

Oracle Banking APIs
OFSLL Setup and Configuration Guide

Release 18.2.0.0.0

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Table of Contents

1. Preface.....	4
1.1 Intended Audience	4
1.2 Documentation Accessibility	4
1.3 Access to Oracle Support	4
1.4 Structure.....	4
1.5 Related Information Sources.....	4
2. Introduction.....	5
2.1 Purpose of the Document	5
3. Prerequisites.....	6
4. Installation.....	7
4.1 Pre Installation.....	7
4.2 Steps of Installation	7
5. Database Configuration.....	24
5.1 System Configuration.....	Error! Bookmark not defined.
5.2 Additional (functional) Configurations	24
5.3 Disclosure configurations	26
5.4 Promo code maintenance	26
5.5 Dealer maintenance	26
5.6 Social Media Integration.....	26
6. Product Configuration	27
7. Admin Maintenance.....	28
7.1 Accommodation Type maintenance:.....	28
7.2 Financial Parameters maintenance:	28

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 18.2.0.0.0, refer to the following documents:

- User Manual Oracle Banking APIs Installer Pre-Requisite Setup
- User Manual 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 18.2.0.0.0 OFSLL with Oracle's own Core Banking and Origination Products.
- Advanced Configurations (Post installation)

[Home](#)

3. Prerequisites

OBAPIs 18.2.0.0.0 with OBP BASE flavor should be installed through OBAPIs Installer. This installation will be henceforth referred to in this manual as 'OBAPIs18.2 Base'.

For OBAPIs 18.2 Base installation, refer documents mentioned in *section 1.5 Related Information Sources*.

[Home](#)

4. Installation

4.1 Pre Installation

OBAPIs18.2.0.0.0 Base with OBP flavor should be installed through installer.

4.2 Steps of Installation

Download and extract. Post extraction '**OBDX_LZNInstaller**' folder would be available.

Ensure before installation following sub-directories are available:

- app
- db
- ui

4.2.1 Application deployment

The 'app' directory will have 3 artifacts to be deployed on the OBAPIs 18.2.0.0.0 Base Application server. Depending upon the user authenticator i.e., OUD or DB Authenticator either "obdx.app.rest.ear" or "obdx.app.rest.idm.ear" must be deployed.

- i. obdx.app.rest.ear
 - **Un-deploy 'obdx.app.rest.ear' Enterprise Application** from OBAPIs 18.2 Application Server. This artifact had been deployed as a part of OBAPIs 18.2 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 18.2.0.0.0 Base and deploy REST application project of the OBAPIs 18.2.0.0.0 US LZN, two libraries (ii & iii) and an application (iv) as mentioned above. All other libraries of OBAPIs 18.2.0.0.0 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.

Name	State	Type	Targets	Scope	Domain Partitions	Deployment Order
em_common(12.4.12.1.0.4.0)	Active	Library	AdminServer	Global	100	
em_common_pc_pojos_jar	Active	Library	AdminServer	Global	100	
em_error(12.4.12.1.0.4.0)	Active	Library	AdminServer	Global	100	
em_sdcore_pc_public_pc_jar	Active	Library	AdminServer	Global	100	
jersey(2.0.22.2.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100	
jrf(2.0.1.0.0.2-2-8)	Active	Library	AdminServer, obdc_cluster	Global	100	
jstl(1.2.1.2.0.1)	Active	Library	AdminServer, obdc_cluster	Global	100	
log4j_jar(1.3.1.2.15)	Active	Library	AdminServer	Global	100	
obdc.app.core.domain(18.1.0.0.0.201712181104)	New	Library	obdc_server1	Global	0	
obdc.app.core.patch(18.1.0.0.0.201712181104)	New	Library	obdc_server1	Global	0	
obdc.app.domain(18.1.0.0.0.201712181104)	New	Library	obdc_server1	Global	0	
clb:app:rest	New	Enterprise Application	obdc_server1	Global	0	
obdc.app.security(18.1.0.0.0.201712181104)	New	Library	obdc_server1	Global	0	
obdc.earstem.domain(18.1.0.0.0.201712181104)	New	Library	obdc_server1	Global	0	
obdc.lz.us.app.domain(18.1.0.0.0.201712181121)	New	Library	obdc_server1	Global	0	
obdc.lz.us.earstem.domain(18.1.0.0.0.201712181121)	New	Library	obdc_server1	Global	0	
obdc.thirdparty.app.domain(18.1.0.0.0.201712181104)	New	Library	obdc_server1	Global	0	
od.clickhistory(1.0.12.2.1)	Active	Library	AdminServer, obdc_cluster	Global	100	
od.clickhistory+webapp(1.0.12.2.1)	Active	Library	AdminServer, obdc_cluster	Global	100	
ohr-vrt(5.12.2.1.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100	
ohr-vrt(5.12.2.1.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100	
opss-rest	Active	Web Application	AdminServer	Global	150	
oracle.adf.configbeans(1.0.12.2.1.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100	
oracle.adf.desktopintegration(1.0.12.2.1.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100	
oracle.adf.desktopintegration.model(1.0.12.2.1.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100	
oracle.adf.management(1.0.12.2.1.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100	
oracle.bi.adf.model.ejb(1.0.12.2.1.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100	
oracle.bi.adf.view.sil(1.0.12.2.1.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100	
oracle.bi.adf.webcenter.ejb(1.0.12.2.1.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100	
oracle.bi.composer(11.1.1.0.1)	Active	Library	AdminServer, obdc_cluster	Global	100	

