute"/>
      <serviceInstanceRef ref="idstore.custom"/>
    </jpsContext>
    <jpsContext name="bootstrap_credstore_context">
      <serviceInstanceRef ref="bootstrap_credstore"/>
      <serviceInstanceRef ref="keystore"/>
    </jpsContext>
    <jpsContext name="bootstrap_credstore_context_local">
      <serviceInstanceRef ref="bootstrap_credstore.local"/>
    </jpsContext>
  </jpsContexts>
</jpsConfig>

```

```

    <serviceInstance name="polycystore.db" provider="polycystore.provider">
      <propertySetRef ref="props.db.1"/>
    </serviceInstance>
  </serviceInstances>
  <jpsContexts default="default">
    <jpsContext name="default">
      <serviceInstanceRef ref="credstore.db"/>
      <serviceInstanceRef ref="keystore.db"/>
      <serviceInstanceRef ref="polycystore.db"/>
      <serviceInstanceRef ref="audit.db"/>
      <serviceInstanceRef ref="trust"/>
      <serviceInstanceRef ref="pdp.service"/>
      <serviceInstanceRef ref="attribute"/>
      <serviceInstanceRef ref="idstore.ldap"/>
    </jpsContext>
    <jpsContext name="bootstrap_credstore_context">
      <serviceInstanceRef ref="bootstrap_credstore"/>
      <serviceInstanceRef ref="keystore"/>
    </jpsContext>
    <jpsContext name="bootstrap_credstore_context_local">
      <serviceInstanceRef ref="bootstrap_credstore.local"/>
    </jpsContext>
  </jpsContexts>
</jpsConfig>

```

- 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 OBDX Schema:

