

OBO and Third Party Setup and Configuration Guide  
Oracle Banking Digital Experience  
Patchset Release 22.1.0.0.0

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OBO and Third Party Setup and Configuration 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 Digital Experience Release 22.1.0.0.0, refer to the following documents:

- Oracle Banking Digital Experience Installation Manuals

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## 2. Introduction

This document is intended for setting up OBDX 21.1.1.0 originations with OBO 14.4 and Third Party releases.

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# 3. Database Configuration

Following configurations need to be done post installation

## 3.1 System Configuration

Please complete day one maintenance from admin screen. Please refer 'User Manual Oracle Banking Digital Experience System Configuration.docx' document for day one maintenance. These are mandatory configurations for application to work. It should be completed before using the application.

### Origination specific fields

The screenshot shows the Futura Bank admin configuration interface. It features a top navigation bar with the Futura Bank logo, a search bar, and a user profile section for 'Administrator User'. The main content area is divided into two sections: 'System Configuration' and 'Origination specific fields'. Each section has a left-hand menu with expandable categories and a main table of configuration parameters.

Category	Field Name	Value	Field Name	Value	
System Configuration	Wallet Product Code	WALLET	RPM BP CHANNEL	OBDX	
	RPM Entity Id	DEFAULTENTITY	RPM Document User Id	OBDX	
	External Funding Supported	true	Student Loan Disclaimer Supported	Y	
	Issuer List	ICICI,SBI	App Expiring Days	90	
	RPM Document Host port	7000	Microblink Host IP address	whf00xxxx	
	Purging Days	0	RPM BP Host port	7000	
	RPM Host port	7000	App Expiring Days	90	
	RPM Document Branch Code	006	RPM BP User ID	OBDX	
	RPM Branch Code	006	RPM Host IP address	10.4xxxxx	
	CC Balance Transfer Supported	N	Maximum Add On cards	3	
	RPM Multilingual Check Required	true	RPM Authorization token	Y	
	Microblink Host port	8000	Maximum Card Balance Transfer	3	
	Origination specific fields	RPM APP ID	PRTONB	RPM BP APP ID	OBREMOBDETAILS
		RPM USER ID	OBDX	RPM Application APPID	RPMPROCESSDRIVER
OCR Authorization token		Y	RPM Document Host IP address	10.xxxxxxx	
RPM BP Branch Code		006	Inactive KYC allow flag	Y	
RPM Document Authorization		Y	RPM Document APP ID	CMNCORE	
Application Limit		2000	RPM BP Host IP address	10.4xxxxx	
RPM Application Trakcer APPID		RPMPROJECTION	OCR Document Categories	DL,DLFrontSide,DLBackSide,NID	
RPM Wallet Branch Code		001	Customer Subtype	INDIVIDUAL	
Insta Account Products		INSAC1,INSCUR,INSTDA,WALLET1	No of Days for Re-KYC	Low,720,Medium,365,High,180	

**Description of fields under origination tab:**

<b>Configuration of OBPY API:</b>	
OBO Host Ip Address	Hostname of OBPY system
OBO Host Port	Port number of OBPY System
OBO App Id	App id for OBPY rest.
OBO User Id	User Id for OBPY rest
OBO Branch code	Branch code for OBPY rest.
<b>Configurations of OBO API:</b>	
OBO BP Host Ip Address	Hostname of OBO system
OBO BP Host port	Port number of OBO System
OBO BP APP ID	App id for OBO API
OBO BP User ID	User ID for OBO rest
OBO BP Branch code	Branch code for OBO rest
OBO BP Channel	Channel for OBO rest
OBO Entity Id	Entity ID of OBO
OBO Wallet Branch Code	Branch code used to open wallet branch code
<b>Configuration of Application API</b>	
OBO Application App Id	App id for Application rest
OBO Authorization token	Authorization token for OBO for Application rest
<b>Configuration of Document API</b>	
OBO Document Host IP address	Hostname for document API
OBO Document Host Port	Port number for document API
OBO Document App Id	App id for OBO document API
OBO Document User Id	User ID for OBO Document API
OBO Document Branch Code	Branch code for OBO Document API.
OBO Document Authorization	Authorization token for document API
<b>Configuration of Microblink (OCR):</b>	

