

Oracle® Banking APIs

Single Sign-on Configuration-SAML



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Purpose

This guide is designed to help acquaint you with the Oracle Banking application. This guide provides answers to specific features and procedures that the user need to be aware of the module to function successfully.

Audience

This document is intended for the following audience:

- Customers
- Partners

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Related Resources

For more information on any related features, refer to the following documents:

- Oracle Banking APIs Installation Manuals

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

Table 1 Acronyms and Abbreviations

| Abbreviation | Description |
|--------------|---------------------|
| OBAPI | Oracle Banking APIs |

1

Introduction

This document covers step-by-step details on configuration required at IDCS side (Application and User) and WebLogic console configurations for SAML and SQL Authentication Providers. Document also includes the configuration required on OHS to enable different URL's for internal and external user login.

2

Configuration

To enable SAML authentication it involves configuration at WebLogic server (console) and IDCS console.

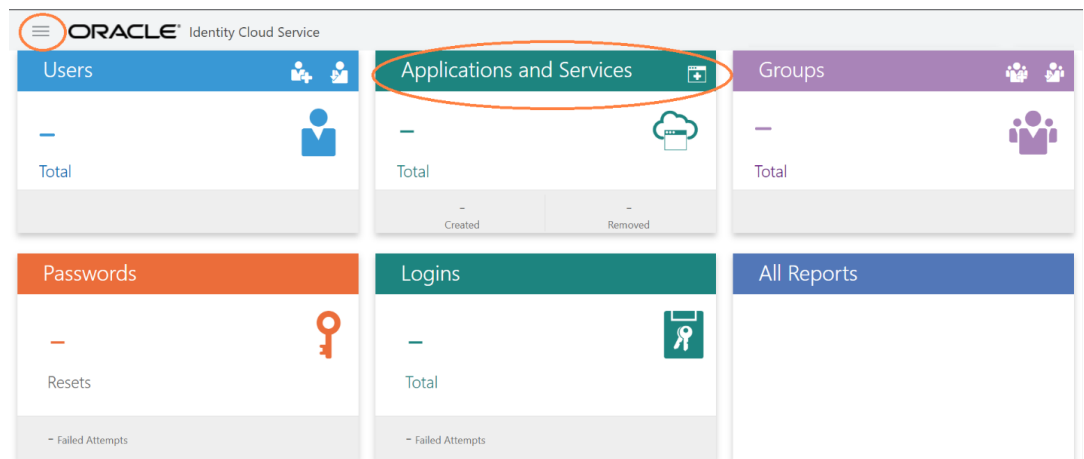
- [Identity Provider Configuration at IDCS](#)
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2.1 Identity Provider Configuration at IDCS

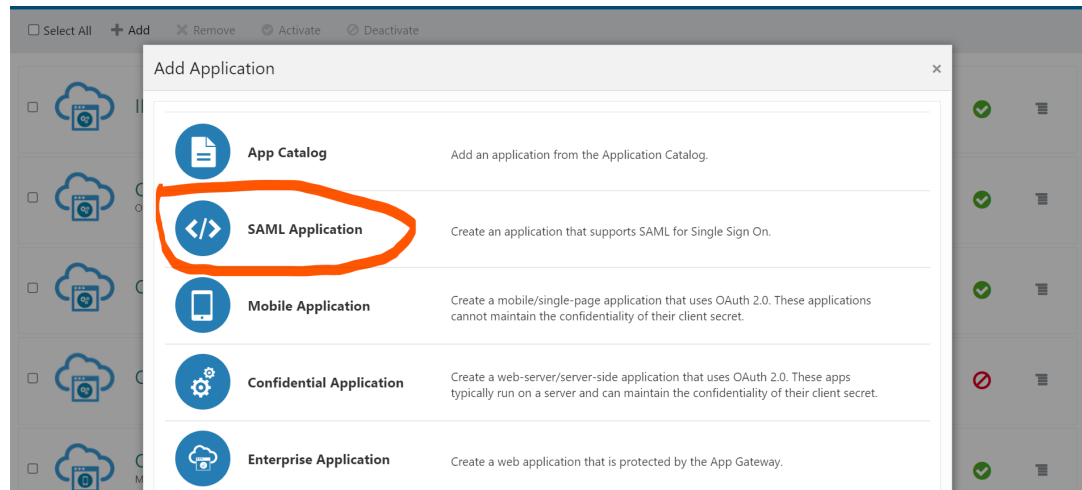
Steps to configure Identity Provide at IDCS

1. Login to Oracle Identity Cloud Service (IDCS) console with admin login. In dashboard click on **Add Application** in Application and Services widget or navigate through the breadcrumb menu as highlighted in screenshot.

Figure 2-1 Dashboard



2. In popup window select **SAML** Application.

Figure 2-2 Add Application

3. In **Add SAML Application** page provide below mentioned fields and click on **Next**.

- a. Name
- b. Description

Figure 2-3 Add SAML Application

Add SAML Application


Cancel Next >

1 ————— 2
Details SSO Configuration

App Details

* Name

Description

Application Icon 

Application URL / Relay State

4. Fill below mentioned fields as per section.

- a. General
 - i. Entity Id - A unique identifier / name for the service provider.
 - ii. Assertion Consumer URL - End point to which assertion will be sent by IDCS.
Recommended URL format `<OHS_URL>/saml2/sp/acs/pos`
e.g. `<PROTOCOL> : // <OHS_HOST> : <OHS_PORT> /saml2/sp/acs/post`
`http://whf000xxx.bank.com:9999/saml2/sp/acs/post`
 - iii. NameID Format- Select value as "Unspecified".
 - iv. NameID Value- Select value as "User Name".

Figure 2-4 Add SAML Application

Add SAML Application

◀ Back

Details SSO Configuration

Download Signing Certificate Download Identity Provider Metadata

General

Use this section to define the required SSO attributes for the application and to upload the application's signing certificate.

* Entity ID OBDX_SAML

* Assertion Consumer URL http://example.com/saml2/sp/acs/post

* NameID Format Unspecified

* NameID Value User Name

Signing Certificate Upload

b. Advance Settings

- i. Signed SSO :- Select value as “Assertion”
- ii. Enable Single Logout: - This field should be checked.
- iii. Logout Binding: - Select value as “Redirect”.
- iv. Single Logout URL: - End point which IDCS will make call to do single logout functionality.
Recommended URL format <OHS_URL>/digx-infra/sso-logout
e.g. <PROTOCOL>: // <OHS_HOST>: <OHS_PORT>/digx-infra/sso-logout
<http://whf000xxx.bank.com:9999/digx-infra/sso-logout>
- v. Logout Response URL: -
Recommended URL format <OHS_URL>/digx-infra/sso-logout
e.g. <PROTOCOL>: // <OHS_HOST>: <OHS_PORT>/digx-infra/sso-logout
<http://whf000xxx.bank.com:9999/digx-infra/sso-logout>

Figure 2-5 Add SAML Application

Advanced Settings

This section contains additional configuration options.