```

update DIGX_FW_CONFIG_ALL_B set prop_value =
'ipm1.0,ORACLEBI12.2.1.2,GENERIC1.0,OAM122130,LOUD1.0' where prop_id = '01' and category_id =
'extxfacadapterconfig';

```

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 Administration Console 12c

Home > Summary of Security Realms > myrealm > Providers > Users and Groups

Welcome, weblogic Connected to: OBDX_INS_TEST

Settings for myrealm

Configuration **Users and Groups** Roles and Policies Credential Mappings Providers Migration

Users Groups

This page displays information about each user that has been configured in this security realm.

Some results are not displayed because there are too many matches. Please customize this table to specify more specific criteria. Note: The authentication provider named OAMIdentityAsserter does not support viewing or managing its users through the WebLogic console.

Customize this table

Users (Filtered - More Columns Exist)

Name	Description	Provider
000800		ODU
000801		ODU
1207payday1@o.com		ODU
1207payday2@o.com		ODU
1207payday3@o.com		ODU
1207payday4@o.com		ODU
1207payday5@o.com		ODU
1207payday6@o.com		ODU
1207payday7@o.com		ODU
1207payday8@o.com		ODU
1207payday9@o.com		ODU
1207payday10@o.com		ODU
1207payday11@o.com		ODU
1207payday12@o.com		ODU
1207payday13@o.com		ODU
1207payday14@o.com		ODU
1207payday15@o.com		ODU
1207payday16@o.com		ODU
1207payday17@o.com		ODU
1207payday18@o.com		ODU
1207payday19@o.com		ODU
1207payday20@o.com		ODU
1207payday21@o.com		ODU
1207payday22@o.com		ODU
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1207payday25@o.com		ODU
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1207payday27@o.com		ODU
1207payday28@o.com		ODU
1207payday29@o.com		ODU
1207payday30@o.com		ODU
1207payday31@o.com		ODU
1207payday32@o.com		ODU
1207payday33@o.com		ODU
1207payday34@o.com		ODU
1207payday35@o.com		ODU
1207payday36@o.com		ODU
1207payday37@o.com		ODU
1207payday38@o.com		ODU
1207payday39@o.com		ODU
1207payday40@o.com		ODU
1207payday41@o.com		ODU
1207payday42@o.com		ODU
1207payday43@o.com		ODU
1207payday44@o.com		ODU
1207payday45@o.com		ODU
1207payday46@o.com		ODU
1207payday47@o.com		ODU
1207payday48@o.com		ODU
1207payday49@o.com		ODU
1207payday50@o.com		ODU
1207payday51@o.com		ODU
1207payday52@o.com		ODU
1207payday53@o.com		ODU
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1207payday55@o.com		ODU
1207payday56@o.com		ODU
1207payday57@o.com		ODU
1207payday58@o.com		ODU
1207payday59@o.com		ODU
1207payday60@o.com		ODU
1207payday61@o.com		ODU
1207payday62@o.com		ODU
1207payday63@o.com		ODU
1207payday64@o.com		ODU
1207payday65@o.com		ODU
1207payday66@o.com		ODU
1207payday67@o.com		ODU
1207payday68@o.com		ODU
1207payday69@o.com		ODU
1207payday70@o.com		ODU
