

Oracle Identity Manager Integration Implementation Guide
Oracle FLEXCUBE Investor Servicing
Release 12.1.0.0.0
[October] [2015]



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1. Introduction

For the purpose of centralized user provisioning FLEXCUBE is qualified with Oracle Identity Manager - Oracle® Fusion Middleware 11g Release 2 (11.1.2.2.0). This feature is available in FLEXCUBE since the release FCIS V.UM 10.1.0.0.0.0.0.

Scope

This document provides an understanding as to how centralized provisioning through OIM can be enabled for FCIS.

In addition to providing a background to the various components of the deployment, this document provides detailed steps as to how to install the various FCIS components required for the integration with OIM configuration in FCIS and Oracle Identity Manager to enable centralized provisioning.

Introduction to Oracle Identity Manager

Oracle Identity Manager is an identity management product that automates user provisioning, identity administration, and password management, integrated in a comprehensive workflow engine. It enables organizations to reduce Information Technology (IT) administration costs and improve security. Oracle identity manager achieves this by providing a centralized control mechanism to manage the entire life cycle of user identities and entitlements and to control user access to across all resources in the organization.

Advantage

Integrating FCIS with Oracle identity Manager provides capability for managing the entire life cycle of FCIS user identities through a centralized point provided by OIM in both scenario- FCIS without single sign on and FCIS with single sign on.

2. Requirements / Problem Statement

The requirement is to integrate FCIS with Oracle Identity Manager for FCIS user provisioning and de-provisioning services with and without FCIS single sign on.

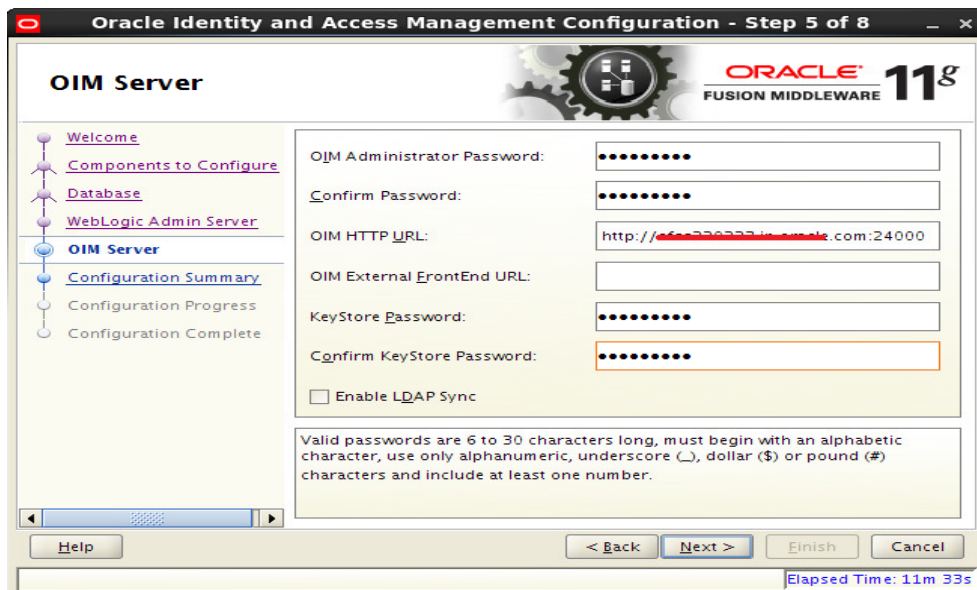
3. Prerequisites

3.1 Software Required

Oracle® Fusion Middleware 11g Release 2 (11.1.2.2.0)

Refer [Oracle Identity Manager Document](#) for Installation and configuration of Oracle Identity Manager.

While Configuring Oracle Identity Management, uncheck Enable LDAP Sync option like shown below:



Note *: To get the Keystore Password in the above screen while configuring OIM Console, you should have only Weblogic Admin Server, OIM Server and SOA Server in this OIM Domain. Based on that the below keystore will be created with store password

<Domain_home>/config/fmwconfig/default-keystore.

- Oracle Internet Directory Connector 11.1.1.6.0
- Refer the below sections:
 - Installation of Oracle Internet Directory Connector (Section 2.2.1.1, 2.2.1.2 & 2.3.1.1)
 - Connector by default will be available with Oracle Identity and Access Management Suite.

