

# **Oracle Banking APIs**

## **OFSLL Setup and Configuration Guide**

**Release 18.1.0.0.0**

**Part No. E94092-01**

**April 2018**

**ORACLE®**

## OFSSL Setup and Configuration Guide

April 2018

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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

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

The subsequent chapters cover following

- Introduction
- Prerequisites
- Installation
- Post Installation Steps

## 1.5 Related Information Sources

For more information on Oracle Banking APIs Release 18.1.0.0.0, refer to the following documents:

- Oracle Banking APIs Installer Pre-Requisite Setup Guide
- Oracle Banking APIs Installation Guide

## **2. Introduction**

### **2.1 Purpose of the Document**

The purpose of the OBAPIs OFSLL Installation Guide is to provide a step by step overview on the installation process of the solution.

It includes:

- Installation of OBAPIs 18.1.0.0.0 OFSLL with Oracle's own Core Banking and Origination Products.
- Advanced Configurations (Post installation)

[Home](#)

### 3. Prerequisites

OBAPIs 18.1.0.0.0 with OBP BASE flavor should be installed through OBAPIs Installer. This installation will be henceforth referred to in this manual as 'OBAPIs18.1 Base'.

For OBAPIs 18.1 Base installation, refer documents mentioned in *section 1.5 Related Information Sources*.

[Home](#)

## 4. Installation

### 4.1 Pre Installation

OBAPIs18.1.0.0.0 Base with OBP flavor should be installed through installer.

### 4.2 Preference

Changes in preference.xml: (refer /config/preference.xml)

- 1> Preference **EnumerationConfig** should override preference EnumerationConfigOFSLL143 as given below.
 

```
<Preference
  name="EnumerationConfig" overriddenBy="EnumerationConfigOFSLL143"
  PreferencesProvider=".."
/>
```
- 2> Preference **CustomBusinessPolicyPreferences** should override preference CustomBusinessPolicyPreferencesOFSLL143 as given below.
 

```
<Preference
  name="CustomBusinessPolicyPreferences"
  overriddenBy="CustomBusinessPolicyPreferencesOFSLL143"
  PreferencesProvider=".."
/>
```
- 3> Preference **OriginationConfig** should override preference **OriginationConfig\_ofsll143** as given below.
 

```
<Preference
  name="OriginationConfig"
  overriddenBy="OriginationConfig_ofsll143"
  PreferencesProvider=".."
/>
```

```
<?xml version="1.0" encoding="UTF-8"?>
<Preference>
  <Nodes>
    <Preference name="DDAPPropertiesConstant" PreferencesProvider="com.ofss.fc.infra.config.impl.JavaConstantsConfigProvider" parent="" proper
    <Preference name="" PreferencesProvider="com.ofss.fc.infra.config.impl.PropertiesFileConfigProvider" parent="" propertyFileName="LocalConfig.propertie
    <Preference name="ExtSystemsConfig" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="" propertyFileName="select.pro
    <Preference name="ConfigurationVariable" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcPreference" propertyF
    <Preference name="jdbcPreference" PreferencesProvider="com.ofss.fc.infra.config.impl.PropertiesFileConfigProvider" parent="" propertyFileName="jdbc.pr
    <Preference name="MultiEntityPreference" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcPreference" propertyF
    <Preference name="AdapterFactories overriddenBy="AdapterFactoriesO8P2502" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider"
    <Preference name="TransactionActivityLogMapper" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcPreference" pr
    <Preference name="BusinessPolicyFactories overriddenBy="AdapterFactoriesOverride" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyP
    <Preference name="ModuleWiseContentBusinessPolicy" overriddenBy="AdapterFactoriesOverride" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedP
    <Preference name="AdapterFactoriesUBS overriddenBy="AdapterFactoriesOverride" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvi
    <Preference name="AdapterFactoriesUBS122 overriddenBy="AdapterFactoriesOverride" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyPr
    <Preference name="AdapterFactoriesUBS123 overriddenBy="AdapterFactoriesOverride" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyPr
    <Preference name="AdapterFactoriesExtSystem overriddenBy="AdapterFactoriesOverride" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropert
    <Preference name="AdapterFactoriesO8P2502 overriddenBy="AdapterFactoriesOverride" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyP
    <Preference name="AdapterFactoriesOFSLL143 overriddenBy="AdapterFactoriesOverride" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyP
    <Preference name="AdapterFactoriesOverride" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcPreference" proper
    <Preference name="ServiceExtensions" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcPreference" propertyFileN
    <Preference name="ServiceExtensionsExecutor" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcPreference" prope
    <Preference name="ServiceProviderExtensions" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcPreference" prope
    <Preference name="SPIExtensionsExecutor" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcPreference" propertyF
    <Preference name="DataTransferObjectValidator" PreferencesProvider="com.ofss.fc.infra.config.impl.JavaConstantsConfigProvider" parent="jdbcPreference"
    <Preference name="RepositoryAdapterFactories overriddenBy="RepositoryAdapterFactoriesOverride" PreferencesProvider="com.ofss.fc.infra.config.impl.DB
    <Preference name="RepositoryAdapterFactoriesOFSLL143 overriddenBy="RepositoryAdapterFactoriesOverride" PreferencesProvider="com.ofss.fc.infra.config
    <Preference name="RepositoryAdapterFactoriesOverride" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcpreferen
    <Preference name="EntityConfiguratorFactories" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcPreference" pro
    <Preference name="ServiceRepositoryAdapterFactoryMap" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcpreferen
    <Preference name="RepositorySelectorConfig" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcPreference" proper
    <Preference name="CustomizedAbstractDomainObjectConfig" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcpreferen
    <Preference name="MaskingConfiguration" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcPreference" propertyF
    <Preference name="MaskingPattern" PreferencesProvider="com.ofss.fc.infra.config.impl.DBBasedPropertyProvider" parent="jdbcPreference" propertyFileName
```

## 4.3 Steps of Installation

Download and extract. Post extraction 'OBAPIs\_LZNInstaller' folder would be available.

Ensure before installation following sub-directories are available:

- app
- db
- ui

### 4.3.1 Application deployment

The 'app' directory will have 3 artifacts to be deployed on the OBAPIs 18.1.0.0.0 Base Application server.

