Installation Guide Oracle Banking APIs Patchset Release 21.1.3.0.0

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Installation Guide

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1. Preface

1.1 Intended Audience

This document is intended for the following audience:

- Customers
- Partners

1.2 **Documentation Accessibility**

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

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 Related Information Sources

For more information on Oracle Banking APIs Patchset Release 21.1.3.0.0, 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

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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

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

```
[root@^ _ ~]# python3.8 -V
Python 3.8.0
```

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

```
[root@cfcc manage 3 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 urwid
>>> urwid.__version__
'2.1.2'
>>>
```

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@ci_ 172 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
```

Step2: Once above steps are executed successfully install the following required modules.

```
pip3.8 install --upgrade pip
```

pip3.8 install cx-Oracle==8.1.0

pip3.8 install urwid==2.1.2

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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)

```
# Installer Properties
# All entries to be made immediately after the '=' and WITHOUT quotation marks. i.e. '' or ""
# Weblogic Details #
# Weblogic Details
```

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 Service Name for database instance	obapidb.in.oracl e.com
	OBAPI_DATABASE_SYS_ USER	Enter the username with 'sys' privileges	Sys
DB details (for OBAPI	POST_FIX	For OBAPI schema name like "OBAPI_DEV" POST FIX is 'DEV'. SHOULD BE IN UPPERCASE ONLY.	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. DIRECTORY_NAME column) from DBA_DIRECTORIES table NOT the physical path.	OBAPI_DIR
	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. DIRECTORY_NAME column) from DBA_DIRECTORIES 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. DIRECTORY_NAME column) from DBA_DIRECTORIES 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



Installation

Component	Parameter	Description	Example
	MIDDLEWARE_HOM E	Oracle Weblogic Server home path. Example /home/obapiuser/Oracle/Middleware/ Oracle_Home - where you have sub- directories like wlserver,oracle_common etc.	/home/obapiuse r/Oracle/Middle ware/Oracle_Ho me
	JAVA_HOME	Path where JAVA (JDK) is installed	/home/obapiuse r/jdk18
	FLYWAY_HOME	Path where FLYWAY is installed	r/jdk18 /home/obapiuse r/flyway-7.9.2 /home/obapiuse r/obapi /home/obapiuse r/domains obapi_cluster abc.xyz.com
	INSTALLATION_HO ME	Path where OBAPI is to be installed. All configuration files will be copied as a sub-directory "config" under this directory. DO NOT KEEP INSTALLATION_HOME AS MiddlewareHome.	
	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. Currently only single node is supported.	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. Custom port are supported.	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



			Т
V	WLS_NODE_PORT	Node Manager Port. It is the port used by Node Manager to be configured for OBAPI domain. Generally, 5556 is utilized as Node Manager Port. Custom ports are supported.	5556
	WLS_MS_SERVER_ NAME	Managed server name. This will be the name of the managed server created in the cluster followed by indexes. eg- If this is set as 'clip' managed servers would be clip1.	Clip
	WLS_MS_SERVER_ PORT	Managed Server Port. Managed server will utilize this port for hosting OBAPI components and associated resources. Custom ports are supported.	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
S f	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
((a	WLS_JMS_JPA_PS (to be configured for all OBAPI supported HOST)	Set the paths for the persistent store of the JPA JMS modules. DO NOT KEEP path as INSTALLATION_HOME or as sub	/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 prerequisite document (refer To create User and mapping it to the Group section)	superadmin
user details	OBAPI_ADMIN_EMA	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. COUNTRY CODE IS MUST.	+911234567890

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

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

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

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



Installation Steps:

From your terminal navigate to <OBAPI INSTALLER DIR>/