The path will be as follows :

<Oracle_Middleware>/<OIM_HOME>/connector/oid

For example:

Linux: /app/oracle/Middleware/Oracle_IDM1/connector/oid

Windows: C:\apps\oracle\Middleware\Oracle_IDM1\connector\oid

The above directory <oid> has to be copied into

<Oracle_Middleware>/<OIM_HOME>/server/ConnectorDefaultDirectory

➤ Configuring Oracle Identity Manager Design Console

3.2 **FLEXCUBE Component Required**

FLEXCUBE Gateway EJB

4. System Description

4.1 About Oracle Identity Manager

Oracle Identity Manager is an identity management product that automates user provisioning, identity administration, and password management, integrated in a comprehensive workflow engine. Key features of Oracle Identity Manager include password management, workflow and policy management, identity reconciliation, reporting and auditing, and extensibility through adapters.

4.1.1 Oracle Identity Manager System Components

Oracle Identity Manager is built on an enterprise-class, modular architecture that is both open and scalable. Each module plays a critical role in the overall functionality of the system:

Identity Administration

Identity administration includes creation and management of identities in Oracle Identity Manager. Identities include users, organizations, and roles. Identity administration also enables password management and user Oracle Identity Manager Self Service operations. Identity administration is performed by using Oracle Identity Manager Administration and Oracle Identity Manager Self Service Web clients, and the SPML Web service.

Provisioning

The provisioning transactions are assembled and modified in the provisioning module. This module maintains the "who" and "what" of provisioning. User profiles, access policies, and resources are defined in the provisioning module, as are business process workflows and business rules.

The Provisioning Server is the run-time engine for Oracle Identity Manager. It runs the provisioning process transactions as defined through Oracle Identity Manager Administration and Oracle Identity Manager Design Console and maintained within the provisioning module.

Audit and Reports

The audit and compliance functions include evaluating a person, organization, system, process, project, or product. This occurs by capturing data generated by the suite's workflow, policy, and reconciliation engines. By combining this data with identity data, an enterprise has all the information it requires to address any identity and to access a related audit inquiry. Audits are performed to ascertain the validity and reliability of information, and also provide an assessment of a system's internal control.

Reporting is the process of generating a formal document, which is created as a result of an audit. The report is subsequently provided to a user, such as an individual, a group of persons, a company, a government, or even the general public, as an assurance service so that the user can make decisions, based on the results of the audit. An enterprise can create reports on both the history and the current state of its provisioning environment. Some captured identity data includes user identity profile history, role membership history, user resource access, and fine-grained entitlement history.

Reconciliation and Bulk Load

The reconciliation engine ensures consistency between the provisioning environment of Oracle Identity Manager and Oracle Identity Manager managed resources within the organization. The reconciliation engine discovers illegal accounts created outside Oracle Identity Manager. The reconciliation engine also synchronizes business roles located inside and outside the provisioning system to ensure consistency.

If you want to load a large amount of data from other repositories in your organization into Oracle Identity Manager, then you can use the Bulk Load utility. The Bulk Load utility reduces the downtime in loading the data. In addition, Bulk Load utility import Oracle Identity Manager users, roles, role memberships, and accounts provisioned to users.

Common Services

Various services are grouped together that are shared and used by other Oracle Identity Manager components. These services are:

Form Designer: A form that allows you to create process and resource object forms that do not come packaged with Oracle Identity Manager.

Scheduler: A service that provides the capability to run specific jobs at specific schedules. This service can be used by users, application developers, connector developer, and administrators to create and configure a Job to be run at specified intervals. In addition, this service provides administrative capabilities to manage the functionality of jobs and their schedules.

Notification Templates: A common notification service is used by other functional components to send notifications to interested parties about events occurring in Oracle Identity Manager. In addition, this service provides the administrative capabilities for notification template management. A notification template is used for sending the outgoing notifications. These templates typically contain the variables that refer to the available data to provide more contextual content.

System Properties: A system property is an entity that controls the configuration aspect of an application. In addition, to the default system properties, you can create and manage system properties in Oracle Identity Manager.

Deployment Manager: The Deployment Manager is a tool for exporting and importing Oracle Identity Manager configurations. The Deployment Manager enables you to export the objects that make up your Oracle Identity Manager configuration.

Workflow and Request Management

Various operations in Oracle Identity Manager cannot be performed directly. Instead, the operations must be requested. The request management service provides a mechanism to create, approve, and manage requests. A request is an entity created by the users or administrators who want to perform a specific action, which requires a discretionary permission to be obtained from someone or some process before the action can be performed. For example, a user can create a request to gain access to a laptop computer, a manager can approve the request and create an open requisition, and an IT resource administrator can approve the request.

The primary goal of a provisioning solution is to manage requests and provision resources. Request service provides an abstraction layer on the Business Process Execution Language (BPEL) 1.1g workflow engine. Functional components such as request, provisioning, and attestation interacts with the workflow engine for human approvals. Request service caters to the various functional components in Oracle Identity Manager by managing workflow instances and categories, and provides an abstraction layer on BPEL.