- i. obdx.app.rest.ear
  - **Un-deploy 'obdx.app.rest.ear' Enterprise Application** from OBAPIs 18.1 Application Server. This artifact had been deployed as a part of OBAPIs 18.1 Base Installation.
  - Deploy 'obdx.app.rest.ear' artifact as an Enterprise Application.
- ii. obdx.lz.us.app.domain.ear
  - Deploy this artifact as a **library**.
- iii. obdx.lz.us.extsystem.domain.ear
  - Deploy this artifact as a **library**.

---

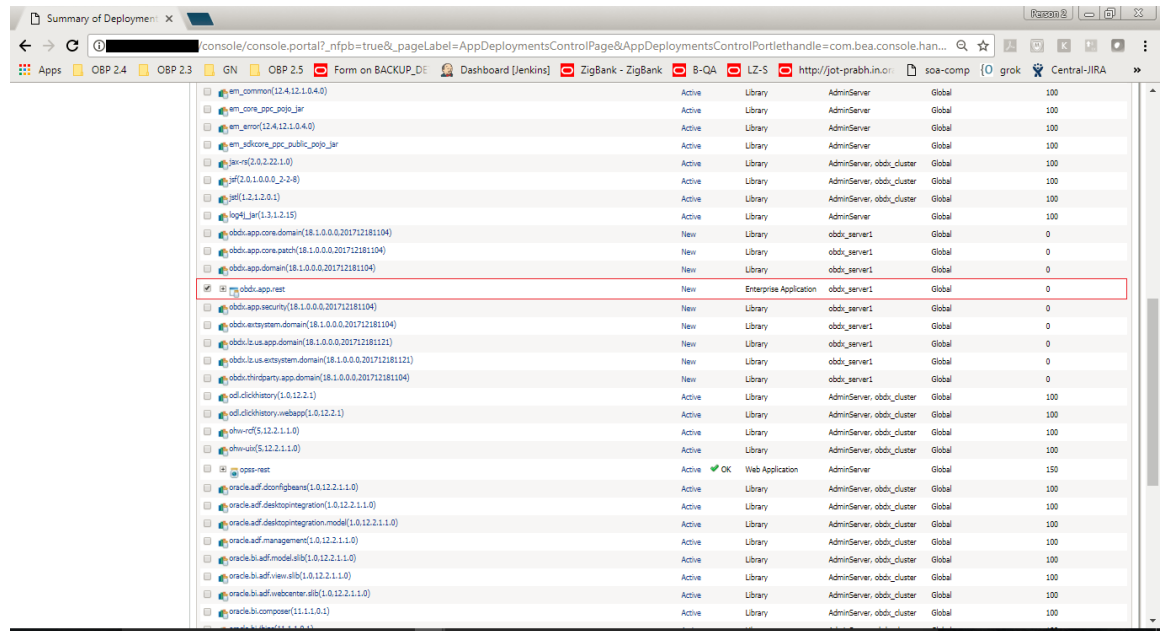
**Note:** First shut down the application server. Go to deployments. Un-deploy the REST application project of the OBAPIs 18.1.0.0.0 Base and deploy REST application project of the OBAPIs 18.1.0.0.0 US LZN, two libraries (ii & iii) and an application (iv) as mentioned above. All other libraries of OBAPIs 18.1.0.0.0 Base are required for OBAPIs OFSLL setup. Do not remove them. Start the application server.