Signed SSO Assertion

Include Signing Certificate in Signature ☐

Signature Hashing Algorithm SHA-256

Enable Single Logout ☒

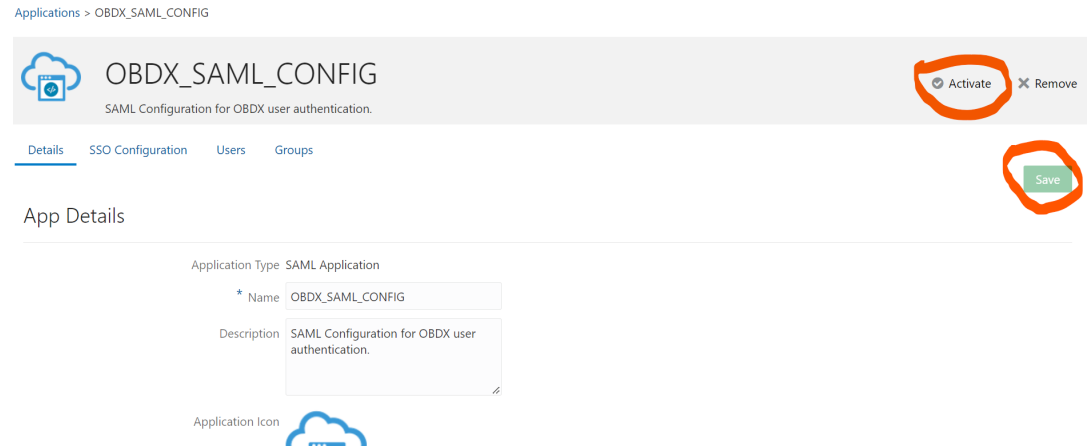
* Logout Binding Redirect

* Single Logout URL http://example.com:9999/digx-infra/ssc

* Logout Response URL http://example.com:9999

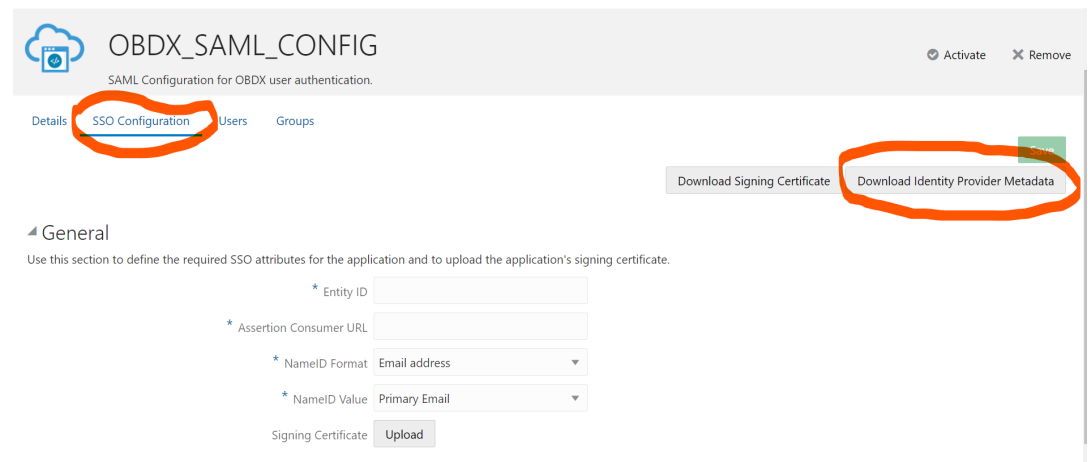
Encrypt Assertion ☐

5. Click on **Finish / Save**.
6. Click on **Activate** button to activate your application.

Figure 2-6 Edit Application

7. Navigate to Dashboard and search the application you have created.
8. Navigate to **SSO Configuration** tab and click on “**Download Identity Provider Metadata**”.

Keep the downloaded xml file, it will be required to upload in WebLogic console. Same is explain in WebLogic console configuration steps.

Figure 2-7 Edit Application

9. Copy / FTP the downloaded IDC metadata xml file to WebLogic server using winscp / putty.
 10. Navigate to **Users** tab in application to add the users related to application.
 11. Click on **Assign Users or Assign (+)** button to search and add the users into application.
- If user is not available follow steps mentioned in Section 1.3 to create new user.

Figure 2-8 Edit Application

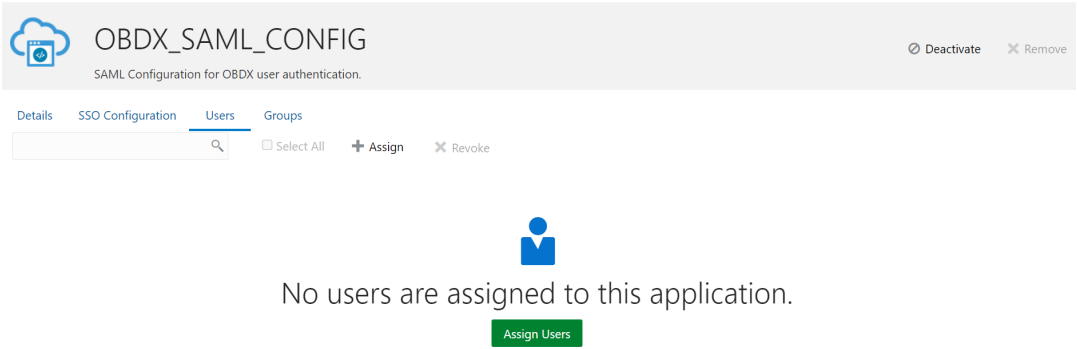
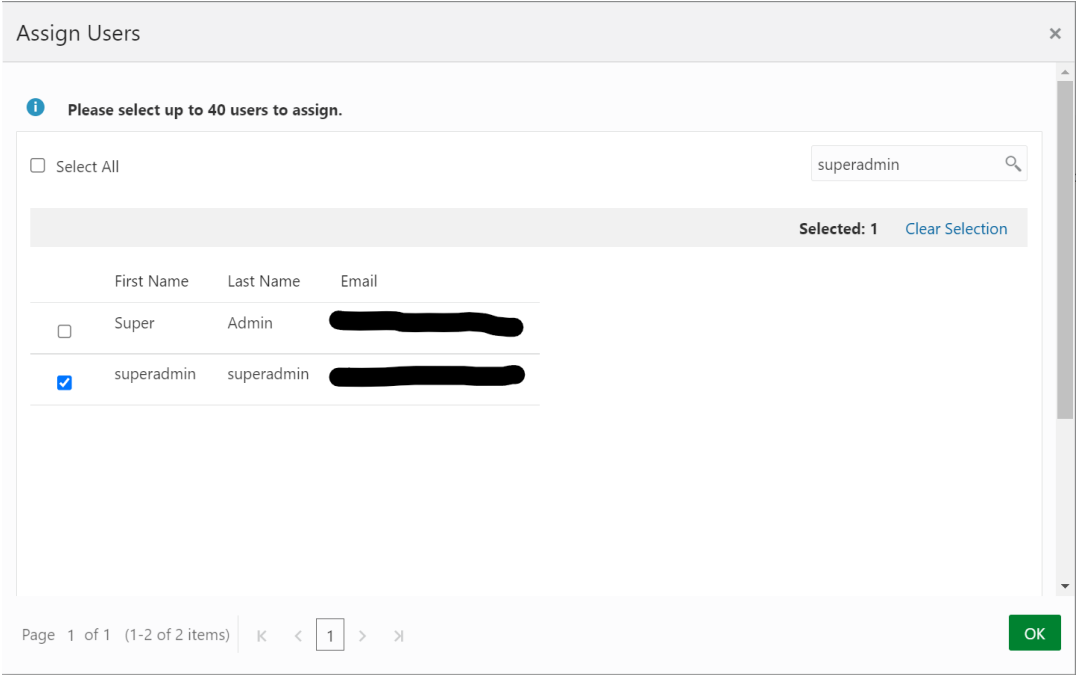


Figure 2-9 Assign Users



12. Logout from IDSC console.

2.2 Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

Table 2-1 Acronyms and Abbreviations

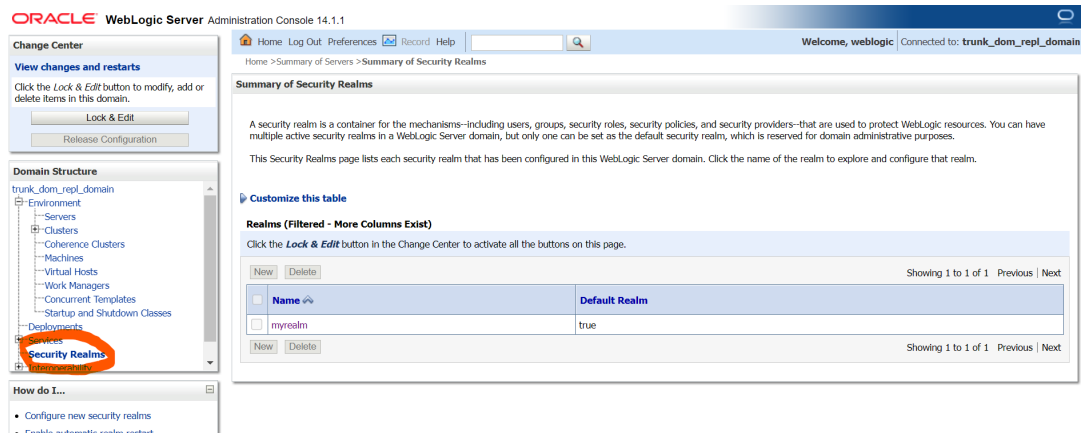
| Abbreviation | Description |
|--------------|---------------------|
| OBAPI | Oracle Banking APIs |

2.3 SQL Authentication Provider configuration

Steps to configure SQL Authentication Providers changes into WebLogic console.