<b>Configuration of OBPY API:</b>	
Microblink Host Ip Address	Hostname for OCR API.
Microblink Host port	Port number for OCR API.
OCR Authorization token	Authorization token for OCR API
OCR Document Categories	Document categories eligible for OCR
<b>Application tracker Configuration:</b>	
OBO Application tracker APPID	App id for OBO application tracker API
App Expiring Days	Days window used for setting application Expiry date
Application Limit:	Offset value for Application Tracker API
Purging Days:	Days window for which application is active.
<b>Credit Card Configuration:</b>	
Maximum Card Balance Transfer	Maximum number of Card Balance transfer supported
Issuer List	List of issuers separated by comma
CC Balance Transfer Supported	Should be set to "Y" if balance transfer is supported.
Maximum Add on Cards	Maximum number of Add on card.
<b>Other Configuration:</b>	
OBO Multilingual Check required:	Default value: false. Can be set to true if multilingual hooks required for product catalogue.
Student Loan Disclaimer Supported	Y/N should be set to Y if disclaimer pop-up is required for student loan.
Inactive KYC allow flag	Should be set to Y if applicant is allowed to apply for product in case of inactive KYC.
External Funding Supported	Should be set to "true" if External Funding is supported.
Wallet Product Code	Business product code of wallet product.
Customer Subtype	"Customer subtype" tag value for OBO API
Insta Account Products	Comma separated business product codes which are insta products.



<b>Configuration of OBPY API:</b>	
No of Days for Re-KYC	No of days for Re-KYC as per Risk category. Eg. "Low,720,Medium,365,High,180"  Here 720 days is validity of KYC for Low risk category level. 365 days is for medium and 180 days for High risk application. No of days as per risk category is configurable.

## 3.2 Additional (functional) Configuration

### 3.2.1 Configuring Repository adapter for Application:

- **OBO Host Configuration:**

No Configuration required.

- **Third Party Configuration:**

If local (database) storage is required for third party entity following query needs to be executed.

```
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
('RPM_APPLICATION_REPOSITORY_ADAPTER','RepositoryAdapterFactories','com.ofss.digx.domain.origination.entity.application.repository.adapter.LocalApplicationRepositoryAdapter,com.ofss.digx.domain.origination.entity.application.repository.adapter.RemoteApplicationRepositoryAdapter','OBDX_BU',null,sysdate,'ofssuser',sysdate);
```

### 3.2.2 Configuring Repository adapter for Application Tracker:

- **OBO Host Configuration:**

No Configuration required.

- **Third Party Configuration:**

If local (database) storage is required for third party entity following query needs to be executed.

```
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
('APPLICATIONTRACKER_REPOSITORY_ADAPTER','RepositoryAdapterFactories','com.ofss.digx.domain.origination.entity.application.repository.adapter.LocalApplicationTrackerRepositoryAdapter,com.ofss.digx.domain.origination.entity.application.repository.adapter.RemoteApplicationTrackerRepositoryAdapter',<ENTITY_ID>,null,sysdate,'ofssuser',sysdate);
```

### 3.2.3 Configuring Repository adapter for Product Documents

- **OBO Host Configuration:**

No Configuration required.