1207payday71@o.com		ODU
1207payday72@o.com		ODU
1207payday73@o.com		ODU
1207payday74@o.com		ODU
1207payday75@o.com		ODU
1207payday76@o.com		ODU
1207payday77@o.com		ODU
1207payday78@o.com		ODU
1207payday79@o.com		ODU
1207payday80@o.com		ODU
1207payday81@o.com		ODU
1207payday82@o.com		ODU
1207payday83@o.com		ODU
1207payday84@o.com		ODU
1207payday85@o.com		ODU
1207payday86@o.com		ODU
1207payday87@o.com		ODU
1207payday88@o.com		ODU
1207payday89@o.com		ODU
1207payday90@o.com		ODU
1207payday91@o.com		ODU
1207payday92@o.com		ODU
1207payday93@o.com		ODU
1207payday94@o.com		ODU
1207payday95@o.com		ODU
1207payday96@o.com		ODU
1207payday97@o.com		ODU
1207payday98@o.com		ODU
1207payday99@o.com		ODU
1207payday100@o.com		ODU

Showing 1 to 10 of 1000 Previous Next

Oracle WebLogic Server Administration Console 12c

Home > Summary of Security Realms > myrealm > Providers > Users and Groups

Welcome, weblogic Connected to: OBDX_INS_TEST

Settings for myrealm

Configuration **Users and Groups** Roles and Policies Credential Mappings Providers Migration

Users Groups

This page displays information about each group that has been configured in this security realm.

Note: The authentication provider named OAMIdentityAsserter does not support viewing or managing its groups through the WebLogic console.

Customize this table

Groups

Name	Description	Provider
AdminChannelUsers	AdminChannelUsers can access the admin channel.	DefaultAuthenticator
AdminChecker		ODU
Administrator		ODU
Administrators		ODU
Administrators	Administrators can view and modify all resource attributes and start and stop servers.	DefaultAuthenticator
AdminMaker		ODU
AppTesters	AppTesters group.	DefaultAuthenticator
AuthAdmin		ODU
Checker		ODU
CorporateAdminChecker		ODU

Showing 1 to 10 of 22 Previous Next

[Home](#)

12. Multi Entity

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

- Add entity through OBDX Web application, using
 - User Manual Oracle Banking Digital Experience System Configuration User Manual
- Running OBDX 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.

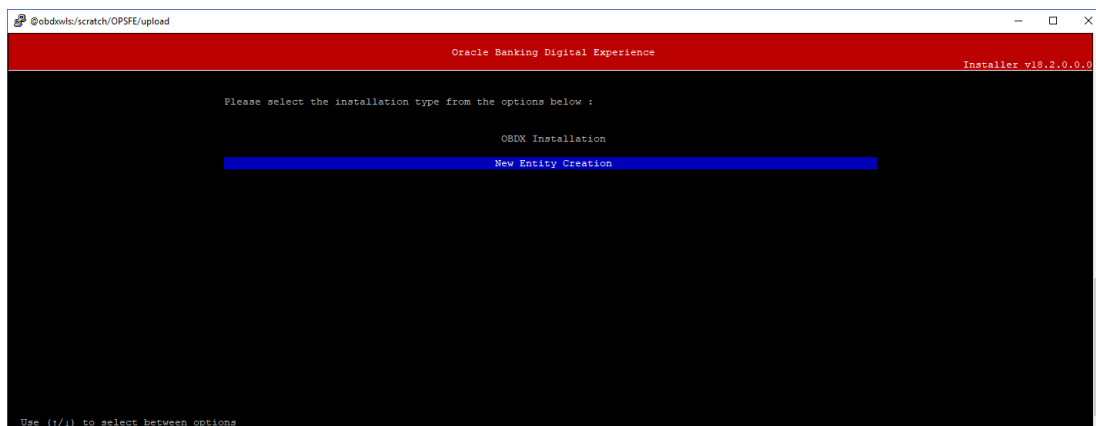
Login with OS user which was used to perform OBDX software installation (or has ownership on Oracle Weblogic home directory)

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

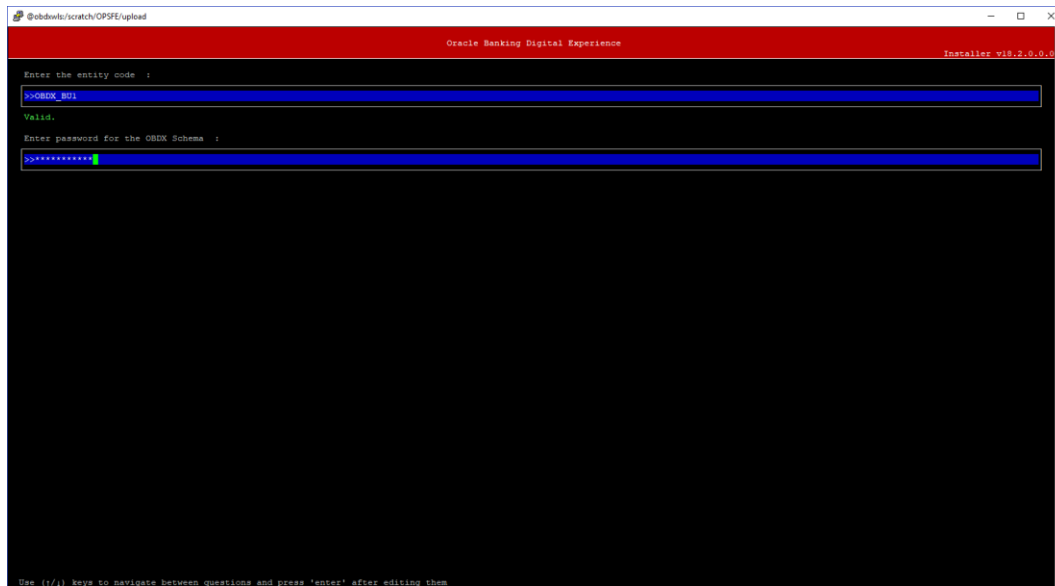
- From your terminal navigate to <OBX INSTALLER DIR>
- Enter the following command

python runInstaller.py

Select installation type as 'New Entity Creation'



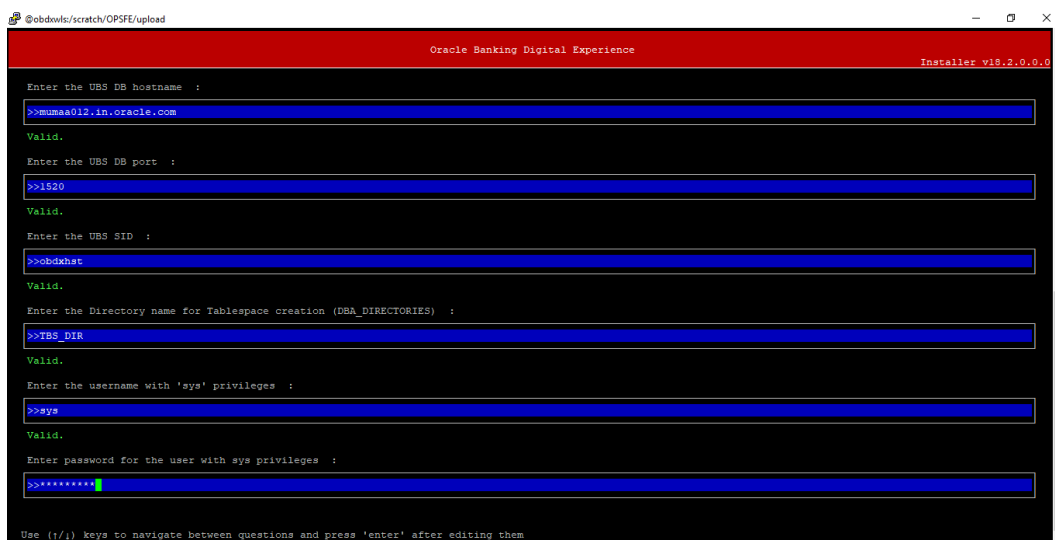
Below screen will appear after selecting add entity



Enter below information:

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

If an entity code belongs to UBS host following screen will appear:



```

Oracle Banking Digital Experience
Installer v18.2.0.0.0

Valid.
Enter the UBS DB port :
>>1520
Valid.
Enter the UBS SID :
>>obdwhst.in.oracle.com
Valid.
Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :
>>TBS_DIR
Valid.
Enter the username with 'sys' privileges :
>>sys
Valid.
Enter password for the user with sys privileges :
>>*****
Valid.
Enter existing weblogic admin password :
>>*****
Valid.
Use (/;) keys to navigate between questions and press 'enter' after editing them

```

Enter below details:

- Hostname of the UBS database host server
- Port of the UBS database host server
- UBS 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

```

Oracle Banking Digital Experience
Installer v18.2.0.0.0

Enter the existing UBS schema name :
>>FCUBS140
Valid.
Enter the password for existing UBS schema :
>>*****
Valid.
Enter new UBS schema name :
>>OPSUBS14E1
Valid.
Enter new schema password :
>>*****
Valid.
Enter country code :
>>ATS
Valid.
Use (/;) keys to navigate between questions and press 'enter' after editing them

```

Enter below details:

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

Installation Status in case of UBS

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

```
@obdxwls/scratch/OPSE/upload
[devops@obdxwls upload]$ python runInstaller.py
Starting UBS Database Installation...
Creating Tablespace...
Tablespace Created
Creating User...
User Created
Creating Roles...
Roles Created
Execution of table-scripts.sql started
Execution of table-scripts.sql completed
Execution of uba_object_scripts.sql started
Execution of uba_object_scripts.sql completed
Execution of execute-seeds.sql started
Execution of execute-seeds.sql completed
SUCCESSFULLY installed UBS database

Starting Entity Configuration

Calling WLST

Initializing WebLogic Scripting Tool (WLST) ...

Welcome to WebLogic Server Administration Scripting Shell

Type help() for help on available commands

Connecting to t3://obdxwls.in.oracle.com:57001 with userid weblogic ...
Successfully connected to Admin Server "AdminServer" that belongs to domain "OBDX182_UBS140".

Warning: An insecure protocol was used to connect to the server.
To ensure on-the-wire security, the SSL port or Admin port should be used instead.

Location changed to edit tree.
This is a writable tree with DomainMBean as the root.
To make changes you will need to start an edit session via startEdit().
For more help, use help('edit').

Creating Data source OBDX_BUI_BIAI
Starting an edit session ...
Started edit session, be sure to save and activate your changes once you are done.
Activating all your changes, this may take a while ...
```

When the installation completes, the below message is displayed

```
Connecting to t3://obdxwls.in.oracle.com:57001 with userid weblogic ...
Successfully connected to Admin Server "AdminServer" that belongs to domain "OBDX182_UBS140".

Warning: An insecure protocol was used to connect to the server.
To ensure on-the-wire security, the SSL port or Admin port should be used instead.

Location changed to edit tree.
This is a writable tree with DomainMBean as the root.
To make changes you will need to start an edit session via startEdit().
For more help, use help('edit').

Creating Data source OBDX_BUI_BIAI
Starting an edit session ...
Started edit session, be sure to save and activate your changes once you are done.
Activating all your changes, this may take a while ...
The edit lock associated with this edit session is released once the activation is completed.
Activation completed
OBDX_BUI_BIAI created successfully.

Exiting WebLogic Scripting Tool.

Entity successfully configured.
```

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 (OBDX with UBS)).

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

```
[devops@          upload]$ python runInstaller.py
Execution of DB script for OBDX_BU2 started
Execution completed.
[devops@          upload]$
```

Other steps should be followed from < > installation document

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

```
[devops@          upload]$ python runInstaller.py
No additional BIAl and weblogic configuration
[devops@          upload]$
```

No additional steps/ configuration are required.

If an entity code belongs to Oracle Financial Services Lending and Leasing host following screen will appear:

```
[devops@          upload]$ python runInstaller.py
Execution of DB script for OBDX_BU1 started
Execution completed.
[devops@          upload]$
```

No additional steps/ configuration are required.

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

Oracle Banking Digital Experience
Installer v19.2.0.0.0

Enter the FCORE DB hostname :

 Valid.

Enter the FCORE DB port :

 Valid.

Enter the FCORE SID :

 Valid.

Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :

 Valid.

Enter the username with 'sys' privileges :

 Valid.

Enter password for the user with sys privileges :

 Valid.

Enter existing weblogic admin password :

 Valid.

Use (/;) 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

Oracle Banking Digital Experience
Installer v19.2.0.0.0

Enter the existing FCR schema name :

 Valid.

Enter the existing FCUB3 schema name :

 Valid.

Enter new FCORE schema name :

 Valid.

Enter new schema password :

 Valid.

Use (/;) 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.