---

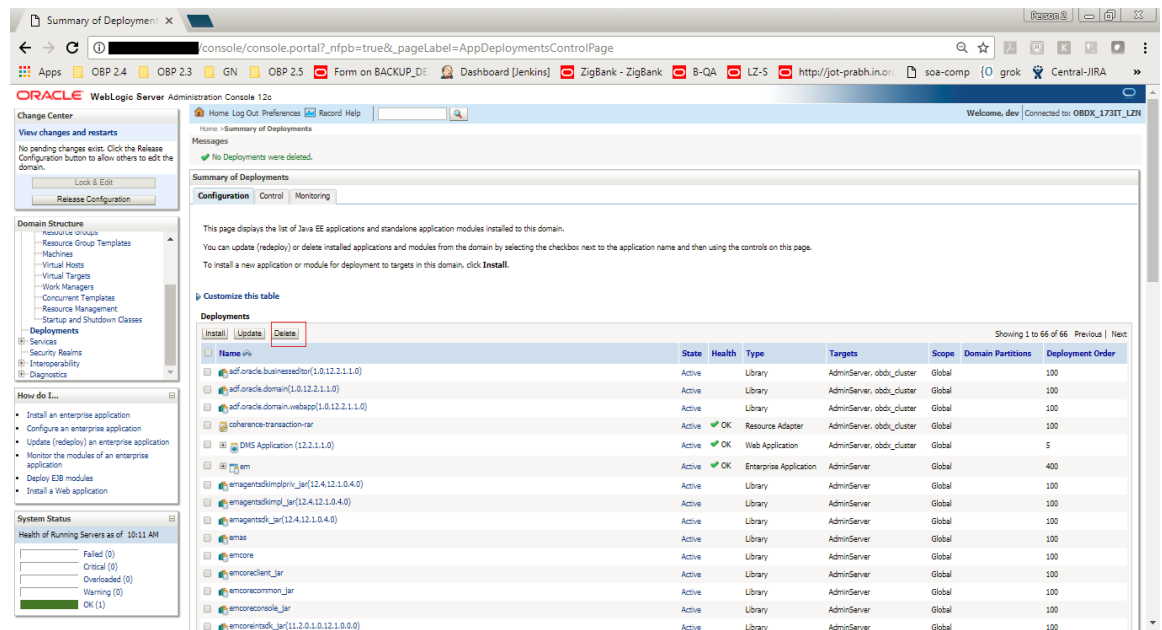


### Steps to Un-deploy library/application -

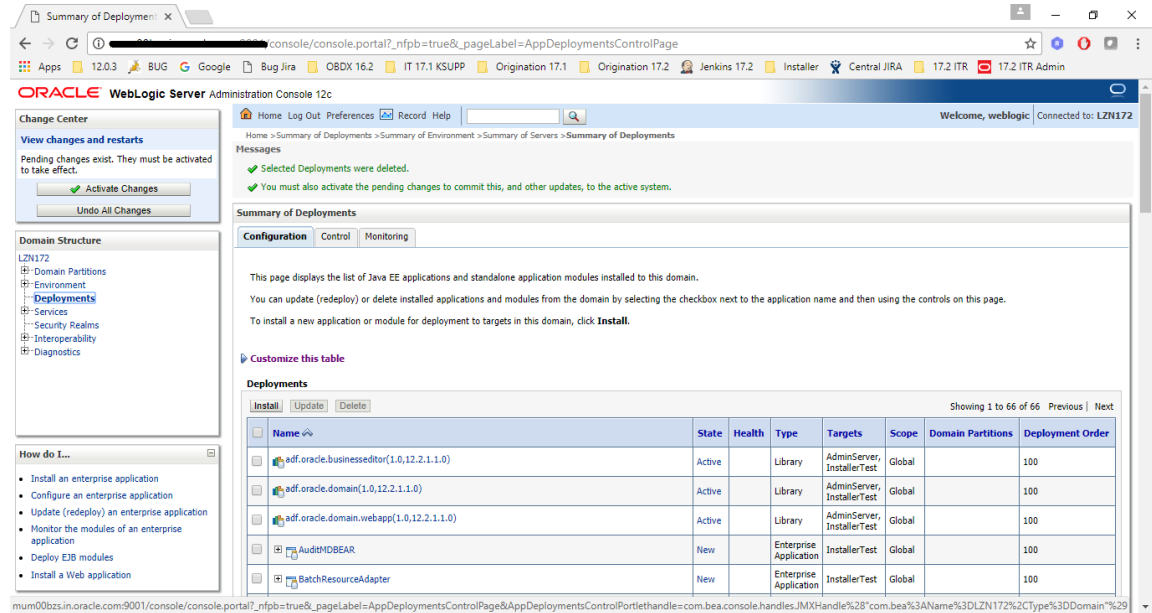
Login into Weblogic Server. Go to Deployments. Select the library/application and click on delete.



Confirm delete.

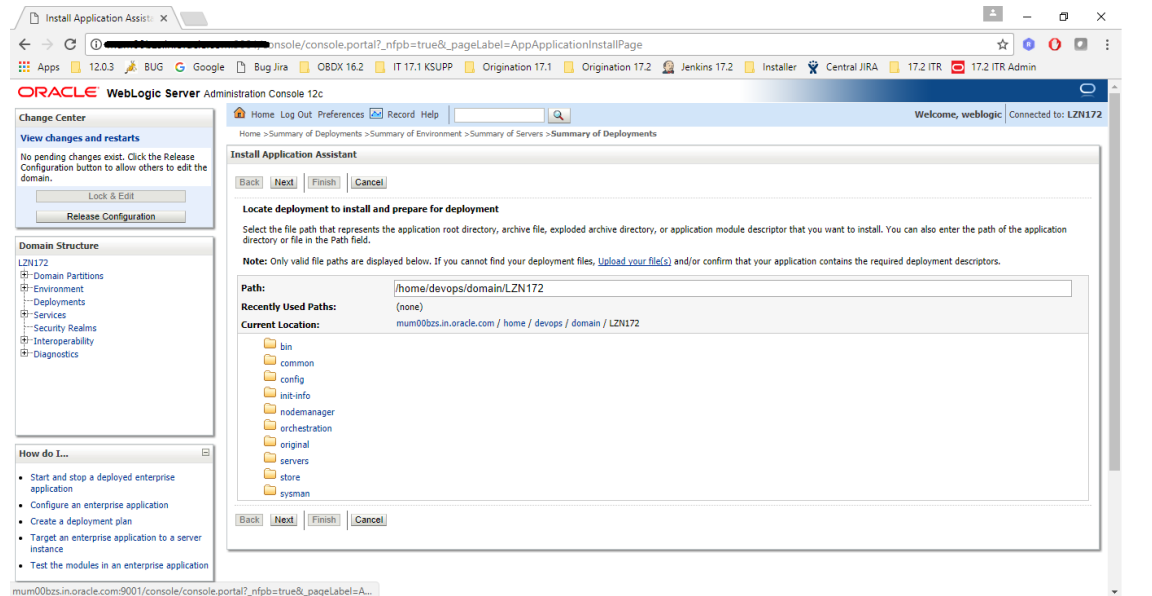


Success message will be displayed.