- **Third Party Configuration:**

If bank wants to fetch list of documents from OBDX local storage then a separate entry in DIGX\_FW\_CONFIG\_ALL\_O table is required.

```
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 ('PRODUCT\_DOCUMENT\_REPOSITORY\_ADAPTER', 'RepositoryAdapterFactories', 'com.ofss.digx.domain.origination.entity.product.repository.adapter.LocalProductRepositoryAdapter', '<Entity ID>', null, SYSDATE, 'ofssuser',SYSDATE);

**Note:** This local storage table for product documents is DIGX\_OR\_PRODUCT\_DOCUMENTS

Insert queries as per the below screenshot of this table

ID	CATEGORY	NAME	DESCRIPTION	MANDATORY	PRODUCT_CODE	PRODUCT_CATEGORY	CREATED_BY	CREATION_DATE	LAST_UPDATED_BY	LAST_UPDATED_DATE	OBJECT
1	DOC1 Address Proof	Aadhaar card	Aadhaar card	N	OBDSJ	SAVINGSH1	ofssuser	10-JUL-20 08.09.03.0000000000 AM	ofssuser	10-JUL-20 08.09.03.0000000000 AM	A
2	DOC17 Address Proof	Aadhaar card	Aadhaar card	N	OBDCP	CHECKINGH1	ofssuser	10-JUL-20 08.09.03.0000000000 AM	ofssuser	10-JUL-20 08.09.03.0000000000 AM	A
3	DOC19 Address Proof	Aadhaar card	Aadhaar card	N	OBXCA	CHECKINGH1	ofssuser	10-JUL-20 08.09.03.0000000000 AM	ofssuser	10-JUL-20 08.09.03.0000000000 AM	A
4	DOC21 Id Proof	DL	Driving license	N	OBDSJ	SAVINGSH1	ofssuser	10-JUL-20 08.09.03.0000000000 AM	ofssuser	10-JUL-20 08.09.03.0000000000 AM	A
5	DOC22 Id Proof	DL	Driving license	N	SAADVT	SAVINGSH1	ofssuser	10-JUL-20 08.09.03.0000000000 AM	ofssuser	10-JUL-20 08.09.03.0000000000 AM	A
6	DOC23 Id Proof	DL	Driving license	N	OBDCP	CHECKINGH1	ofssuser	10-JUL-20 08.09.03.0000000000 AM	ofssuser	10-JUL-20 08.09.03.0000000000 AM	A
7	DOC24 Id Proof	DL	Driving license	N	OBXCA	CHECKINGH1	ofssuser	10-JUL-20 08.09.03.0000000000 AM	ofssuser	10-JUL-20 08.09.03.0000000000 AM	A
8	DOC3 Address Proof	Aadhaar card	Aadhaar card	N	SAADVT	SAVINGSH1	ofssuser	10-JUL-20 08.09.03.0000000000 AM	ofssuser	10-JUL-20 08.09.03.0000000000 AM	A
9	DOC10 Id Proof	PAN Card	PAN Card	N	OBDFPL	PERSONALLOANH1	ofssuser	04-JUL-20 04.24.43.0000000000 PM	ofssuser	04-JUL-20 04.24.43.0000000000 PM	A
10	DOC11 Proof of Income	Property Documents	Property Documents	N	OBXAL	AUTOLAANH1	ofssuser	04-JUL-20 04.24.43.0000000000 PM	ofssuser	04-JUL-20 04.24.43.0000000000 PM	A
11	DOC12 Proof of Income	Salary Proof	Salary Proof	N	OBXAL	AUTOLAANH1	ofssuser	04-JUL-20 04.24.43.0000000000 PM	ofssuser	04-JUL-20 04.24.43.0000000000 PM	A
12	DOC13 Proof of Identity and Address	Aadhaar card	Aadhaar card	N	OBXAL	AUTOLAANH1	ofssuser	04-JUL-20 04.24.43.0000000000 PM	ofssuser	04-JUL-20 04.24.43.0000000000 PM	A
13	DOC14 Address Proof	DL	Driving license	N	OBXAL	AUTOLAANH1	ofssuser	04-JUL-20 04.24.43.0000000000 PM	ofssuser	04-JUL-20 04.24.43.0000000000 PM	A
14	DOC15 Proof of Identity and Address	Passport	Passport	N	OBXAL	AUTOLAANH1	ofssuser	04-JUL-20 04.24.43.0000000000 PM	ofssuser	04-JUL-20 04.24.43.0000000000 PM	A
15	DOC16 Id Proof	PAN Card	PAN Card	N	OBXAL	AUTOLAANH1	ofssuser	04-JUL-20 04.24.43.0000000000 PM	ofssuser	04-JUL-20 04.24.43.0000000000 PM	A
16	DOC18 Id Proof	PAN card	PAN card	N	OBDCP	CHECKINGH1	ofssuser	04-JUL-20 04.24.43.0000000000 PM	ofssuser	04-JUL-20 04.24.43.0000000000 PM	A
17	DOC2 Id Proof	PAN card	PAN card	N	OBDSJ	SAVINGSH1	ofssuser	04-JUL-20 04.24.43.0000000000 PM	ofssuser	04-JUL-20 04.24.43.0000000000 PM	A

Sample query is given below for reference:

```
Insert into DIGX_OR_PRODUCT_DOCUMENT
(ID,CATEGORY,NAME,DESCRIPTION,MANDATORY,PRODUCT_CODE,PRODUCT_CATE
GORY,CREATED_BY,CREATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE,O
BJECT_STATUS,OBJECT_VERSION_NUMBER) values ('DOC1','Address Proof','Aadhaar
card','Aadhaar card','N','OBDSJ','SAVINGSH1','ofssuser',SYSDATE,'ofssuser',SYSDATE,
'A',21);
```

### 3.2.4 Configuring Repository adapter for Mid Office Content Repository

- **OBO Host Configuration:**

No Configuration required.

- **Third Party Configuration:**

Please execute following query this will fetch content from local database.

```
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
('MO_CONTENT_REPOSITORY_ADAPTER','RepositoryAdapterFactories','com.ofss.digx.do
main.content.entity.repository.adapter.LocalContentRepositoryAdapter','OBX_BU',null,sysd
ate,null,null);
```

### 3.2.5 Configuring Adapter Preference for Entity

- **OBO Host Configuration:**

Execute following query to find adapter preference of the entity.

```
select * from digx_fw_config_all_o where prop_id = 'OBX_BU';
```

Update prop value of above selected record such that **RPM14.4 should be after UBS12.4**

Sample adapter preference as below.

UBS14.4,UBS14.3,UBS14.2,UBS14.1,UBS14.0,UBS12.4,  
**RPM14.4**,OBCL14.3,OBCLPM14.3,ELCM14.3,OBVAM14.4,OBVAM14.3,OBSCF14.4,OBSC  
 F14.3,ASP14.4,INV14.4,CMS14.4,OBCFPM14.4,OBCFPM14.3,OBLM14.4,OBLM14.2,OBIC  
 14.4,OBTF14.4,MIDOFFICE1.0,TP1.0

**Execute following query to update adapter preference.**

```
update digx_fw_config_all_o set prop_value='<Updated_Adapter_Preferences>' where
prop_id = 'OBDX_BU';
```

- **Third party Configuration:**  
No Configuration required.

### **3.2.6 Configuring Origination Workflow (Loan Requirement Step)**

- **OBO Host Configuration:**  
No Configuration required.
- **Third party Configuration:**

Execute following queries to update UI component names of origination workflow steps.

```
update digx_or_steps set ui_definition='{ "ui-component": "auto-loan-
requirement", "showInReview": true, "category": "LOANS", "productClass": "AUTOMOBILE" }'
where step_id='AUTOLNINFO' and determinant_value='OBDX_BU';
```

```
update digx_or_steps set ui_definition='{ "ui-component": "home-loan-
requirements", "showInReview": true, "category": "LOANS", "productClass": "HOME_LOAN" }'
where step_id='HOMELNINFO' and determinant_value='OBDX_BU';
```

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---

## 4. Product Configuration

- To enable products execute the following script.