```
| OBDX_Installer|$ pwd

/scratch/OPSFE/OBDX_Installer

| OBDX_Installer|$ 1s -ltr

| Lotal 20

-rwxrwxrwx 1 54323 wheel 2569 Jun 28 12:04 runInstaller.py

| drwxrwxrwx 12 54323 wheel 4096 Jun 28 12:04 | Installer.py

| drwxrwxrwx 1 54323 wheel 0 Jun 28 12:04 | init_.py

| drwxrwxrwx 5 54323 wheel 4096 Jun 29 13:15 | core

| drwxrwxrwx 5 54323 wheel 4096 Jun 29 13:15 | framewoxk

| drwxrwxrwx 7 54323 wheel 4096 Jul 2 10:47 | Executations | Executations
```

Enter the following command

python3.8 runInstaller.py

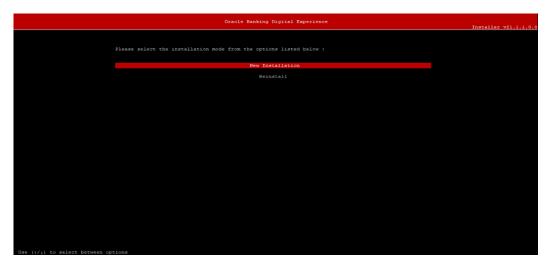
Select the appropriate host system for Installation



Oracle FLEXCUBE Universal Banking (OBAPI with UBS)

Select Installation mode



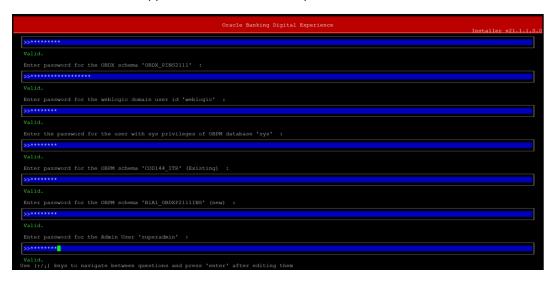


Mode of Installation - New Installation

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



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



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



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





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



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

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5. Installation using Silent Mode

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

What is silent-mode installation?

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

Steps for Silent-Mode Installation

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

```
[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=welcome1
[devops@obdxwls OBDX_Installer]$ export EHMS_SCHEMA_PASS=welcome1
[devops@obdxwls OBDX_Installer]$ export EHMS_SCHEMA_PASS=welcome1
[devops@obdxwls OBDX_Installer]$ export DBAuthPassword=welcome1
[devops@obdxwls OBDX_Installer]$ export DBAuthPassword=welcome1
```

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

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



MODE	Mode of installation.	export MODE=New
	'New' 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 ** Only required for UBS & OBPM Host.	Password of existing EHMS HOST schema (Existing)	export EHMS_HOST_SCHEMA_NAME _PASS =obapiehmshost
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 'OBAPI' for Third Party System 1.0 (OBAPI with THP)	export FLAVOUR=OBAPI
Environment variables to set for flavor:	Mode	Mode of installation. 'New' in-case of a fresh installation of OBAPI for the first run on server 'Clean' in-case of an existing OBAPI installation that you want to overwrite OR in case of a previously failed installation or reinstallation	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.

```
Gevops@cbdevis OBDX_installer[5 python5.8 ruminstaller.py

>>> STARTING OBDX PRODUCT INSTALLATION <<<</td>

Certing OBDX Database Installation with OBPM FLAVOR
Traceling Tablespace...
Fablespace Created

Parting OBDX.

Traceling Role...

Parting OBDX stabase Installation with OBPM FLAVOR
Traceling Role...

Parting OBDX stabase Installation on progess...Please hold on it might take sometime

BRX Soripts execution Successfully

BRX Soripts execution Successfully

BRX Soripts execution Successfully

Braceling Tablespace...

Tasking Taskin
```

When the installation completes, the below message is displayed

```
realiables/app/components/individuals/digx-security.war), to obta_cluster.>

(un 4, 2021 | 1147):18 MUTO. info. (202E Deployment SPI) dEEA-50(21) <initiating deploy operation for application, digx-security [archive: /scratch/obdx/OBIX_Installer/installed1es/app/components/individuals/digx-security.war), to obds_cluster.>

(initiating deploy operation for application, digx-sms [archive: /scratch/obdx/OBIX_Installer/installed1es/app/components/individuals/digx-sms.var), to obds_cluster.>

(initiating deploy operation for application, digx-sms.[archive: /scratch/obdx/OBIX_Installer/installed1es/app/components/individuals/digx-sms.var), to obds_cluster.>