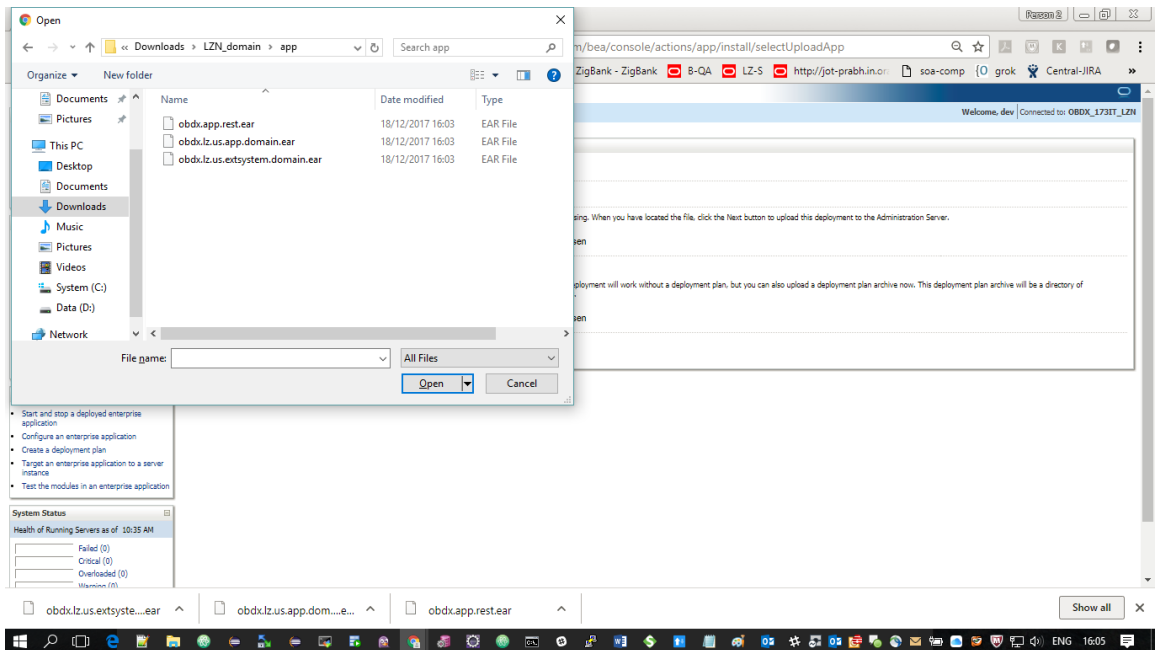
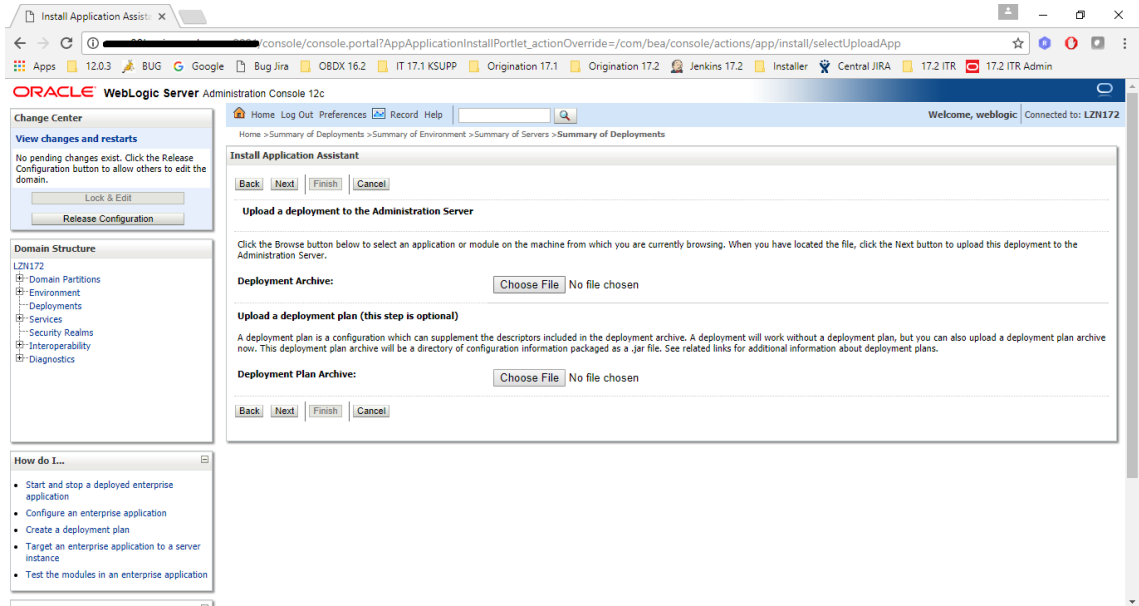


### Steps to Deploy library/application -

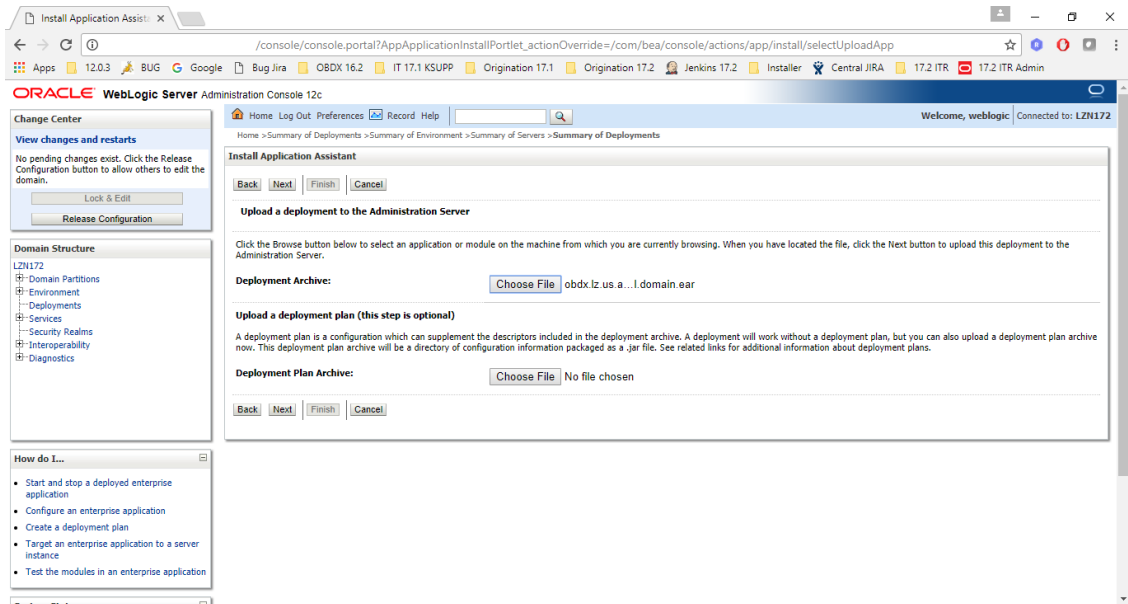
Click on install to deploy library/application. Click on Upload Button.



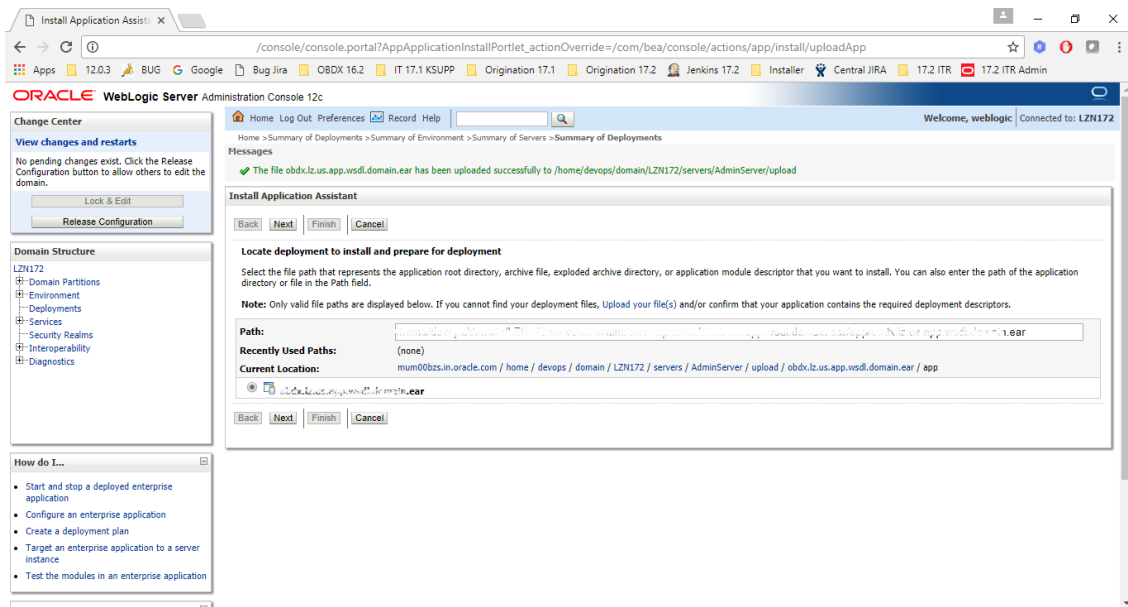
Click on 'Choose File' to select the library/application to upload.



