Installation Guide Oracle Banking APIs Patchset Release 21.1.5.0.0

Part No. F40802-01

May 2022

## ORACLE

Installation Guide May 2022

Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India Worldwide Inquiries: Phone: +91 22 6718 3000 Fax:+91 22 6718 3001 www.oracle.com/financialservices/

Copyright © 2006, 2022, Oracle and/or its affiliates. All rights reserved.

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

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

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

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

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

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

### **Table of Contents**

1.	P	Preface	1–1
	1.1	Intended Audience	1–1
	1.2	Documentation Accessibility	1–1
	1.3	Access to Oracle Support	1–1
	1.4	Structure	1–1
	1.5	Related Information Sources	1–1
2.	In	ntroduction	2-1
	2.1	Purpose of the Document	2-1
3.	P	Prerequisites	3-1
4.	In	nstallation	4-1
5.	In	nstallation using Silent Mode	5-1
6.	In	nstaller Verification	6-1
7.	In	nstaller Scope	7-1
8.	P	Post Installation Steps	8-1
9.	0	DBAPI Logging Configuration	9-1
10	).	OBAPI Product Verification	10–1
11		Multi Entity	11–1
12	2.	Multi-entity installation using Silent Mode	12–1
13	<b>.</b>	OBAPI Product Security	13–1
14	<b>.</b>	OBAPI Product – Best Practice	14–1
	14.1	1 Tablespace for AUDIT INDEX	14–1
15	5.	JPA and OBAPI multi-cluster	15–1
16	5.	Troubleshoot Overview	16–1

# 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 <a href="http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc">http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc</a>.

### 1.3 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit

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

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

### 1.4 Structure

This manual is organized into the following categories:

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

The subsequent chapters describes following details:

- Introduction
- Preferences & Database
- Configuration / Installation.

### 1.5 <u>Related Information Sources</u>

For more information on Oracle Banking APIs Patchset Release 21.1.5.0.0, refer to the following documents:

Oracle Banking APIs Installation Manuals



### 2. Introduction

### 2.1 Purpose of the Document

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

It includes:

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

Home

# 3. Prerequisites

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

For OBAPI pre-requisite software setup refers document "Oracle Banking APIs Installer Pre-Requisite Setup Manual".

#### Installer Pre-requisite verification

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

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

#### **Oracle Instant client**

Step 1: Login using root user.

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

#### rpm -qa | grep oracle

[root@o	
<pre>pracle-cloud-agent-1.11.4-5207.el8.x86_64</pre>	
<pre>praclelinux-release-8.3-1.0.4.el8.x86_64</pre>	
<pre>praclelinux-release-el8-1.0-16.0.1.el8.x86_64</pre>	
<pre>pracle-cloud-agent-1.10.0-4792.el8.x86_64</pre>	
<pre>praclelinux-developer-release-el8-1.0-6.el8.x86_64</pre>	
<pre>pracle-epel-release-el8-1.0-3.el8.x86_64</pre>	
pracle-logos-80.5-1.0.6.el8.x86 64	
<pre>pracle-instantclient19.10-basic-19.10.0.0.0-1.x86 64</pre>	
[root@efss-amm-fill-opt]#	
<pre>praclelinux-developer-release-el8-1.0-6.el8.x86_64 pracle-epel-release-el8-1.0-3.el8.x86_64 pracle-logos-80.5-1.0.6.el8.x86_64 pracle-instantclient19.10-basic-19.10.0.0.0-1.x86_64 [root@cfss-accord=12]-opt]#</pre>	

**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

#### python3.8 -V



Note: Ensure Python 3.8.0 supported version is installed. Above command should reflect the same.



#### cx\_Oracle & Urwid:

Step 1: Execute python command

#### python

```
Note: Ensure Python 3.8.0 version should be available in PATH variable. Above execution should be done using Python 3.8.0.
```

Step 2: Import Urwid and check version

#### import urwid (Press Enter)

urwid.\_\_version\_\_

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

Note: Ensure Urwid 2.1.2 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

```
[root@cl_________?? Python-3.8.0]# python3.8
Python 3.8.0 (default, Jun 8 2021, 11:06:31)
[GCC 8.4.1 20200928 (Red Hat 8.4.1-1.0.1)] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> import cx_Oracle
>>> cx_Oracle.version
'8.1.0'
>>>
```

If version is displayed, then cx\_Oracle is installed and available for use.

Note: Ensure cx\_Oracle 8.1.0 supported version is installed. Above command should reflect the same.

#### Python 3.8 for Linux Operating System : --

Step 1: Execute below commands to install the python 3.8.0



dnf groupinstall 'development tools'

dnf install bzip2-devel expat-devel gdbm-devel ncurses-devel openssl-devel readline-devel wget sqlite-devel tk-devel xz-devel zlib-devel libffi-devel

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

tar -xzvf Python-3.8.0.tgz

cd Python-3.8.0

./configure --enable-optimizations

make altinstall

python3.8 -version

[root@^ -	_	~]#	python3.8	-V
Python 3.8.0				
	170	<b>ה</b> וו		

<u>Step2:</u> Once above steps are executed successfully install the following required modules.

pip3.8 install --upgrade pip

pip3.8 install cx-Oracle==8.1.0

root@o Python-3.8.0]# pip3.8 install cx-Oracle==8.1.0 /
collecting cx-Oracle==8.1.0
Downloading https://files.pythonhosted.org/packages/5f/3a/f63cf2cee42b32874af13f0a2deb5d4a1448b2fc39bff36ab11e3369f00c/cx_Oracle-8.1.0-cp38-cp38-manylinux1
x86 64.whl (825kB)
I 829kB 138kB/s
nstalling collected packages: cx-Oracle
Successfully installed cx-Oracle-8.1.0

pip3.8 install urwid==2.1.2

[root@cː···-	.J Python-3.8.0]#	pip3.8 in	stall	urwid==2	<b>.</b> 1.2 <sup>.</sup>			
Collecting urwid	==2.1.2							
Using cached v	rwid-2.1.2.tar.gz	(634 kB)						
Jsing legacy 'se	tup.py install' fo	or urwid,	since	package	'wheel'	is not	installed	l.
Installing colle	cted packages: urw	vid						
Running setu	p.py install for u	ırwid	done					
Successfully ins	talled urwid-2.1.2							

**Home** 



## 4. Installation

#### **Pre-Installation**

• Install all the prerequisite software and packages mentioned above

#### **Steps of Installation**

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



#### **IMPORTANT:**

- Enter the values right after the "="sign
- DO NOT change anything to the left of the "="
- DO NOT change any of the flag values or pre-filled values (such as WLS\_JDBC\_DIGX\_NAME, WLS\_JDBC\_DIGX\_JNDI, Flag values etc) available in "Factory Shipped" section.
- Ensure there is no blank space after "=" sign, except specific flavor specific configuration.
- Throughout this document consider UBS as UBS core banking with OBPM as payments engine.



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

Component	Parameter	Description	Example
	OBAPI_DATABASE_HOST NAME	Enter the hostname of the database server which would host the database schema for OBAPI	abc.xyc.com
	OBAPI_DATABASE_PORT	Enter the port number of the database listener	1521
	OBAPI_DATABASE_SID	Enter the Oracle <b>Service</b> <b>Name</b> for database instance	obapidb.in.oracl e.com
	OBAPI_DATABASE_SYS_ USER	Enter the username with 'sys' privileges	Sys
DB details	POST_FIX	For OBAPI schema name like "OBAPI_DEV" POST FIX is 'DEV'. <b>SHOULD BE</b> <b>IN UPPERCASE ONLY.</b>	DEV
schema)	OBAPI_DBA_DIRECTORY_ NAME	Enter the directory name in which you want the OBAPI schema tablespace datafile to be created. Enter Logical name (i.e. <b>DIRECTORY_NAME</b> column) from <b>DBA_DIRECTORIES</b> table NOT the physical path.	in OBAPI_DIR PI ile cal
	OBAPI_AUDIT_DBA_DIRE CTORY_NAME	Enter the directory name in which you want the OBAPI AUDIT tablespace datafile to be created. Enter Logical name (i.e. <b>DIRECTORY_NAME</b> column) from <b>DBA_DIRECTORIES</b> table NOT the physical path.	OBAPI_AUDIT_ DIR

Component	Parameter	Description	Example
	EHMS_DATABASE_HOSTNAME	Enter the hostname for EHMS database server	abc.xyz.com
	EHMS_DATABASE_PORT	Enter the port number of EHMS database listener	1521
	EHMS_SCHEMA_NAME	Enter the Complete OBAPI- EXT (B1A1) HostInterfaceschema name you want installer to create as new schema. SHOULD BE IN UPPERCASE ONLY.	EHMS182S CHEMA
EHMS DB details (to be configured only in-case of FLAVOR as UBS,FCORE &OBPM)	EHMS_DBA_DIRECTORY_NAME	Enter the directory name in which you want the OBAPI- EXT (B1A1) schema tablespace datafile to be created. Enter Logical name (i.e. <b>DIRECTORY_NAME</b> column) from <b>DBA_DIRECTORIES</b> table NOT the physical path.	OPATCH_L OG_DIR
	EHMS_DATABASE_SYS_USER	Enter the username with 'sys' privileges	Sys
	EHMS_DATABASE_SID	Enter the EHMS database Service Name	obapiehms.i n.oracle.co m
	EHMS_HOST_SCHEMA_NAME	Enter the EXISTING EHMS HOST schema name	OBDXUBS
	EHMS_CCY(to be configured for UBS and OBPM HOST only)	Enter the Country code for EHMS HOME Branch	GB
	EHMS_HB (to be configured for UBS and OBPM HOST only)	Enter the Branch code for code for EHMS HOME Branch	AT3
	EHMS_FCORE_FCUBS_SCHEMA _NAME (to be configured for FCORE HOST only)	FCORE-FCUBS schema name	FCRUBSHO ST



			Insta
Component	Parameter	Description	Example
	MIDDLEWARE_HOM E	Oracle Weblogic Server home path. Example /home/obapiuser/Oracle/Middleware/ Oracle Home - where you have sub-	/home/obapiuse r/Oracle/Middle ware/Oracle_Ho me
		directories like wlserver,oracle_common etc.	
	JAVA_HOME	Path where JAVA (JDK) is installed	/home/obapiuse r/jdk18
	FLYWAY_HOME	Path where FLYWAY is installed	/home/obapiuse r/flyway-7.9.2
	INSTALLATION_HO ME	Path where OBAPI is to be installed. All configuration files will be copied as a sub-directory "config" under this directory. <b>DO NOT KEEP</b> <b>INSTALLATION_HOME AS</b> <b>MiddlewareHome</b> .	/home/obapiuse r/obapi
	WLS_DOMAIN_PAT H	Path where OBAPI Weblogic domain should be created. Users can now enter custom path as per their requirements.	/home/obapiuse r/domains
Weblogic server details	WLS_CLUSTER_NA ME	Name of cluster; this cluster would have one single managed server.	obapi_cluster
	WLS_CLUSTER_NO DE_HOSTNAME	Host name or IP address of managed server participating in the cluster. <b>Currently only single node</b> <b>is supported.</b>	abc.xyz.com
	WLS_ADMIN_SERVE R_PORT	Weblogic AdminServer port. It is the port to access the administration console of the Weblogic server. Generally port 7001 is used as the AdminServer port. <b>Custom port are</b> <b>supported.</b>	7001
	WLS_ADMIN_SERVE R_SSL_PORT	AdminServer SSL port. It is the port used to securely access (https) the administration console of the Weblogic server.	7002