```
update digx_or_product_category set status='ACTIVE' where determinant_value=<entity_id> and id='<required_product>';
```

eg. For activating CASA Savings product with id SAVINGSH1 can be activated as follows.

```
update digx_or_product_category set status='ACTIVE' where determinant_value='OBDX_BU' and id='SAVINGSH1';
```

- To enable all supported products., execute the following script.

```
update digx_or_product_category set status='ACTIVE' where determinant_value='OBDX_BU' and id in ('SAVINGSH1','CHECKINGH1','AUTOLOANH1','PERSONALLOANH1','HOMELOANH1','EDUCATIONLOANH1','TERMDEPOSITH1','CREDITCARDH1');
```

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---

## 5. OCR Configuration

Post Day 1 configuration for OCR:

In DIGX\_FW\_CONFIG\_VAR\_B, make entry of hostname and port corresponding to determinant value.

---

Note: If bank is using "Microblink" as third party OCR platform then below configurations needs to be done. In case of any other platform hostname and port number should be changed accordingly.

---

```
Insert into DIGX_FW_CONFIG_VAR_B
(PROP_ID,ENV_ID,PROP_VALUE,FACTORY_SHIPPED_FLAG,PROP_COMMENTS,CREATE
D_BY,CREATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE,OBJECT_STATUS,OB
JECT_VERSION_NUMBER,MODULE,DETERMINANT_VALUE,TYPE,UI_DEFINITION) values
('DOC_TYPE','OBDX','<Document categories supporting OCR>',null,'Document
Type','ofssuser',sysdate,'ofssuser',null,'A',1,'Origination','OBDX_BU','TXT',{ "title": "OCR
Document Categories", "validator": "ALPHANUMERIC", "required": false });
```

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---

## 6. Security Changes:

The OTP authentication generates JWT Token which remains active for 15 mins. Below property in `digx_fw_config_all_b` table can be updated to change the token expiration time. If user select to re-send OTP the number of re-send counts will be reduced based on this timeout. Token reduces OTP re-send count if last token send time plus 15 mins is after current time.

ORG\_REG\_LINK\_TIMEOUT

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## 7. Enumeration Configuration:

- **Configuration for local enumeration:**

```
Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_ASSETS_TYPE','EnumerationConfig','LOCAL_OPEN_ENUM','OB
DX_BU',null,sysdate,null,null);
```

```
Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('EMPLOYMENT_STATUS','EnumerationConfig','LOCAL_OPEN_ENUM','OB
DX_BU',null,sysdate,null,null);
```

```
Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('EMPLOYMENTTYPE','EnumerationConfig','LOCAL_OPEN_ENUM','OB
DX_BU',null,sysdate,null,null);
```

```
Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_EXPENSE_FREQUENCY','EnumerationConfig','LOCAL_OPEN_
ENUM','OB
DX_BU',null,sysdate,null,null);
```

```
Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_EXPENSE_TYPE','EnumerationConfig','LOCAL_OPEN_ENUM','
OB
DX_BU',null,sysdate,null,null);
```

```
Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('GENDER','EnumerationConfig','LOCAL_OPEN_ENUM','OB
DX_BU',null,sysdate,null,null);
```