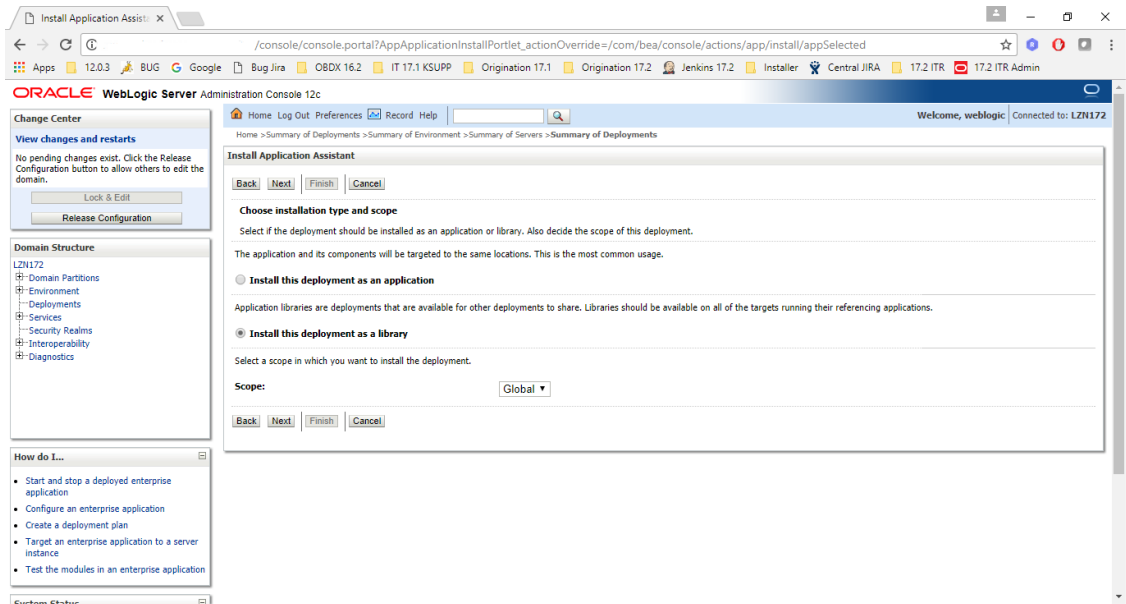
Click on NEXT button.



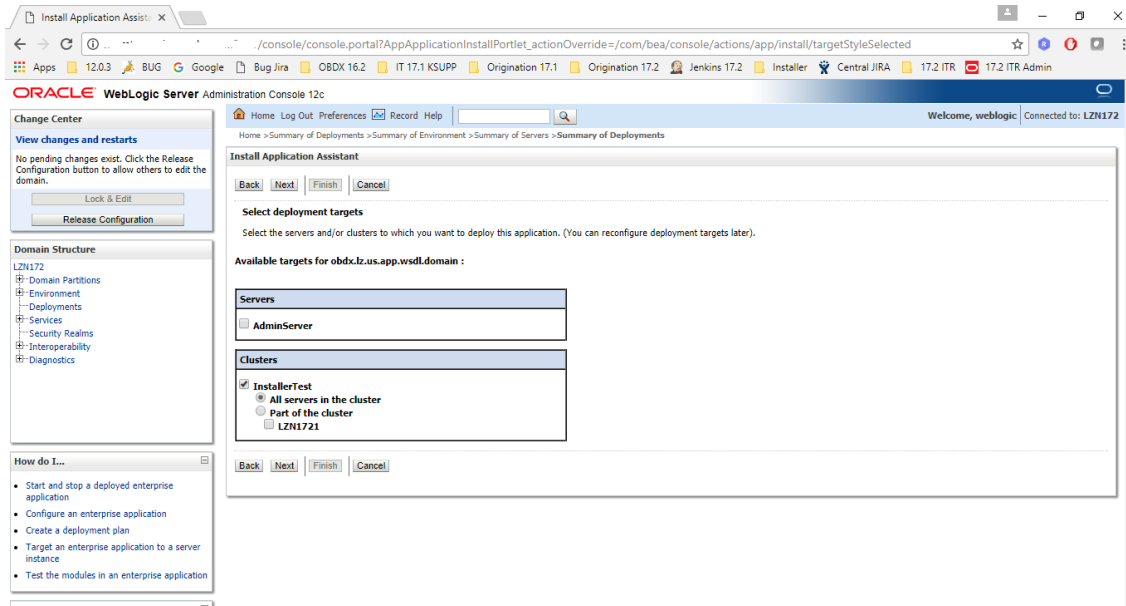
Again click on NEXT button.