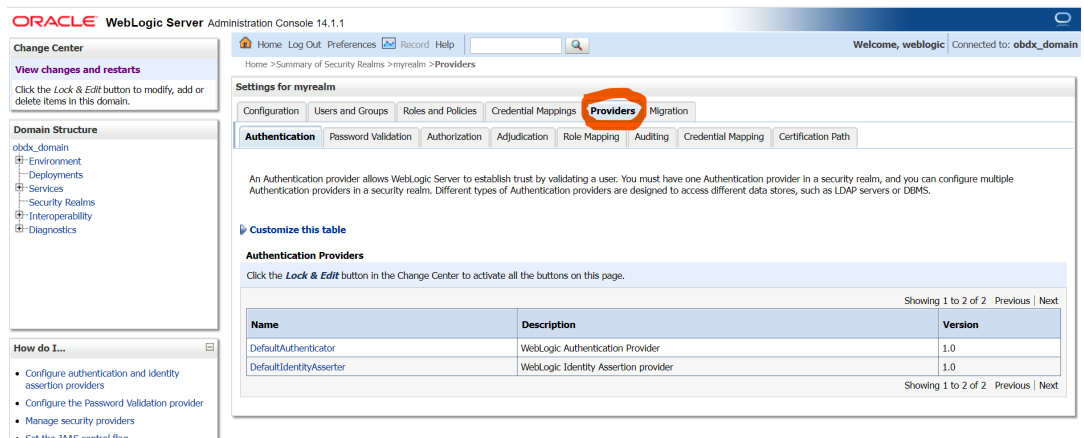
1. Login to WebLogic console with admin login and navigate to “Security Realms”.

Figure 2-10 Security Realms



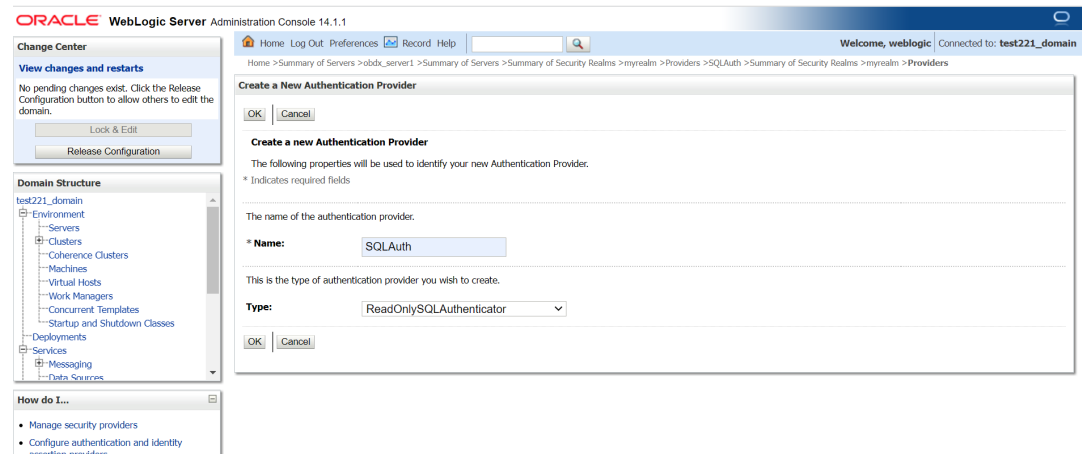
2. → Click on myrealm or your realm name present in screen. Navigate to “Providers” tab.

Figure 2-11 Providers



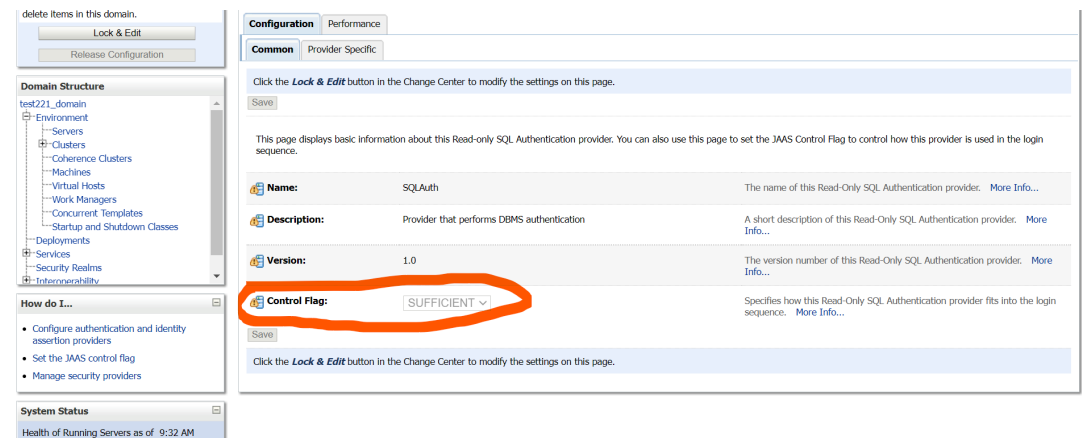
3. Click on **New** button to create new Authentication Provider.
Fill the below mentioned fields with appropriate values and click on **OK**.
 - a. Name: Name of authentication provider.
 - b. Type :Select value as “ReadOnlySQLAuthenticator”.

Figure 2-12 Create New Authentication Provider



4. Open newly created authentication provider (e.g. SQLAuth). Select the value of Control Flag as “SUFFICIENT”.

Figure 2-13 Settings for Read Only SQL Authentication Provider



5. Navigate to “Provider Specific” tab to configuration related to SQL Authentication.
6. Provide the values to fields mentioned below with given value in case it is not auto populated.
 - a. Data Source Name: NONXA
 - b. SQL Get Users Password: SELECT U_PASSWORD FROM USERS WHERE U_NAME = ?
 - c. SQL User Exists: SELECT U_NAME FROM USERS WHERE U_NAME = ?
 - d. SQL List Users: SELECT U_NAME FROM USERS WHERE U_NAME LIKE ?
 - e. SQL List Groups: SELECT G_NAME FROM GROUPS WHERE G_NAME LIKE ?
 - f. VI. SQL Group Exists: SELECT G_NAME FROM GROUPS WHERE G_NAME = ?
 - g. SQL Is Member: SELECT G_MEMBER FROM GROUPMEMBERS WHERE G_NAME = ? AND G_MEMBER = ?
 - h. SQL List Member Groups: SELECT G_NAME FROM GROUPMEMBERS WHERE G_MEMBER = ?

- i. SQL Get User Description: - SELECT U_DESCRIPTION FROM USERS WHERE U_NAME = ?
- j. SQL Get Group Description: - SELECT G_DESCRIPTION FROM GROUPS WHERE G_NAME = ?

Figure 2-14 Settings for Read Only SQL Authentication Provider

Data Source Name: NONXA [More Info...](#)

Group Membership Searching: unlimited [More Info...](#)

Max Group Membership Search Level: 0 [More Info...](#)

SQL Get Users Password: SELECT U_PASSWORD FROM [More Info...](#)

SQL User Exists: SELECT U_NAME FROM [More Info...](#)

SQL List Users: SELECT U_NAME FROM [More Info...](#)

SQL List Groups: SELECT G_NAME FROM [More Info...](#)

SQL Group Exists: SELECT G_NAME FROM [More Info...](#)

SQL Is Member: SELECT G_MEMBER FROM [More Info...](#)

SQL List Member Groups: SELECT G_NAME FROM [More Info...](#)

☒ **Descriptions Supported** [More Info...](#)

SQL Get User Description: SELECT U_DESCRIPTION [More Info...](#)

SQL Get Group Description: SELECT G_DESCRIPTION [More Info...](#)

[Save](#)

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

7. Click on **Save**.
8. Navigate to “**Security Realms**” → myrealms → Providers and click on **Reorder** button.

Figure 2-15 Authentication

Configuration Users and Groups Roles and Policies Credential Mappings **Providers** Migration

Authentication Password Validation Authorization Adjudication Role Mapping Auditing Credential Mapping Certification Path

An Authentication provider allows WebLogic Server to establish trust by validating a user. You must have one Authentication provider in a security realm, and you can configure multiple Authentication providers in a security realm. Different types of Authentication providers are designed to access different data stores, such as LDAP servers or DBMS.

