

OBO and Third Party Setup and Configuration Guide
Oracle Banking Digital Experience
Patchset Release 22.1.2.0.0

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OBO and Third Party Setup and Configuration Guide
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Oracle Financial Services Software Limited

Oracle Park

Off Western Express Highway

Goregaon (East)

Mumbai, Maharashtra 400 063

India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax:+91 22 6718 3001

www.oracle.com/financialservices/

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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 Patchset Release 22.1.2.0.0, refer to the following documents:

- Oracle Banking Digital Experience Installation Manuals

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 displays the Futura Bank Admin Configuration interface. The top navigation bar includes the Futura Bank logo, a search bar, a notification bell with '05288', and a user profile for 'Administrator User' with the last login time '04 May 05:17 PM'. The main content area is divided into two sections. The first section, 'System Configuration', has a left-hand menu with categories like Basic Details, Host Details, Bank Details, Branch Details, SMTP, Third Party Configuration, and Dynamic Module. The right-hand side shows a grid of configuration fields with their respective values. The second section, 'Origination specific fields', has a left-hand menu with categories like ORIGINATION, WALLET, OTHERMODULE, File Upload, ForexDeal, Origination, ServiceRequest, and Common. The right-hand side shows a grid of configuration fields for these categories.

| 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:

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

| Configuration of OBPY API: | |
|---|--|
| 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 |
| Application tracker Configuration: | |
| RPM Application tracker APPID | App id for RPM 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. |
| Credit Card Configuration: | |
| 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. |
| Other Configuration: | |
| RPM 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. |

| Configuration of OBPY API: | |
|-----------------------------------|--|
| 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 08.09.03.000000000 AM | ofssuser | 10-JUL-20 08.09.03.000000000 AM | A |
| 2 | DOC17 Address Proof | Aadhaar card | Aadhaar card | N | OBDCP | CHECKINGH1 | ofssuser | 10-JUL-20 08.09.03.000000000 AM | ofssuser | 10-JUL-20 08.09.03.000000000 AM | A |
| 3 | DOC19 Address Proof | Aadhaar card | Aadhaar card | N | OBXCA | CHECKINGH1 | ofssuser | 10-JUL-20 08.09.03.000000000 AM | ofssuser | 10-JUL-20 08.09.03.000000000 AM | A |
| 4 | DOC21 Id Proof | DL | Driving license | N | OBDSJ | SAVINGSH1 | ofssuser | 10-JUL-20 08.09.03.000000000 AM | ofssuser | 10-JUL-20 08.09.03.000000000 AM | A |
| 5 | DOC22 Id Proof | DL | Driving license | N | SAADVT | SAVINGSH1 | ofssuser | 10-JUL-20 08.09.03.000000000 AM | ofssuser | 10-JUL-20 08.09.03.000000000 AM | A |
| 6 | DOC23 Id Proof | DL | Driving license | N | OBDCP | CHECKINGH1 | ofssuser | 10-JUL-20 08.09.03.000000000 AM | ofssuser | 10-JUL-20 08.09.03.000000000 AM | A |
| 7 | DOC24 Id Proof | DL | Driving license | N | OBXCA | CHECKINGH1 | ofssuser | 10-JUL-20 08.09.03.000000000 AM | ofssuser | 10-JUL-20 08.09.03.000000000 AM | A |
| 8 | DOC3 Address Proof | Aadhaar card | Aadhaar card | N | SAADVT | SAVINGSH1 | ofssuser | 10-JUL-20 08.09.03.000000000 AM | ofssuser | 10-JUL-20 08.09.03.000000000 AM | A |
| 9 | DOC10 Id Proof | PAN Card | PAN Card | N | OBDFPL | PERSONALLOANH1 | ofssuser | 04-JUL-20 04.24.43.000000000 PM | ofssuser | 04-JUL-20 04.24.43.000000000 PM | A |
| 10 | DOC11 Proof of Income | Property Documents | Property Documents | N | OBXAL | AUTOLAANH1 | ofssuser | 04-JUL-20 04.24.43.000000000 PM | ofssuser | 04-JUL-20 04.24.43.000000000 PM | A |
| 11 | DOC12 Proof of Income | Salary Proof | Salary Proof | N | OBXAL | AUTOLAANH1 | ofssuser | 04-JUL-20 04.24.43.000000000 PM | ofssuser | 04-JUL-20 04.24.43.000000000 PM | A |
| 12 | DOC13 Proof of Identity and Address | Aadhaar card | Aadhaar card | N | OBXAL | AUTOLAANH1 | ofssuser | 04-JUL-20 04.24.43.000000000 PM | ofssuser | 04-JUL-20 04.24.43.000000000 PM | A |
| 13 | DOC14 Address Proof | DL | Driving license | N | OBXAL | AUTOLAANH1 | ofssuser | 04-JUL-20 04.24.43.000000000 PM | ofssuser | 04-JUL-20 04.24.43.000000000 PM | A |
| 14 | DOC15 Proof of Identity and Address | Passport | Passport | N | OBXAL | AUTOLAANH1 | ofssuser | 04-JUL-20 04.24.43.000000000 PM | ofssuser | 04-JUL-20 04.24.43.000000000 PM | A |
| 15 | DOC16 Id Proof | PAN Card | PAN Card | N | OBXAL | AUTOLAANH1 | ofssuser | 04-JUL-20 04.24.43.000000000 PM | ofssuser | 04-JUL-20 04.24.43.000000000 PM | A |
| 16 | DOC18 Id Proof | PAN card | PAN card | N | OBDCP | CHECKINGH1 | ofssuser | 04-JUL-20 04.24.43.000000000 PM | ofssuser | 04-JUL-20 04.24.43.000000000 PM | A |
| 17 | DOC2 Id Proof | PAN card | PAN card | N | OBDSJ | SAVINGSH1 | ofssuser | 04-JUL-20 04.24.43.000000000 PM | ofssuser | 04-JUL-20 04.24.43.000000000 PM | A |