Infrastructure and Middleware Integration

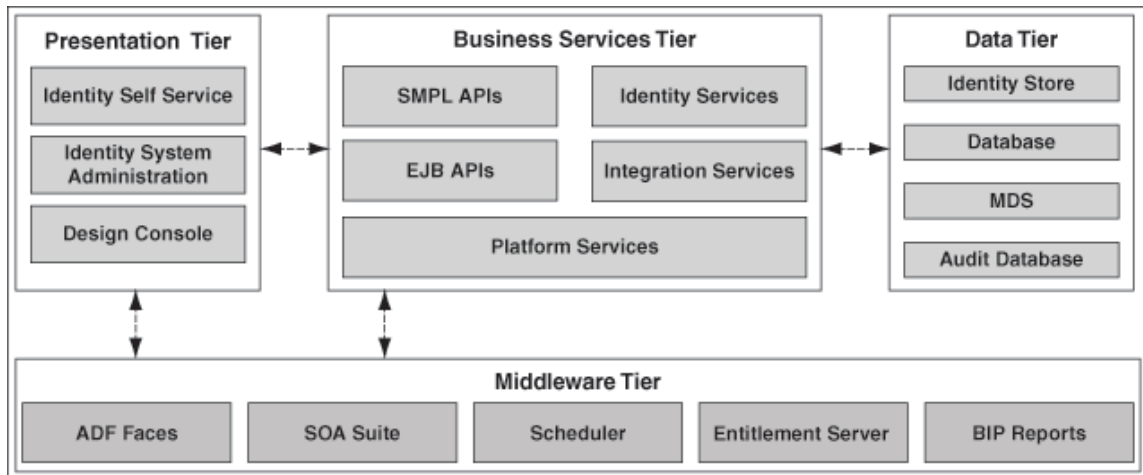
The Adapter Factory, Kernel Orchestration mechanism, Context Manager, and Plug-in Framework are designed to eliminate the need for hard-coding integrations with these systems.

Connector Framework

The integration solution strategy of Oracle Identity Manager provides connectors to various heterogeneous identity-aware IT systems. This strategy is designed to minimize custom development, maximize the reuse of code, and reduce deployment time. The tiers of the integration solution are:

- Out-of-the box integration using predefined connectors and predefined generic technology connector providers
- Identity connectors that are designed to separate the implementation of an application from the dependencies of the system that the application is attempting to connect to
- Connectors based on custom generic technology connector providers
- Custom connectors using the Adapter Factory

Following figure illustrates the system components of Oracle Identity Manager.



4.2 Integration / Design Architecture

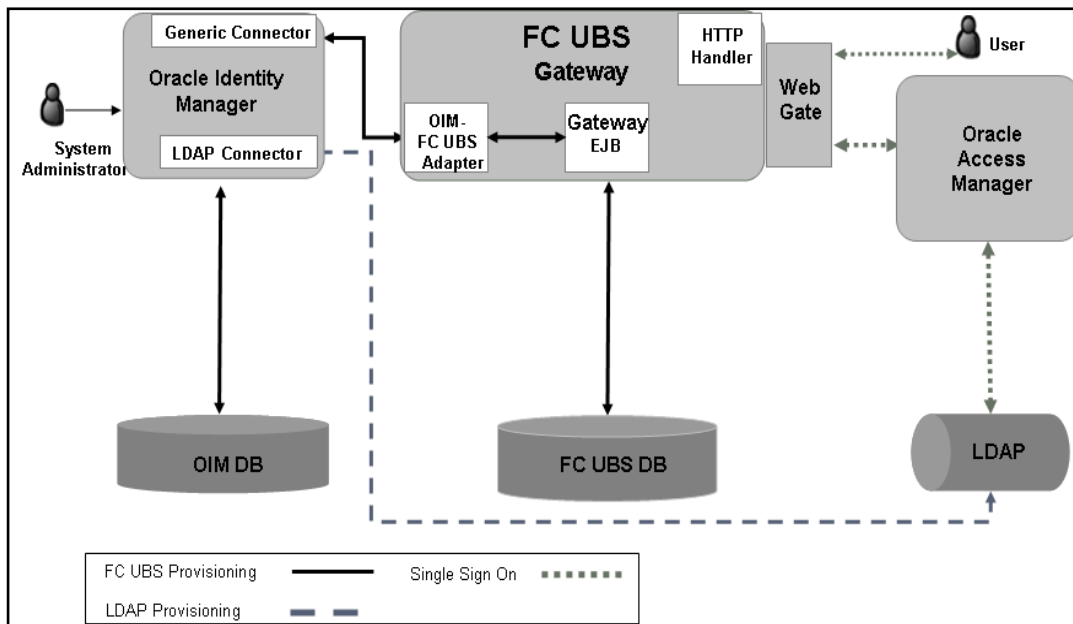
With the integration of FCIS and Oracle Identity Manager, a user can be created, modified, closed, and reopened in FCIS. Oracle Identity Manager acts as the front-end entry point for managing mandatory fields of FCIS user. After users are provisioned, the users can access the FCIS without any interaction with Oracle Identity Manager. This integration also ensures that any change that has been made for corresponding user in FCIS should be reflected in OIM using reconciliation feature of OIM.