[Customize this table](#)

Authentication Providers

[New](#) [Delete](#) [Reorder](#) Showing 1 to 4 of 4 Previous | Next

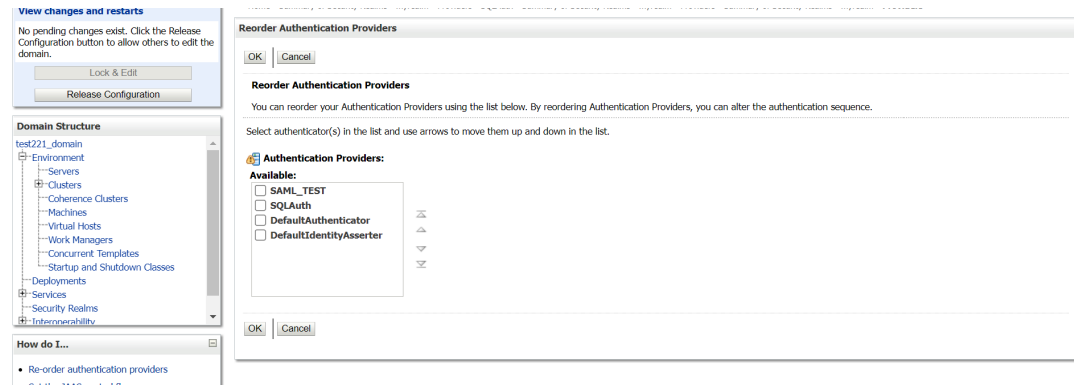
| <input type="checkbox"/> | Name | Description | Version |
|--------------------------|-------------------------|---|---------|
| <input type="checkbox"/> | SAML_TEST | SAML 2.0 Identity Assertion Provider. Supports Security Assertion Markup Language v2.0. | 1.0 |
| <input type="checkbox"/> | SQLAuth | Provider that performs DBMS authentication | 1.0 |
| <input type="checkbox"/> | DefaultAuthenticator | WebLogic Authentication Provider | 1.0 |
| <input type="checkbox"/> | DefaultIdentityAsserter | WebLogic Identity Assertion provider | 1.0 |

[New](#) [Delete](#) [Reorder](#) Showing 1 to 4 of 4 Previous | Next

9. Reorder the authentication providers as given below.

- a. SAML Authentication Provider
- b. SQL Authentication Provider
- c. Default Authenticator

Figure 2-16 Reorder Authentication Providers



10. Restart all the servers in domain including Admin Server.

Note

Accessing /saml2 uri from OHS (<OHS_URL>/saml2), /saml2 uri has to be proxy bypassed from OHS

2.4 OHS Configuration

Provides details on configuration required on OHS to enable different URL's for internal and external users. i.e authentication with OBDX or external service provider.

1. Open obdx.conf file from OHS server. You can find the location of obdx.conf file from httpd.conf file.
2. Verify if proxypass URLs are configured in obdx.conf file. If not then add entries as mentioned in below format.

```
ProxyPassMatch "/digx(.*)" "<PROTOCOL>://<WL_HOST_NAME>:<WL_PORT>/digx$1"
ProxyPassReverse "/digx(.*)" "<PROTOCOL>://<WL_HOST_NAME>:<WL_PORT>/digx$1"
ProxyPassMatch "/saml2(.*)" "<PROTOCOL>://<WL_HOST_NAME>:<WL_PORT>/saml2$1"
ProxyPassReverse "/saml2(.*)" "<PROTOCOL>://<WL_HOST_NAME>:<WL_PORT>/saml2$1"
ProxyPassMatch "/digx(.*)" "http://whf000xxx.bank.com:19003/digx$1"
ProxyPassReverse "/digx(.*)" "http://whf000xxx.bank.com:19003/digx$1"
ProxyPassMatch "/saml2(.*)" "http://whf000xxx.bank.com:19001/saml2$1"
ProxyPassReverse "/saml2(.*)" "http://whf000xxx.bank.com:19001/saml2$1"
```

3. Add below virtual configuration into obdx.conf file.

```
##Virtual HostsListen <PORT_1><VirtualHost *: <PORT_1>>      ServerName
    <HOST_NAME>
    RewriteEngine On
    RewriteOptions inherit
    <Directory
    "${DocumentRoot}">
```

```
Options FollowSymLinks
AllowOverride all
</Directory></VirtualHost> Listen <PORT_2><VirtualHost
    *: <PORT_2>>
    ServerName <HOST_NAME>
    RewriteEngine On
    RewriteRule      "^(.*)/config\.js$"
    "<SERVER_PROTOCOL>://<HOST_NAME>:<PORT_2>/framework/js/
configurations/config-admin.js" [R]
    <Directory
    "${DocumentRoot}">
    Options FollowSymLinks
    AllowOverride all
    </Directory>
</VirtualHost>
```

❗ Note

Replace the <PORT_1> & <PORT_2> with the ports which are expose to outside world. Replace <SERVER_PROTOCOL> and <HOST_NAME> with appropriate values. E.g. http and whfxxx.sample.com (if hostname is not available then <HOST_NAME> value can be IP address.)

```
# All other request passed through this rules.
ProxyPassMatch "/digx(.*)" "http://whf00qiw.in.oracle.com:19001/digx$1"
ProxyPassReverse "/digx(.*)" "http://whf00qiw.in.oracle.com:19001/digx$1"
ProxyPassMatch "/saml2(.*)" "http://whf00qiw.in.oracle.com:19001/saml2$1"
ProxyPassReverse "/saml2(.*)" "http://whf00qiw.in.oracle.com:19001/saml2$1"

##Virtual Hosts
Listen 8888
<VirtualHost *:8888>
    ServerName whf00qiw.in.oracle.com
    RewriteEngine On
    RewriteOptions inherit

    <Directory "${DocumentRoot}">
        Options FollowSymLinks
        AllowOverride all
        #Require all granted
    </Directory>
</VirtualHost>

Listen 9999
<VirtualHost *:9999>
    ServerName whf00qiw.in.oracle.com
    RewriteEngine On
    RewriteRule      "^(.*)/config\.js$" "http://whf00qiw.in.oracle.com:9999/framework/js/configurations/config-admin.js" [R]

    <Directory "${DocumentRoot}">
        Options FollowSymLinks
        AllowOverride all
        #Require all granted
    </Directory>
</VirtualHost>
```

4. Save obdx.conf file and restart ohs server.

2.5 Related Resources

For more information on any related features, refer to the following documents:

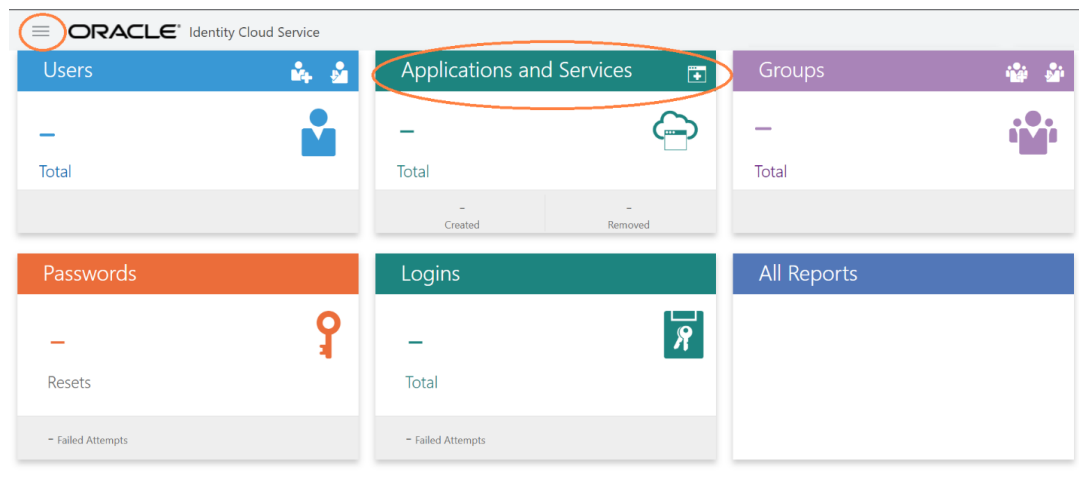
- Oracle Banking APIs Installation Manuals

2.6 IDCS OAuth Integration

To fetch the user information from external SSO provider, application need to be registered as a client in IDCS. Below steps providers details on registering the application in IDCS.