WLS_NODE_PORT	Node Manager Port. It is the port used by Node Manager to be configured for OBAPI domain. Generally, 5556 is utilized as Node Manager Port. <b>Custom ports are</b> <b>supported.</b>	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- <b>If this is set as 'clip'</b> <b>managed servers would be clip1</b> .	Clip
WLS_MS_SERVER_ PORT	Managed Server Port. Managed server will utilize this port for hosting OBAPI components and associated resources. <b>Custom ports are</b> <b>supported.</b>	9001
WLS_DOMAIN_NAM E	Enter Weblogic Domain name.	obapi_domain1
WLS_DOMAIN_ADMI N_USER	Domain user ID. The user id will be used to access the Weblogic Administration console.	weblogic
WLS_JMS_FILEUPL OAD_PS (to be configured for all OBAPI supported HOST)	Set the paths for the persistent store of the FileUpload JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME.	/scratch/obapi/ FileUpload
WLS_JMS_AUDIT_P S (to be configured for all OBAPI supported HOST)	Set the paths for the persistent store of the Audit JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME.	/scratch/obapi/A udit
WLS_JMS_REPORT _PS (to be configured for all OBAPI supported HOST)	Set the paths for the persistent store of the Reports JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME.	/scratch/obapi/R eports
WLS_JMS_JPA_PS (to be configured for all OBAPI supported HOST)	Set the paths for the persistent store of the JPA JMS modules. <b>DO NOT</b> <b>KEEP path as</b> <b>INSTALLATION_HOME or as sub</b>	/scratch/obapi/J PA



		directory inside INSTALLATION_HOME.	
	WLS_JMS_EXTSYS RECEIVER_PS (to be configured for all OBAPI supported HOST)	Set the paths for the persistent store of the ExtSystemReceiver JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME.	/scratch/obapi/R eceiver
	WLS_JMS_EXTSYSS ENDER_PS (to be configured for all OBAPI supported HOST)	Set the paths for the persistent store of the ExtSystemSender JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub directory inside INSTALLATION_HOME.	/scratch/obapi/S ender
OBAPI Application Administrator	OBAPI_ADMIN_USE RNAME	Set username for OBAPI application Admin user. USERNAME IS CASE SENSITIVE. In-case of OUD as provider username should be the User ID mentioned during user creation steps mentioned in pre- requisite document (refer To create User and mapping it to the Group section)	superadmin
user details	OBAPI_ADMIN_EMA IL	Enter the Email ID for OBAPI application admin user.	superadmin@or acle.com
	OBAPI_ADMIN_CON TACT_NO	Enter the mobile number for OBAPI application admin user. <b>COUNTRY CODE IS MUST.</b>	+911234567890

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

Ensure ORACLE\_HOME, JAVA\_HOME variable are set and their binaries are available in PATH variable before proceeding.

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

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



#### **Installation Steps:**

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

/scratch/01	PSF	E/OBDX	Insta	ller				
£.		OBD	Insta	aller	]\$ 1:	s -	ltr	
COLAL 20								
-rwxrwxrwx	1	54323	wheel	2569	Jun	28	12:04	runInstaller.py
drwxrwxrwx	12	54323	wheel	4096	Jun	28	12:04	installables
-IWXIWXIWX	1	54323	wheel		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
1		OBD	K_Insta	aller	15			

• Enter the following command

### python3.8 runInstaller.py

Select the appropriate host system for Installation

Oracle Banking Digital Experience	Installer v21.1.1.0.0
Please select the host system from the options listed below :	
Oracle FLEXCUBE Universal Banking	
Oracle FLEXCUBE Core Banking	
Third Party System	
Use (t/1) to select between options	

Oracle FLEXCUBE Universal Banking (OBAPI with UBS)

Select Installation mode



#### Installation

Oracle Banking Digital Experience	Installer v21.1.1.0.0
Please select the installation mode from the options listed below :	
New Installation	
Reinstall	
Use (1/1) to select between options	

#### Mode of Installation - New Installation

New installation

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

Below screens would appear to taken end-user input

Oracle Banking Digital Experience	Installer v21.1.1.0
>>++++++	
Valid.	
>>*****	
Valid.	
>,,,,,,,,,	
Valid.	
>,,,,,,,,,	
Valid.	
Enter password for the OBFM schema 'COD144_ITR' (Existing) :	
>	
Enter password for the OBPM schema 'BIA1_OBDXP2111INS' (new) :	
>>****	
Valid.	
Enter password for the Admin User 'superadmin' :	
>>,,,,,,,,,	
Valid. Use $(+/1)$ keys to navigate between guestions and press 'enter' after editing them	

#### Enter below passwords:

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



#### Third Party System (OBAPI with THP)

Post Third Party System selection, enter the required credentials details

Oracle Banking Digital Experience Installer v21.1.1.
>
Valid.
»
Valid.
»
valid.
Enter password for the Admin User 'superadmin' :
»·······
valid.

#### Enter below passwords:

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

### Oracle FLEXCUBE Core Banking (OBAPI with FCORE)

Post Oracle FLEXCUBE Core Banking, enter the required credentials details



#### Installation

Oracle Banking Digital Experience	Installer v21.1.1.0
»······	
Valid.	
»·····	
Valid.	
»······	
Valid.	
»······	
Valid.	
»······	
Valid.	
»······	
Valid.	

#### Enter below passwords:

- SYS privilege user password where OBAPI schema would be created
- OBAPI schema password
- Weblogic console administrator user password
- SYS privilege user password where FCORE host schema exists
- New OBAPI EHMS schema password
- Password for OBAPI application administrative user

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

Enter the required credentials details

Oracle Banking Digital Experience	Installer v21.1.1.0.0
»	
Valid.	
Enter password for the OBDX schema 'OBDX_PINS2111' :	
»······	
Valid.	
Enter password for the weblogic domain user id 'weblogic' :	
»	
Enter the password for the user with sys privileges of OBEM database 'sys' :	
»······	
Enter password for the OBPM schema 'COD144_ITR' (Existing) :	
»······	
Enter password for the OBFM schema 'BIA1_OBDXP2111INS' (new) :	
» <sup>,,,,,,,,,,</sup>	
Enter password for the Admin User 'superadmin' :	
»·······	
Valid. Use $(\gamma/i)$ keys to navigate between questions and press 'enter' after editing them	



#### Enter below passwords:

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

#### Mode of Installation – Reinstall

Please select the installation mode from the options listed below :	
New Installation	
Reinstall	
() to select between options	

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

#### **Pre-requisites**

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

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

#### **Key pointers**

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

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



#### **Installation Status**

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



When the installation completes, the below message is displayed

stallables/app/components/individuals/digx-scf.war], to obdx_cluster .>
(Jun 4, 2021 11:47:11 AM UTC> <info> <jzee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-security="" for="" obdx="" obdx_insta<="" operation="" p="" scratch=""></initiating></bea-260121></jzee></info>
er/installables/app/components/individuals/digx-security.war], to obdx_cluster .>
«Jun 4, 2021 11:47:19 AM UTC> <info> <jzee deployment="" spi=""> <bea-260121> <initiating <="" [archive:="" application,="" deploy="" digx-sms="" for="" obdx="" obdx_installer="" operation="" p="" scratch=""></initiating></bea-260121></jzee></info>
stallables/app/components/individuals/digx-sms.war], to obdx_cluster .>
(Jun 4, 2021 11:47:24 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-smsbanking="" for="" obdx="" obdx_ins<="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
<pre>iler/installables/app/components/individuals/digx-smsbanking.war], to obdx_cluster .&gt;</pre>
(Jun 4, 2021 11:47:27 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-social="" for="" obdx="" obdx_install<="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
/installables/app/components/individuals/digx-social.war], to obdx_cluster .>
(Jun 4, 2021 11:47:32 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-spendanalysis="" for="" obdx="" obdx_<="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
staller/installables/app/components/individuals/digx-spendanalysis.war], to obdx cluster .>
(Jun 4, 2021 11:47:40 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-sr="" for="" i<="" installer="" obdx="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
callables/app/components/individuals/digx-sr.war], to obdx cluster .>
(Jun 4, 2021 11:47:49 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-td="" for="" i<="" obdx="" obdx_installer="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
callables/app/components/individuals/digx-td.war}, to obdx_cluster .>
(Jun 4, 2021 11:47:58 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-tradefinance="" for="" i<="" obdx="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
caller/installables/app/components/individuals/digx-tradefinance.war], to obdx cluster .>
cJun 4, 2021 11:48:07 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-ukaisp="" for="" install<="" obdx="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
<pre>/installables/app/components/individuals/digx-ukaisp.war], to obdx cluster .&gt;</pre>
(Jun 4, 2021 11:48:15 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-ukcbpii="" for="" obdx="" obdx_instal<="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
c/installables/app/components/individuals/digx-ukcbpii.war], to obdx cluster .>
(Jun 4, 2021 11:48:23 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-ukpisp="" for="" obdx="" obdx_install<="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
<pre>/installables/app/components/individuals/digx-ukpisp.war}, to obdx cluster .&gt;</pre>
(Jun 4, 2021 11:48:31 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-user="" for="" obdx="" obdx_installer<="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
sstallables/app/components/individuals/digx-user.war], to obdx_cluster .>
«Jun 4, 2021 11:48:40 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating <="" [archive:="" application,="" deploy="" digx-vam="" for="" obdx="" obdx_installer="" operation="" p="" scratch=""></initiating></bea-260121></j2ee></info>
stallables/app/components/individuals/digx-vam.war], to obdx_cluster .>
(Jun 4, 2021 11:48:48 AM UTC> <info> <jzee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-wallet="" for="" obdx="" obdx_instal]<="" operation="" scratch="" td=""></initiating></bea-260121></jzee></info>
<pre>/installables/app/components/individuals/digx-wallet.war], to obdx_cluster .&gt;</pre>
(Jun 4, 2021 11:48:57 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-wm="" for="" i<="" obdx="" obdx_installer="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
callables/app/components/individuals/digx-wm.war}, to obdx_cluster .>
Applications deployed successfully
Starting AdminServer
AdminServer started
Successfully created and configured OBDX211TEST1 domain
(Jun 4, 2021 11:49:25 AM UTC> <warning> <jndi> <bea-050001> <wlcontext.close() a="" called="" created.="" different="" in="" it="" one="" than="" the="" thread="" was="" which=""></wlcontext.close()></bea-050001></jndi></warning>
Successfully Setup and Configured WEBLOGIC
>>>> OBDX PRODUCT INSTALLATION COMPLETED SUCCESSFULLY <<<<

**Home** 



## 5. Installation using Silent Mode

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

#### What is silent-mode installation?

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

#### **Steps for Silent-Mode Installation**

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

	and the second se		
[devops@obdxwls	OBDX Installer]\$	export	FLAVOUR=OBPM
[devops@obdxwls	OBDX Installer]\$	export	MODE=New
[devops@obdxwls	OBDX_Installer]\$	export	DB_SYS_PASSWORD=welcome1
[devops@obdxwls	OBDX_Installer]\$	export	SCHEMA_PASS=welcome1
[devops@obdxwls	OBDX Installer]\$	export	DomainPassword=welcome1
[devops@obdxwls	OBDX Installer]\$	export	EHMS_DATABASE_SYS_PASS=welcome1
[devops@obdxwls	OBDX Installer]\$	export	EHMS HOST SCHEMA NAME PASS=welcomel
[devops@obdxwls	OBDX Installer]\$	export	EHMS SCHEMA PASS=welcome1
[devops@obdxwls	OBDX Installer]\$	export	DBAuthPassword=welcome1
[devops@obdxwls	OBDX Installer]\$	export	LD LIBRARY PATH=/usr/lib/oracle/19.10/client64/lib/:\$LD LIBRARY PATH

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

Host	Parameter	Description	Example
	FLAVOUR	Flavour for installation	export FLAVOUR=OBPM or
Environment variables to set for flavor:UBSFC ORE		<b>UBS</b> for Oracle FLEXCUBE Universal Banking 14.4.0.0.0 (OBAPI with UBS)	export FLAVOUR=FCORE
		FCORE for Oracle FLEXCUBE Core Banking 11.8.0.0.0 (OBAPI with FCORE)	