```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_INCOME_FREQUENCY','EnumerationConfig','LOCAL_OPEN_ENUM','OB
DX_BU',
null,sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_INCOME_TYPE','EnumerationConfig','LOCAL_OPEN_ENUM','OB
DX_BU',null,sys
date,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_LIABILITY_FREQUENCY','EnumerationConfig','LOCAL_OPEN_ENUM','
OB
DX_BU',
null,sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_LIABILITY_TYPE','EnumerationConfig','LOCAL_OPEN_ENUM','OB
DX_BU',null,sys
date,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('NA','EnumerationConfig','LOCAL_OPEN_ENUM','OB
DX_BU',null,sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('MARITALSTATUS','EnumerationConfig','LOCAL_OPEN_ENUM','OB
DX_BU',null,sysdate,null,n
ull);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('SALUTATION','EnumerationConfig','LOCAL_OPEN_ENUM','OB
DX_BU',null,sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('NOMINEE_RELATIONS','EnumerationConfig','LOCAL_OPEN_ENUM','OBDX_BU',null,sysdate,
null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('IDENTIFICATIONTYPES','EnumerationConfig','LOCAL_OPEN_ENUM','OBDX_BU',null,sysdate
,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('COUNTRY','EnumerationConfig','LOCAL_OPEN_ENUM','OBDX_BU',null,sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('ISDCODE','EnumerationConfig','LOCAL_OPEN_ENUM','OBDX_BU',null,sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
(OR_CITIZENSHIP_BY,'EnumerationConfig','LOCAL_OPEN_ENUM','OBDX_BU',null,sysdate,nul
l,null);

```

- **Configuration for Remote enumeration:**

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_ASSETS_TYPE','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,s
ysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('EMPLOYMENT_STATUS','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,sysd
ate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('EMPLOYMENTTYPE','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,sysdate,
null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_EXPENSE_FREQUENCY','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_
BU',null,sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_EXPENSE_TYPE','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,
sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('GENDER','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_INCOME_FREQUENCY','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_B
U',null,sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_INCOME_TYPE','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,s
ysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_LIABILITY_FREQUENCY','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_
BU',null,sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('FINANCIAL_LIABILITY_TYPE','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,
sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('NA','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,sysdate,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('MARITALSTATUS','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,sysdate,null,
null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('SALUTATION','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,sysdate,null,null)
;

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('NOMINEE_RELATIONS','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,sysdat
e,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('IDENTIFICATIONTYPES','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,sysda
te,null,null);

```

```

Insert into DIGX_FW_CONFIG_ALL_O
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values
('COUNTRY','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,sysdate,null,null);

```

```
Insert into DIGX_FW_CONFIG_ALL_O  
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE  
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values  
('ISDCODE','EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,sysdate,null,null);
```

```
Insert into DIGX_FW_CONFIG_ALL_O  
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE  
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values  
(OR_CITIZENSHIP_BY,'EnumerationConfig','REMOTE_OPEN_ENUM','OBDX_BU',null,sysdate,  
null,null);
```

```
Insert into DIGX_FW_CONFIG_ALL_O  
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE  
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values  
('OBDX_BU.com.ofss.digx.extxface.common.adapter.IEnumerationAdapter.getCountry','Extxface  
AdapterPreference','com.ofss.digx.extxface.common.ubs124.impl.EnumerationAdapter','01','ofs  
suser',sysdate,'ofssuser',sysdate);
```

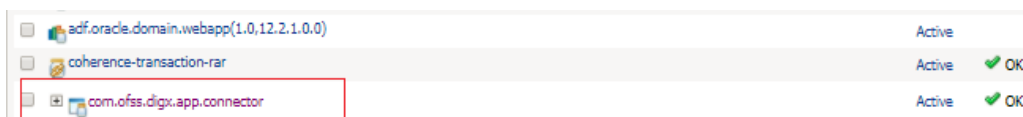
```
Insert into DIGX_FW_CONFIG_ALL_O  
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE  
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values  
('OBDX_BU.com.ofss.digx.extxface.common.adapter.IEnumerationAdapter.getISDCode','Extxfac  
eAdapterPreference','com.ofss.digx.extxface.common.ubs124.impl.EnumerationAdapter','01','ofs  
suser',sysdate,'ofssuser',sysdate);
```

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## 8. Security Credential Mapping for connector.ear

Please follow following steps

1. Login into Weblogic console.
2. Click on **Deployments**.
3. Expand by clicking '+' icon present in front of **com.ofss.digx.app.connector** application as shown below.