Confirm delete.

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
adfc.oracle.businesseditor(1.0.12.2.1.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100		
adfc.oracle.domain(1.0.12.2.1.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100		
adfc.oracle.domain.webapp(1.0.12.2.1.1.0)	Active	Library	AdminServer, obdc_cluster	Global	100		
coherence-transactionjar	Active	✓ OK	Resource Adapter	AdminServer, obdc_cluster	Global	100	
DMS Application (12.2.1.1.0)	Active	✓ OK	Web Application	AdminServer, obdc_cluster	Global	5	
em	Active	✓ OK	Enterprise Application	AdminServer	Global	400	
emagentsslmpopriv_jar(12.4.12.1.0.4.0)	Active	Library	AdminServer	Global	100		
emagentsslmp_jar(12.4.12.1.0.4.0)	Active	Library	AdminServer	Global	100		
emagenttdi_jar(12.4.12.1.0.4.0)	Active	Library	AdminServer	Global	100		
emas	Active	Library	AdminServer	Global	100		
encore	Active	Library	AdminServer	Global	100		
encoreclient_jar	Active	Library	AdminServer	Global	100		
encorecommon_jar	Active	Library	AdminServer	Global	100		
encoreconsole_jar	Active	Library	AdminServer	Global	100		
encorentdk_jar(11.2.0.1.0.12.1.0.0)	Active	Library	AdminServer	Global	100		

Success message will be displayed.

Summary of Deployments

Selected Deployments were deleted.

You must also activate the pending changes to commit this, and other updates, to the active system.

Summary of Deployments

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
adf.oracle.businesseditor(1.0,12.2.1.1.0)	Active		Library	AdminServer, InstallerTest	Global		100
adf.oracle.domain(1.0,12.2.1.1.0)	Active		Library	AdminServer, InstallerTest	Global		100
adf.oracle.domain.webapp(1.0,12.2.1.1.0)	Active		Library	AdminServer, InstallerTest	Global		100
AuditMDBEAR	New		Enterprise Application	InstallerTest	Global		100
BatchResourceAdapter	New		Enterprise Application	InstallerTest	Global		100