Sample query is given below for reference:

```
Insert into DIGX_OR_PRODUCT_DOCUMENT
(ID,CATEGORY,NAME,DESCRIPTION,MANDATORY,PRODUCT_CODE,PRODUCT_CATEGORY,CREATED_BY,CREATION_DATE,
LAST_UPDATED_BY,LAST_UPDATED_DATE,OBJECT_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,sysdate,
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);
```

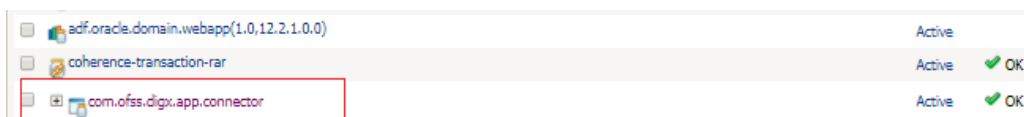
```
Insert into DIGX_FW_CONFIG_ALL_O  
(PROP_ID,PREFERENCE_NAME,PROP_VALUE,DETERMINANT_VALUE,CREATED_BY,CRE  
ATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE) values  
('OBDX_BU.com.ofss.digx.extxface.common.adapter.IEnumerationAdapter.getISDCode','Extxfac  
eAdapterPreference','com.ofss.digx.extxface.common.ubs124.impl.EnumerationAdapter','01','ofs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

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8. Security Credential Mapping for connector.ear

Please follow following steps

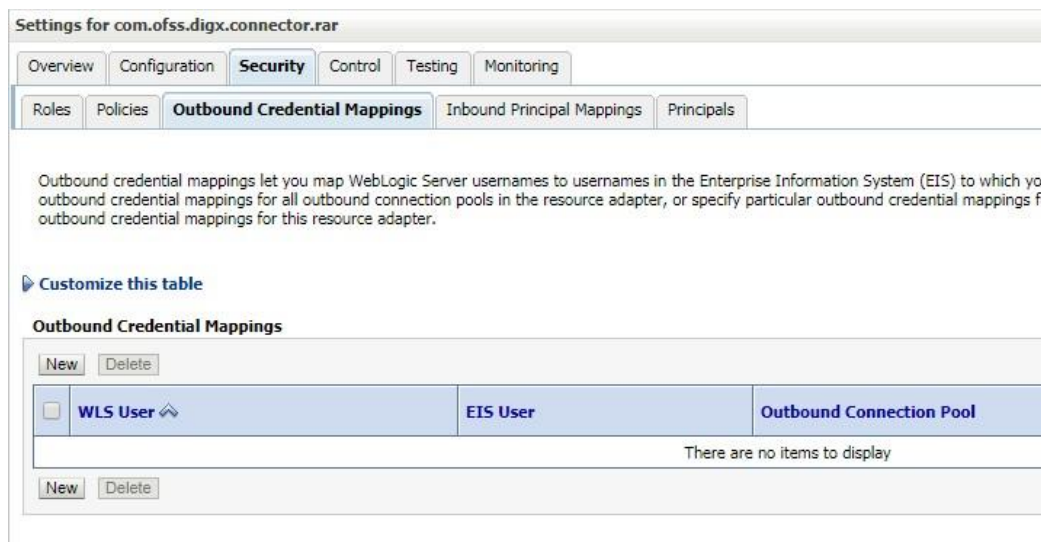
1. Login into Weblogic console.
2. Click on **Deployments**.
3. Expand by clicking '+' icon present in front of **com.ofss.digx.app.connector application** as shown below.



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



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



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

Back Next Finish Cancel

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 use the selected credential map.

[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 |

Back Next Finish Cancel

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

Back Next Finish Cancel

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 the user. Selecting 'User for unauthenticated user' will configure the user that you are configuring. This user must be a configured WebLogic Server user.

User for creating initial connections

Default User

Unauthenticated WLS User

Configured User Name

WebLogic Server User Name:

Back Next Finish Cancel