(initiating deploy operation for application, digx-sms.application, digx-sms.application, digx-sms.application, digx-sms.application, digx-smc.application, digx-smc.application
```



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6. Installer Verification

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

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



Check all the logs for any errors.

Home



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	V	NA
		Create Schema and Role	V	√ (drop and recreate objects)
	ODADI DD Catur	Grants	√	√
	OBAPI DB Setup	Load DB object (DDL's and DML's)	V	√
		Compile Schema	√	√
		Policy Seeding	√	√
	Weblogic Setup and Configuration	Create and Configure AdminServer, Machine, Managed Server and Cluster	V	√
OBAPI with THP		Configure NodeManager	√	√
		Configure JDBC	√	√
		JMS servers, Persistent stores and JMS Modules	V	√
		Application Deployment	√	√
		JTA	√	√
		Enable Production Mode	V	√
		Start AdminServer and NodeManager	V	√
	OBAPI Configuration	Copy config files into OBAPI Installation Home	V	√ (Delete old and copy new from installer zip)



Flavor: Oracle FLEXCUBE Core Banking (OBAPI with FCORE)

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



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



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

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



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

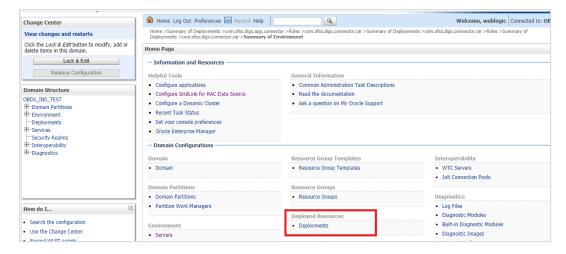
Home



8. Post Installation Steps

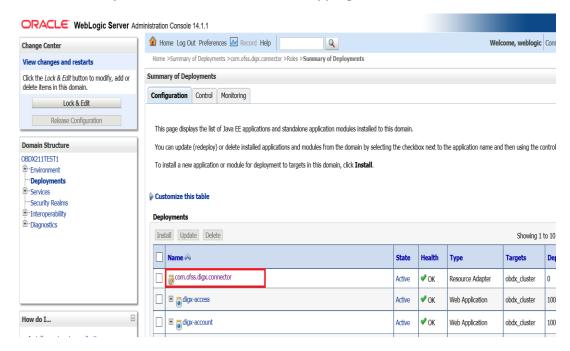
Outbound credential mappings

Login Weblogic Admin Console. Click on Deployments.

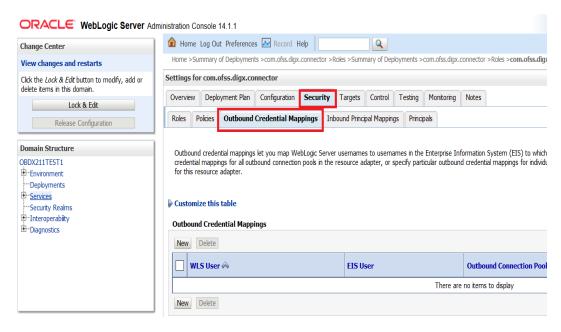


Click on com.ofss.digx.connector

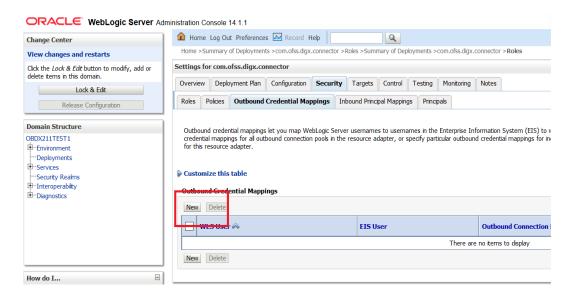
Click on Security Tab > Outbound Credential Mappings





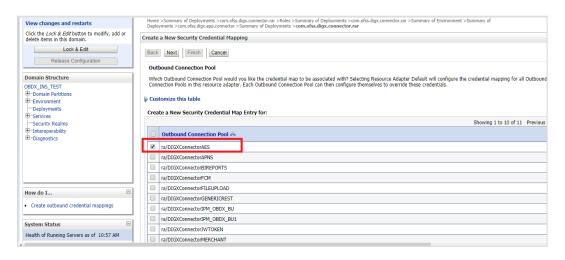


Click on New

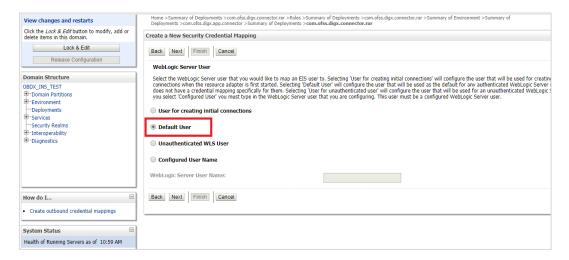


Select ra/DIGXConnectorAES > Next



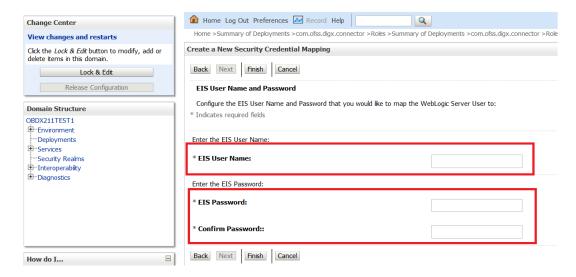


Select "Default User" > Next



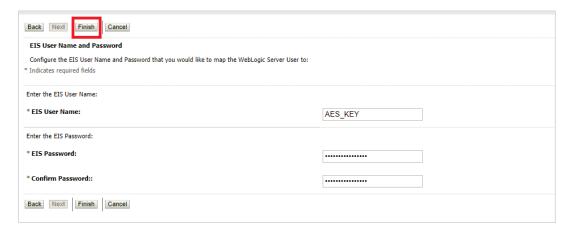
Enter "EIS User Name" should be set to AES_KEY

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





Click 'Finish'



Check AES_KEY mapping is created successfully.



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

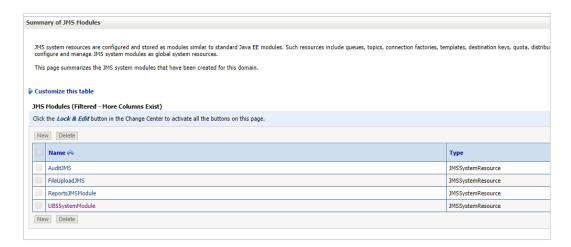
Oracle FLEXCUBE Universal Banking (OBAPI with UBS)

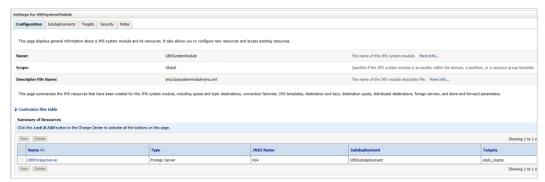
If during installer execution Oracle FLEXCUBE Universal Banking (OBAPI with UBS) is selected, then below steps needs to be done manually.

Foreign Server

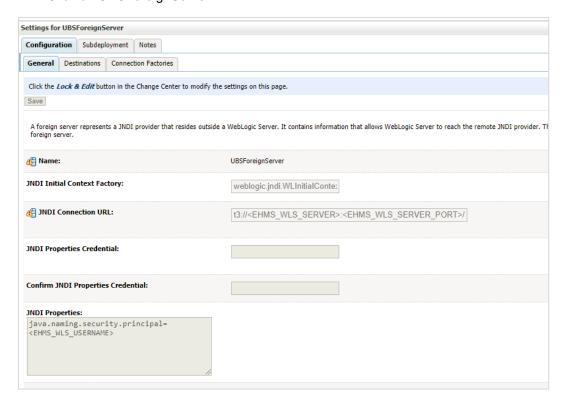
 Login into Weblogic Admin console (OBAPI domain created using installer) and Browse to Summary of JMS Modules > UBSSystemModule (as shown below)





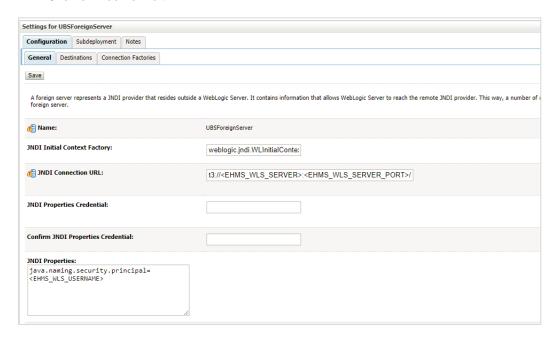


Click on UBSForeignServer





Click on Lock & Edit



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).

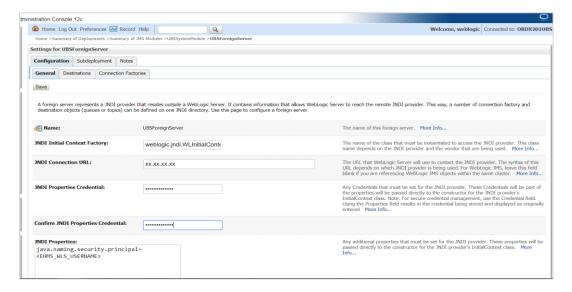
JNDI Properties Credential – Password for username set in JNDI properties

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

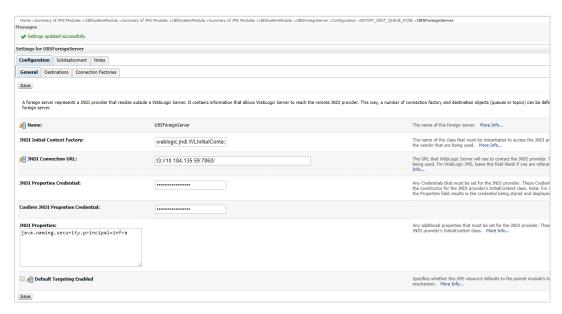
JNDI Properties – Value to be set as "java.naming.security.principal=<EHMS_WLS_USERNAME>", where

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