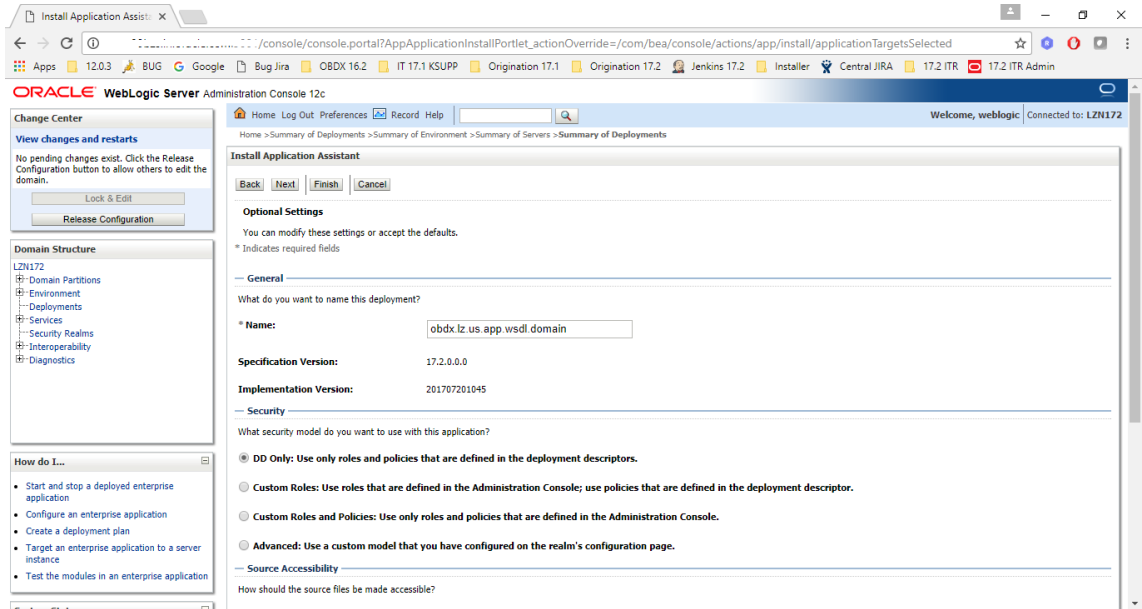
Select 'Install as library/application', as per the deployment.



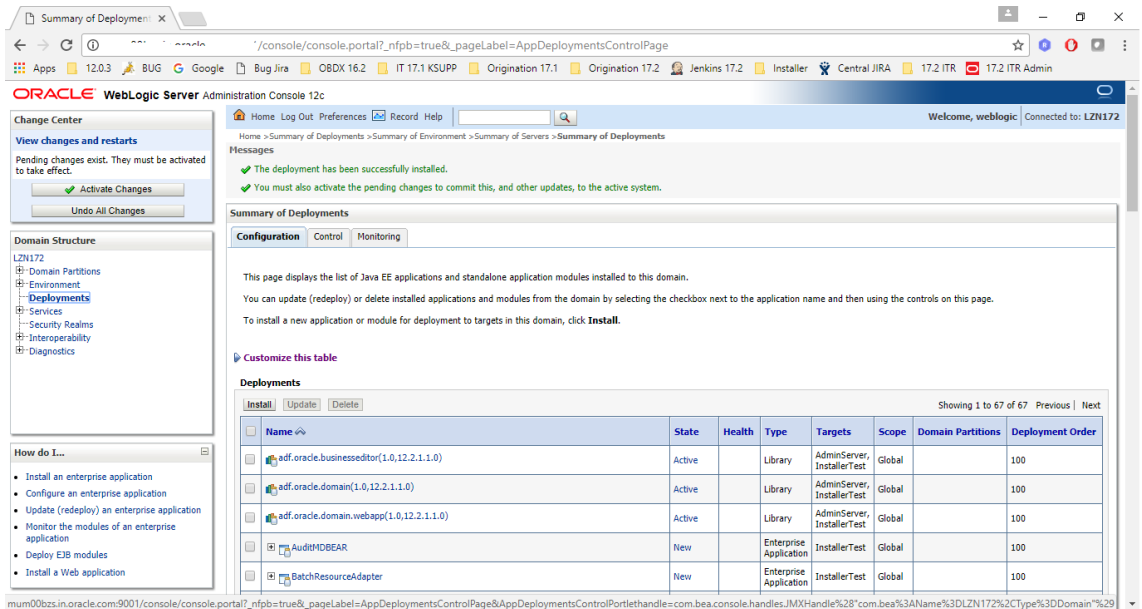
Select the managed server/cluster to deploy on. Click on Next.



Click on Finish.



Confirmation of installation will be displayed.











|                          |   |                  |        |      |                        |             |        |  |
|--------------------------|---|------------------|--------|------|------------------------|-------------|--------|--|
| <input type="checkbox"/> |  com.ofss.digx.app.connector                         | Base Application | Active | ✔ OK | Enterprise Application | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.app.core.domain(18.1.0.0.0.201712171135)       |                  | Active |      | Library                | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.app.core.patch(18.1.0.0.0.201712171135)        | Base libraries   | Active |      | Library                | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.app.domain(18.1.0.0.0.201712171135)            |                  | Active |      | Library                | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.app.rest                                       | Base Application | Active | ✔ OK | Enterprise Application | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.app.security(18.1.0.0.0.201712171135)          |                  | Active |      | Library                | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.extsystem.domain(18.1.0.0.0.201712171135)      | Base libraries   | Active |      | Library                | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.thirdparty.app.domain(18.1.0.0.0.201712171135) |                  | Active |      | Library                | obdx_server | Global |  |

Figure 1 : Deployments after OBAPIs18.1.0.0.0 Base Installation











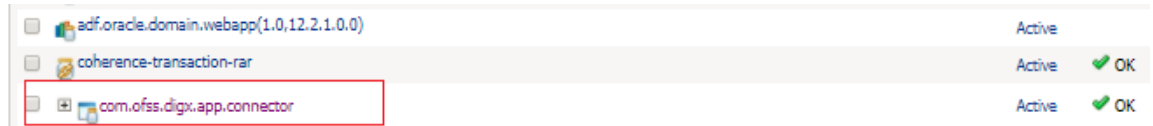
|                          |  |                  |        |      |                        |             |        |  |
|--------------------------|--|------------------|--------|------|------------------------|-------------|--------|--|
| <input type="checkbox"/> |  com.ofss.digx.app.connector                          | Base Application | Active | ✔ OK | Enterprise Application | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.app.core.domain(18.1.0.0.0.201712181210)        |                  | Active |      | Library                | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.app.core.patch(18.1.0.0.0.201712181210)         | Base libraries   | Admin  |      | Library                | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.app.domain(18.1.0.0.0.201712181210)             |                  | Active |      | Library                | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.app.rest  | LZN Application  | Active | ✔ OK | Enterprise Application | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.app.security(18.1.0.0.0.201712181210)           |                  | Active |      | Library                | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.extsystem.domain(18.1.0.0.0.201712181210)       | Base libraries   | Active |      | Library                | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.lz.us.app.domain(18.1.0.0.0.201712181227)       |                  | Active |      | Library                | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.lz.us.extsystem.domain(18.1.0.0.0.201712181227) | LZN libraries    | Active |      | Library                | obdx_server | Global |  |
| <input type="checkbox"/> |  obdx.thirdparty.app.domain(18.1.0.0.0.201712181210)  | Base library     | Active |      | Library                | obdx_server | Global |  |