MODE	Mode of installation.	export MODE=New
	' <b>New</b> ' in-case of a fresh installation of OBAPI for the first run on server	or export MODE=Clean
	'Clean' in-case of an existing OBAPI installation that you want to overwrite OR in case of a previously failed installation or re- installation	
DB_SYS_PASSWORD	Sys user password of OBAPI database (Existing)	export DB_SYS_PASSWORD=obapi18 2sys
SCHEMA_PASS	Password for new schema on OBAPI database	export SCHEMA_PASS=obapi#182
DomainPassword	Password for Weblogic Administrator console	export DomainPassword=wlsadmn
EHMS_DATABASE_SY S_PASS	Sys user password of EHMS HOST database (Existing)	export EHMS_DATABASE_SYS_PASS =obapiehmssys
EHMS_HOST_SCHEM A_NAME_PASS	Password of existing EHMS HOST schema (Existing)	export EHMS_HOST_SCHEMA_NAME _PASS =obapiehmshost
UBS & OBPM Host. Ignore this parameter in-case of FCORE Host		
EHMS_SCHEMA_PASS	Password for new OBAPI EHMS schema on EHMS HOST database	export EHMS_SCHEMA_PASS=obapi1 82ehms



	DBAuthPassword	Password for new OBAPI Administrator user of OBAPI application (In-case of OUD as provider, password should similar to one used while user creation in OUD(or User Password field))	export DBAuthPassword=obapiadmn
	FLAVOUR	Flavour for installation <b>'OBAPI'</b> for Third Party System 1.0 (OBAPI with THP)	export FLAVOUR=OBAPI
Environment variables to set for flavor:	Mode	Mode of installation. <b>'New'</b> in-case of a fresh installation of OBAPI for the first run on server <b>'Clean'</b> in-case of an existing OBAPI installation that you want to overwrite OR in case of a previously failed installation or re- installation	export MODE=New or export MODE=Clean
OBAPI (Third-party HOST)	DB_SYS_PASSWORD	Sys user password of OBAPI database (Existing)	export DB_SYS_PASSWORD= obapi182sys
	SCHEMA_PASS	Password for new schema on OBAPI database	export SCHEMA_PASS=obapi#182
	DomainPassword	Password for Weblogic Administrator console	export DomainPassword=wlsadmn



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

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

[devops@obdxwls OBDX\_Installer]\$ python3.8 runInstaller.py --silent

#### **Installation Status**

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



When the installation completes, the below message is displayed

stallables/app/components/individuals/digx-scf.war), to obdx cluster .>
Jun 4, 2021 11:47:11 AM UTC> <info> <j2ee deployment="" spi=""> <dea-260121> <initiating [archive:="" application,="" deploy="" digx-security="" for="" obdx="" obdx_install<="" operation="" scratch="" td=""></initiating></dea-260121></j2ee></info>
er/installables/app/components/individuals/digx-security.war}, to obdx_cluster .>
(Jun 4, 2021 11:47:19 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-sms="" for="" in<="" obdx="" obdx_installer="" operation="" p="" scratch=""></initiating></bea-260121></j2ee></info>
stallables/app/components/individuals/digx-sms.war], to obdx_cluster .>
(Jun 4, 2021 11:47:24 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-smsbanking="" for="" obdx="" obdx_insta<="" operation="" p="" scratch=""></initiating></bea-260121></j2ee></info>
tler/installables/app/components/individuals/digx-amsbanking.war], to obdx_cluster .>
(Jun 4, 2021 11:47:27 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-social="" for="" obdx="" obdx_installer<="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
/installables/app/components/individuals/digx-social.war], to obdx_cluster .>
tJun 4, 2021 11:47:32 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-spendanalysis="" for="" obdx="" obdx_in<="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
staller/installables/app/components/individuals/digx-spendanalysis.war}, to obdx_cluster .>
(Jun 4, 2021 11:47:40 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-ar="" for="" ins<="" obdx="" obdx_installer="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
callables/app/components/individuals/ingx-sr.war), to obdx_cluster .>
Coun 4, 2021 1114/149 AM UIC> (Into> (J2EE Deployment Sri> (BEA-260121) (Initiating deploy operation for application, digx-td [archive] /scratch/oBdx/OBDX Installer/ins
pallables/app/components/individuals/digx-td.watj, to obda cluster .>
Jun 4, 2221 11:47:50 AM ULD < CHIOP CULE Upployment of CLARZOURIS CHICLERUNG deploy operation for application, digx=tradefinance [archive: /scratch/obdx/Ubbx ins
24167/HStallable9/app/Components/individuals/individuals/olgx=traderinance.warj, to obux cluster .> Clus 4 - 0021 lide/cD NM HTCs /tactor /TOEP Delement SDTs /DETs-200101/ Atalainan deneurance for application dismussion largebrash/abds//ODV Testellar
dual 1, 2022 11 Totol An Old State Deployment of State Contracting deploy operation for approximation, digradiant of State Contracting and a state of the state o
<pre>&gt;Instributes/app/components/instributes/suppress/app/components/instributes/instributes/app/components/instributes/instributes/instributes/app/components/instributes/instri</pre>
tour i ave articles an oro- sumor some oppryment orresource sumore or operation for approx operation of approximate articles and a source of a source
Sin 4, 2021 11:48:23 MUTCh (Thich (JZFE Deployment SPI) (BEA-260121) (Thitiating deploy operation for application, digy-pknign (archive: /gcratch/obdy/ORDX Installer
/installables/app/components/individuals/digx-uknimo.war). to obdx cluster .>
Jun 4, 2021 11:48:31 AM UTC> (Info) (JZEE Deployment SPI) (BEA-260121) (Initiating deploy operation for application, digx-user (archive: /scratch/obdx/OBDX Installer/i
hstallables/app/components/individuals/digx-user.warl, to obdx cluster .>
Jun 4, 2021 11:48:40 AM UTC> (Info> (J2EE Deployment SPI> (BEA-260121> (Initiating deploy operation for application, digx-vam [archive: /scratch/obdx/OBDX Installer/in
stallables/app/components/individuals/digx-vam.war], to obdx cluster .>
Jun 4, 2021 11:48:48 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-wallet="" for="" installer<="" obdx="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
/installables/app/components/individuals/digx-wallet.war}, to obdx cluster .>
(Jun 4, 2021 11:48:57 AM UTC> <info> <j2ee deployment="" spi=""> <bea-260121> <initiating [archive:="" application,="" deploy="" digx-wm="" for="" ins<="" obdx="" obdx_installer="" operation="" scratch="" td=""></initiating></bea-260121></j2ee></info>
callables/app/components/individuals/digx-wm.war], to obdx_cluster .>
upplications deployed successfully
Starting AdminServer
AdminServer started
Successfully created and configured OBDX211TEST1 domain
(Jun 4, 2021 11:49:25 AM UTC> (Warning> (JNDI> (BEA-050001) (WLContext.close() was called in a different thread than the one in which it was created.>
successfully Setup and Configured WEBLASIC
ADDU REARING THATAN CAUCHERE ADOCTOR ADDITING
>>>> OBDA PRODUCT INSTALLATION COMPLETED SUCCESSFULLY <<<<



Installation using Silent Mode

Home

### ORACLE

# 6. Installer Verification

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

-

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



Installer Verification

Check all the logs for any errors.

<u>Home</u>



# 7. Installer Scope

OBAPI Installer currently covers below activities:

#### Flavor: Third Party system (OBAPI with THP)

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



Flavor: Oracle	<b>FLEXCUBE</b> Core	Banking (OBA	<b>API with FCORE)</b>

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		Create Tablespace	$\checkmark$	NA
		Create Schema and Role	$\checkmark$	$\sqrt{(\text{drop and re-})}$ (create objects)
		Grants	$\checkmark$	
	OBAFI DE Selup	Load DB object (DDL's and DML's)	$\checkmark$	$\checkmark$
		Compile Schema	$\checkmark$	
		Policy Seeding	$\checkmark$	$\checkmark$
		Create Tablespace	$\checkmark$	NA
		Create Schema and Role	$\checkmark$	$\sqrt{(\text{drop and re-})}$ (create objects)
	EHMS DB Setup	Grants	$\checkmark$	
OBAPI with		Load DB object (DDL's and DML's)	$\checkmark$	$\checkmark$
FCORE		Compile Schema	$\checkmark$	
		Create and Configure AdminServer, Machine, Managed Server and Cluster	$\checkmark$	$\checkmark$
		Configure NodeManager	$\checkmark$	$\checkmark$
	Weblogic Setup and Configuration	Configure JDBC	$\checkmark$	
		JMS servers, Persistent stores and JMS Modules	$\checkmark$	$\checkmark$
		Application Deployment	√	$\checkmark$
		JTA	$\checkmark$	
		Enable Production Mode	$\checkmark$	



Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		Start AdminServer and NodeManager	$\checkmark$	$\checkmark$
	OBAPI Configuration	Copy config files into OBAPI Installation Home	$\checkmark$	$\sqrt{(\text{Delete old and copy new from installer zip)}}$



Flavor: Oracle FLEXCUBE Universal Banking	with Oracle Banking	a Pavmen	ts (OBAPI with OBPM)

Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		Create Tablespace	$\checkmark$	NA
		Create Schema and Role	$\checkmark$	(drop and recreate objects)
		Grants	$\checkmark$	$\checkmark$
	OBAPI DB Setup	Load DB object (DDL's and DML's)	$\checkmark$	$\checkmark$
		Execute OBPM HOST specific scripts	$\checkmark$	$\checkmark$
		Compile Schema	$\checkmark$	
		Policy Seeding	$\checkmark$	$\checkmark$
		Create Tablespace	$\checkmark$	NA
OBAPI	EHMS DB Setup	Create Schema and Role	$\checkmark$	(drop and recreate objects)
with OBPM		Grants	$\checkmark$	$\checkmark$
(14.4.0.0.0 version)		Load DB object (DDL's and DML's)	$\checkmark$	$\checkmark$
		Compile Schema	$\checkmark$	$\checkmark$
		Create and Configure AdminServer, Machine, Managed Server and Cluster	1	
		Configure NodeManager	$\checkmark$	$\checkmark$
	Weblogic Setup	Configure JDBC	$\checkmark$	$\checkmark$
	and Configuration	JMS servers, Persistent stores and JMS Modules	$\checkmark$	
		Application Deployment		
		JTA		
		Enable Production Mode		



Flavor	Activity	Detailed Activity List	New Installation	Reinstall
		Start AdminServer and NodeManager	$\checkmark$	$\checkmark$
	OBAPI Configuration	Copy config files into OBAPI Installation Home	$\checkmark$	$\sqrt{(\text{Delete old and copy new from installer zip)}}$

Home



# 8. Post Installation Steps

#### **Outbound credential mappings**

Login Weblogic Admin Console. Click on Deployments.