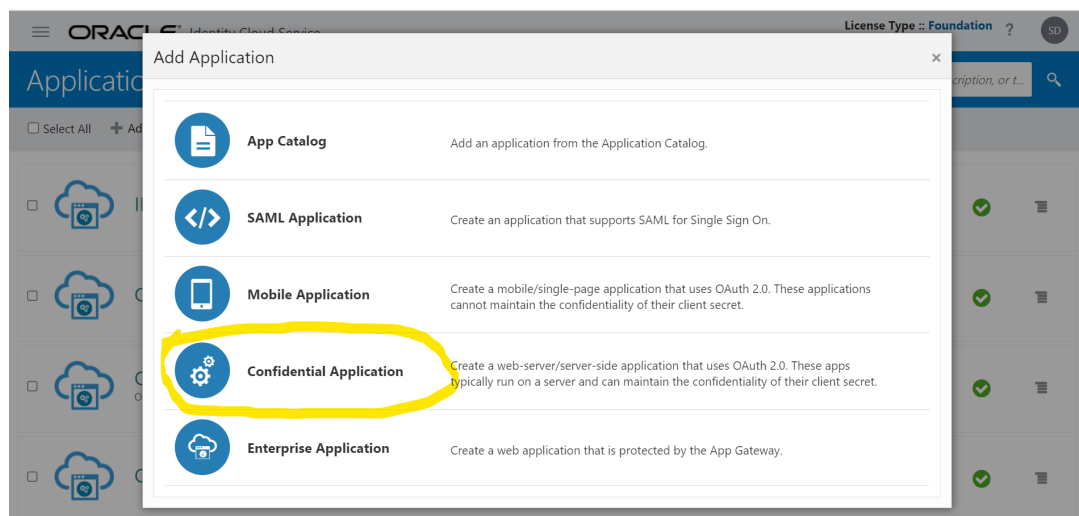
1. Login to Oracle Identity Cloud Service (IDCS) console with admin login. In dashboard click on **Add Application** in **Applications and Services** widget or navigate through the breadcrumb menu as highlighted in screenshot.

Figure 2-17 Dashboard



2. In popup window select Confidential Application.

Figure 2-18 Add Application



3. In **Add Confidential Application** page provide below mentioned fields and click on **Next**.
 - a. Name
 - b. Description

Figure 2-19 Add Confidential Application

Add Confidential Application


Cancel 1 2 3 4 5 Next >

Details Client Resources Web Tier Policy Authorization

App Details

* Name OBDX_OAUTH_CONFIG

Description OAuth Configuration for fetching user details from IDCS

Application Icon 

Upload

4. Select Configure this application as a client now option in screen as shown in below screenshot.
 - a. Name
 - b. Description

Figure 2-20 Add Confidential Application

Add Confidential Application

< Back ✓ 2 3 4 5 Next >

Details Client Resources Web Tier Policy Authorization

☒ Configure this application as a client now ☐ Skip for later

Authorization

Allowed Grant Types ☐ Resource Owner ☐ Client Credentials ☐ JWT Assertion ☐ SAML2 Assertion ☐ Refresh Token ☐ Authorization Code ☐ Implicit

☐ Device Code

☐ TLS Client Authentication

Allow non-HTTPS URLs ☐

Redirect URL

Logout URL

Post Logout Redirect URL

Security ☐ Trusted Client Certificate

5. Fill below mentioned fields as per section.
 - a. Authorization
 - i. Allowed Grant Types:- Select checkbox as “Client Credentials” and “JWT Assertion”

Figure 2-21 Add Confidential Application

< Back Details **Client** Resources Web Tier Policy Authorization Next >

☒ Configure this application as a client now ☐ Skip for later

Authorization

Allowed Grant Types:
 ☐ Resource Owner ☒ Client Credentials ☒ JWT Assertion ☐ SAML2 Assertion ☐ Refresh Token ☐ Authorization Code ☐ Implicit

☐ Device Code
☐ TLS Client Authentication

☐ Allow non-HTTPS URLs

Redirect URL:
 Logout URL:
 Post Logout Redirect URL:

Security: ☐ Trusted Client Certificate **Import**

Allowed Operations: ☐ Introspect ☐ On behalf Of

ID Token Encryption Algorithm:

b. Token Issuance Policy

- i. Authorized Resources :Select value as “Specific”
- ii. Grant the client access to Identity Cloud Service Admin APIs: Click on **Add** button

Figure 2-22 Add Confidential Application

Token Issuance Policy

Authorized Resources:
 ☐ All
☐ Tagged
☒ Specific

Resources

+ Add Scope

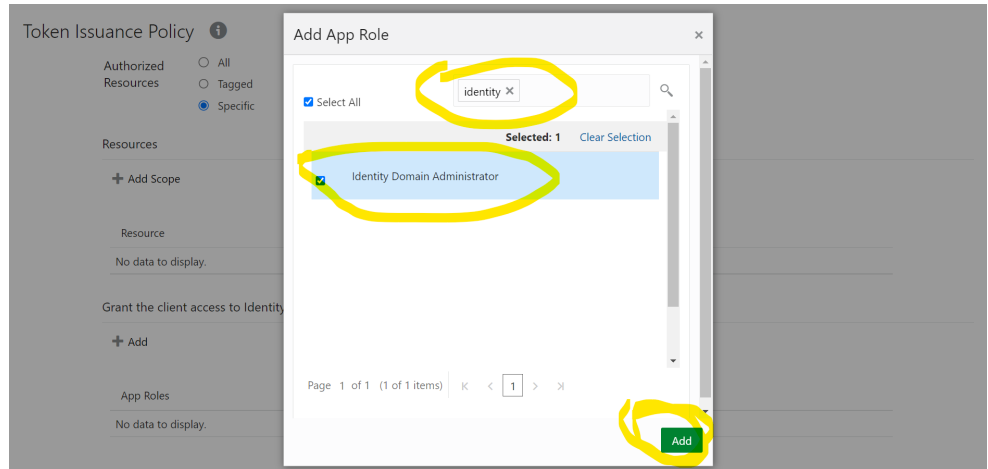
| Resource | Protected | Scope |
|---------------------|-----------|-------|
| No data to display. | | |

Grant the client access to Identity Cloud Service Admin APIs

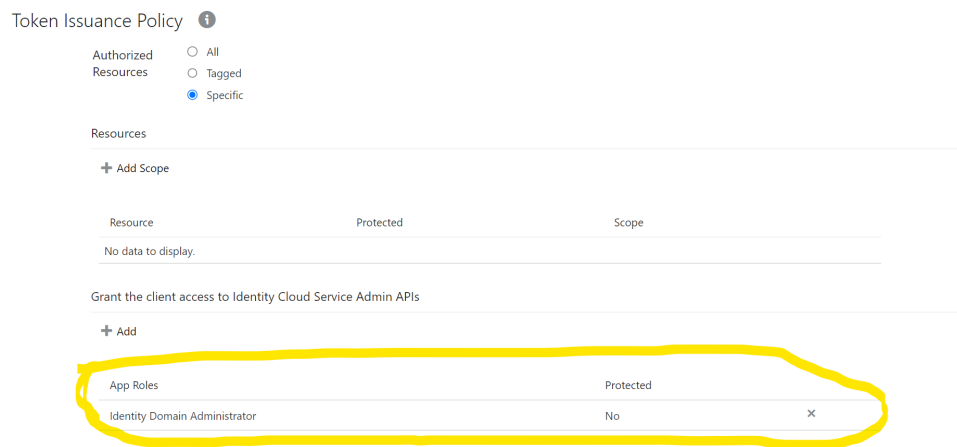
+ Add

| App Roles | Protected |
|---------------------|-----------|
| No data to display. | |

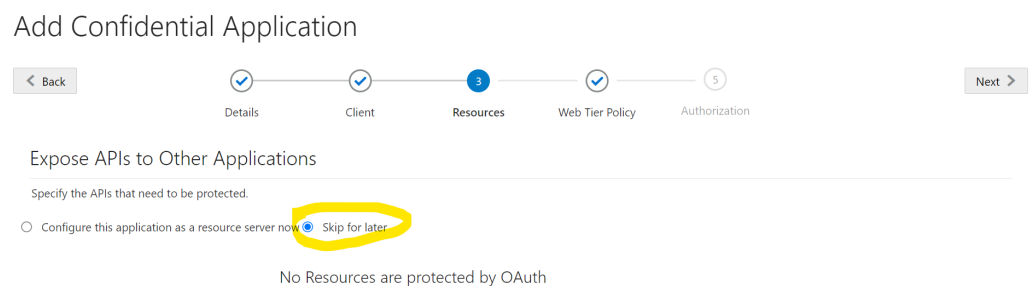
- iii. In popup window search for “**Identity Domain Administrator**” and click on **Add**.