Figure 2: Deployments after OBAPIs 18.1.0.0.0 OFSLL Installation

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

|                               | WLS User ↕ | EIS User | Outbound Connection Pool |
|-------------------------------|------------|----------|--------------------------|
| There are no items to display |            |          |                          |

New Delete

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 associate resource adapter. 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   |

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 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:

---

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** → OBAPIS\_PASSWORD123

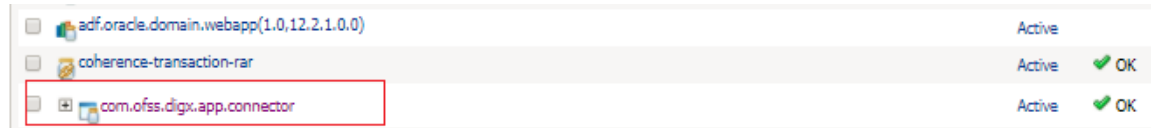
**Confirm Password** → OBAPIS\_PASSWORD123

10. Restart the manage server to activate the changes.

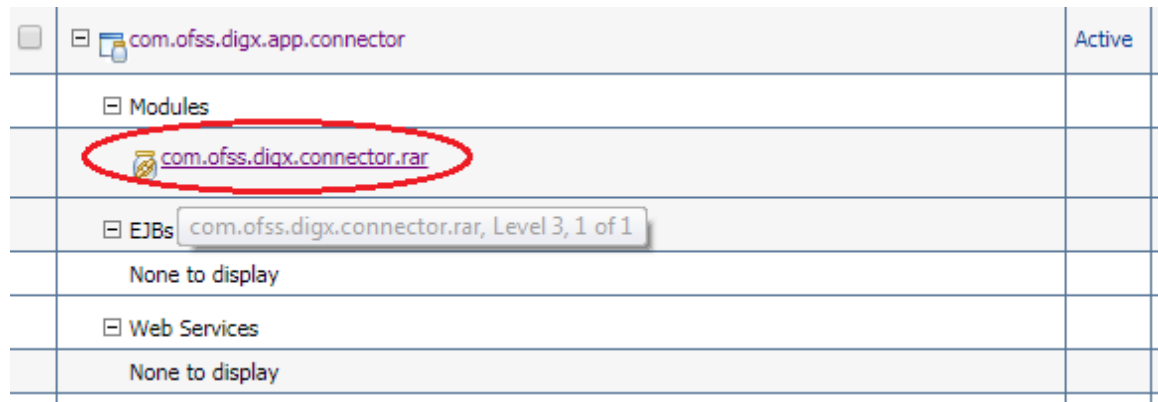
### 4.3.3 BI credential mapping for connector.ear

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.



- 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 each outbound connection pool in the resource adapter.

[Customize this table](#)

**Outbound Credential Mappings**

New Delete

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

There are no items to display

New Delete

- 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 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/DIGXConnectorBIREPORTS**' 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 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:

---

Back | Next | Finish | Cancel

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

Back | Next | Finish | Cancel

---

**EIS User Name and Password**

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

\* Indicates required fields

---

Enter the EIS User Name:

\* **EIS User Name::**

---

Enter the EIS Password:

\* **EIS Password::**

\* **Confirm Password::**

---

Back | Next | Finish | Cancel

9. Enter administrative authentication credentials of BIP and then click **'Finish'** button.
10. Restart the manage server to activate the changes.

#### 4.3.4 Database scripts deployment

The **'db'** directory will have two sub-directories: dml and ddl. Executes all scripts present in the dml folder.

---

**Note:** There are no ddl scripts to execute.

---

#### 4.3.5 UI deployment

The **'ui'** directory contains all the UI related files. The UI deployed by OBAPIs 18.1.0.0.0 Base installation should be replaced by the UI contents of this directory.

---

**Note:** No change required in OHS.

---

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## 5. Database Configuration

Following configurations need to be done post installation

### 5.1 System Configuration

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

**Table 'digx\_me\_ep\_conf\_b'**

| Query to be executed  | Description   |
|---|---|
| <pre>UPDATE DIGX_ME_EP_CONF_B SET MULTI_ENTITY_CODE='GLBL_NM KT', FROM_ADDR='&lt;system_email_id&gt;' WHERE MULTI_ENTITY_CODE ='OBP_ME' and Destination_type='EMAIL';</pre> | <p>This property is used to provide system's email id. All system generated mails will be come from this id</p> |

## 5.2 Additional (functional) Configurations

These are non-mandatory configurations. Default values for these configurations are available through day 0 scripts. Bank can change these values as per their business need.

**Table 'digx\_fw\_config\_var\_b'**

| Category Id          | Property Id                          | Description  |
|----------------------|--------------------------------------|--|
| Origination UserRole | USER_ROLE_CUSTOMER                   | Default roles for Origination user creation. The prop_id does not matter. All roles for category_id 'OriginationUserRole' would be assigned to the created user.   |
| Origination Config   | ORG_DOB_AGE_LIMIT_CHECK              | Whether DOB check is local or to be done remotely. Possible values are LOCAL or REMOTE. For this setup it will be REMOTE   |
| Origination Config   | ORG_DOB_AGE_LIMIT                    | DOB Age Limit Value. In case the above property value is LOCAL, the age limit in number is to be specified for this property.  |
| Origination Config   | USERNAME_TYPE                        | Username type while registering the prospect. Possible values EMAIL/OTHERS   |
| Origination Config   | LIST_CANCELLATION_DAYS               | Submission Cancellation List Range. This value will be used in Report Generation for Cancelled Applications. This property indicates the number of days for which the cancellation report will be generated. |
| Origination Config   | ORIG_PI_EMAIL_VERIFICATION_REQUIRED  | If Email Verification via OTP is required.   |
| Origination Config   | CONTENT_UPLOAD_ALLOWED_TYPE_LIST     | File types allowed for document uploading.<br>Example:-<br>.txt,.png,.xlsx,.doc,.pdf,.jpeg,.jpg  |
| Origination Config   | CONTENT_UPLOAD_MIME_TYPES_WHITE_LIST | Allowed MIME types for file uploading.<br>Example:-<br>application/pdf,image/jpeg,image/png  |