```

@obdewls/scratch/OPSE/upload
(develop@obdewls upload) python runInstaller.py
Starting FCORE Database Installation...
Creating Tablespace...
Tablespace Created
Creating User...
User Created
Creating Roles...
Roles Created
Execution of table-scripts.sql started
Execution of table-scripts.sql completed
Execution of fcore_object_scripts.sql started
Execution of fcore_object_scripts.sql completed
Execution of execute-seeds.sql started
Execution of execute-seeds.sql completed
SUCCESSFULLY installed FCORE database

Starting Entity Configuration
Calling WLST
Initializing WebLogic Scripting Tool (WLST) ...
Welcome to WebLogic Server Administration Scripting Shell
Type help() for help on available commands

Connecting to t3://obdewls.in.oracle.com:57001 with userid weblogic ...
Successfully connected to Admin Server "AdminServer" that belongs to domain "ORHX12_FCORE".
Warning: An insecure protocol was used to connect to the server.
To ensure on-the-wire security, the SSL port or Admin port should be used instead.

Location changed to edit tree.
This is a writable tree with DomainMBean as the root.
To make changes you will need to start an edit session via startEdit().
For more help, use help("edit").

Creating Data source ORDX_BUI_BIAI
Starting an edit session ...
Started edit session. Be sure to save and activate your changes once you are done.
Activating all your changes, this may take a while ...
The edit lock associated with this edit session is released once the activation is completed.
Activation completed.
ORDX_BUI_BIAI created successfully.

Exiting WebLogic Scripting Tool.

Entity successfully configured.
(develop@obdewls upload) █

```

No additional steps/ configuration are required.

If an entity code belongs to Oracle FLEXCUBE Universal Banking with Oracle Banking Payments host following screen will appear:

Oracle Banking Digital Experience
Installer v18.2.0.0.0

Enter the OBPM DB hostname :
 > muma012.in.oracle.com
 Valid.

Enter the OBPM DB port :
 > 1520
 Valid.

Enter the OBPM SID :
 > obdshat.in.oracle.com
 Valid.

Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :
 > TBS_DIR
 Valid.

Enter the username with 'sys' privileges :
 > sys
 Valid.

Enter password for the user with sys privileges :
 > *****
 Valid.

Enter existing weblogic admin password :
 > *****
 Valid.

Use (/;) keys to navigate between questions and press 'enter' after editing them

Enter below details:

- Hostname of the OBPM database host server
- Port of the OBPM database host server
- OBPM 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 OBPM schema would be created
- Weblogic console administrator user password

Oracle Banking Digital Experience
Installer v18.2.0.0.0

Enter the existing OBPM schema name :
 > FC08B140
 Valid.

Enter the password for existing OBPM schema :
 > *****
 Valid.

Enter new OBPM schema name :
 > QESOBPMDET1
 Valid.

Enter new schema password :
 > *****
 Valid.

Enter country code :
 > IN
 Valid.

Use (/;) keys to navigate between questions and press 'enter' after editing them

Enter below details:

- EXISTING OBPM HOST schema name
- EXISTING OBPM HOST password
- Complete EHMS (HostInterface) schema name you want installer to create as new schema
- Password for New EHMS schema
- Enter Country code for Additional entity

Installation status for OBPM Add entity

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