Figure 2-23 Add App Role

- iv. Verify a row added in table for **App Roles** as shown like below screenshot.

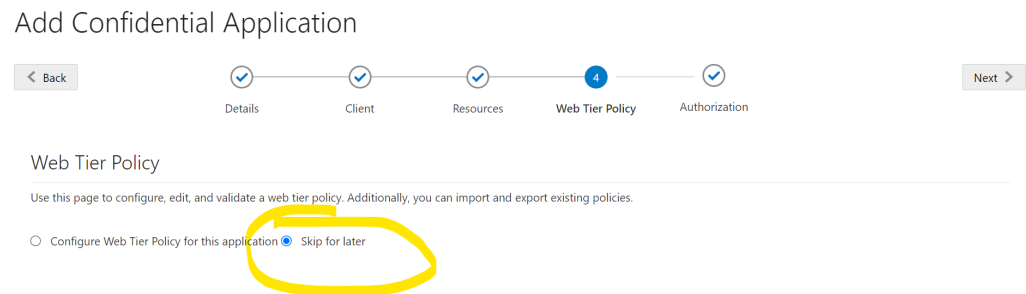
Figure 2-24 Add Confidential Application

- v. Click on **Next** button on top.
- c. Expose APIs to Other Applications: Select **"Skip for later"** and click on **Next**.

Figure 2-25 Add Confidential Application

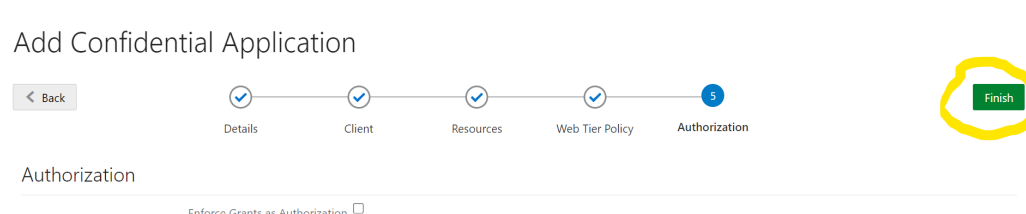
- d. Web Tier Policy: Select **“Skip for later”** and click on **Next** button.

Figure 2-26 Add Confidential Application



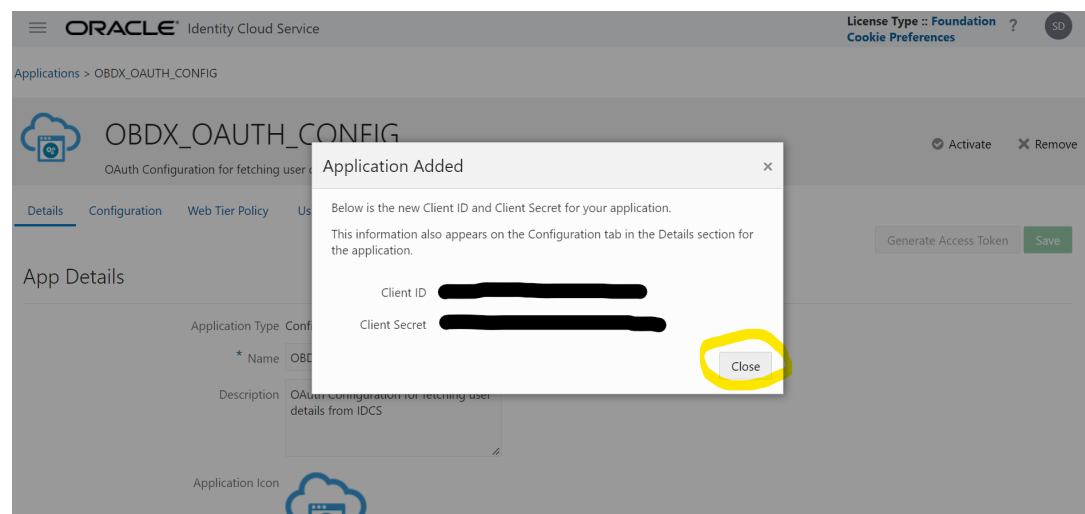
- e. Click on **“Finish”**.

Figure 2-27 Add Confidential Application

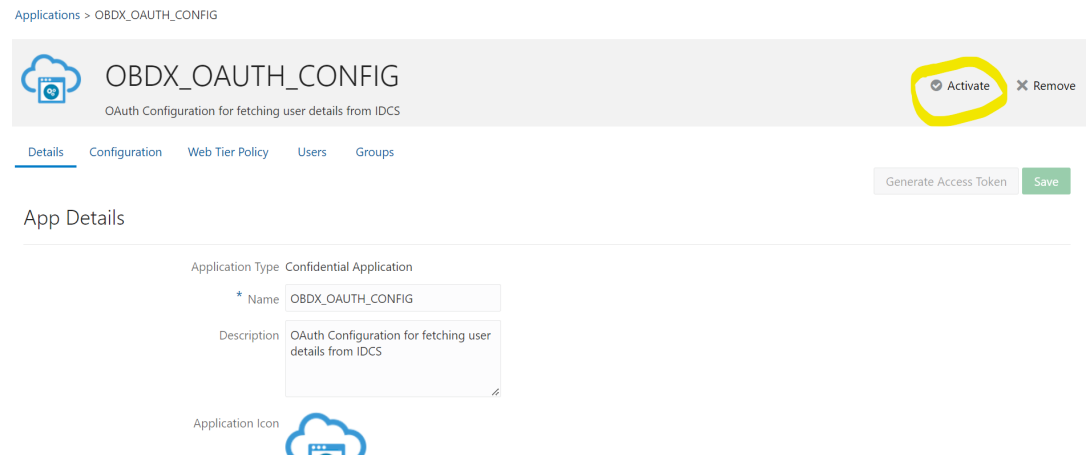


6. After finish click a popup window will open with “Client ID” and “Client Secret” as shown in below screenshot. Copy the Client Id and Client Secret to text file to keep it handy as it will be required in further steps. Once copied click on “Close”.

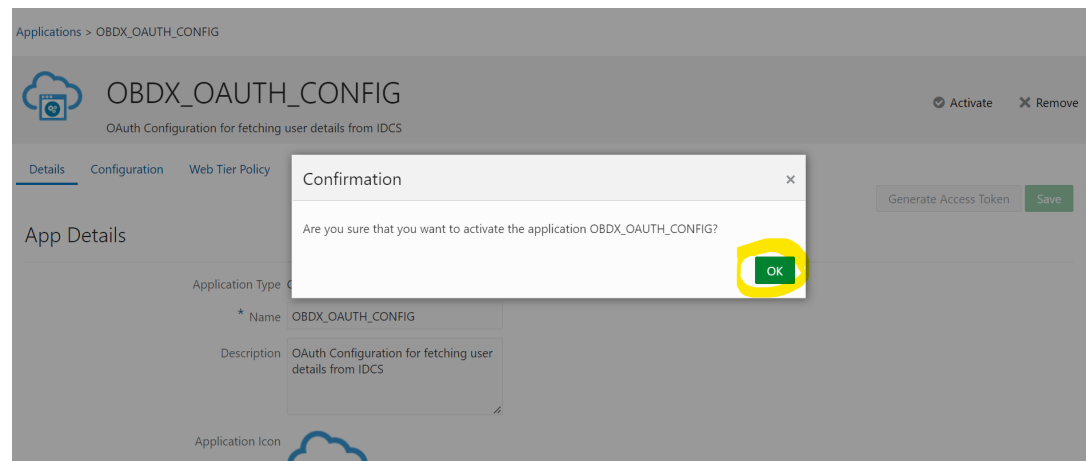
Figure 2-28 Add Confidential Application



7. Click on **“Activate”** button to activate the application.

Figure 2-29 Edit Application

8. Popup window asking confirmation to activate the application will open, click on “OK” to activate the application.

Figure 2-30 Edit Application

9. Logout from IDCS console.

2.7 WebLogic configuration for OAuth

To enable OAuth support on WebLogic server follow below mentioned steps.

1. Login to WebLogic console with admin login and navigate to “Domain Structure” → “Deployments”.
2. Click on “com.ofss.digx.connector”

Figure 2-31 Deployments

delete items in this domain.

Lock & Edit
Release Configuration

Domain Structure

- test221_domain
 - Environment
 - Deployments**
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

How do I...