-			
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	٩	Welcome, weblogic Connected to: OB
View changes and restarts	Home >Summary of Deployments >com.ofss.digx.app.co Deployments >com.ofss.digx.connector.rar >Summary	onnector >Roles >com.ofss.digx.connector.rar >Summary of Deplo of Environment	oyments >com.ofss.digx.connector.rar >Roles >Summary of
Click the Lock & Edit button to modify, add or delete items in this domain.	Home Page		
Lock & Edit	- Information and Resources		
Release Configuration	Helpful Tools	General Information	
Domain Structure	Configure applications	Common Administration Task Descriptions     Read the desurperstation	
OBDX_INS_TEST	Configure a Dynamic Cluster	Ask a question on My Oracle Support	
Environment	Recent Task Status		
Deployments	Set your console preferences		
Security Realms	Oracle Enterprise Manager		
Interoperability	- Domain Configurations		
- Disglitatica	Domain	Resource Group Templates	Interoperability
	Domain	<ul> <li>Resource Group Templates</li> </ul>	WTC Servers
			Jolt Connection Pools
	Domain Partitions	Resource Groups	
L	Domain Partitions	Resource Groups	Diagnostics
How do I	Partition Work Managers		Log Files
Search the configuration		Deployed Resources	Diagnostic Modules
Use the Change Center	Environment	<ul> <li>Deployments</li> </ul>	<ul> <li>Built-in Diagnostic Modules</li> </ul>
Ose the change center	Servers		Diagnostic Images

Click on com.ofss.digx.connector

### Click on Security Tab > Outbound Credential Mappings

ORACLE WebLogic Server Admin	nistratio	Console 14.1.1						
Change Center	🚹 Ho	me Log Out Preferences 🛃 Record H	lelp Q			Wel	come, weblogic	Conr
View changes and restarts	Home	>Summary of Deployments >com.ofss.digx.o	connector >Roles >Summary of Deployments					
Click the Lock & Edit button to modify, add or delete items in this domain.	Summa	ry of Deployments						
Lock & Edit Release Configuration  Domain Structure OBDX211TEST1  Environment Deployments EServices Security Realms Environment Theroperability	Config This You To in Deple	uration         Control         Monitoring           wage displays the list of Java EE application         an update (redeploy) or delete installed           stall a new application or module for dep           omize this table           yments	ons and standalone application modules installed to this applications and modules from the domain by selecting loyment to targets in this domain, click <b>Install</b> .	domain. the checkb	ox next to ti	he application name and	d then using the co	ontrol
	Inst	all Update Delete					Showing 1	to 10
		Name 💫		State	Health	Туре	Targets	Dej
		orm.ofss.digx.connector		Active	🖋 ОК	Resource Adapter	obdx_cluster	0
		E odigx-access		Active	🖋 ОК	Web Application	obdx_cluster	100
How do I		E digx-account		Active	🖋 ОК	Web Application	obdx_cluster	100



ORACLE WebLogic Server A	dministration Console 14.1.1		
Change Center	🏠 Home Log Out Preferences 🔤 Record Help	Q	
View changes and restarts	Home >Summary of Deployments >com.ofss.digx.connector >	Roles >Summary of Deployments >com.ofss.dig	x.connector >Roles > <b>com.ofss.dig</b>
Click the Lock & Edit button to modify, add or	Settings for com.ofss.digx.connector		
Lock & Edit	Overview Deployment Plan Configuration Security	Targets Control Testing Monitoring	Notes
Release Configuration	Roles Policies Outbound Credential Mappings	nbound Principal Mappings Principals	
Domain Structure OBDX211TEST1  - EnvironmentDeploymentsSecurity RealmsInteroperabilityDiagnostics	Outbound credential mappings let you map WebLogic Serv credential mappings for all outbound connection pools in th for this resource adapter. Customize this table Outbound Credential Mappings	er usernames to usernames in the Enterprise l e resource adapter, or specify particular outboo	nformation System (EIS) to whic Ind credential mappings for indivi
5	New Delete		
	UKS User 🗞	EIS User	Outbound Connection Poo
		There a	re no items to display
	New Delete		

#### Click on New

ORACLE WebLogic Server Adm	inistration Console 14.1.1	
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	
View changes and restarts	Home >Summary of Deployments >com.ofss.digx.connector >Roles >Summary of Deployments >com.ofss	s.digx.connector >Roles
Click the Lock & Edit button to modify, add or delete items in this domain	Settings for com.ofss.digx.connector	
Lock & Edit	Overview Deployment Plan Configuration Security Targets Control Testing Monitor	oring Notes
Release Configuration	Roles Policies Outbound Credential Mappings Inbound Principal Mappings Principals	
Domain Structure OBDX211TEST1  E-EnvironmentDeploymentsSecurity Realms E-Interoperability E-Diagnostics	Outbound credential mappings let you map WebLogic Server usernames to usernames in the Enterpr credential mappings for all outbound connection pools in the resource adapter, or specify particular ou for this resource adapter.  Customize this table  Outbound Gredential Mappings  New Delete	ise Information System (EIS) to v tbound credential mappings for in
	EIS User	Outbound Connection
	The	ere are no items to display
	New Delete	
How do I		

Select ra/DIGXConnectorAES > Next



View changes and restarts		Home > Summary of Deployments > com.ofss.digx.connector.rar > Roles > Summary of Deployments > com.ofss.digx.connector.rar > Summary of Environment > Summary of Deployments > com.ofss.digx.connector.rar							
Click the Lock & Edit button to modify, add or delete items in this domain.	(	Creat	e a New Security Credential Mappi	New Security Credential Mapping					
Lock & Edit Release Configuration	Back Next Finish Cancel Outbound Connection Pool								
Domain Structure OBDX_INS_TEST B-Domain Partitions		Wh Cor	ich Outbound Connection Pool would y nection Pools in this resource adapter.	ou like the credential map to be associated with Selecting Resource Adopter Default will configure the credential mapping for all Outbound Each Outbound Connection Pool can then configure themselves to override these credentials.					
Environment     Deployments     Services		Cre	ate a New Security Credential Mag	) Entry for:					
Security Realms									
Interoperability     Diagnostics			Outbound Connection Pool 🙈						
			ra/DIGXConnectorAES						
			ra/DIGXConnectorAPNS						
			ra/DIGXConnectorBIREPORTS						
			ra/DIGXConnectorFCM						
How do I			ra/DIGXConnectorFILEUPLOAD						
			ra/DIGXConnectorGENERICREST						
Create outbound credential mappings			ra/DIGXConnectorIPM_OBDX_BU						
			ra/DIGXConnectorIPM_OBDX_BU1						
System Status			ra/DIGXConnectorJWTOKEN						
Health of Running Servers as of 10:57 AM			ra/DIGXConnectorMERCHANT						

#### Select "Default User" > Next

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

### Enter "EIS User Name" should be set to AES\_KEY

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

Change Center	🏦 Home Log Out Preferences 🔤 Record Help						
View changes and restarts	Home >Summary of Deployments >com.ofss.digx.connector >Roles >Summary of Deployments >com.ofss.digx.connector >Role						
Click the Lock & Edit button to modify, add or delete items in this domain.	Create a New Security Credential Mapping						
Lock & Edit	Back Next Finish Cancel						
Release Configuration	EIS User Name and Password						
Domain Structure OBDX211TEST1	Configure the EIS User Name and Password that you would like to map the WebLogic Server User to: * Indicates required fields						
Deployments	Enter the EIS User Name:						
Services     Security Realms     There are a security for the secure security for the security for the security for the	* EIS User Name:						
	Enter the EIS Password:						
	* EIS Password:						
	* Confirm Password::						
How do I	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:	AES_KEY	]
Enter the EIS Password:		
* EIS Password:	•••••	]
* Confirm Password::		]
Back Next Finish Cancel		

#### Check AES\_KEY mapping is created successfully.

	Customize this table							
0	Outbound Credential Mappings							
	New Delete							
	□ WLS User ↔	EIS User	Outbound Connection Pool					
	Default AES_KEY ra/DIGXConnectorAES							
	New Delete							

#### **Configuring the Connector Credential Store**

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

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

Functionality / Module	OutBound Connection Pool Name
VAM	ra/DIGXConnectorOBVAM

#### Oracle FLEXCUBE Universal Banking (OBAPI with UBS)

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

#### **Foreign Server**

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



S	umma	ary of JMS Modules							
	JMS conf This	system resources are configured and stored as modules similar to standard Java EE modules. Such resources include queues, topics, connection factories, te igure and manage IMS system modules as global system resources. page summarizes the JMS system modules that have been created for this domain.	mplates, destination keys, quota, distribu						
0	Customize this table      Its Modules (Filtered - More Columns Exist)								
	Click	the Lock & Edit button in the Change Center to activate all the buttons on this page.							
	Net	w Delete							
		Name 🗞	Туре						
		AuditJMS	JMSSystemResource						
		FileUploadJMS JMSSystemResource							
		Reports/JMSModule JMSSystemResource							
		UBSSystemModule JMSSystemResource							
	Net	w Delete							

Settings for UBS	Settings for UBSSystemHodule											
Configuration	Aguration SubSeptoyments Targets Security Notes											
This page displa	This page displays general information about a 3HS system module and its resources. It also allows you to configure new resources and access existing resources.											
Name:	Name: UBSSystemModule					T	The name of this JMS system module. More Info					
Scope:	Scope: Global Sp						pecifies if the JMS system module is accessible within the domain, a partition	m, or a resource	group template.			
Descriptor File	Name:					jms/ubssystemmodule-jms.xml			Th	he name of the JMS module descriptor file. More Info		
This page summ	This page summarizes the 3HS resources that have been created for this 3HS system module, including queue and tapic destinations, connection factories, 3HS templates, destination sort keys, destination queta, distributed destinations, foreign servers, and store-and-forward parameters.											
Customize thi	↓ Customize this table											
Click the Lock &	Summary of Resources On the Change Center to activate all the buttors on this page. On the Activate Center to activate all the buttors on this page.											
New Delete	New Doles Showing to 1							Showing 1 to 1 o				
🗉 Name 🏟	Rame 🖧 Type JHDI Name Subdeployment				Targets							
UBSForeig	UBSForegrisferver Poreign Server N/A UBSForegrisferven obdr_cluster											
New Delete	New Delate Showing 1 to 1 o											

### • Click on UBSForeignServer

Settings for UBSForeignServer						
Configurat	tion Subdepl	oyment	Notes			
General	Destinations	Connecti	on Factories			
Click the L	ock & Edit but	ton in the (	Change Cente	r to modify the	e settings on this page.	
Save						
A foreign s foreign sei	server represen rver.	ts a JNDI p	rovider that r	esides outside	a WebLogic Server. It contains information that allows WebLogic Server to reach the remote JNDI provider. The	
街 Name:					UBSForeignServer	
JNDI Initia	al Context Fac	ctory:			weblogic.jndi.WLInitialConte:	
街 JNDI C	Connection UR	L:			t3:// <ehms_wls_server>:<ehms_wls_server_port>/</ehms_wls_server_port></ehms_wls_server>	
JNDI Prop	erties Creden	tial:				
Confirm JP	NDI Propertie	s Credent	al:			
JNDI Prop	erties:					
java.na ≺EHMS_W	ming.secur: LS_USERNAMI	ity.prin E>	ncipal=	1		



#### Click on Lock & Edit

Cattings for URCEnsignComor							
Configuration Subdeployment Notes							
General Destinations Connection Factories							
Save							
A foreign server represents a JNDI provider that resides outside foreign server.	a WebLogic Server. It contains information that allows WebLogic Server to reach the remote JNDI provider. This way, a number of						
🔁 Name:	UBSForeignServer						
JNDI Initial Context Factory:	weblogic.jndi.WLInitialConte:						
借 JNDI Connection URL:	t3:// <ehms_wls_server>:<ehms_wls_server_port>/</ehms_wls_server_port></ehms_wls_server>						
JNDI Properties Credential:							
Confirm JNDI Properties Credential:							
JNDI Properties:							
java.naming.security.principal= <ehms_wls_username></ehms_wls_username>							

Set below configurations with:

JNDI Connection URL –Replace <EHMS\_WLS\_SERVER> with hostname or IP address of UBS HOST Weblogic server and <EHMS\_WLS\_SERVER\_PORT> with port number of UBS HOST Weblogic Managed server (where NOTIFY\_DEST\_QUEUE and NOTIFY\_DEST\_QUEUE\_FCDB are mapped). JNDI Properties Credential – Password for username set in JNDI properties