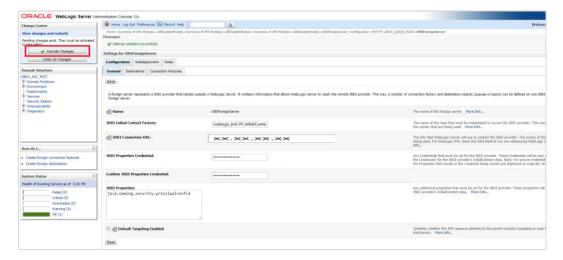
Click on Save

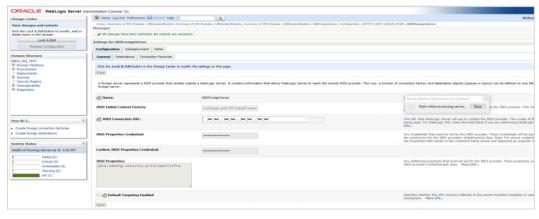






Click on Activate Changes







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)



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.



OHS

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

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

Oracle Banking 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.

WAR deployments and dependencies

	Mandatory deployment				
Sr No					
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			



	Optional WAR deployment						
Sr. No	War	Dependent Modules	Functionality				
1	digx-access		Account and transaction access management for party and user				
2	digx-oauth		oAuth Maintenance				
3	digx-accountaggregation		Account aggregation feature allows retail users to link their external bank accounts to OBAPI. To set up the transaction access logic for Bank's retail customers from OBAPI based on their account -mode of operation or				
4	digx-accountrelationship		relationship.				
5	digx-analytics		Capturing UI events for analytics				
_	, <u>, , , , , , , , , , , , , , , , , , </u>	digx-content	Associated Party Management for				
6	digx-associatedparty	digx-scf	corporate user				
7	digx-berlinaisp	digx-obc	Berlin Open Banking Accounts				
8	digx-berlinpiisp	digx-obc	Berlin Open Banking Funds Confirmation				
9	digx-berlinpisp	digx-obc	Berlin Open Banking Payments				
	a.g/t worm/prop	digx-common	John Jammig Laymond				
10	digx-budget	digx-payment digx-spendanalysis	Budget management for retail user				
11	digx-bulkadmin		File upload maintenances for admin				
12	digx-bulkcms	digx-bulkadmin	File upload in Cash management for corporate user				
13	digx-bulkinvoice	digx-bulkadmin	File upload in Invoice management for corporate user				
14	digx-bulkpayment	digx-bulkadmin	File upload in Payments for corporate user				
15	digx-bulkscf	digx-bulkadmin	File upload in Supply chain finance for corporate user				
16	digx-bulktradefinance	digx-bulkadmin digx-tradefinance	File upload in Trade finance for corporate user				
17	digx-bulkvam	digx-bulkadmin digx-vam	File upload in Virtual account management for corporate user				
18	digx-card	digx-payment digx-dda digx-location	Credit card operations for retail user				
19	digx-chatbot		Chatbot functionality for retail and corporate user				
20	digx-cms	digx-associatedparty digx-dda digx-forexdeal digx-invoice digx-pm	Cash management module for 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.
	P		File document upload, read and deletion related operation by
22	digx-content	diay processmenagement	retail, corporate and admin users.
23	digx-creditfacility	digx-processmanagement digx-content	Credit facility module for corporate user
23	digx-creditiacility	digx-dda	Corporate user
		digx-account	
		digx-content	
		digx-location	┤ <u>-</u> , , , , , , , , , , , , , , , , , , ,
24	diay oban	digx-location digx-card	Electronic bill payments for retail
24	digx-ebpp	digx-card	user
25	digx-extxfacesimulator		Simulator for Third Party Host Implementation
	3		Feedback module for retail and
26	digx-feedback	digx-security	corporate user
	a.gr. roomac.	digx-payment	
27	digx-forexdeal	digx-pm	Forex deal for corporate user
	digr. 10.0/1000	digx-common	
		digx-content	