|                             |                                     |   |
|-----------------------------|-------------------------------------|---|
| Origination Config          | CONTENT_UPLOAD_MIME_TYPES_ZIP_LIST  | Allowed MIME types for uploading zip document.<br>Example:- application/x-compressed                    |
| Origination Config          | DRIVING_LICENSE_EXPIRY_DURATION     | Value should be in years.<br>Driving License expiry date should be less than current date + this value. |
| Origination Config          | DRIVING_LICENSE_MAX_LENGTH          | Driving License number's maximum length allowed.  |
| Origination Config          | EMPLOYMENT_STABILITY_MONTH_DURATION | Value should be in months.<br>This value is used to decide employment stability.                        |
| Origination Config          | IS_REGISTRATION_MANDATORY           | This flag used to force mandatory channel registration while submitting application.                    |
| Origination Config          | MAX_ALLOWED_VEHICLE_AGE             | Maximum age allowed for vehicle.  |
| Origination Config          | ORG_REG_LINK_TIMEOUT                | Channel registration link time out value  |
| Origination Config          | ORIGINATION_WORKFLOW_LOADER         | Workflow loader configuration   |
| Origination Config          | VEHICLE_MILEAGE_MAX_LIMIT           | Maximum mileage of used vehicle needs to be captured  |
| Origination Config          | VEHICLE_YEAR_MAX_LIMIT              | Maximum duration of used vehicle needs to be captured   |
| Origination Config          | RESIDENT_STABILITY_MONTH_DURATION   | Value should be in months.<br>This value is used to decide residential stability.                       |
| Origination Config          | SSN_MAX_LENGTH                      | Maximum length allowed for Social Security Number.  |
| Origination Config_ofsl1143 | DEALER_APPLICATION_NUMBER           | Dealer's application number present in OFSLL application.   |
| Origination Config_ofsl1143 | DEALER_ID                           | Dealer Id present in OFSLL application.   |

|                              |                              |   |
|------------------------------|------------------------------|---|
| Origination Config_ofsl I143 | LENDER_ID                    | Lender Id present in OFSLL application.   |
| Origination Config_ofsl I143 | LENDER_DEALER_ID             | Lender Dealer Id present in OFSLL application.  |
| Origination Config_ofsl I143 | COMPANY_CODE                 | Company Code present in OFSLL application.  |
| Origination Config_ofsl I143 | BRANCH_CODE                  | Branch Code present in OFSLL application.   |
| Origination Config_ofsl I143 | DATA_REQUIRED_FOR_SUBMISSION | Indicates if submission data should be used for submitting application details to host system.<br>Value should be 'true' for OFSLL setup. |

### 5.3 Disclosure configurations

Please follow doc (Origination\_disclosure\_configuration.doc) for configuring disclosures in OBAPIs OFSLL application.

### 5.4 Promo code maintenance

Promo codes (which exist in OFSLL application) can be maintained in OBAPIs database at table 'digx\_or\_promo\_codes'.

### 5.5 Dealer maintenance

Dealer details can be maintained in OBAPIs database at table 'digx\_or\_dealer\_details'

### 5.6 Social Media Integration

Please refer 'Oracle Banking APIs Origination Social Media Integration Guide' document to have social media integration.

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## 6. Product Configuration

To enable the products execute the following script.

```
Update DIGX_OR_PRODUCT_TYPE set STATUS = 'ACTIVE' where ID IN ('PAYDAYLOANH2','AUTOLOANH2');
```

This will enable the payday loans, and auto loans products.

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## 7. Admin Maintenance

Accommodation Type maintenance:

Execute the following scripts to add accommodation type maintenance.

Where OBAPIs\_BU is the entity id for which the OFSLL host is configured.

```
INSERT INTO DIGX_OR_ACC_TYPE (CODE, DESCRIPTION, ORDINAL,
DETERMINANT_VALUE, CREATED_BY, CREATION_DATE, LAST_UPDATED_BY,
LAST_UPDATE_DATE, OBJECT_STATUS, OBJECT_VERSION_NUMBER) VALUES
('OTHER', 'Other', 100, 'OBAPIs_BU', 'superadmin', sysdate, 'superadmin', sysdate, '', 1);
```

```
INSERT INTO DIGX_OR_ACC_TYPE (CODE, DESCRIPTION, ORDINAL,
DETERMINANT_VALUE, CREATED_BY, CREATION_DATE, LAST_UPDATED_BY,
LAST_UPDATE_DATE, OBJECT_STATUS, OBJECT_VERSION_NUMBER) VALUES
('PARENTS', 'Living with parents', 30, 'OBAPIs_BU', 'superadmin', sysdate, 'superadmin',
sysdate, '', 1);
```

```
INSERT INTO DIGX_OR_ACC_TYPE (CODE, DESCRIPTION, ORDINAL,
DETERMINANT_VALUE, CREATED_BY, CREATION_DATE, LAST_UPDATED_BY,
LAST_UPDATE_DATE, OBJECT_STATUS, OBJECT_VERSION_NUMBER) VALUES
('OWN', 'I own this home', 10, 'OBAPIs_BU', 'superadmin', sysdate, 'superadmin',
sysdate, '', 1);
```

```
INSERT INTO DIGX_OR_ACC_TYPE (CODE, DESCRIPTION, ORDINAL,
DETERMINANT_VALUE, CREATED_BY, CREATION_DATE, LAST_UPDATED_BY,
LAST_UPDATE_DATE, OBJECT_STATUS, OBJECT_VERSION_NUMBER) VALUES
('RENT', 'I pay rent', 20, 'OBAPIs_BU', 'superadmin', sysdate, 'superadmin', sysdate, '',
1);
```

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