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 OBO installation. For OBDX and mid Office OBO 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 OBO end-points configured in OBRH is “OBO”

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').

3. The list of Interface name that integrated with OBDX-Origination using OBRH as follows:

| Interface Id | OBDX Screen | Description |
|-------------------------------|------------------------------------|--|
| READ_PARTY_ADDITIONAL_DETAILS | Internal Call – no screen | Existing customer workflow |
| OR_APPLICATIONOFFER_READ | Application tracker details | Read the offer of applicant |
| OR_APPLICATIONOFFER_CREATE | Application tracker details | Accept / Reject the offer |
| APPLICATION_DELETE | Delete Application on tracker page | Delete the ongoing applicant application |
| APPLICATION_TRACKER | Application Mobile Tracker | This API is used to continue application related to specific mobile number |
| OR_CLARIFICATION_LIST | Application tracker details | To and fro communication |
| OR_CLARIFICATION_UPDATE | Application tracker details | Update To and fro communication |

| Interface Id | OBDX Screen | Description |
|------------------------------------|---|---|
| EXTRACT_TEXT_BASE64 | Document upload screen | Document OCR |
| NI_NATIONALIDVERIFICATION_VALIDATE | National ID validation | Validate input national ID |
| NI_NATIONALIDVERIFICATION_INITIATE | National ID verification screen | Initiate National ID verification process |
| CREATE_APPLICATION | After verifying mobile number | Request to create application on OBO |
| ORG_PRODUCT_LIST_CREDITCARDH1 | Selection of Credit card from products | List of Credit card products |
| ORG_PRODUCT_LIST_TERMDEPOSITH1 | Selection of Term Deposit from products | List of TD products |
| ORG_PRODUCT_LIST_CHECKINGH1 | Selection of Checking Account from products | List of Checking Account products |
| ORG_PRODUCT_LIST_SAVINGSH1 | Selection of Saving Account from products | List of Saving Account products |