Steps to Deploy library/application -

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

Install Application Assistant

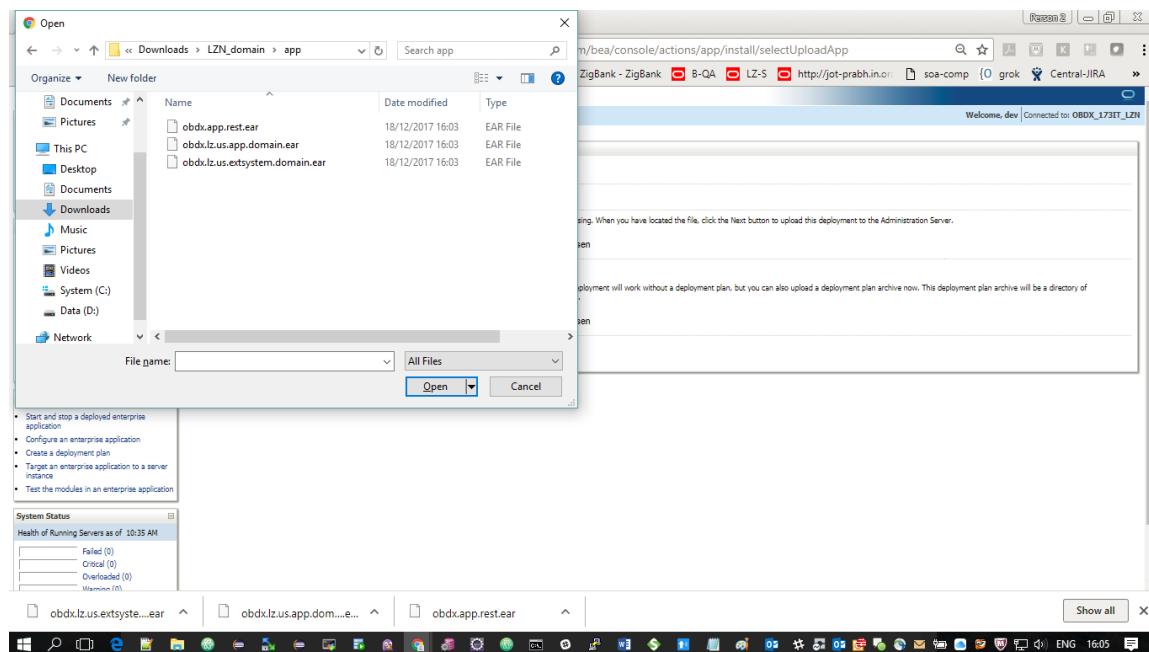
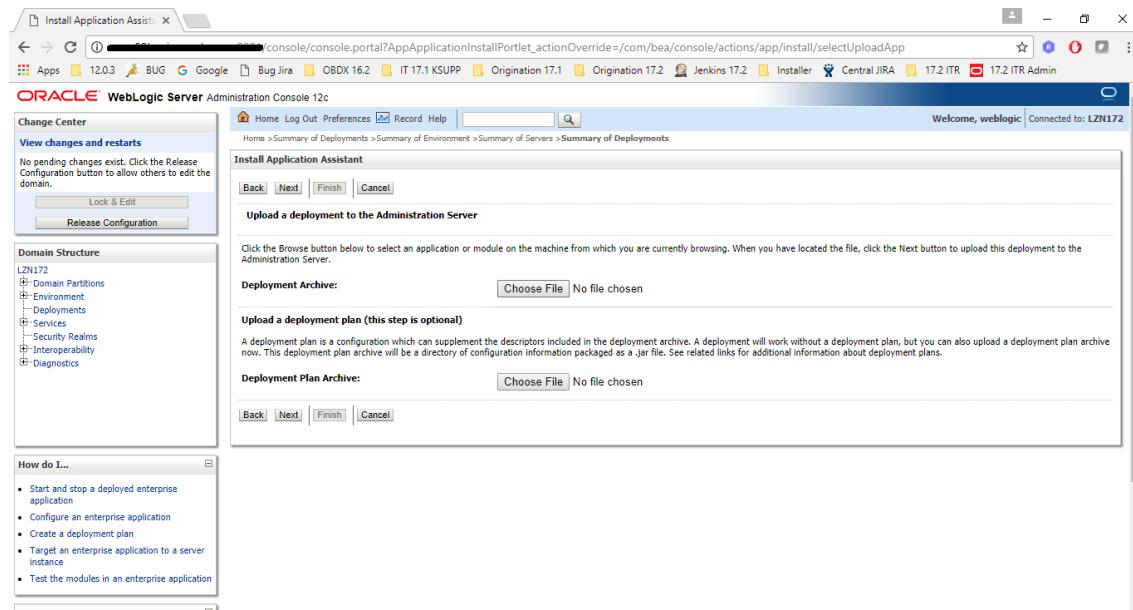
Locate deployment to install and prepare for deployment