Design

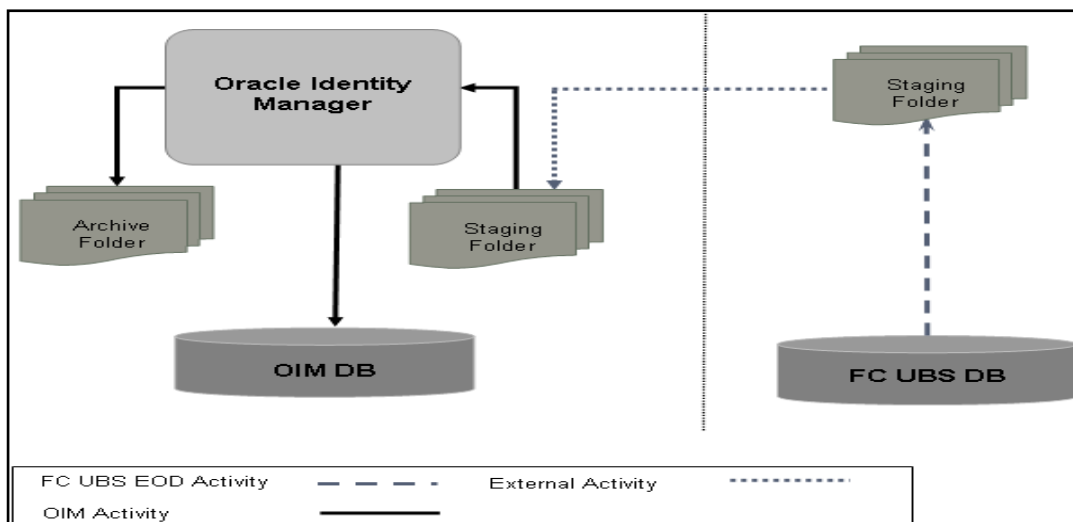
For the purpose of integration of Oracle Identity manager and FCIS “Generic technology connector” (GTC) has been used. GTC provides out of box providers for provisioning and reconciliation.

Following two figures illustrate the design aspect of the provisioning and reconciliation process:

4.2.1 Provisioning Design Architecture



4.2.2 Reconciliation Design Architecture



4.2.3 Design Constraints

The followings are the design constraints for this integration:

- This integration is based upon sample configuration containing only mandatory fields of FCIS user while defining the GTC. Other fields can be defined in the GTC using the same configurations.
- Due to specific data requirement for FCIS user creation, only manual provisioning method can be used for FCIS provisioning.
- User role is not taken up in this integration and the FCIS user will not be associated with any role at the time of user creation.
- A common FCIS maker id will be used for user creation that is maintained as property in a property file.