```

@obdwlz/scratch/OPSE/upload
[devops@obdwlz upload]$
[devops@obdwlz upload]$
[devops@obdwlz upload]$ python runInstaller.py
Starting OBPM Database Installation...
Creating Tablespace...
Tablespace Created
Creating User...
User Created
Creating Roles...
Roles Created
Execution of table-scripts.sql started
Execution of table-scripts.sql completed
Execution of obpm_object_scripts.sql started
Execution of obpm_object_scripts.sql completed
Execution of execute-seeds.sql started
Execution of execute-seeds.sql completed
SUCCESSFULLY installed OBPM database
Starting Entity Configuration
Calling WLST
Initializing WebLogic Scripting Tool (WLST) ...
Welcome to WebLogic Server Administration Scripting Shell
Type help() for help on available commands
Connecting to t3://obdwlz.in.oracle.com:57001 with userid weblogic ...
Successfully connected to Admin Server "AdminServer" that belongs to domain "OBDM102_OBPM".
Warning: An insecure protocol was used to connect to the server.
To ensure on-the-wire security, the SSL port or Admin port should be used instead.
Location changed to edit tree.
This is a writable tree with DomainBean as the root.
To make changes you will need to start an edit session via startEdit().
For more help, use help('edit').
Creating Data source OBPM_BUI_BIAI
Starting an edit session ...
Started edit session, be sure to save and activate your changes once you are done.
Activating all your changes, this may take a while ...
The edit lock associated with this edit session is released once the activation is completed.
Activation completed
OBPM_BUI_BIAI created successfully.
Exiting WebLogic Scripting Tool.
Entity successfully configured.
[devops@obdwlz upload]:

```

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 (OBPM)).

13. Multi-entity installation using Silent Mode

This chapter describes how to run the OBDX 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 OBDX 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=hostname.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]$ export ENTITY_EHMS_DATABASE_SYS_PASS=welcomel
OBDX_Installer]$ export ENTITY_EHMS_SCHEMA_NAME=welcomel
OBDX_Installer]$ export ENTITY_EHMS_SCHEMA_PASS=welcomel
OBDX_Installer]$ export ENTITY_EHMS_HOST_SCHEMA_NAME=FCUBS140
OBDX_Installer]$ export ENTITY_EHMS_HOST_SCHEMA_NAME_PASS=welcomel
OBDX_Installer]$ export WLS_DOMAIN_PASS=welcomel
OBDX_Installer]$ export ENTITY_EHMS_HOST_SCHEMA_NAME_PASS=FCUBS140
OBDX_Installer]$ export ENTITY_EHMS_CCY=GB
OBDX_Installer]$ python runInstaller.py --silent --addEntity
  
```

Below parameters should be set in environment variables

	Parameter	Description	Example
Environment variables to set for flavor: FCORE UBS (14.0.0.0.0 and 12.4.0.0.0 release) OBPM	Entity_Code	Entity code which has been entered from screen	export Entity_Code=OBDX_BU7
	SCHEMA_PASS	Password for existing OBDX schema	export SCHEMA_PASS=devops#obdx182
	ENTITY_EHMS_DATABASE_HOSTNAME	Hostname of the EHMS HOST database host server	export ENTITY_EHMS_DATABASE_HOSTNAME=mumaa012.in.oracle.com
	ENTITY_EHMS_DATABASE_PORT	Port of the EHMS HOST database host server	export ENTITY_EHMS_DATABASE_PORT=1521
	ENTITY_EHMS_DATABASE_SID	EHMS Host database Service Name	export ENTITY_EHMS_DATABASE_SID=obdxdb.in.oracle.com
	ENTITY_EHMS_DBA_DIRECTORY_NAME	Oracle Directory name in which you want the EHMS (HostInterface) schema datafile (dbf). Enter only the name and NOT the path	export ENTITY_EHMS_DBA_DIRECTORY_NAME=TBS_DIR
	ENTITY_EHMS_DATABASE_SYS_USER	Username with 'sys' privileges	export ENTITY_EHMS_DATABASE_SYS_USER=sys
	ENTITY_EHMS_DATABASE_SYS_PASS	Password for EHMS sys user	export ENTITY_EHMS_DATABASE_SYS_PASS=devops@sys
	ENTITY_EHMS_SCHEMA_NAME	Complete EHMS (HostInterface) schema name you want installer to	export ENTITY_EHMS_SCHEMA_NAME=OBDXEHMS

		create as new schema.	
	ENTITY_EHMS_SCHEMA_PASS	Password for new EHMS schema on EHMS HOST database	export ENTITY_EHMS_SCHEMA_PASS=devops#ehms
	ENTITY_EHMS_HOST_SCHEMA_NAME	EXISTING EHMS Host schema name	export ENTITY_EHMS_HOST_SCHEMA_NAME=EHMSHOST
	ENTITY_EHMS_HOST_SCHEMA_NAME_PASS **This parameter is only required for UBS & OBPM Host	Password of existing HOST EHMS schema (Existing)	export ENTITY_EHMS_HOST_SCHEMA_NAME_PASS=ehmshst
	WLS_DOMAIN_PASS	Password for Weblogic admin console	export WLS_DOMAIN_PASS=weblogic182
	ENTITY_EHMS_CCY **This parameter is only required for UBS & OBPM Host	Country Code for new or additional entity home branch	export ENTITY_EHMS_CCY=GB
	ENTITY_EHMS_FCORE_FCUBS_SCHEMA_NAME **This parameter is only required for FCORE	FCORE-FCUBS HOST schema name	export ENTITY_EHMS_FCORE_FCUBS_SCHEMA_NAME=FCRUBSHOST
Environment variables to set for flavor: OBDX (Third-party HOST) OFSLL OBP	Entity_Code	Entity code which has been entered from screen	export Entity_Code=OBDX_BU1
	SCHEMA_PASS	Password for existing OBDX 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.py --silent --addEntity
```

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.