Path: /home/devops/domain/LZN172

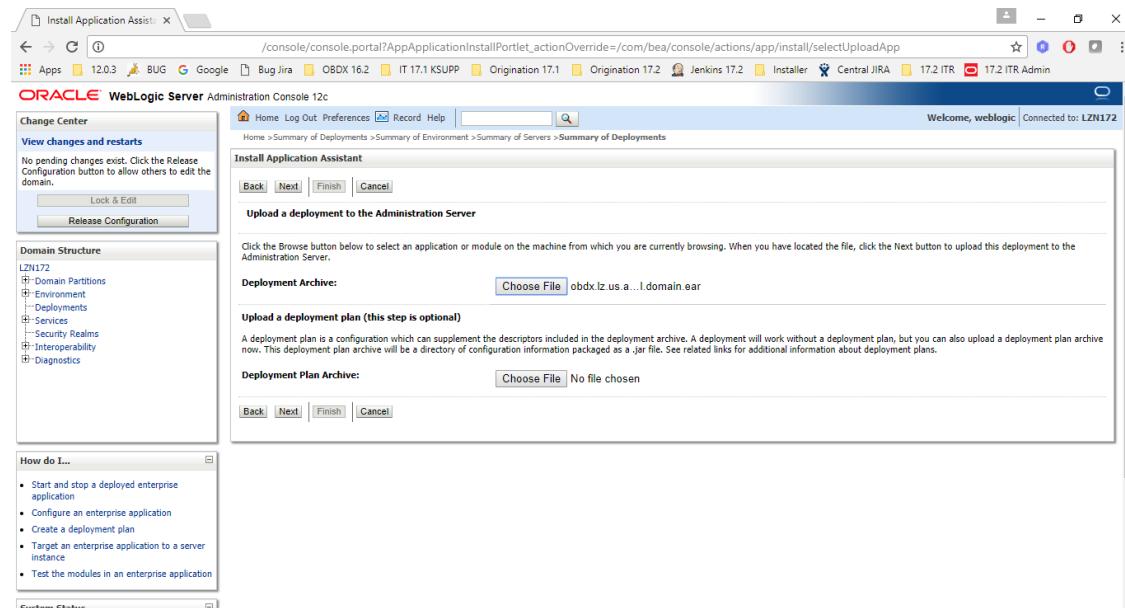
Recenty Used Paths: (none)

Current Location: mum00bzs.in.oracle.com / home / devops / domain / LZN172

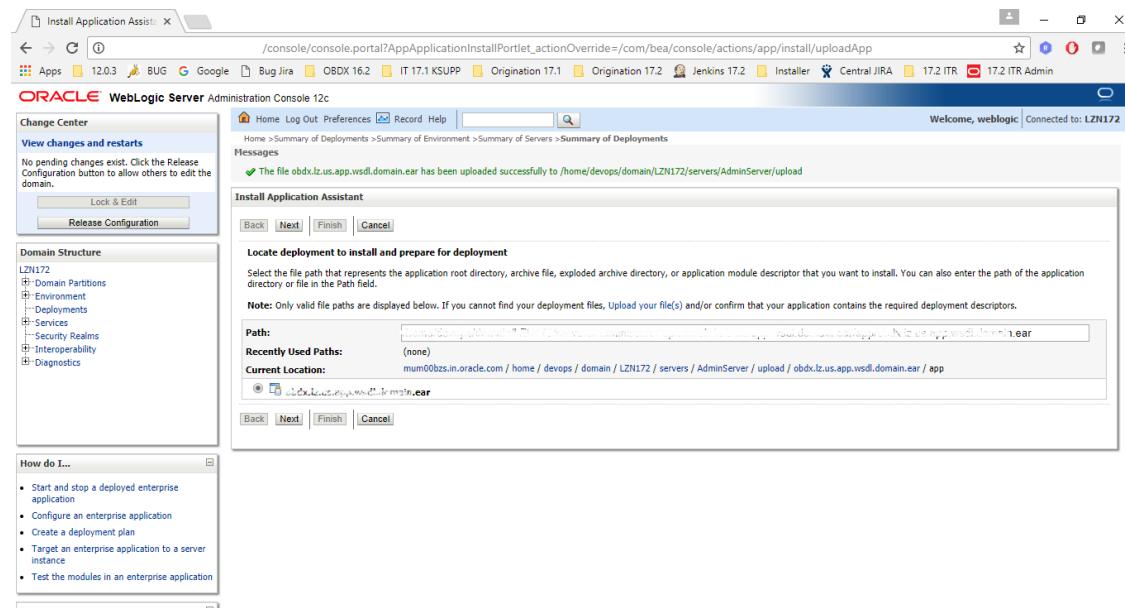
Click on 'Choose File' to select the library/application to upload.