| ORG_PRODUCT_LIST_AUTOLOANH1 | Selection of Auto Loan from products | List of Auto Loan products |
| ORG_PRODUCT_LIST_HOMELOANH1 | Selection of Home Loan from products | List of Home Loan products |
| ORG_PRODUCT_LIST_EDUCATIONLOANH1 | Selection of Education Loan from products | List of Education Loan products |
| ORG_PRODUCT_LIST_PERSONALLOANH1 | Selection of Personal Loan from products | List of Personal Loan products |

| Interface Id | OBDX Screen | Description |
|--|------------------------------------|--|
| ORG_PRODUCT_LIST_WALLETH1 | Selection of Wallet from products | List of Wallet products |
| ENUMERATION_LIST_GETSERVICEBRANCH | Personal Information screen | Armed force service member type of service |
| ENUMERATION_LIST_FETCHAPPLICANTLOCATION | Personal Information screen | List of locations |
| ENUMERATION_LIST_FETCHINSIDERPROFILEROLE | Personal Information Screen | If applicant's relative is bank member so his/her role in bank |
| CITY_LIST | Personal Information Screen | List of cities |
| ORG_PRODUCT_LIST | On selection of Product Categories | List of All Main Products |

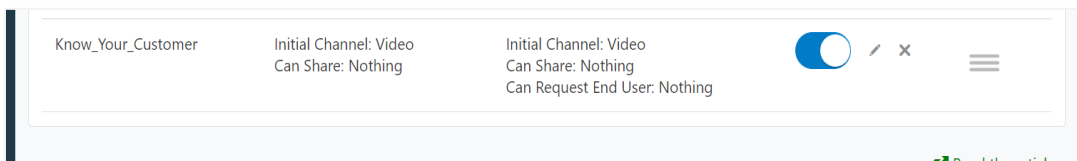
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10. Live Experience Configuration

Following connectors required in Weblogic for LX to run

1. ra/DIGXConnectorLIVEEXP (Live experience Credentials)
2. ra/DIGXConnectorNETVERIFY (Jumio Credentials)

Note: Retail Origination uses Know Your Customer Engagement scenario.

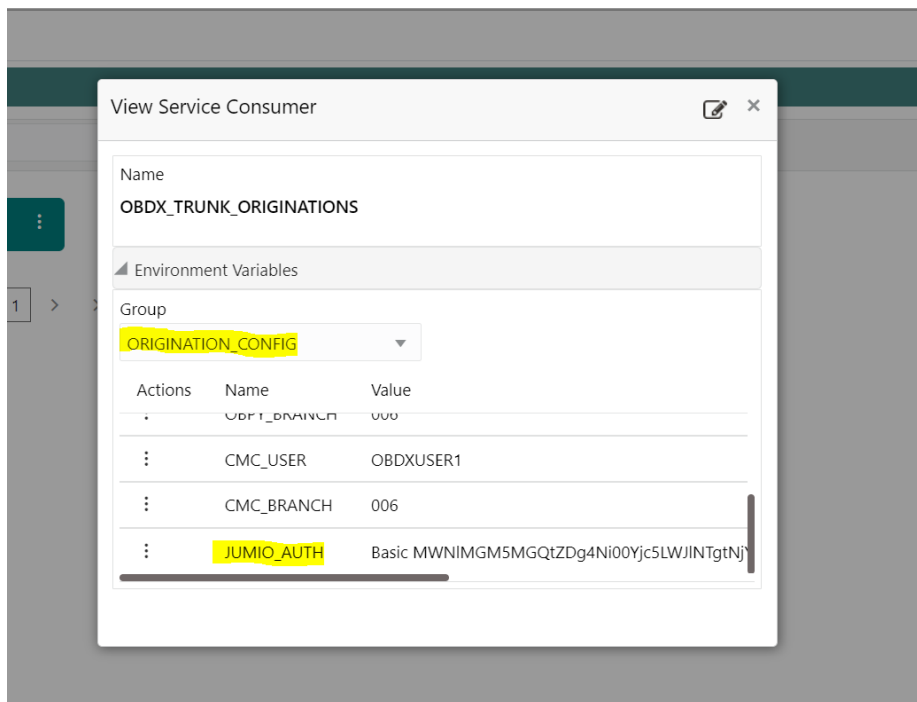


Note: For Live Experience server configuration please refer to “Live Experience Configuration Guide” under “Technical Documents”

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11. Jumio Configuration

1. Login to <https://customer-portal.netverify.com/> and note bearer token.
2. Bearer token is required to update in OBRH Service consumer. Go to environment variables.



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