		digx-payment	
28	digx-goal	digx-dda	Goal module for retail user
	a.g.r. goa.		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
	3	J	Liquidity management module for
31	digx-liquiditymanagement	digx-forexdeal	corporate user
		digx-dda	·
		digx-location	Loan module for retail and
32	digx-loan	digx-payment	corporate user
		digx-loan	<u> </u>
		digx-account	
			Loan origination module for
33	digx-loanapplication	digx-processmanagement	corporate user
34	digx-location		Location module for retail and corporate user
	sign modilo	diax-content	
36	diax-nlp		Invoice Creation and Automatic
33 34 35	digx-loanapplication digx-location digx-mobile digx-nlp	digx-account digx-content digx-creditfacility	Location module for retacorporate user Mobile module Enables corporate users perform operations like a



			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
- 00	angx paymont	argx warret	
40	digx-pm		Product maintenance related operations
41	digx-processmanagement		
		digx-security	
		digx-user	
		digx-sms	
		digx-payment	
		digx-party	Report module for retail anc
42	digx-report	digx-dda	corporate user
43	digx-rewards		Rewards module for retail user
		digx-associatedparty	
		digx-invoice	Supply chain finance module for
44	digx-scf	digx-pm	corporate user
45	digx-smsbanking		SMS banking
46	digx-social		Twitter Payments
70	aigh oodial	digx-dda	
47	digx-spendanalysis	digx-payment	Spend analysis module for retail user
71	alga opolicalialysis	digx-dda	4001
48	digx-sr	digx-content	Service request module
70	alga oi	digx-dda	Corvido request modulo
		digx-location	Torm deposit module for retail
49	digx-td	digx-payment	Term deposit module for retail and corpoarte user
73	uigh tu	digx-content	and corposite user
		digx-creditfacility	
		digx-dda	Tuesda financia de la fina
50	diay-tradefinance		Trade finance module for
30	digx-tradefinance	digx-forexdeal	corporate user
E 4	diay ukojen	diay obc	LIK Open Booking Assessment
51	digx-ukaisp	digx-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.



9. OBAPI Logging Configuration

Logging Configuration in WebLogic Standard Edition

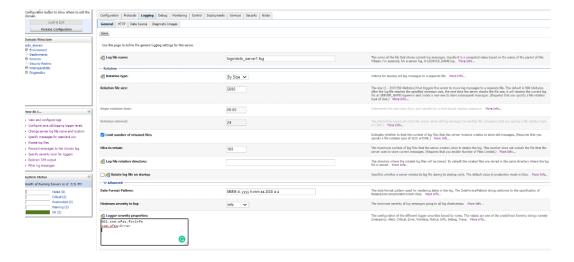
WebLogic converts the **java.util.logging** levels into WebLogic Logging Levels when we use Platform Loggers. Refer Table (Fig-A) for Logging Level conversion. (**Case Sensitive**)

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)





10. OBAPI Product Verification

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

			1		
	Active	У ОК	Resource Adapter	obdx_cluster	0
⊞ @ digx-access	Active	⊘ ОК	Web Application	obdx_cluster	100
⊞	Active	✓ ОК	Web Application	obdx_cluster	100
★ in digx-accountaggregation	Active	✓ ОК	Web Application	obdx_cluster	100
★ in digx-accountrelationship	Active	✓ ОК	Web Application	obdx_cluster	100
⊞	Active	✓ OK	Web Application	obdx_cluster	100
⊞	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
1	Active	✓ ОК	Web Application	obdx_cluster	100
1	Active	✓ ОК	Web Application	obdx_cluster	100
⊞	Active	⊘ ОК	Web Application	obdx_cluster	100
∄ digx-berlinpisp	Active	✓ ОК	Web Application	obdx_cluster	100
∄	Active	✓ ОК	Web Application	obdx_cluster	100
∄	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

⊞	Active	✓ ок	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
digx-bulktradefinance	Active	✓ ок	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