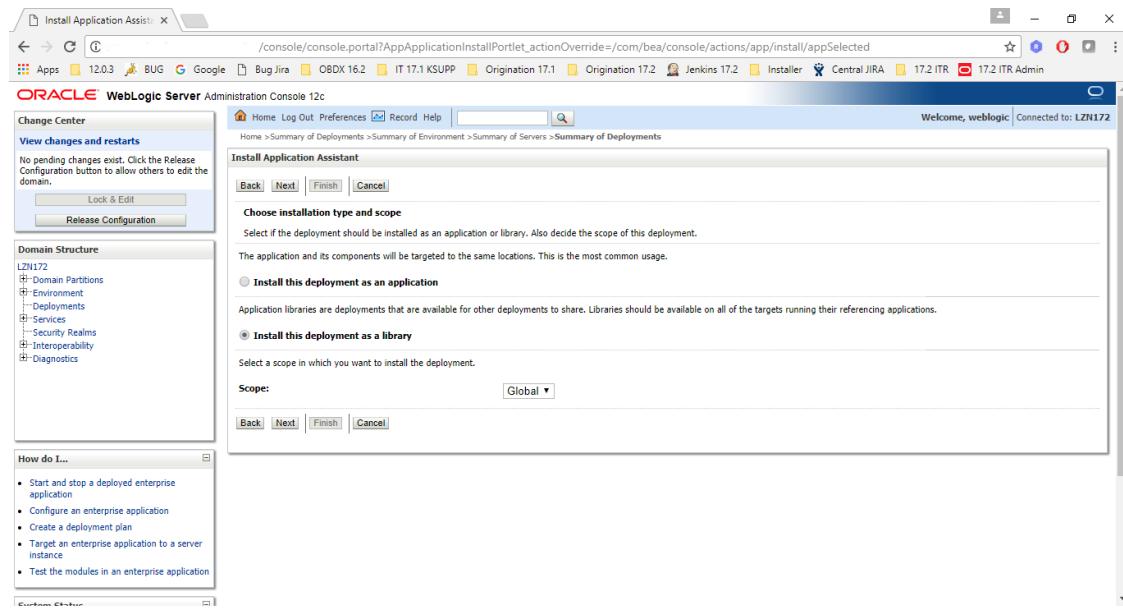
Click on NEXT button.



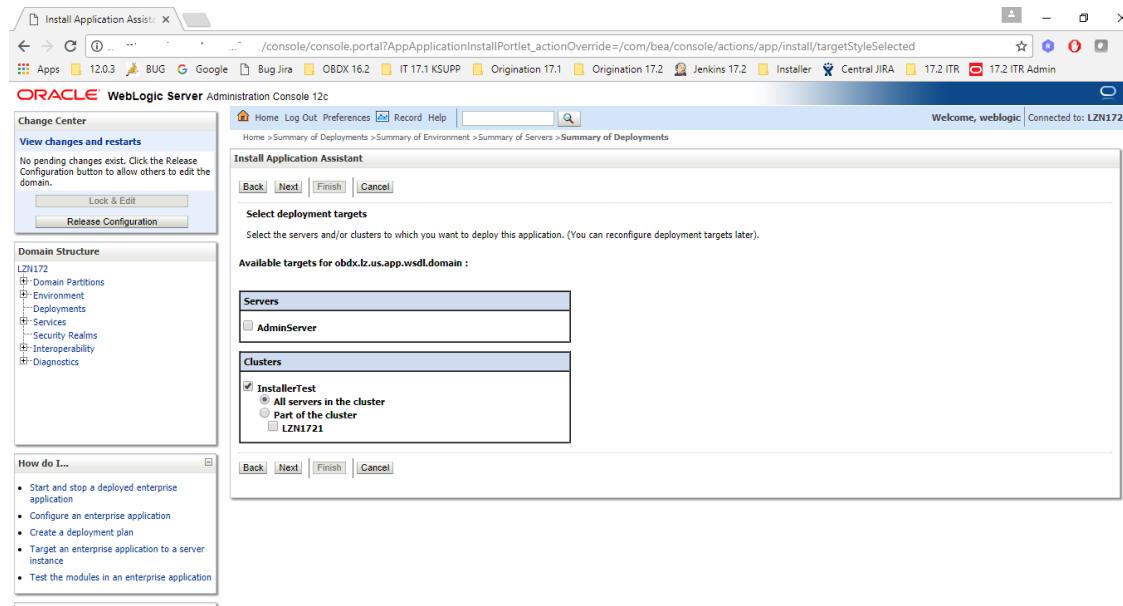
Again click on NEXT button.