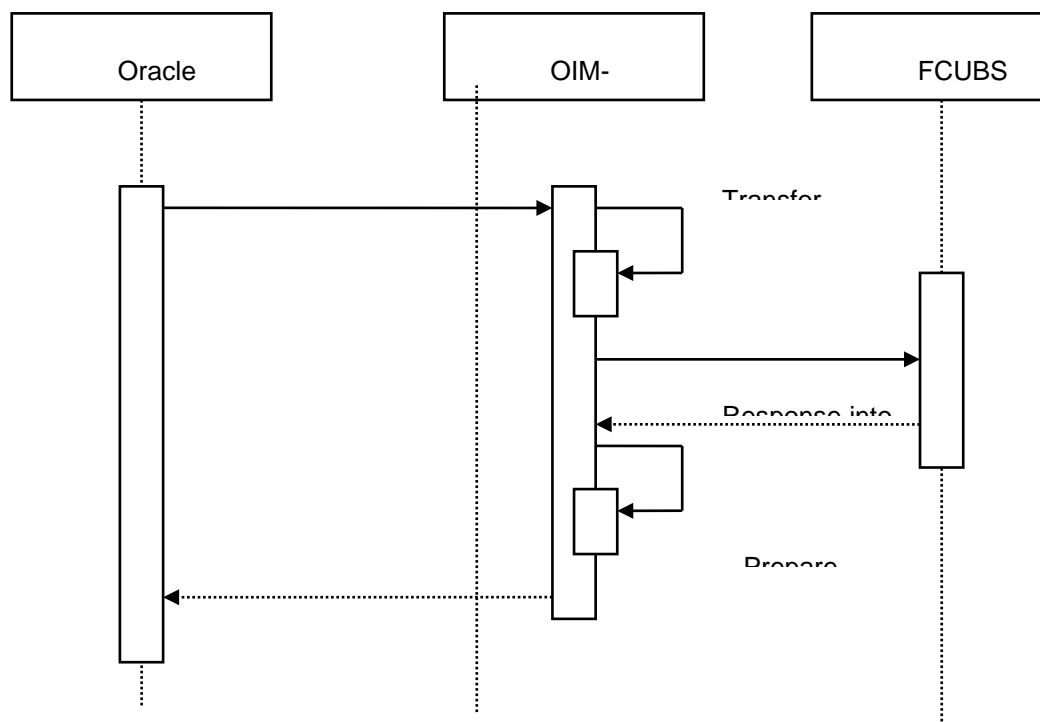
- OIM does not allow ASCII special characters e.g. ampersand, colon, braces etc. Apart from this, OIM also does not allow multiple consecutive occurrences of some of special ASCII character like underscore etc.

4.2.4 **Message Flow**

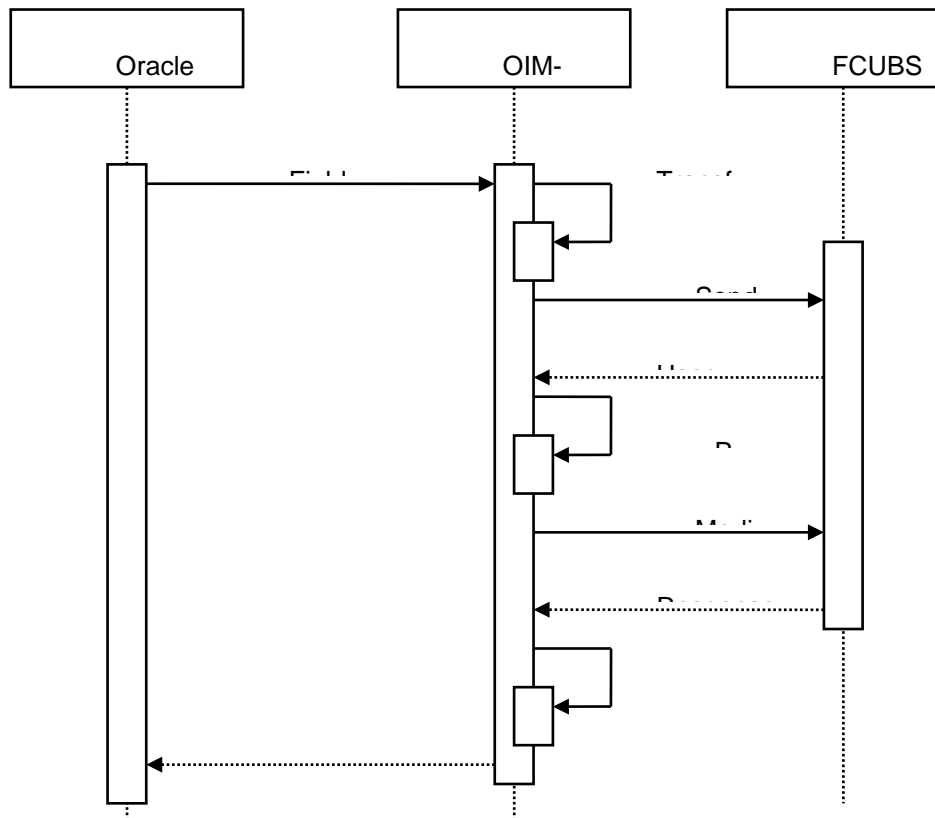
OIM-FCIS adapter would transform the request from the OIM SPML/DSML to FCIS Gateway request using Extensible Style sheet Language Transformation (XSLT). Transformed XML request will be sent to the FCIS Gateway EJB for further processing based on the type of the request. Based on the FCIS Gateway EJB response OIM-FCIS adapter will prepare the response in SPML/DSML format and will send to the OIM.

Following gives the sequence of the message exchanges between the adapter and FCIS Gateway EJB for user provisioning that are initiated from OIM.