∄	Active	✓ ок	Web Application	obdx_cluster	100
∄	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
⊞	Active	✓ ок	Web Application	obdx_cluster	100
digx-cutoff	Active	✓ ок	Web Application	obdx_cluster	100
∄	Active	✓ ок	Web Application	obdx_cluster	100
∄	Active	✓ ок	Web Application	obdx_cluster	100
digx-eurekaserver digx-eurekaserver	Active	✓ ок	Web Application	obdx_cluster	100
■ @ digx-extxfacesimulator	Active	✓ ок	Web Application	obdx_cluster	100
∄	Active	✓ ок	Web Application	obdx_cluster	100
■ @ digx-finlimit	Active	✓ ок	Web Application	obdx_cluster	100
		- 010	Tree / pp.neution	0000_00000	***



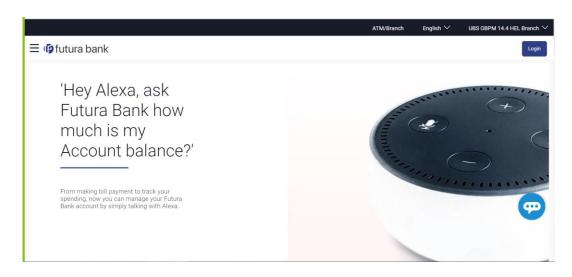
■	Active	⊘ ок	Web Application	obdx_cluster	100
■ @digx-goal	Active	✓ ОК	Web Application	obdx_cluster	100
⊞	Active	У ОК	Web Application	obdx_cluster	100
■ digx-invoice	Active	✓ ОК	Web Application	obdx_cluster	100
⊞	Active	У ОК	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
⊞ @ digx-loanapplication	Active	⊘ ок	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
⊞	Active	⊘ ок	Web Application	obdx_cluster	100
⊞	Active	⊘ ок	Web Application	obdx_cluster	100
1	Active	✓ ок	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
⊞ @digx-obc	Active	✓ ок	Web Application	obdx_cluster	100
⊞	Active	⊘ ок	Web Application	obdx_cluster	100
⊞ @digx-party	Active	✓ ок	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
∄	Active	✓ ок	Web Application	obdx_cluster	100
⊞ @digx-report	Active	✓ ок	Web Application	obdx_cluster	100
🖹 📵 digx-rewards	Active	⊘ ок	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
☐ digx-security	Active	✓ ок	Web Application	obdx_cluster	100
figy-shared-libs (21.1.0.0.0,312)	Active		Library	AdminServer, obdx_cluster	0
⊞ @ digx-sms	Active	⊘ ок	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
⊞ @ digx-social	Active	✓ ок	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
⊞ @digx-sr	Active	✓ ок	Web Application	obdx_cluster	100
⊞ ⊚ digx-td	Active	У ок	Web Application	obdx_cluster	100
B	Active	⊘ ок	Web Application	obdx_cluster	100
⊞	Active	У ОК	Web Application	obdx_cluster	100
⊞	Active	✓ ок	Web Application	obdx_cluster	100
⊞ a digx-ukpisp	Active	✓ ОК	Web Application	obdx_cluster	100
B adigx-user	Active	✓ ок	Web Application	obdx_cluster	100
⊞ odigx-vam	Active	✓ ОК	Web Application	obdx_cluster	100
	Active	✓ ок	Web Application	obdx_cluster	100
i digx-wallet	Active				
£ @ dipx-wallet € @ dipx-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_O (PROP_ID, PREFERENCE_NAME, PROP_VALUE,
DETERMINANT_VALUE, CREATED_BY, CREATION_DATE, LAST_UPDATED_BY,
LAST_UPDATED_DATE)
values
('obapi.host.account.uniqueness','ExtSystemsConfig','BRANCH','<ENTITY_ID>','ofss
user',sysdate,'ofssuser',sysdate);

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

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



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 OBPM DB port :

Enter the OBPM DB port :

Enter the OBPM DB port :

Enter the OBPM SID :

Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :

Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :

Enter the username with 'sys' privileges :

Enter password for the user with sys privileges :

Enter existing weblogic admin password :

Solution (JA) keys to navigate between questions and press 'enter' after editing them
```