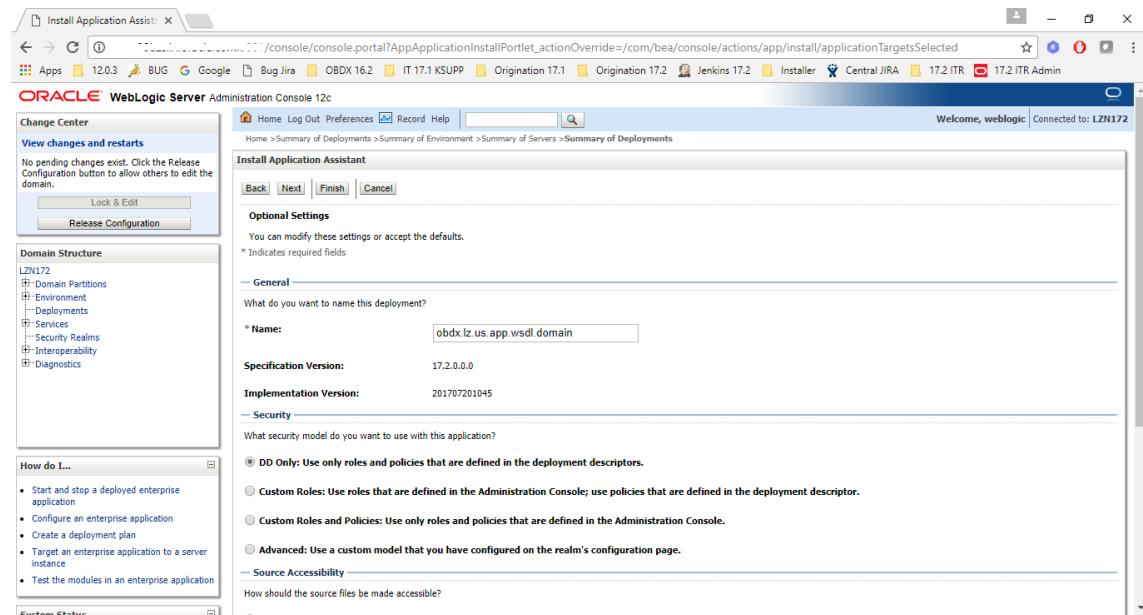
Select 'Install as library/application', as per the deployment.



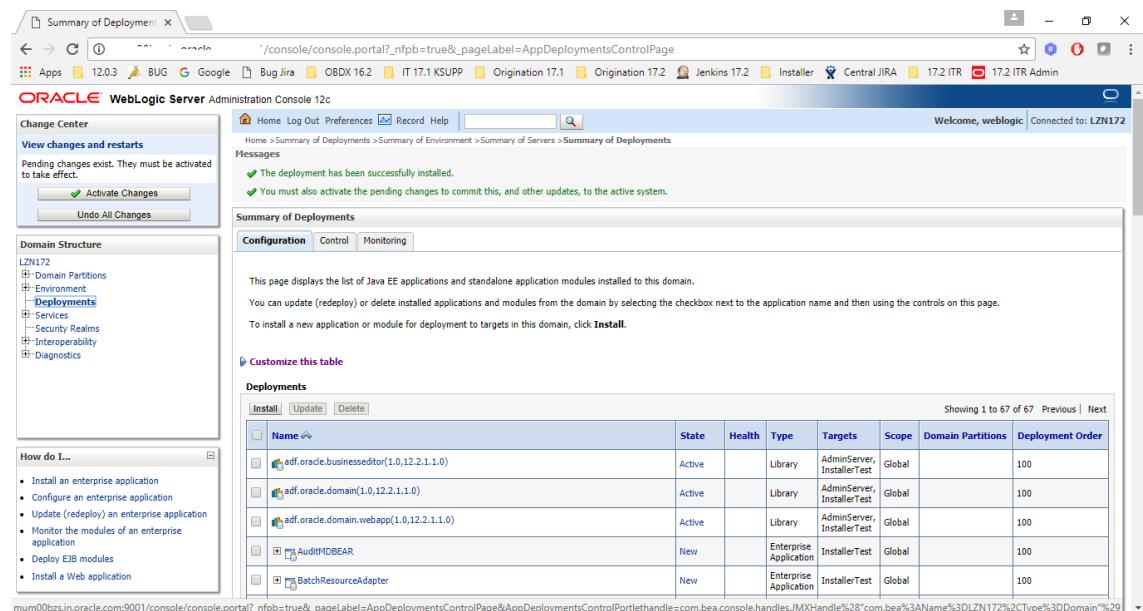
Select the managed server/cluster to deploy on. Click on Next.