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

**JNDI Properties** – Value to be set as "java.naming.security.principal=<EHMS\_WLS\_USERNAME>", where

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

Click on Save

stration Console 12c		Q				
🔒 Home Log Out Preferences 🖂 Record Help 🛛 🔍 🔍 Welcome, weblogic Connected to: OBDX201UBS						
Home >Summary of Deployments >Summary of	f JMS Modules >UBSSystemModule >UBSForeignServer					
ettings for UBSForeignServer						
Configuration Subdeployment Notes						
General Destinations Connection Fac	tories					
Save						
A foreign server represents a JNDI provide destination objects (queues or topics) can	r that resides outside a WebLogic Server. It contains information that allows We be defined on one JNDI directory. Use this page to configure a foreign server.	bLogic Server to reach the remote JNDI provider. This way, a number of connection factory and				
e Name:	UBSForeignServer	The name of this foreign server. More Info				
JNDI Initial Context Factory:	weblogic.jndi.WLInitialConte	The name of the class that must be instantiated to access the JNDI provider. This class name depends on the JNDI provider and the vendor that are being used. More Info				
JNDI Connection URL:	жжжжжж	The URL that WebLogic Server will use to contact the JNDI provider. The syntax of this URL depends on which JNDI provider is being used. For WebLogic JMS, leave this field blank if you are referencing WebLogic JMS objects within the same cluster. More Info				
JNDI Properties Credential:		Any Credentials that must be set for the JNDI provider. These Credentials will be part of the properties will be passed directly to the constructor for the JNDI provider's InitialContext class. Note: For secure credential management, use the Credential field. Using the Properties field results in the credential being stored and displayed as originally entered. More Info				
Confirm JNDI Properties Credential:						
JNDI Properties:		Any additional properties that must be set for the JNDI provider. These properties will be				
java.naming.security.principa	1=	passed directly to the constructor for the JNDI provider's InitialContext class. More Info				



Home >Sum Messages	Home Schmary of 2MS Modules >UBSSystemModule >Summary of 3MS Modules >UBSSystemModule >UBSS								
California (an	URCEnning								
Settings for	UBSForeign	server							
Configurat	ion Subdep	oloyment	Notes						
General	Destinations	Connect	ion Factories						
Save									
A foreign : foreign se	server represe rver.	nts a JNDI	provider that	: resides outside a	WebLogic Server. It contains infor	rmation that allows WebLogic Server to reach th	e remote JNDI provider. This way, a number of c	onnection factory and destination o	bjects (queues or topics) can be defi
街 Name:					UBSForeignServer			The name of this foreign server.	More Info
JNDI Initial Context Factory:		weblogic.jndi.WLInitialCon	nte:		The name of the class that must the vendor that are being used.	be instantiated to access the JNDI pr More Info			
街 IDDI C	onnection U	RL:			t3://10.184.135.59:7860/			The URL that WebLogic Server w being used. For WebLogic JMS, I Info	ill use to contact the JNDI provider. T ave this field blank if you are referer
JNDI Prop	erties Crede	ntial:						Any Credentials that must be set the constructor for the JNDI prov the Properties field results in the	for the JNDI provider. These Credeni ider's InitialContext class. Note: For a credential being stored and displayed
Confirm JI	NDI Propertie	es Creden	tial:						
JNDI Prop java.na	<b>erties:</b> ming.secur	ity.pri	ncipal=i	nfra				Any additional properties that mu JNDI provider's InitialContext cla	st be set for the JNDI provider. Thes s. More Info
🔲 🏀 Def	ault Targetir	ig Enabled	d					Specifies whether this JMS resou mechanism. More Info	rce defaults to the parent module's ta
Save									

### Click on Activate Changes

	Iministration Console 12c						
Change Center	🔞 Home Log Out Preferences 🔤 Record Help	9	Welcom				
View changes and restarts Pending changes exist. They must be activated to take affect	Home - Summary of 365 Modules - UBSSystemHodule - Summ Hessages & Settings updated successfully.	How Sciencey of 263 Mades (UBS)phothtade Sciencey of 263 Mades (UBS)phothtade Sciencey of 265 Mades (UBS)phothtade (UBS)photht					
Activate Changes	Settings for UBSForeignServer						
Undo All Changes	Configuration Subdeployment Notes						
Domain Structure	General Destinations Connection Factories						
OBDX_INS_TEST	Save						
Environment     Deployments     Services     Security Realms	A foreign server represents a JNDI provider that resides foreign server.	outside a WebLogic Server. It contains information that allows WebLogic Server to reach the remote	JND1 provider. This way, a number of connection factory and destination objects (quinues or topics) can be defined on one JND1				
the Interoperability In Diagnostics	0 Name:	UBSForeignServer	The name of this foreign server. More Info				
	ONDE Initial Context Factory:	weblogic.jndl.WLInitialConte:	The name of the class that must be instantiated to access the JHOI provider. This class the vendor that are being used. Hore Info				
Haw do 1	4문 JNDI Connection URL:	xx.xx.xx.xx	The URL that WebLogic Server will use to contact the JNDI provider. The syntax of the being used. Yor WebLogic JMS, leave this field blank if you are referencing WebLogic J bits				
Create foreign connection factories     Create foreign destinations	JNDI Properties Credential:		Any Credentials that must be set for the JNDJ provider. These Credentials will be part to the constructor for the JNDC provider's Ionital Context class. Note: For secure credential the Properties Indicated and inclusion and contential being attention and individual on a companily en				
System Status	Confirm JNDI Properties Credential:						
Health of Running Servers as of 2:20 PM Pailed (0) Cotectal (0) Overlaaded (0) Warning (0) OK (1)	JNDI Properties: java.naming.security.principal-infra		any obligation of properties that much lead the full $K^{\rm exp}_{\rm exp}(0)$ provides. These properties set integrations from the $M^{\rm exp}_{\rm exp}$ in the $M^{\rm exp}_{\rm exp}$				
	🗐 👩 Default Targeting Enabled		Specifies whether this JHS resource defaults to the parent module's targeting or uses t mechanism. Hare Info				
	Save						

Change Center	10 Hume Log Out Preferences Log Recent Help Welcon					
View changes and restarts	Home > Summary of SHS Modules > UBESystemHodule > So	remary of IMS Modules - UBSSystemModule - Summary of IMS Modules - UBSSystemModule - UBSParaignServer - Co	nfguration >NOTIFY_DEST_QUEUE_FCDB >UBMForeignServer			
Click the Lock & Zult button to modify, add or delate items in this domain.	All changes have been activated. No restarts are n	er ensary.				
Lock & Edit	Settings for UBSForeignServer					
Rateane Configuration	Configuration Subdeployment Notes					
Domain Structure	General Destinations Connection Pactories					
OBDX_INS_TEST PD Domain Partitions	Click the Lock & Edit button in the Change Center to	modify the settings on this page.				
Deployments	Save					
89 Services Security Realms 89 Interoperability RI-Diagnostics	A foreign server represents a 3NDE provider that resid foreign server.	les outside a WebLogic Server. It contains information that allove WebLogic Server to reach the remote 200	DI provider. This way, a number of connection factory and destination objects (queues or topics) can be defined on one 24			
	🕂 Name:	UBSForeignServer	Oraçle Beelive Extensions for Diationic			
	JNDI Initial Context Factory:	weblogic indi.WLInitiatConteil	1 Wait while accessing server Stop with the JNDI provider. This d			
How do L	a 3HDI Connection URL:	**.**.**	The GPU that WebLogic Server will use to contact the 3NDI provider. The unities of being used. For WebLogic 3NS, leave the field black if you are referencing WebLogic black			
Oraste foreign destinations	3ND1 Properties Crodential:		Any Credentials that must be set for the 2HD1 provider. These Condentials will be pa the constructor for the 2HD1 provider's instacContext class. Note: For a score contemp the Proceeties field excells in the codential base stored and dealayed as originally.			
System Status III Health of Running Servers as of 3:22 PH	Confirm JND1 Properties Credential:					
Pailed (0)	WOI Descention:		Any additional eccentrics that must be set for the MHU consider. These eccentrics			
Overladd (0) Warning (0) Ott (1)	java.naming.accurity.principal-infra		2021 preventer's IndiaContext class. Here Toff			
	🔲 👸 Default Targeting Enabled		Specifies whether this JHS resource defaults to the parent module's targeting or use machanism. Hore Info			
	Sava					



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

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

#### Foreign Server

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

Settings for OBPI	Settings for OBPHSystemHodule							
Configuration	Configuration Subdeployments Targets Security Notes							
This page displa	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:						OBPMSystemModule		The name of this JMS system module. More Info
Scope:						Global		Specifies if the JMS system module is accessible within
Descriptor File	Name:					jms/obpmsystemmodule-jms.xml		The name of the JMS module descriptor file. More In
This page summ	narizes the JMS resour	rces that have	been crea	ated for t	his JMS syst	tem module, including queue and topic destinations, con	ection factories, JMS templates, destination sort keys, de	estination quota, distributed destinations, foreign servers, a
Summary of Re	sources							
Click the Lock &	Edit button in the Cl	hange Center	to activate	e all the b	outtons on th	his page.		
New Delete	New Delete							
🔲 Name 🐟	C Name A Type JNDI Name Subdeployment							
OBPMForei	OBPMForeignServer         N/A         OBPMSubdeployment							
New Delete								

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

#### **Deployment of notification MDB application**

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

#### Fileupload with UBS

Refer below document for File upload configuration with UBS

• Oracle Banking APIs File Upload Report Configuration

#### **Origination with UBS**

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

Oracle Banking APIs UBS Origination Setup and Configuration

#### Trade Finance (LC and BG) with OBTFPM

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



Oracle Banking Mid-Office Product Setup and Configuration Guide

#### <u>OHS</u>

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

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

Oracle Banking APIs OHS User Interface Configuration

#### Feedback module:

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

Mandatory deployment					
Sr No	Module	Description			
1	digx-alerts	Alerts configuration and management			
2	digx-approval	Transaction approvals for admin and corporate business user			
3	digx-audit	Audit logging for all transactions			
4	digx-auth	Login authentication & oAuth functionality			
5	digx-brand	Brand Management			
6	digx-common	Common REST APIs used across all modules like enumerations			
7	digx-config	System configuration & dashboard management			
8	digx-cutoff	Transaction cutoff management			
9	digx- eurekaserver	Service registration of modules			
10	digx-finlimit	Limits Maintenance and Utilization			
11	digx-login	Manages user login and logout functionality			
12	digx-me	Multientity management			
13	digx-party	Party management			
14	digx-security	Authorization and Authentication management			
15	digx-shared-libs	Common framework libraries shared across all modules			
16	digx-sms	User & Credential management			
17	digx-user	User profile management			
18	digx-account	Accounts framework			
19	digx-dda	Demand deposits			
20	digx-connector	Weblogic connector to store secure information / credetials			