Enter below details:

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



```
Enter the existing OBFM host schema name :

Enter the password for existing OBFM host schema :

Enter new OBPM BIAl schema name :

Enter new Schema password :

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.

When the installation completes, the below message is displayed



```
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 OBDXBU2_B1Al

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_B1Al 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:

```
[Ubdagage Marght om 202 OBDX_Installer]$ python3 runInstaller.py Execution of DB script for OBDXBU4 started Executed DIGX_FW_CONFIG_ALL_O.sql successfully Execution completed.
```

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 port :

Enter the FCORE DB port :

Enter the FCORE DB port :

Enter the FCORE SID :

Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :

Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :

Enter the username with 'sys' privileges :

Enter the username with 'sys' privileges :

Enter password for the user with sys privileges :

Enter existing weblogic admin password :

Enter existing weblogic admin password :

Solution (1/1) keys to navigate between questions and press 'enter' after editing them
```

```
Enter the FCORE DB hostname :

ShmumaeOl2.in.oracle.com

Valid.

Enter the FCORE DB port :

Shigo

Valid.

Enter the FCORE SID :

Shobdadas.in.oracle.com

Valid.

Enter the Directory name for Tablespace creation (DBA_DIRECTORIES) :

Shobdadas.in.oracle.com

Valid.

Enter the username with 'sys' privileges :

Shya

Valid.

Enter the username with 'sys' privileges :

Shya

Valid.

Enter password for the user with sys privileges :

Show

Valid.

Enter existing weblogic admin password :

Show

Valid.

Enter existing weblogic admin password :
```

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



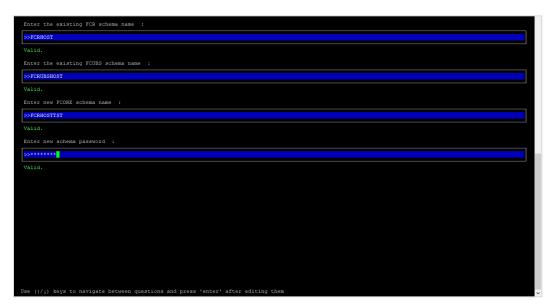
```
Enter the existing FCUBS schema name :

Enter the existing FCUBS schema name :

Enter new FCORE schema name :

Enter new schema password :

Use (1/1) keys to navigate between questions and press 'enter' after editing them
```



Enter below details:

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



Installation status for FCORE Add entity

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

```
Starting FCORE Database Installation...
Creating Tablespace...
Tablespace Created
Creating User...
User Created
Creating Role...
Roles Created
Executing Grants...
FCORE Scripts execution on progess...Please hold on it might take sometime
Scripts execution Successfully
SUCCESSFULLY installed FCORE database
Executed DIGX_FW_CONFIG_ALL_O.sql successfully
```

```
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_BlAl

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_BlAl created successfully.