Click on Finish.



Confirmation of installation will be displayed.



	com.ofss.digx.app.connector	Base Application	Active	OK	Enterprise Application	obdx_server	Global	
	obdx.app.core.domain(18.1.0.0.0.201712171135)	Base libraries	Active	Library	obdx_server	Global		
	obdx.app.core.patch(18.1.0.0.0.201712171135)		Active	Library	obdx_server	Global		
	obdx.app.domain(18.1.0.0.0.201712171135)		Active	Library	obdx_server	Global		
	obdx.app.rest	Base Application	Active	OK	Enterprise Application	obdx_server	Global	
	obdx.app.security(18.1.0.0.0.201712171135)		Active	Library	obdx_server	Global		
	obdx.extsystem.domain(18.1.0.0.0.201712171135)	Base libraries	Active	Library	obdx_server	Global		
	obdx.thirdparty.app.domain(18.1.0.0.0.201712171135)		Active	Library	obdx_server	Global		

Figure 1 : Deployments after OBAPIs18.2.0.0.0 Base Installation

	com.ofss.digx.app.connector	Base Application	Active	OK	Enterprise Application	obdx_server	Global	
	obdx.app.core.domain(18.1.0.0.0.201712181210)	Base libraries	Active	Library	obdx_server	Global		
	obdx.app.core.patch(18.1.0.0.0.201712181210)		Admin	Library	obdx_server	Global		
	obdx.app.domain(18.1.0.0.0.201712181210)		Active	Library	obdx_server	Global		
	obdx.app.rest	LZN Application	Active	OK	Enterprise Application	obdx_server	Global	
	obdx.app.security(18.1.0.0.0.201712181210)		Active	Library	obdx_server	Global		
	obdx.extsystem.domain(18.1.0.0.0.201712181210)	Base libraries	Active	Library	obdx_server	Global		
	obdx.lz.us.app.domain(18.1.0.0.0.201712181227)	LZN libraries	Active	Library	obdx_server	Global		
	obdx.lz.us.extsystem.domain(18.1.0.0.0.201712181227)		Active	Library	obdx_server	Global		
	obdx.thirdparty.app.domain(18.1.0.0.0.201712181210)	Base library	Active	Library	obdx_server	Global		

Figure 2: Deployments after OBAPIs 18.2.0.0.0 OFSLL Installation

4.2.2 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.

adf.oracle.domain.webapp(1.0,12.2.1.0.0)	Active
coherence-transaction-rar	Active ✓ OK
com.ofss.digx.app.connector	Active ✓ OK

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

com.ofss.digx.app.connector	Active
Modules	
com.ofss.digx.connector.rar	Active
EJBs	com.ofss.digx.connector.rar, Level 3, 1 of 1
Web Services	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
<input type="checkbox"/> 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 associated with? This resource adapter. Each Outbound Connection Pool can then configure themselves to use this credential map.

Customize this table

Create a New Security Credential Map Entry for:

<input 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 configui them. Selecting 'User for unauthenticated user' will configure the us 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 → OBDX_PASSWORD123

Confirm Password → OBDX_PASSWORD123

10. Restart the manage server to activate the changes.

4.2.3 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.

adf.oracle.domain.webapp(1.0,12.2.1.0.0)	Active
coherence-transaction-rar	Active ✓ OK
com.ofss.digx.app.connector	Active ✓ OK

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

com.ofss.digx.app.connector	Active
Modules	
com.ofss.digx.connector.rar	None to display
EJBs	com.ofss.digx.connector.rar, Level 3, 1 of 1
Web Services	None to display

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

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 map all 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
<input type="checkbox"/> 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.