- Install an enterprise application
- Configure an enterprise application
- Update (redeploy) an enterprise application
- Monitor the modules of an enterprise application
- Deploy EJB modules
- Install a Web application

System Status

Health of Running Servers as of 6:22 AM

Failed (0)

Configuration Control Monitoring

This page displays the list of Java EE applications and standalone application modules installed to this domain.

You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.

To install a new application or module for deployment to targets in this domain, click **Install**.

Customize this table

Deployments

Install Update Delete Showing 1 to 24 of 24 Previous Next

| Name | State | Health | Type | Targets | Deployment Order |
|--|--------|--------|------------------|--------------|------------------|
| <input type="checkbox"/> com.ofss.digx.connector | Active | OK | Resource Adapter | obdx_server1 | 0 |
| <input type="checkbox"/> digx-admin | Active | OK | Web Application | obdx_cluster | 100 |
| <input type="checkbox"/> digx-auth | Active | OK | Web Application | obdx_cluster | 100 |
| <input type="checkbox"/> digx-cms | Active | OK | Web Application | obdx_server1 | 100 |
| <input type="checkbox"/> digx-coherence | Active | OK | Web Application | obdx_cluster | 0 |
| <input type="checkbox"/> digx-common | Active | OK | Web Application | obdx_server1 | 100 |
| <input type="checkbox"/> digx-corporateloan | Active | OK | Web Application | obdx_server1 | 100 |
| <input type="checkbox"/> digx-creditfacility | Active | OK | Web Application | obdx_server1 | 100 |
| <input type="checkbox"/> digx-edx | Active | OK | Web Application | obdx_server1 | 100 |
| <input type="checkbox"/> digx-eurekaconnector | Active | OK | Web Application | obdx_server1 | 100 |

- Navigate to “Configuration” → “Outbound Connection Pools” tab and click on **New**.

Figure 2-32 Outbound Connection Pools Configuration

Change Center

View changes and restarts

No pending changes exist. Click the Release Configuration button to allow others to edit the domain.

Lock & Edit
Release Configuration

Domain Structure

- trunk_dom_rep_domain
 - Environment
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

How do I...

- Configure outbound connection pool properties

System Status

Health of Running Servers as of 6:26 AM

Failed (0)

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: trunk_dom_rep_domain

Home > Summary of Deployments > com.ofss.digx.connector

Settings for com.ofss.digx.connector

Overview Deployment Plan **Configuration** Security Targets Control Testing Monitoring Notes

General Properties **Outbound Connection Pools** Admin Objects Workload Instrumentation

This page displays a table of outbound connection pool groups and instances for this resource adapter. The top level entries in the table represent outbound connection pool groups. Groups are listed by connection factory interface and the instances are listed by their JNDI names. Expand a group to obtain configuration information for a connection pool instance within an outbound connection pool group. Click the name of a group or instance to configure it. Automatically generated connection pools are not displayed in the table below.

Outbound Connection Pool Configuration Table

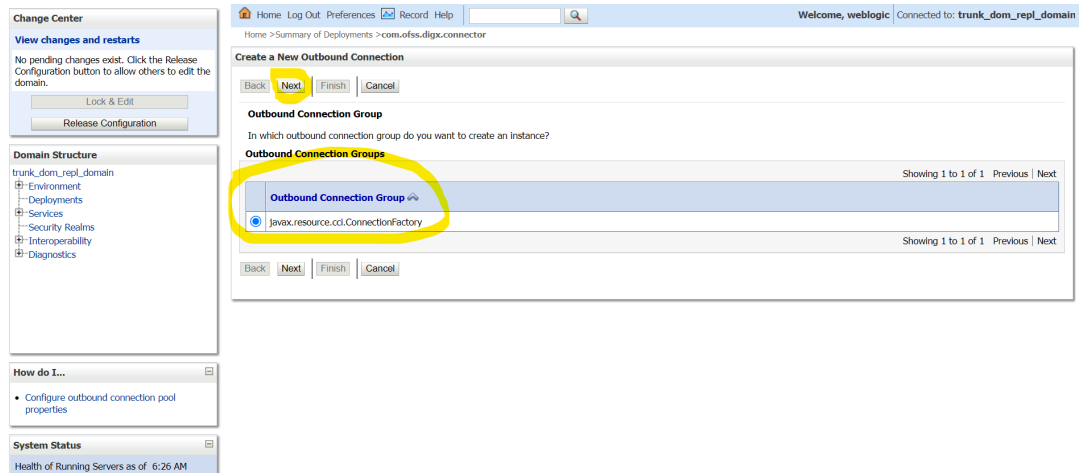
New Delete Showing 1 to 1 of 1 Previous Next

| Groups and Instances | Connection Factory Interface |
|---|--------------------------------------|
| <input type="checkbox"/> javax.resource.cci.ConnectionFactory | javax.resource.cci.ConnectionFactory |

New Delete Showing 1 to 1 of 1 Previous Next

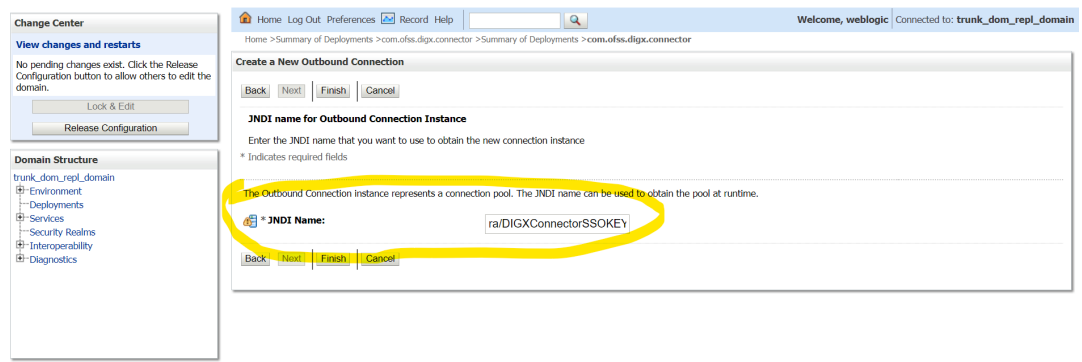
- Select “javax.resource.cci.ConnectionFactory” and click on **Next**.

Figure 2-33 Outbound Connection Group Configuration



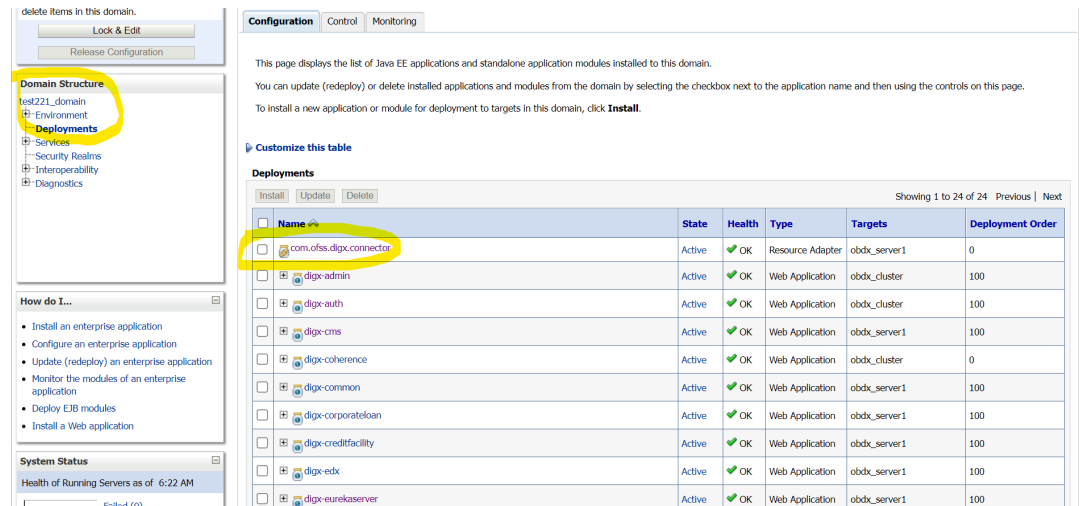
5. Enter JNDI name as ra/DIGXConnectorSSOKEY and click on **Finish**.