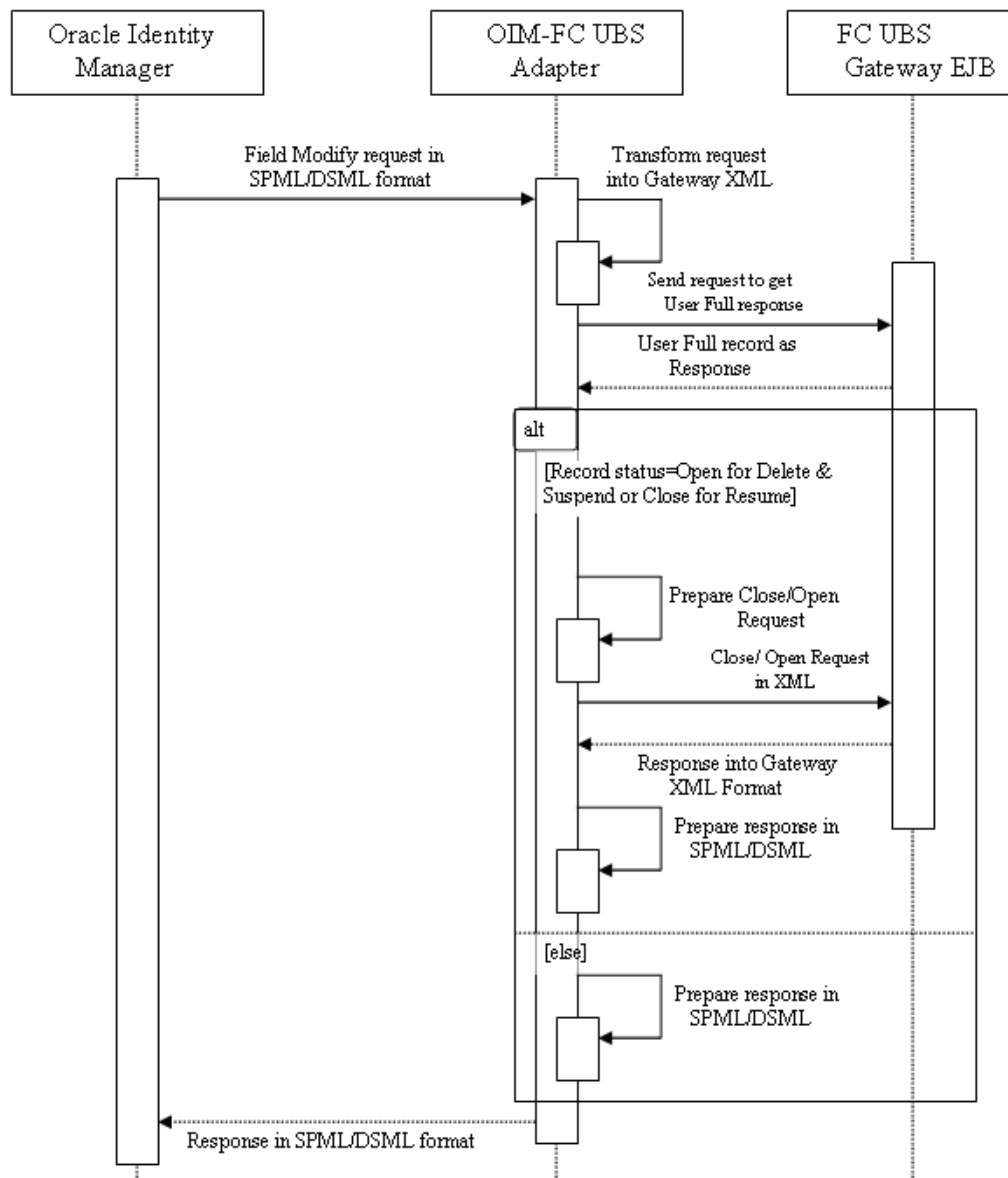
4.2.4.1 **Message exchange sequence for User Creation**



4.2.4.2 Message exchange sequence for User Field Modification/Set Password



4.2.4.3 Message exchange sequence for User Delete/Suspend/Resume Request



5. Installation / Configuration

5.1 Environment Setup/Configurations

FLEXCUBE - OIM Integration environment setup requires

- OIM FLEXCUBE Adapter setup & configuration
- OIM setup

Note: This implementation document describes the installation and setup of OIM FLEXCUBE Adapter on Oracle Fusion Middleware 11g Release 2 (11.1.2.2.0).