#### WAR deployments and dependencies



	Optional WAR deployment					
Sr.	Wor	Dopondont Modulos	Functionality			
NO	vvai					
1	diax-access		Account and transaction access			
2	digx-oauth		oAuth Maintenance			
			Account aggregation feature			
3	digx-accountaggregation		external bank accounts to OBAPI.			
			To set up the transaction access			
			logic for Bank's retail customers			
			account -mode of operation or			
4	digx-accountrelationship		relationship.			
5	digx-analytics		Capturing UI events for analytics			
		digx-content	Associated Party Management for			
6	digx-associatedparty	digx-scf	corporate user			
7	digx-berlinaisp	digx-obc	Berlin Open Banking Accounts			
			Berlin Open Banking Funds			
8	digx-berlinpiisp	digx-obc	Confirmation			
9	digx-berlinpisp	digx-obc	Berlin Open Banking Payments			
		digx-common				
10	diax-budget	digx-payment	Budget management for retail			
10			File upload maintenances for			
11	digx-bulkadmin		admin			
			File upload in Cash management			
12	digx-bulkcms	digx-bulkadmin	for corporate user			
			File upload in Invoice			
13	digx-bulkinvoice	digx-bulkadmin	management for corporate user			
			File upload in Payments for			
14	digx-bulkpayment	digx-bulkadmin	corporate user			
4.5			File upload in Supply chain			
15	digx-buikscf	digx-bulkadmin	finance for corporate user			
16	diax-bulktradefinance	digx-bulkadifiliti	File upload in Trade finance for			
10		digx-bulkadmin	File unload in Virtual account			
17	digx-bulkvam	digx-vam	management for corporate user			
-		digx-payment				
		digx-dda	Credit card operations for retail			
18	digx-card	digx-location	user			
			Chatbot functionality for retail and			
19	digx-chatbot		corporate user			
		digx-associatedparty				
		digx-dda	—			
		digx-invoice				
20	diax-cms	diax-pm	corporate user			



		digx-vam	
21	digx-collaboration	digx-content	Mailers are information or messages published by the Bank, to communicate about the Bank's Products, services and other information to its users.
22	digx-content		File document upload , read and deletion related operation by retail, corporate and admin users.
		digx-processmanagement	Credit facility module for
23	digx-creditfacility	digx-content	corporate user
		digx-dda	
		digx-account	
		digx-content	
		digx-location	Electronic bill payments for retail
24	digx-ebpp	digx-card	user
25	digx-extxfacesimulator		Simulator for Third Party Host Implementation
			Feedback module for retail and
26	digx-feedback	digx-security	corporate user
		digx-payment	•
27	digx-forexdeal	digx-pm	Forex deal for corporate user
		digx-common	
		digx-content	
		digx-payment	
28	digx-goal	digx-dda	Goal module for retail user
			Provides insight to retail user
29	digx-insight		according to his activities
		digx-associatedparty	_
		digx-cms	Invoice management module for
30	digx-invoice	digx-scf	corporate user
31	diax-liquiditymanagement	digx-forexdeal	Liquidity management module for corporate user
01		digx-dda	
		digx-location	Loon modulo for rotail and
32	diax-loap	digx-payment	
02		digx-loan	
		digx-account	
		diax-content	
		digx-creditfacility	
33	digx-loanapplication	digx-processmanagement	
			Location module for retail and
34	digx-location		corporate user
35	digx-mobile		Mobile module
		digx-content	Enables corporate users to
		digx-invoice	perform operations like Automatic
36	digx-nlp	digx-scf	Invoice Creation and Automatic



			Purchase Order Creation in Invoice Management and Supply Chain Finance.
37	digx-obc		Openbanking Fine Graining Of Consent
		digx-content	
		digx-payment	
		digx-td	
		digx-dda	
		digx-config	
		digx-common	
38	digx-origination	digx-user	Origination module for retail user
		digx-forexdeal	
		digx-party	
		digx-location	
		digx-pm	
		digx-content	
		digx-vam	
		digx-social	Payments module for retail and
39	digx-payment	digx-wallet	corporate user
40	diax-pm		Product maintenance related
40	digx-processmanagement		
41	digx-processmanagement	diax-socurity	
		digx-user	
		digx-usei	
		digx-sins	
		digx-payment	
42	diax-report	digx-dda	
13	digy-rewards		Rewards module for retail user
45		diax-associatedparty	
		digx-invoice	Cumply shain finance medule for
44	diax-sef	digx-nm	Supply chain linance module for
45	digx-smsbanking		SMS banking
45	digx-sinsbanking		
40		diax dda	
47	diax spondonolysis	digx paymont	Spend analysis module for retail
4/		digx dda	
10	diax or	digx content	Sorvice request module
40		digx dda	
		digx-location	
10	diax-td	digx-novment	and corposit module for retail
		digy-content	
		digy-creditfacility	
		digy-dda	
50	digy-tradefinance	digy-foreydeal	I rade finance module for
50			
-			
51	algx-ukalsp	algx-obc	UK Open Banking Accounts



52	digx-ukcbpii	digx-obc	UK Open Banking Funds Confirmation
53	digx-ukpisp	digx-obc	UK Open Banking Payments
		digx-location	Virtual account management for
54	digx-vam	digx-account	corporate user
		digx-payment	
		digx-dda	
55	digx-wallet	digx-sms	Wallet module for retail user
		digx-party	
		digx-pm	
		digx-user	Wealth management module for
56	digx-wm	digx-dda	retail user

**Note** – After executing Post installation steps please refer **User Manual Oracle Banking APIs Core** - **Section 40:Security Keys** and perform **API key generation** to help authentication server handle non authenticated requests.

**Home** 



# 9. OBAPI Logging Configuration

#### Logging Configuration in WebLogic Standard Edition

WebLogic converts the **java.util.logging** levels into WebLogic Logging Levels when we use Platform Loggers. Refer Table (Fig-A) for Logging Level conversion. (**Case Sensitive**)

To change the logging level at package level in OBAPI Application can be achieved with below Steps

- 1. Go to the OBAPI Application Server à Click Logging
- Go to Advance and set the values in Platform Loggers Levels as per the Package level logging requirements.
   e.g. To set the logging level for package <bankcode>.com.ofss.fc and com.ofss.digx
  - i. <bankcode>.com.ofss.fc=Info
  - ii. com.ofss.digx=Error
- 3. Save and Restart the server

JAVA	WebLogic
SEVERE	Error
WARNING	Warning
INFO	Info
CONFIG	Debug
FINE	Debug
FINER	Trace
FINEST	Trace

(Fig-A)

Configuration Protocals Logging Debug Monitoring Control Deployment	its Services Security Notes					
General HTTP Data Source Diagnostic Images						
386						
Use this page to define the general logging settings for this server.						
n Ing file name:	logs/obdx_server1.log	The name of the file that stores current log messages. Usually it is a computed value based on the name of the parent of this Millean. For exemple, for a server log, it is SERVER_IMAME.log. More Info				
- Rotation						
👸 Rotation type:	By Size 🗸	Citteria for moving old log messages to a separate file. Here Info				
Rotation file size:	5000	The size (1 - 2107)59 kilolytes) that triggers the server to move log messages to a separate file. The default is 500 kilolytes. After the log file neeches the specified minimum size, the next time the server checks the file size, it will resume the current log file as (SEVER) UNER Segment and create a new one to store subsequent messages. (Sequeres that you specify a file notation type of Size.) More lation.				
Begin rotation time:	00.00	Determines the start time (hour and minute) for a time-based rotation sequence. More info				
Rotation interval:	24	The interval (in hours) at which the server saves old log messages to another file. (Requires that you specify a file rotation type of TEME.) More Info				
✓ Limit number of retained files		Indicates whether to limit the number of log files that this server instance creates to store old messages. (Requires that you specify a file rotation type of SIZE orTINE.) Hore Info				
Files to retain:	100	The maximum number of log files that the server creates when it rotates the log. This number does not include the file that the server uses to store current messages. (Requires that you enable Number of Files Limited.) More Info				
C Log file rotation directory:		The directory where the rotated log files will be stored. By default the rotated files are stored in the same directory where the log file is stored. More Info				
at Rotate log file on startup		Specifies whether a server rotates its log file during its startup cycle. The default value in production mode is faise. More Info				
- V Advanced						
Date Format Pattern:	MMM d, yyyy h:mm:ss,SSS a z	The date format pattern used for rendering dates in the log. The DateFormatPattern string conforms to the specification of thejava.text.SimpleDateFormat dass. Here Info				
Hinimum severity to log:	Info V	The minimum severity of log messages poing to all log destinations. More Infs				
Cloger severity properties: Nol.con.ofs.fccinfo con.ofs.tror (6)		The indiparties of the different tager execution logically areas. The values are use of the problem Soverty strings sawaly Emergency, Alex, Celed, Error, Warweg, Nolec, July, Belleg, Tages. Natr 316				
	Configuration I Instantion Linguingo	Carling and Parametic Name         Service Service Name           Carling and Parametic Name         Service Service Name           Carling and Parametic Name         Service Name           Carling and Service Name         Service Name				



# 10. OBAPI Product Verification

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

Scom.ofss.digx.connector	Active	🖋 ОК	Resource Adapter	obdx_cluster	0
E digx-access	Active	🖋 ОК	Web Application	obdx_cluster	100
🗄 🦲 digx-account	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 🦲 digx-accountaggregation	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 🦲 digx-accountrelationship	Active	🖋 ОК	Web Application	obdx_cluster	100
🗄 🥫 digx-alerts	Active	🖋 ОК	Web Application	obdx_cluster	100
E digx-analytics	Active	🖋 ОК	Web Application	obdx_cluster	100
🗄 🥫 digx-approval	Active	🖋 ОК	Web Application	obdx_cluster	100
🗄 🦲 digx-associatedparty	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 🦲 digx-audit	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 🦲 digx-auth	Active	🖋 ОК	Web Application	obdx_cluster	100
🗄 🦲 digx-berlinaisp	Active	🖋 ОК	Web Application	obdx_cluster	100
🗄 🥫 digx-berlinpiisp	Active	🖋 ОК	Web Application	obdx_cluster	100
🗄 🥫 digx-berlinpisp	Active	🖋 ОК	Web Application	obdx_cluster	100
🗄 🥫 digx-brand	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 🦲 digx-budget	Active	🖋 ок	Web Application	obdx_cluster	100
🖲 🧓 digx-bulkadmin	Active	🖋 ОК	Web Application	obdx_cluster	100
🗄 🦲 digx-bulkcms	Active	🖋 ОК	Web Application	obdx_cluster	100
🗈 🥫 digx-bulkinvoice	Active	🖋 ОК	Web Application	obdx_cluster	100

	1				
🗄 🥫 digx-bulkpayment	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 🥫 digx-bulkscf	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 🥫 digx-bulktradefinance	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 🥫 digx-bulkvam	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 👼 digx-card	Active	🖋 ок	Web Application	obdx_cluster	100
🗈 👼 digx-chatbot	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 🥫 digx-cms	Active	🛩 ок	Web Application	obdx_cluster	100
digx-collaboration	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 🥫 digx-common	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 👼 digx-config	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 👼 digx-content	Active	🖋 ок	Web Application	obdx_cluster	100
E 🥫 digx-creditfacility	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 🦲 digx-cutoff	Active	🖋 ок	Web Application	obdx_cluster	100
🗄 🥫 digx-dda	Active	🛩 ок	Web Application	obdx_cluster	100
🗄 🦲 digx-ebpp	Active	🖋 ок	Web Application	obdx_cluster	100
E 👩 digx-eurekaserver	Active	🖋 ок	Web Application	obdx_cluster	100
E digx-extxfacesimulator	Active	🖋 ок	Web Application	obdx_cluster	100
E digx-feedback	Active	🖋 ок	Web Application	obdx_cluster	100
E odigx-finlimit	Active	🖋 ок	Web Application	obdx_cluster	100