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=welcome1
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_DATABASE_SID=obdxdb.in.oracle.com
OBDX_Installer]$ export ENTITY_EHMS_DATABASE_SYS_USER=sys
OBDX_Installer]$ export ENTITY_EHMS_DATABASE_SYS_USER=sys
OBDX_Installer]$ export ENTITY_EHMS_DATABASE_SYS_PASS=welcome1
OBDX_Installer]$ export ENTITY_EHMS_SCHEMA_NAME=welcome1
OBDX_Installer]$ export ENTITY_EHMS_SCHEMA_PASS=welcome1
OBDX_Installer]$ export ENTITY_EHMS_HOST_SCHEMA_NAME_FCUBS140
OBDX_Installer]$ export ENTITY_EHMS_HOST_SCHEMA_NAME_PASS=welcome1
OBDX_Installer]$ export ENTITY_EHMS_HOST_SCHEMA_NAME_PASS=FCUBS140
OBDX_Installer]$ export ENTITY_EHMS_HOST_SCHEMA_NAME_PASS=FCUBS140
OBDX_Installer]$ export ENTITY_EHMS_HOST_SCHEMA_NAME_PASS=FCUBS140
OBDX_Installer]$ export ENTITY_EHMS_HOST_SCHEMA_NAME_PASS=FCUBS140
OBDX_Installer]$ export ENTITY_EHMS_CCY=GB
OBDX_Installer]$ export ENTITY_EHMS_CCY=GB
```

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
	Enter only the name 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
	**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	FCORE-FCUBS HOST schema name	export ENTITY_EHMS_FCORE_FCU BS_SCHEMA_NAME=FCRU BSHOST
	only required for FCORE		
Environment variables to	Entity_Code	Entity code which has been entered from screen	export Entity_Code=OBDX_BU1
set for flavor: OBAPI (Third- party HOST)	SCHEMA_PASS	Password for existing OBAPI schema	export SCHEMA_PASS=welcome1

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



```
[devops@
[devops@
                   /]$ export Entity Code=OBDX BU7
                   /]$ export SCHEMA PASS=devops#obdx182
[devops@
[devops@
                   /]$ export ENTITY EHMS DATABASE HOSTNAME= XX.XX.XX
[devops@
                   /]$ export ENTITY EHMS DATABASE PORT=1521
                   /]$ 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
/]$ export ENTITY EHMS DATABASE SYS PASS=devops@sys
/]$ export ENTITY EHMS SCHEMA NAME=OBDXEHMS
/]$ export ENTITY EHMS SCHEMA PASS=devops#ehms
[devops@
[devops@
[devops@
[devops@
                   /]$ export ENTITY EHMS HOST SCHEMA NAME=FCUBS140
[devops@
[devops@
                   /]$ export ENTITY EHMS HOST SCHEMA NAME PASS=FCUBS140HST
                   /]$ export WLS DOMAIN PASS=weblogic182
[devops@
[devops@
                   /]$ export ENTITY EHMS CCY=GB
[devops@
                   /]$ python runInstaller.py --silent --addEntity
```

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

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

When the installation completes, the below message is displayed

```
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 OBDXBU2_BIAl

Starting an edit session ...

Started edit session, be sure to save and activate your changes once you are done.

Activating all your changes, this may take a while ...

The edit lock associated with this edit session is released once the activation is completed.

Activating ompleted

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] OBDX_Installer]$ python runInstaller.py --silent --addEntity
Password validated for OBDX_183IN3
Execution of DB script for OBDX_BU1 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



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



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

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

Key pointers;

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



16. Troubleshoot Overview

This section describes how to troubleshoot OBAPI setup.

Invalid database password

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

If you get the following error:

Try one of the following:

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

cx oracle module

This topic contains troubleshooting information about problems with cx_Oracle python module.

If you get the following error:

```
Python 2.7.5 (default, Sep 5 2016, 02:30:38)
[OCC 4.8.5 20150623 (Red Hat 4.8.5-9)] on linux2
Type "help", "copyright", "credits" or "license" for more information.
>>> import cx_Oracle
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
ImportError: libclntsh.so. cannot open shared object file: No such file or directory
>>> exit()

opt|$
```



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 (default, Apr 11 2018, 17:41:36)
[GCC 4.8.5 20150623 (Red Hat 4.8.5-28.0.1)] on linux2
Type "help", "copyright", "credits" or "license" for more information.
>>> import cx_Oracle
>>> cx_Oracle.__version__
'7.3_0'
```

Failed Database Scripts

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

If you get the following error in DB_installation.log:

```
2017-07-13 13:45:41,051 DEBUG Executed /scratch/jenkins/OBDX_Installer/ExecInstances/13Jul1338/db/UBS/seed/MSTFORNATS.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 13:45:41,796 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
 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.acil.logging.fileHandler.paccern %"/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$s%n
# Limit the message that are printed on the console to INFO and above.
java.util.logging.ConsoleHandler.level = OFF
java.util.logging.ConsoleHandler.formatter = java.util.logging.SimpleFormatter
# default file output is in user's home directory.
#java.util.logging.FileHandler.pattern = %h/java%u.log
java.util.logging.FileHandler.pattern = /scratch/Task.log
java.util.logging.FileHandler.limit = 50000
java.utii.logging.FileHandier.count = I
#java.util.logging.FileHandler.formatter = java.util.logging.XMLFormatter
java.util.logging.FileHandler.formatter = java.util.logging.SimpleFormatter
java.util.logging.SimpleFormatter.format= [%1$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.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.xx:1521/OBAPI

Post successfully execution, restart Managed server.