Figure 2-34 JNDI Configuration for Outbound Connection



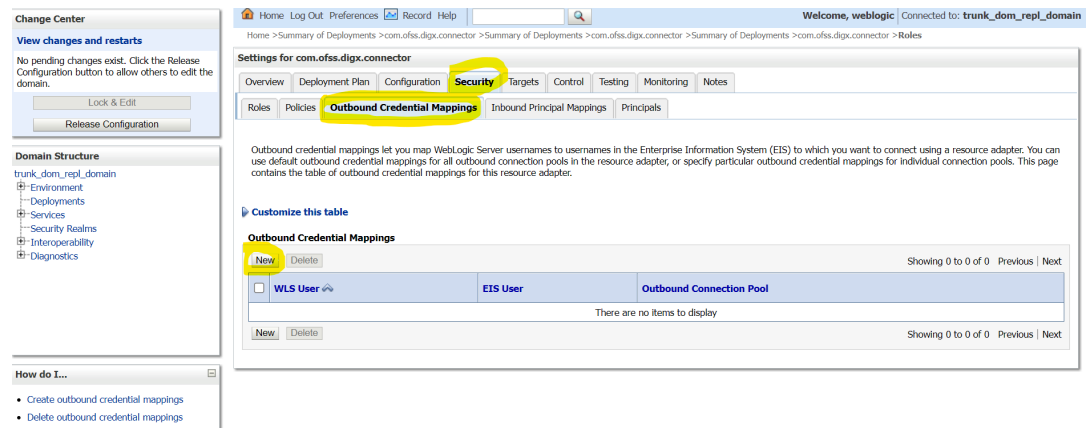
6. Again navigate to “Domain Structure” → “Deployments”.
7. Click on “com.ofss.digx.connector”.

Figure 2-35 Deployments



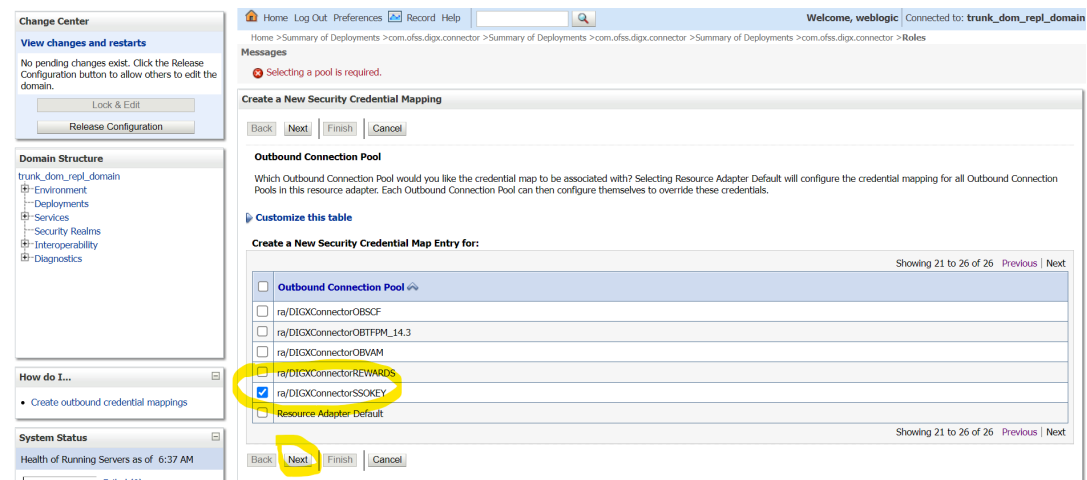
- Navigate to “Security” → “Outbound Credentials Mapping” tab and click on **New**.

Figure 2-36 Outbound Credentials Mappings



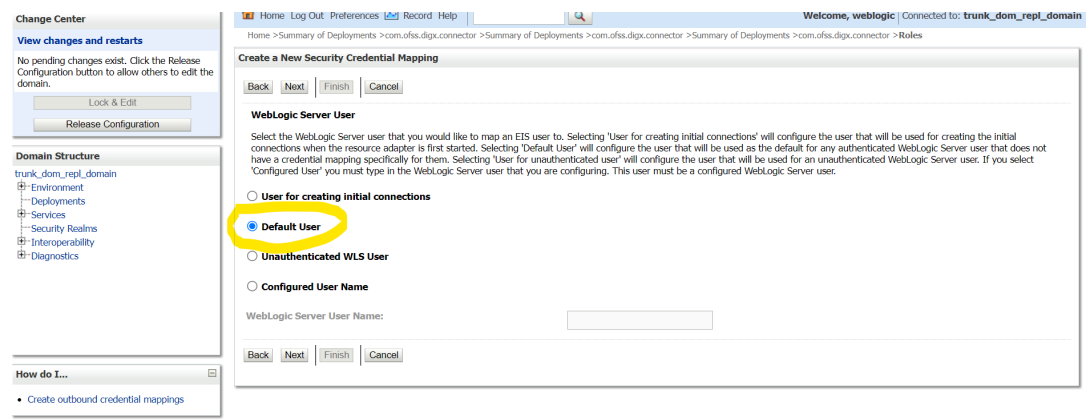
- Select “ra/DIGXConnectorSSOKEY” by navigating using next button. Once selected as shown in below screenshot, click on **Next**.

Figure 2-37 Create New Security Credentials Mappings



- Select “Default User” and click on **Next**.

Figure 2-38 Create New Security Credentials Mappings



11. Provide the below mentioned field values as given below.
 - a. EIS User Name: - Client ID save in txt file generated from IDCS in section 3.5, step 6.
 - b. EIS Password: - Client Secret save in txt file generated from IDCS in section 3.5, step 6.
 - c. EIS User Name: - Client Secret save in txt file generated from IDCS section 3.5, step 6.

Figure 2-39 Configure EIS UIS Username / Password

12. Click on **Finish** to save the configuration.

2.8 OBAPI configuration for OAuth

To enable IDCS out of the box support for OAuth follow below mentioned steps.

```
update DIGX_FW_CONFIG_ALL_B set prop_value = <SSO_PROVIDER_URL> where prop_id = 'SSO_PROVIDER_URL';
```

1. Replace <SSO_PROVIDER_URL> with respective SSO provider URL.
2. Restart all the managed servers.

For configuring any other service provider, a custom class needs to be written which implements com.ofss.digx.app.sms.service.user.external.IExternalUser interface.

The entry for the new custom class has to be made in database using the below script -

```
update DIGX_FW_CONFIG_ALL_B set prop_value = <SSO_PROVIDER_CLASS> where prop_id = 'SSO_PROVIDER_CLASS';
```

3. Replace <SSO_PROVIDER_CLASS> with the fully qualified name of the new custom class.
4. Also below queries need to be executed as well if there are any changes in the configuration-

```
update DIGX_FW_CONFIG_ALL_B set prop_value = <SSO_PROVIDER_TOKEN_SCOPE> where prop_id = 'SSO_PROVIDER_TOKEN_SCOPE';
update DIGX_FW_CONFIG_ALL_B set prop_value = <SSO_PROVIDER_TOKEN_URI> where prop_id = 'SSO_PROVIDER_TOKEN_URI';
update DIGX_FW_CONFIG_ALL_B set prop_value = <SSO_PROVIDER_URL> where prop_id = 'SSO_PROVIDER_URL';
```

```
DIGX_FW_CONFIG_ALL_B set prop_value = <SSO_PROVIDER_USER_READ_URI> where  
prop_id = 'SSO_PROVIDER_USER_READ_URI';
```

5. Restart all the servers in domain.

2.9 Default Admin Configuration

OBAPI installer comes pre-shipped admin user with name “superadmin”, so in order to login into the OBAPI application for completing Day 1 maintenances the same user need to be created in SSO Provider with same name post SSO integration.

2.10 Logout Configurations

Below query needs to be executed as part of the logout configurations.

```
Insert into DIGX_FW_CONFIG_ALL_B (PROP_ID,CATEGORY_ID,PROP_VALUE,  
FACTORY_SHIPPED_FLAG,PROP_COMMENTS,SUMMARY_TEXT,CREATED_BY,CREATION_DATE,  
LAST_UPDATED_BY,LAST_UPDATED_DATE,OBJECT_STATUS,OBJECT_VERSION_NUMBER,  
EDITABLE,CATEGORY_DESCRIPTION)
```

```
values  
( 'SSO_LOGOUT_URL', 'dayoneconfig', '<LOGOUT_URL>', 'Y', null, 'SSO logout Url',  
'ofssuser', sysdate, 'ofssuser', sysdate, 'A', 1, 'N', null);
```

Replace <LOGOUT_URL> with respective url.

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