5.1.1 Enabling SSL for Weblogic and OIM Server

5.1.1.1 Self-Signed Certificate Creation

To enable SSL mode, Weblogic requires a keystore which contains private and trusted certificates. We have to use the same version of JDK (which is used by Weblogic Domain), to create the keystore and certificates, otherwise it may lead to many difficulties (suggested by Oracle Support).

Keytool utility available in Java JDK will be used to create Keystore. In command prompt set PATH to the JDK\bin location. Follow the below steps to create keystore and self-signed certificates:Keystore Creation

```
keytool -genkey -keystore <keystore_name.jks> -alias <alias_name> -dname "CN=<hostname>,
OU=<Organization Unit>, O=<Organization>, L=<Location>, ST=<State>, C=<Country_Code>" -keyalg
<Key Algorithm> -sigalg <Signature Algorithm> -keysize <key size> -validity <Number of Days> -
keypass <Private key Password> -storepass <Store Password>
```

For example:

```
keytool -genkey -keystore AdminFlexcubeKeyStore.jks -alias FlexcubeCert -dname
"CN=ofss00001.in.oracle.com, OU=OFSS, O=OFSS, L=Chennai, ST=TN, C=IN" -keyalg "RSA" -sigalg
"SHA1withRSA" -keysize 2048 -validity 3650 -keypass Password@123 -storepass Password@123
```

Note: CN=ofss00001.in.oracle.com is the Host Name of the weblogic server

5.1.1.2 Export Private key as Certificate

```
keytool -export -v -alias <alias_name> -file <export_certificate_file_name_with_location.cer> -keystore
<keystore_name.jks> > -keypass <Private key Password> -storepass <Store Password>
```

For example:

```
keytool -export -v -alias FlexcubeCert -file AdminFlexcubeCert.cer -keystore AdminFlexcubeKeyStore.jks
-keypass Password@123 -storepass Password@123
```

5.1.1.3 Import as Trusted Certificate

```
keytool -import -v -trustcacerts -alias rootcacert -file <export_certificate_file_name_with_location.cer> -
keystore <keystore_name.jks> > -keypass <Private key Password> -storepass <Store Password>
```

For example:

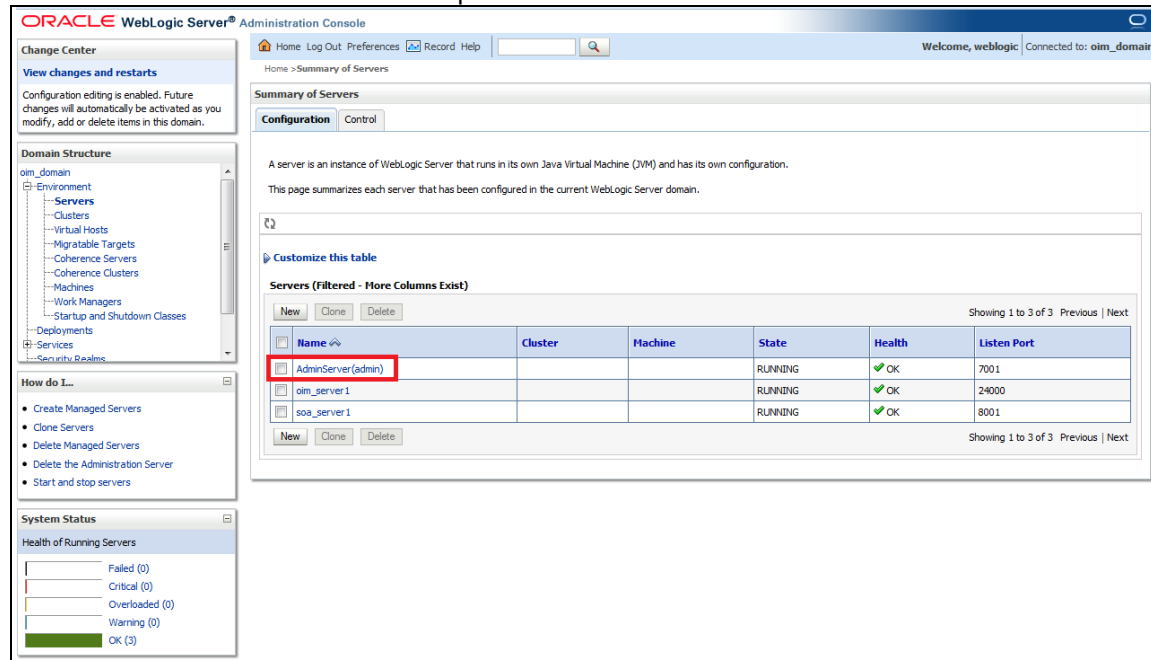
```
keytool -import -v -trustcacerts -alias rootcacert -file AdminFlexcubeCert.cer -keystore
AdminFlexcubeKeyStore.jks -keypass Password@123 -storepass Password@123
```

References: Oracle Support Articles (Article ID 1281035.1, Article ID 1218695.1), in case of Certificates issued by the Trusted Authorities

5.1.1.4 **Configuring Weblogic Console**

After domain creation, follow the below steps to enable SSL in Weblogic Admin server, OIM Server and SOA Server.