#### **OBAPI** Product Verification

	🛨 🥫 digx-forexdeal	Active	🖋 ОК	Web Application	obdx_cluster	100
	🗈 🥫 digx-goal	Active	🛩 ок	Web Application	obdx_cluster	100
	🗄 🥫 digx-insight	Active	🖋 ок	Web Application	obdx_cluster	100
	🗄 🥫 digx-invoice	Active	🖋 ок	Web Application	obdx_cluster	100
	🗈 🥫 digx-liquiditymanagement	Active	🖋 ок	Web Application	obdx_cluster	100
	🗈 🥫 digx-loan	Active	🖋 ОК	Web Application	obdx_cluster	100
ſ	E digx-loanapplication	Active	🖋 ок	Web Application	obdx_cluster	100
	adjux-location	Active	🛩 ок	Web Application	obdx_cluster	100
	🗄 👼 digx-login	Active	🖋 ок	Web Application	obdx_cluster	100
	🗄 👼 digx-me	Active	🖋 ок	Web Application	obdx_cluster	100
	🗄 🦲 digx-mobile	Active	🛩 ок	Web Application	obdx_cluster	100
	🗄 🥫 digx-nlp	Active	🖋 ОК	Web Application	obdx_cluster	100
	🗄 🦲 digx-oauth	Active	🖋 ок	Web Application	obdx_cluster	100
	🗄 🦲 digx-obc	Active	🛩 ок	Web Application	obdx_cluster	100
	E digx-origination	Active	🖋 ок	Web Application	obdx_cluster	100
	🗄 🥫 digx-party	Active	🖋 ок	Web Application	obdx_cluster	100
ſ	🗄 🥫 digx-payment	Active	🖋 ок	Web Application	obdx_cluster	100
	🗄 🥫 digx-pm	Active	🛩 ок	Web Application	obdx_cluster	100
	E  digx-processmanagement	Active	🖋 ок	Web Application	obdx_cluster	100
	🗄 🦲 digx-report	Active	🛩 ок	Web Application	obdx_cluster	100
Ì				Į.		
ľ	🖻 🐻 digx-rewards	Active	🖋 ок	Web Application	obdx_cluster	100
ľ	🗄 🥫 digx-scf	Active	🛩 ок	Web Application	obdx_cluster	100
ľ	E 👩 digx-security	Active	🛩 ок	Web Application	obdx_cluster	100
	ngdigx-shared-libs (21.1.0.0.0,312)	Active		Library	AdminServer, obdx_cluster	0
	🗄 🥫 digx-sms	Active	🖋 ОК	Web Application	obdx_cluster	100
	🗄 🥫 digx-smsbanking	Active	🛩 ок	Web Application	obdx_cluster	100
	E digx-social	Active	🛩 ок	Web Application	obdx_cluster	100
	digx-spendanalysis	Active	🖋 ок	Web Application	obdx_cluster	100
	🗄 🥫 digx-sr	Active	🛩 ок	Web Application	obdx_cluster	100
	🗄 🥫 digx-td	Active	🖋 ОК	Web Application	obdx_cluster	100
	E jdgx-tradefinance	Active	🖋 ОК	Web Application	obdx_cluster	100
	🗄 🥫 digx-ukaisp	Active	🛩 ок	Web Application	obdx_cluster	100
	🗄 🥫 digx-ukcbpii	Active	🛩 ок	Web Application	obdx_cluster	100
	🗄 🥫 digx-ukpisp	Active	🛩 ок	Web Application	obdx_cluster	100
	🗄 🦲 digx-user	Active	🖋 ок	Web Application	obdx_cluster	100
	🗄 🦲 digx-vam	Active	🖋 ок	Web Application	obdx_cluster	100
	🗄 🦲 digx-wallet	Active	🛩 ок	Web Application	obdx_cluster	100
	😢 🥫 digx-wm	Active	🖋 ОК	Web Application	obdx_cluster	100

To verify the installation, launch below URL

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

Check if the page loads successfully.





#### Day1 Configuration

#### Universal Banking Solution (OBAPI with UBS)

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

Oracle Banking APIs System Configuration

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

**Note:** Post Day1 restart of Managed server is mandatory

#### Third Party System (OBAPI with THP)

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

Oracle Banking APIs System Configuration

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

**Note:** Post Day1 restart of Managed server is mandatory

#### Chat Bot Configuration:

Refer below document for Chat Bot configuration.

Oracle Banking APIs Chatbot Configuration



#### **Mobile Application Builder:**

Refer below documents for Mobile Applications build and setup.

Oracle Banking Digital Experience Mobile Application Builder-Android

Oracle Banking Digital Experience Mobile Application Builder-iOS

#### Mid Office Configuration:

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

Oracle Banking Mid-Office Product Setup and Configuration Guide.

#### **Account Uniqueness Configuration:**

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

```
Insert into DIGX_FW_CONFIG_ALL_0 (PROP_ID, PREFERENCE_NAME, PROP_VALUE,
DETERMINANT_VALUE, CREATED_BY, CREATION_DATE, LAST_UPDATED_BY,
LAST_UPDATED_DATE)
values
('obapi.host.account.uniqueness','ExtSystemsConfig','BRANCH','<ENTITY_ID>','ofss
user',sysdate,'ofssuser',sysdate);
Insert into DIGX_FW_CONFIG_ALL_0 (PROP_ID, PREFERENCE_NAME, PROP_VALUE,
DETERMINANT_VALUE, CREATED_BY, CREATION_DATE, LAST_UPDATED_BY,
LAST_UPDATED_DATE)
values
('obapi.host.accountbranch.delimiter','ExtSystemsConfig','@~','<ENTITY_ID>','ofs
suser',sysdate,'ofssuser',sysdate);
```

**Note:** Please ensure that <ENTITY\_ID> has been replaced with correct Entity ID for the corresponding entity.

**Home** 



## 11. Multi Entity

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

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

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

Ensure ORACLE\_HOME, JAVA\_HOME variable are set and their binaries are available in PATH variable before proceeding.

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

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

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

#### python3 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
- OBAPI schema password



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

Enter the OBFM DB hostname :
>>
Enter the OBIM DB port :
»
Enter the OBFM SID :
»
Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :
>
entet the usefinane with sys privileges :
Enter password for the user with sys privileges :
Enter existing weblogic admin password :
>
Use (1/1) keys to navigate between questions and press 'enter' after editing them
Enter the ORDM DB hostname .
Enter the OBEM DB hostname :
Enter the OBFM DB hostname : >>whf00jmlgin.oracle.com Valid.
Enter the OBFM DB hostname : >>whf00jml@in.oracle.com Valid. Enter the OBFM DB port :
Enter the OBFM DB hostname : >>whf00jml_in.oracle.com Valid. Enter the OBFM DB port : >>1522
Enter the OBFM DB hostname : >>whf00jmljin.oracle.com Valid. Enter the OBFM DB port : >>1522 Valid.
Enter the OBFM SID ;
Enter the OBEM DB hostname : >>whf00jmlBin.oracle.com Valid. Enter the OBEM DB port : >>1522 Valid. Enter the OBEM SID : >>oral9c.in.oracle.com
Enter the OBFM DB hostname : >>whf00jml@in.oracle.com Valid. Enter the OBFM DB port : >>1522 Valid. Enter the OBFM SID : >>oral9c.in.oracle.com Valid.
Enter the OBFM DB hostname : >>>hf00jmlEin.oracle.com Valid. Enter the OBFM DB port : >>1522 Valid. Enter the OBFM SID : >>>racle.com Valid. Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) ::
Enter the OBFM DB hostname : >>>hf00jml@in.oracle.com Valid. Enter the OBFM DB port : >>152 Valid. Enter the OBFM SID : >>>raseLe.com Valid. Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) : >>TBS_DIR
Enter the OBEM DB hostname : >>>hf00jmllin.oracle.com Valid. Enter the OBEM DB port : >>152 >>152 >>152 >>152 >>152 >>15 >>15
Enter the OBEM DB hostname : >>hf00jmllin.oracle.com Valid. Enter the OBEM DB port : >>152 >>152 >>152 >>152 >>152 >>15 >>15
Enter the OBEM DB hostname : >>>hf00jmllin.oracle.com Valid. Enter the OBEM DB port : >>1522 Valid. Enter the OBEM SID : >>>rase_com Valid. Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) : >>TBS_DIR Valid. Enter the username with 'sys' privileges : >>sys
Enter the OBEM DB hostname :  >>>hf00jml@in.oracle.com Valid. Enter the OBEM DB port :  >>1522 Valid. Enter the DIFM SID :  >>oracle.com Valid. Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :  >>TBS_DIR Valid. Enter the username with 'sys' privileges :  >>sys
Enter the OBEM DB hostname :  >>>hf00jmlBin.oracle.com Valid. Enter the OBEM SID :  >>>oracle.com Valid. Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :  >>TBS_DIR Valid. Enter the username with 'sys' privileges :  >>sys Valid. Enter the user with sys privileges :  >>sys
Enter the OBEM DB hostname :  >>>hf00jml@in.oracle.com Valid. Enter the OBEM SID :  >>>oracle.com Valid. Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :  >>TBS_DIR Valid. Enter the username with 'sys' privileges :  >>sys Valid. Enter the user with sys privileges : >>sys Valid. Enter the user with sys privileges : >>sys
Enter the OBEM DB hostname :  >>>hf00jml@in.oracle.com Valid. Enter the OBEM SID : >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Enter the OBEM DB hostname :  >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

Enter below details:

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



Enter the existing OBFM host schema name :
Enter the password for existing OBFM host schema :
Enter new OBPM BlAl schema name :
Enter new schema password :
Enter country code :

Enter below details:

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

#### Installation Status in case of UBS / OBPM

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

```
[chinduspectant controls of DBDX_Installer]$ python3 runInstaller.py
Starting OBPM Database Installation...
Creating Tablespace...
Tablespace Created
Creating User...
User Created
Creating Role...
Roles Created
Executing Grants...
Executing OBPM Grants...
OBPM Scripts execution on progess...Please hold on it might take sometime
Scripts execution Successfully
SUCCESSFULLY installed OBPM database
Executed DIGX_FW_CONFIG_ALL_0.sql successfully
```