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 map to the EIS.

Customize this table

Create a New Security Credential Map Entry for:

<input 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.

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.

4.2.4 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.

4.2.5 UI deployment

The ‘ui’ directory contains all the UI related files. The UI deployed by OBAPIs 18.2.0.0.0 Base installation should be replaced by the UI contents of this directory.

Note: No change required in OHS.

[Home](#)

5. Database Configuration

Following configurations need to be done post installation

5.1 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. Example:- .txt,.png,.xlsx,.doc,.pdf,.jpeg,.jpg

Origination Config	CONTENT_UPLOAD_MIME_TYPES_WHITE_LIST	Allowed MIME types for file uploading. Example:- application/pdf,image/jpeg,image/png
Origination Config	CONTENT_UPLOAD_MIME_TYPES_ZIP_LIST	Allowed MIME types for uploading zip document. Example:- application/x-compressed
Origination Config	DRIVING_LICENSE_EXPIRY_DURATION	Value should be in years. 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. 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. This value is used to decide residential stability.
Origination Config	SSN_MAX_LENGTH	Maximum length allowed for Social Security Number.

5.2 Disclosure configurations

Please follow doc (Origination_disclosure_configuration.doc) for configuring disclosures in OB APIs OFSLL application.

5.3 Promo code maintenance

Promo codes (which exist in OFSLL application) can be maintained in OBDX database at table 'digx_or_promo_codes'.

5.4 Dealer maintenance

Dealer details can be maintained in OB APIs database at table 'digx_or_dealer_details'

5.5 Social Media Integration

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

[Home](#)

6. Product Configuration

To enable the products execute the following script.

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

Where 'OBDX_BU' is the entity id for which the system is configured.

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

[Home](#)

7. Admin Maintenance

7.1 Accommodation Type maintenance:

Execute the following scripts to add accommodation type maintenance.

Where OBDX_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, 'OBDX_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, 'OBDX_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, 'OBDX_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, 'OBDX_BU', 'superadmin', sysdate, 'superadmin', sysdate, 1);
```

7.2 Financial Parameters maintenance:

Execute the following scripts to add financial parameters.

Where OBDX_BU is the entity id for which the OFSLL host is configured.

```
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('EM', 'OBDX_BU', 'Salary', 'Income', 10, 'AUTOLOANFLL');
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('RE', 'OBDX_BU', 'Rental Income', 'Income', 20, 'AUTOLOANFLL');
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('PN', 'OBDX_BU', 'Pension', 'Income', 30, 'AUTOLOANFLL');
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('SS', 'OBDX_BU', 'Social Security', 'Income', 40, 'AUTOLOANFLL');
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('IN', 'OBDX_BU', 'Investment Income', 'Income', 50, 'AUTOLOANFLL');
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('AL', 'OBDX_BU', 'Alimony', 'Income', 60, 'AUTOLOANFLL');
```

```
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('CS', 'OBDX_BU', 'Child Support', 'Income', 70, 'AUTOLOANFLL');
```

```
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('DI', 'OBDX_BU', 'Damages for Injury/Disability', 'Income', 80, 'AUTOLOANFLL');
```

```
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('EM', 'OBDX_BU', 'Salary', 'Income', 90, 'PAYDAY');
```

```
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('RE', 'OBDX_BU', 'Rental Income', 'Income', 100, 'PAYDAY');
```

```
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('PN', 'OBDX_BU', 'Pension', 'Income', 110, 'PAYDAY');
```

```
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('SS', 'OBDX_BU', 'Social Security', 'Income', 120, 'PAYDAY');
```

```
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('IN', 'OBDX_BU', 'Investment Income', 'Income', 130, 'PAYDAY');
```

```
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('AL', 'OBDX_BU', 'Alimony', 'Income', 140, 'PAYDAY');
```

```
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('CS', 'OBDX_BU', 'Child Support', 'Income', 150, 'PAYDAY');
```

```
Insert into DIGX_OR_FINANCIAL_PARAMETERS (CODE, DETERMINANT_VALUE, DESCRIPTION, FIN_PARAM_TYPE, ORDINAL, PRODUCT_SUB_CLASS) values ('DI', 'OBDX_BU', 'Damages for Injury/Disability', 'Income', 160, 'PAYDAY');
```

[Home](#)