```
Execution of table-scripts.sql started
Execution of table-scripts.sql completed
Execution of ubs_object_scripts.sql started
Execution of ubs_object_scripts.sql completed
Execution of execute-seeds.sql started
Execution of execute-seeds.sql completed
SUCCESSFULLY installed UBS124 database

Starting Entity Configuration

Calling WLST

Initializing WebLogic Scripting Tool (WLST) ...

Welcome to WebLogic Server Administration Scripting Shell

Type help() for help on available commands

Connecting to t3://obdxwls.in.oracle.com:9001 with userid weblogic ...
Successfully connected to Admin Server "AdminServer" that belongs to domain "OBDX182_UBS140_SILENT".

Warning: An insecure protocol was used to connect to the server.
To ensure on-the-wire security, the SSL port or Admin port should be used instead.

Location changed to edit tree.
This is a writable tree with DomainMBean as the root.
To make changes you will need to start an edit session via startEdit().
For more help, use help('edit').

Creating Data source OBDX_BU7_B1A1
Starting an edit session ...
Started edit session, be sure to save and activate your changes once you are done.
Activating all your changes, this may take a while ...
The edit lock associated with this edit session is released once the activation is completed.
Activation completed
OBDX_BU7_B1A1 created successfully.

Exiting WebLogic Scripting Tool.
```

When the installation completes, the below message is displayed

```

Warning: An insecure protocol was used to connect to the server.
To ensure on-the-wire security, the SSL port or Admin port should be used instead.

Location changed to edit tree.
This is a writable tree with DomainMBean as the root.
To make changes you will need to start an edit session via startEdit().
For more help, use help('edit').

Creating Data source OBDX_BUI_BIAl
Starting an edit session ...
Started edit session, be sure to save and activate your changes once you are done.
Activating all your changes, this may take a while ...
The edit lock associated with this edit session is released once the activation is completed.
Activation completed
OBDX_BUI_BIAl created successfully.

Exiting WebLogic Scripting Tool.

Entity successfully configured.

```

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 (OBDX with UBS))
- OBPM additional entity (sub-section: Oracle FLEXCUBE Universal Banking with Oracle Banking Payments (OBDX 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) & FLL

```

[devops@ OBDX_Installer]$ python runInstaller.py --silent --addEntity
Password validated for OBDX_UBS140_INS
Execution of DB script for OBDX_BU3 started
Execution completed.

```

- OBP

```

[devops@ OBDX_Installer]$ python runInstaller.py --silent --addEntity
Password validated for OBDX_UBS140_INS
No additional BIAl and weblogic configuration

```

[Home](#)

14. OBDX Product Security

Refer below document for OBDX product security configuration

Oracle Banking Digital Experience Security Guide

[Home](#)

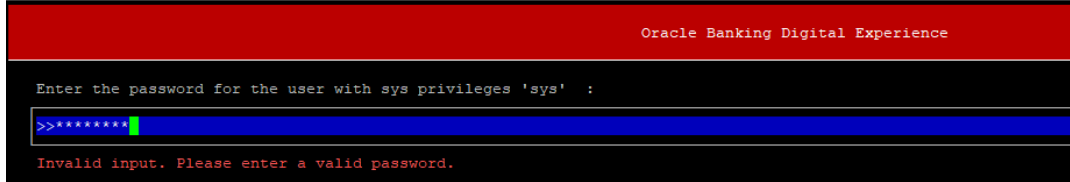
15. Troubleshoot Overview

This section describes how to troubleshoot OBDX 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:



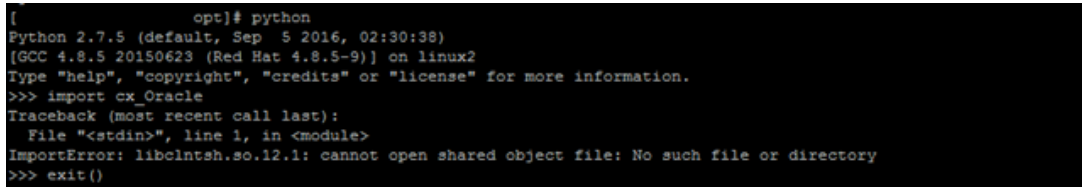
Try one of the following:

- 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:



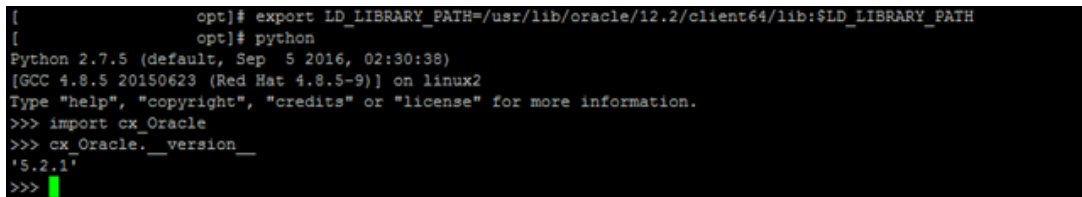
Execute the below command:

```
export LD_LIBRARY_PATH=/usr/lib/oracle/12.2/client64/lib:$LD_LIBRARY_PATH
```

```
python
```

```
import cx_Oracle
```

```
cx_Oracle.__version__
```



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 13:45:41,747 DEBUG Executed /scratch/jenkins/OBDX_Installer/ExecInstances/13Jul1338/db/UBS/seed/MSTENTITYUSERYPELANG.sql successful
2017-07-13 13:45:41,796 ERROR Executed /scratch/jenkins/OBDX_Installer/ExecInstances/13Jul1338/db/UBS/seed/mstlang.sql failed
2017-07-13 13:45:41,796 DEBUG total scripts=15
2017-07-13 13:45:41,797 DEBUG scripts successfully executed=14
```

Check the detailed log of the failed SQL file at <OBDX 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:

```
Starting base Installation with UBS123 host
Creating Tablespace...
Tablespace Created
Creating User...
User Created
Creating Roles...
Role created
Creating Grants...
Execution of clip_master_script.sql started
Execution of clip_master_script.sql completed
Execution of clip_constraints.sql started
Execution of clip_constraints.sql completed
Execution of clip_seeds_executable.sql started
Execution of clip_seeds_executable.sql completed
SUCCESSFULLY installed OBDX database
Starting UBS database installation
Starting UBS Database Installation...
Creating Tablespace...
Tablespace Created
Creating User...
User Created
Creating Roles...
Roles Created
Executing table-scripts.sql...
Execution of table-scripts.sql completed
Executing ubs_object_scripts.sql...
Execution of ubs_object_scripts.sql completed
Executing execute-seeds.sql...
Execution of execute-seeds.sql completed
SUCCESSFULLY installed UBS database
Policy seeding failed. Please see logs for more details
```

Try one of the following:

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

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

- Check the seedPolicies.log in <OBDX INSTALLER DIR>/ExecInstances/<DDMonthHHMM>/logs/db/ directory if it contains any runtime errors generated during execution of the policies Seeding in OBDX schema

Fix the problem by following below steps:

- Login to OBDX installer server
- Browse to <OBDX INSTALLER DIR>\installables\policies
- Edit Entitlement_log4j.properties & Task_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.
#java.util.logging.FileHandler.pattern = %h/java%.log
java.util.logging.FileHandler.pattern = <logs_path>/Task.log
java.util.logging.FileHandler.limit = 50000
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

# 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

#####

# default file output is in user's home directory.
#java.util.logging.FileHandler.pattern = %h/java%.log
java.util.logging.FileHandler.pattern = /scratch/Task.log
java.util.logging.FileHandler.limit = 50000
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
```

- 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"
"INS-oracle.jdbc.OracleDriver,<OBDX Schema name>,<OBDX Schema
password>,jdbc:oracle:thin:@<OBDX DB hostname or IP>:<OBDX DB listener port>/<OBDX 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' "INS-
oracle.jdbc.OracleDriver,OBDX_THP181,Welcome#1,jdbc:oracle:thin:@10.44.169.255:1521/OBDX"
```

- 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' 'OBDX' "INS-oracle.jdbc.OracleDriver,<OBDX Schema
name>,<OBDX Schema password>,jdbc:oracle:thin:@<OBDX DB hostname or IP>:<OBDX DB listener
port>/<OBDX 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" 'OBDX'
"INS-
oracle.jdbc.OracleDriver,OBDX_THP181,Welcome#1,jdbc:oracle:thin:@10.44.169.255:1521/OBDX"
```

- Post successfully execution, restart Managed server.

[Home](#)