When the installation completes, the below message is displayed



```
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 13://100.76.133.230:7001 with userid weblogic ...
Successfully connected to Admin Server "AdminServer" that belongs to domain "OBDX211TEST".
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 OBDXBU2_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
OBDXBU2_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 (OBAPI with UBS)).

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



#### No additional steps/ configuration are required.

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



Enter the FCORE DB hostname :
52
Enter the FCORE DB port :
>
Enter the FCORE SID :
>
Enter the Directory make for Tablespace Creation (DBA_DIRECTORIES) :
2
Enter the username with 'sys' privileges :
Enter password for the user with sys privileges :
>
Enter existing weblogic admin password :
»
the second se

Enter the FCORE DB hostname :						
>>mumaa012.in.oracle.com						
Velid.						
Enter the FCORE DB port :						
5>1520						
Valid.						
Enter the FCORE SID :						
S>obdxhst.in.oracle.com						
Valid.						
Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :						
S>TB5_DIR						
Valid.						
Enter the username with 'sys' privileges :						
Soaya						
Valid.						
Enter password for the user with sys privileges :						
Saurana						
Valid,						
Enter existing weblogic admin password :						
»······						
Valid. Use (1/1) keys to navigate between questions and press 'enter' after editing them						

Enter below details:

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



Enter the existing FCR schema name :	
Enter the existing FCUBS schema name :	
>>	
Enter new FCORE schema name :	
>	
Riter new enheme negetived .	
7	
Use $(1/i)$ keys to navigate between questions and press 'enter' after editing them	
Enter the eviction EVD scheme name .	
22 (xR02)	
Valid.	
Enter the existing FCUBS schema name :	
Enter the existing FCUBS schema name : >>FCRUBSHOST	
Enter the existing FCUBS schema name : >>FCRUBSHOST Valid.	
Enter the existing FCUBS schema name : >>FCRUBSHOST Valid. Enter new FCORE schema name :	
Enter the existing FCUBS schema name : >>FCRUBSHOST Valid. Enter new FCORE schema name : >>FCRHOSTIST	
Etter the existing FCUBS schema name :	
Etter the existing FCUBS schema name :	
Eter the existing FCUBS schema name :	
Enter the existing FCUBS schema name :	
Enter the existing FCUBS schema name :	
Etter the existing FCUBS schema name :	
Etter the existing FCUBS schema name :	
Etter the existing FCUBS schema name :	
Etter the existing FCUBS schema name : >>FCRUBSHOST Valid. Etter new FCORE schema name : >>FCRUSTIST Valid. Etter new schema password : >>******** Valid. Valid.	
Etter the existing FCUBS schema name :	
Ettr the existing FCUBS schema name :	
Ettr the existing FCUBS schema name :	
Ettr the existing FCUBS schema name : >>FCRUBSHOST Valid. Enter new FCORE schema name : >>FCRHOSTIST Valid. Enter new schema password : >>***********************************	
Enter the existing FCUES schema name :	

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.

#### 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://100.76.133.230:7001 with userid weblogic ... Successfully connected to Admin Server "AdminServer" that belongs to domain "OBDX211TEST".

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 OBDXBU3\_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 OBDXBU3\_B1A1 created sucessfully.

Exiting WebLogic Scripting Tool.

#### Entity successfully configured.

#### No additional steps/ configuration are required.

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



# 12. Multi-entity installation using Silent Mode

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

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

Ensure ORACLE\_HOME, JAVA\_HOME variable are set and their binaries are available in PATH variable before proceeding.

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

#### Steps for Silent-Mode Installation

• Set the environment variables, as shown below.

OBDX Installer]\$	export	Entity_Code=OBDX_BU7
OBDX Installer]\$	export	SCHEMA_PASS=welcomel
OBDX Installer]\$	export	ENTITY_EHMS_DATABASE_HOSTNAME=hostanme.in.oracle.com
OBDX Installer]\$	export	ENTITY_EHMS_DATABASE_PORT=1520
OBDX Installer]\$	export	ENTITY_EHMS_DATABASE_SID=obdxdb.in.oracle.com
OBDX Installer]\$	export	ENTITY_EHMS_DBA_DIRECTORY_NAME=TBS_DIR
OBDX Installer]\$	export	ENTITY_EHMS_DATABASE_SYS_USER=sys
OBDX Installer]\$	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]\$	<mark>p</mark> ython	runInstaller.pysilentaddEntity

Below parameters should be set in environment variables

	Parameter	Description	Example
Environment variables to	Entity_Code	Entity code which has been entered from screen	export Entity_Code=OBDX_BU7
set for flavor: FCORE UBS (14.4.0.0.0 release)	SCHEMA_PASS	Password for existing OBAPI schema	export SCHEMA_PASS=devops#ob api182
OBPM (14.4.0.0.0 release)	ENTITY_EHMS_DAT ABASE_HOSTNAM E	Hostname of the EHMS HOST database host server	export ENTITY_EHMS_DATABASE_ HOSTNAME=xx.xx.xx.xx



Parameter	Description	Example
ENTITY_EHMS_DAT ABASE_PORT	Port of the EHMS HOST database host server	export ENTITY_EHMS_DATABASE_ PORT=1521
ENTITY_EHMS_DAT ABASE_SID	EHMS Host database Service Name	export ENTITY_EHMS_DATABASE_ SID=obapidb.in.oracle.com
ENTITY_EHMS_DB A_DIRECTORY_NA ME	Oracle Directory name in which you want the EHMS (HostInterface) schema datafile (dbf).	export ENTITY_EHMS_DBA_DIREC TORY_NAME=TBS_DIR
	and NOT the path	
ENTITY_EHMS_DAT ABASE_SYS_USER	Username with 'sys' privileges	export ENTITY_EHMS_DATABASE_ SYS_USER=sys
ENTITY_EHMS_DAT ABASE_SYS_PASS	Password for EHMS sys user	export ENTITY_EHMS_DATABASE_ SYS_PASS=devops@sys
ENTITY_EHMS_SCH EMA_NAME	Complete EHMS (HostInterface) schema name you want installer to create as new schema.	export ENTITY_EHMS_SCHEMA_N AME=OBDXEHMS
ENTITY_EHMS_SCH EMA_PASS	Password for new EHMS schema on EHMS HOST database	export ENTITY_EHMS_SCHEMA_P ASS=devops#ehms
ENTITY_EHMS_HO ST_SCHEMA_NAME	EXISTING EHMS Host schema name	export ENTITY_EHMS_HOST_SCHE MA_NAME=EHMSHOST



	Parameter	Description	Example
	ENTITY_EHMS_HO ST_SCHEMA_NAME _PASS	Password of existing HOST EHMS schema (Existing)	export ENTITY_EHMS_HOST_SCHE MA_NAME_PASS=ehmshst
	**This parameter is only required for UBS & OBPM Host		
	WLS_DOMAIN_PAS S	Password for Weblogic admin console	export WLS_DOMAIN_PASS=weblo gic182
	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_FCO RE_FCUBS_SCHEM A_NAME **This parameter is only required for FCORE	FCORE-FCUBS HOST schema name	export ENTITY_EHMS_FCORE_FCU BS_SCHEMA_NAME=FCRU BSHOST
Environment variables to set for flavor: OBAPI (Third- party HOST)	Entity_Code	Entity code which has been entered from screen	export Entity_Code=OBDX_BU1
	SCHEMA_PASS	Password for existing OBAPI schema	export SCHEMA_PASS=welcome1

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



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

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

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

When the installation completes, the below message is displayed

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 13://100.76.133.230:7001 with userid weblogic ... Successfully connected to Admin Server "AdminServer" that belongs to domain "OBDX211TEST". 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 OBDXBU2\_BIAL Starting an edit session ... Started edit session ... Started edit session ... The edit lock associated with this edit session is released once the activation is completed. Activation completed OBDXBU2\_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 (OBAPI with UBS))
- OBPM additional entity (sub-section: Oracle FLEXCUBE Universal Banking with Oracle Banking Payments (OBAPI with OBPM))



#### Installation Status in case of other hosts as Add Entity

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

• THP(third party as entity)

```
[devops] OBEX_Installer]6 python runInstaller.py --silent --addEntity
Password validated for OBEX_183INS
Execution of DB script for OBEX_BUI started
Executed DIGX_FW_CONFIG_ALL_O.sql successfully
Execution completed.
```



# 13. OBAPI Product Security

Refer below document for OBAPI product security configuration

Oracle Banking APIs Security Guide

Home



## 14. OBAPI Product – Best Practice

### 14.1 Tablespace for AUDIT INDEX

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

Follow below steps

- Create a new tablespace
- Give quota to OBAPI schema

alter user <OBAPI\_SCHEMA> quota unlimited on <OBAPI\_AUDIT\_INDEX\_TABLESPACE>;

- > Drop and create below index by mapping the newly created tablespace
  - OBAPI\_Installer\installables\db\OBAPI\ddl\oracle\audit\ IDX\_DIGX\_AL\_API\_AUDIT\_LOGGING.sql
  - OBAPI\_Installer\installables\db\OBAPI\ddl\oracle\audit\ IDX\_DIGX\_AL\_API\_AUDIT\_LOG\_HIST.sql
  - OBAPI\_Installer\installables\db\OBAPI\ddl\oracle\audit\IDX\_DIGX\_AL\_AUDIT\_LOGGIN G.sql
  - OBAPI\_Installer\installables\db\OBAPI\ddl\oracle\audit\ IDX\_DIGX\_AL\_AUDIT\_LOGGING\_1.sql
  - OBAPI\_Installer\installables\db\OBAPI\ddl\oracle\audit\ IDX\_DIGX\_AL\_AUDIT\_LOGGING\_2.sql
  - OBAPI\_Installer\installables\db\OBAPI\ddl\oracle\audit\ IDX\_DIGX\_AL\_AUDIT\_LOGGING\_3.sql
  - OBAPI\_Installer\installables\db\OBAPI\ddl\oracle\audit\ IDX\_DIGX\_AL\_AUDIT\_LOGGING\_4.sql
  - OBAPI\_Installer\installables\db\OBAPI\ddl\oracle\audit\IDX\_DIGX\_AL\_AUDIT\_LOGGIN G\_DETAILS.sql

<u>Home</u>



## 15. JPA and OBAPI multi-cluster

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

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

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

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

#### Key pointers;

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

<u>Home</u>



### 16. Troubleshoot Overview

This section describes how to troubleshoot OBAPI setup.

#### Invalid database password

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

If you get the following error:



Try one of the following:

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

#### cx oracle module

This topic contains troubleshooting information about problems with cx\_Oracle python module.

If you get the following error:





Execute the below command:

export LD\_LIBRARY\_PATH=/usr/lib/oracle/19.10/client64/lib:\$LD\_LIBRARY\_PATH

python

import cx\_Orace

cx\_Oracle.\_\_version\_\_

[devops@ /	]\$ export LD_LIBRARY_PATH=/usr/lib/oracle/18.3/client64/lib/:\$LD_LIBRARY_PATH
[devops@ /	/]\$ python
Python 2.7.5 (def	Fault, Apr 11 2018, 17:41:36)
[GCC 4.8.5 201506	523 (Red Hat 4.8.5-28.0.1)] on linux2
Type "help", "cop	pyright", "credits" or "license" for more information.
>>> import cx_Ora	acle
>>> cx_Oraclev	version
'7.3.0'	

#### Failed Database Scripts

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

If you get the following error in DB\_installation.log:

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

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

#### Failure of Policy Seeding

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

If you get the following error:

Policy seeding failed. Please see logs for more details

Try one of the following:

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

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

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



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

Fix the problem by following below steps:

- Login to OBAPI installer server
- Over-write the policies files (Day0Policy.csv; Entitlement.csv; Resources.csv and Task.csv) from OBAPI Product zip into <OBAPI INSTALLER DIR>/installables/policies directory
- Browse to <OBAPI INSTALLER DIR>\ installables\policies
- Edit Entitlement\_log4j.properties , Task\_log4j.properties & Dashboard\_seed\_log4j.properties . Replace <logs\_path> with directory where policy seeding logs will be generated

```
e.g
# default file output is in user's home directory.
"java.atil.logging.Filchandler.puttern %"/java%a.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$s%n
# Limit the message that are printed on the console to INFO and above.
java.util.logging.ConsoleHandler.level = OFF
java.util.logging.ConsoleHandler.formatter = java.util.logging.SimpleFormatter
# default file output is in user's home directory.
#java.util.logging.FileHandler.pattern = %h/java%u.log
java.util.logging.FileHandler.pattern = /scratch/Task.log
java.util.logging.FileHandler.limit = 50000
Java.utll.logging.FileHandler.count = 1
#java.util.logging.FileHandler.formatter = java.util.logging.XMLFormatter
java.util.logging.FileHandler.formatter = java.util.logging.SimpleFormatter
java.util.logging.SimpleFormatter.format= [%1$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" "oracle.jdbc.OracleDriver,<OBAPI Schema name>,<OBAPI Schema password>,jdbc:oracle:thin:@<OBAPI DB hostname or IP>:<OBAPI DB listener port>/<OBAPI Service Name>"



for e.g.:

java -jar -Djava.util.logging.config.file='Task\_log4j.properties' com.ofss.digx.utils.feed.data.task.jar 'Task.csv' "oracle.jdbc.OracleDriver,OBAPI\_THP181,Welcome#1,jdbc:oracle:thin:@ xx.xx.xx.xx:1521/OBAPI"

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

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

for e.g.:

java -jar -Djava.util.logging.config.file='Entitlement\_log4j.properties' com.ofss.digx.utils.entitlement.feed.data.jar 'Resources.csv,Entitlement.csv,Day0Policy.csv' 'KERNEL' "oracle.jdbc.OracleDriver,OBAPI\_THP201,Welcome#1,jdbc:oracle:thin:@ xx.xx.xx:1521/OBAPI"

Note: Please remove the space between multiple csv's if there is any.

> Run below command manually if "SEVERE" error logs are found in Dashboard\_seed.log

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

for e.g.:

java -jar -Djava.util.logging.config.file= Dashboard\_seed\_log4j.properties' com.ofss.digx.utils.dashboard.jar '/installables/policies/dashboard\_json' "oracle.jdbc.OracleDriver,OBAPI\_THP201,Welcome#1,jdbc:oracle:thin:@xx.xx.xx:1521/OBAPI

> Post successfully execution, restart Managed server.

<u>Home</u>