4. Click **com.ofss.digx.connector.rar** as shown below.

<input type="checkbox"/>	com.ofss.digx.app.connector	Active
	Modules	
	<span style="border: 2px solid red; border-radius: 50%; padding: 2px;">com.ofss.digx.connector.rar</span>	
	EJBs	com.ofss.digx.connector.rar, Level 3, 1 of 1
	None to display	
	Web Services	
	None to display	

5. Click '**Security**' tab and then click '**Outbound Credential Mappings**' sub tab as shown below.

Settings for com.ofss.digx.connector.rar

Overview Configuration **Security** Control Testing Monitoring

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

Outbound credential mappings let you map WebLogic Server usernames to usernames in the Enterprise Information System (EIS) to which you want to map. You can specify particular outbound credential mappings for all outbound connection pools in the resource adapter, or specify particular outbound credential mappings for this resource adapter.

▶ Customize this table

**Outbound Credential Mappings**

New Delete

	EIS User	Outbound Connection Pool
<input type="checkbox"/> WLS User		

There are no items to display

New Delete

6. Click on 'New' Button. Following screen will be appearing.

**Outbound Connection Pool**

Which Outbound Connection Pool would you like the credential map to be associated with? Each Outbound Connection Pool can then configure themselves to...

[Customize this table](#)

**Create a New Security Credential Map Entry for:**

<input checked="" type="checkbox"/>	Outbound Connection Pool
<input type="checkbox"/>	ra/DIGXConnectorAES
<input type="checkbox"/>	ra/DIGXConnectorBIREPORTS
<input type="checkbox"/>	ra/DIGXConnectorFILEUPLOAD
<input type="checkbox"/>	ra/DIGXConnectorMERCHANT
<input type="checkbox"/>	Resource Adapter Default

7. Select 'ra/DIGXConnectorAES' and click then 'Next' button. Following screen will be appearing.

**WebLogic Server User**

Select the WebLogic Server User that you would like to map an EIS resource adapter is first started. Selecting 'Default User' will configure them. Selecting 'User for unauthenticated user' will configure the user that you are configuring. This user must be a configured WebLogic...

**User for creating initial connections**

**Default User**

**Unauthenticated WLS User**

**Configured User Name**

WebLogic Server User Name:

8. Select **'Default User'** and then click **'Next'** button. Following screen will be appearing.

**EIS User Name and Password**

Configure the EIS User Name and Password that you would like to map the WebLogic Server User to:

\* Indicates required fields

Enter the EIS User Name:

\* **EIS User Name::**

Enter the EIS Password:

\* **EIS Password::**

\* **Confirm Password::**

9. Enter following details and then click **'Finish'** button.
  - EIS User Name → AES\_KEY
  - EIS Password → "Desired password"
  - Confirm Password → "Desired password"
10. Restart the manage server to activate the changes.

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## 9. OBRH Configuration

During Bank Implementation, assuming OBRH is installed and configured as part of OFLO installation. For OBDX and mid Office OFLO integration using OBRH the following configurations need to be done.

1. Carry out all the steps mentioned in OBRH Integration Configuration section in OBRH Configuration document. The service provider for mid-office product OFLO end-points configured in OBRH is "OFLO"

2. After all the above steps are completed, user needs to execute some scripts for the host APIs that are to be consumed via OBRH. These are the scripts to pick the third party adapter implementation instead of the host specific implementations as well as to call the OBRH endpoint for the configured interfaces. The scripts are available at the following location:

```
/Installables/db/OFLO/DIGX_FW_CONFIG_ALL_O.sql
```

---

Note: '%ENTITY\_ID%' should be replaced with the entity identifier (For Example if the entity during implementation is OBDX\_BU then '%ENTITY\_ID%' should be replaced by 'OBDX\_BU').

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