Select Admin Server to enable SSL options.



The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains a 'Domain Structure' tree with 'oim_domain' selected, showing a hierarchy of Environment, Servers, Clusters, Virtual Hosts, Migratable Targets, Coherence Servers, Coherence Clusters, Machines, Work Managers, Startup and Shutdown Classes, Deployments, Services, and Security Realms. Below this is a 'How to...' section with links like 'Create Managed Servers', 'Clone Servers', 'Delete Managed Servers', 'Delete the Administration Server', and 'Start and stop servers'. At the bottom is a 'System Status' section showing 'Health of Running Servers' with a bar chart indicating 0 Failed, 0 Critical, 0 Overloaded, 0 Warning, and 3 OK servers.

The main content area is titled 'Summary of Servers' and has tabs for 'Configuration' and 'Control'. It contains a description of a server as an instance of WebLogic Server running in its own Java Virtual Machine (JVM). Below this is a table of servers. The table has columns: Name, Cluster, Machine, State, Health, and Listen Port. The first row, 'AdminServer(admin)', is highlighted with a red box. The other two rows are 'oim_server1' and 'soa_server1'. All servers are in a 'RUNNING' state with 'OK' health.

Name	Cluster	Machine	State	Health	Listen Port
AdminServer(admin)			RUNNING	OK	7001
oim_server1			RUNNING	OK	24000
soa_server1			RUNNING	OK	8001

Follow the steps in General Tab as shown below:

1. Select SSL Listen Port Enabled, Client Cert Proxy Enabled, Weblogic Plug-In Enabled.
2. Click on Save.

Domain Structure

iam_domain

- Environment
 - Servers
 - Clusters
 - Virtual Hosts
 - Migratable Targets
 - Coherence Servers
 - Coherence Clusters
 - Machines
 - Work Managers
 - Startup and Shutdown Classes
 - Deployments
 - Services
 - Security Realms

How do I...?

- Configure default network connections
- Create and configure machines
- Configure clusters
- Start and stop servers
- Configure WLDf diagnostic volume

System Status

Health of Running Servers

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (3)

General Cluster Services Keystores SSL Federation Services Deployment Migration Tuning Overload Health Monitoring Server Start Web Services

Save

Use this page to configure general features of this server such as default network communications.

View JNDI Tree

Name: AdminServer An alphanumeric name for this server instance. [More Info...](#)

Machine: (None) The WebLogic Server host computer (machine) on which this server is meant to run. [More Info...](#)

Cluster: (Standalone) The cluster, or group of WebLogic Server instances, to which this server belongs. [More Info...](#)

Listen Address: The IP address or DNS name this server uses to listen for incoming connections. [More Info...](#)

☒ **Listen Port Enabled** Specifies whether this server can be reached through the default plain-text (non-SSL) listen port. [More Info...](#)

Listen Port: 7001 The default TCP port that this server uses to listen for regular (non-SSL) incoming connections. [More Info...](#)

☒ **SSL Listen Port Enabled** Indicates whether the server can be reached through the default SSL listen port. [More Info...](#)

SSL Listen Port: 7002 The TCP/IP port at which this server listens for SSL connection requests. [More Info...](#)

☒ **Client Cert Proxy Enabled** Specifies whether the HttpClusterServlet proxies the client certificate in a special header. [More Info...](#)

Java Compiler: javac The Java compiler to use for all applications hosted on this server that need to compile Java code. [More Info...](#)

Diagnostic Volume: Low Specifies the volume of diagnostic data that is automatically produced by WebLogic Server at run time. Note that the WLDf diagnostic volume setting does not affect explicitly configured diagnostic modules. For example, this controls the volume of events generated for JRockit Flight Recorder. [More Info...](#)

Advanced

Virtual Machine Name: iam_domain_AdminSe When WLS is running on JIVE, this specifies the name of the virtual machine running this server. [More Info...](#)

☒ **WebLogic Plug-In Enabled** Specifies whether this server uses the proprietary WL-Proxy-Client-IP header, which is recommended if the server instance will receive requests from a proxy plug-in. [More Info...](#)

Follow the steps in Keystores Tab as shown below:

1. Click Change and select Keystores as **Custom Identity and Custom Trust**
2. Click on Save
3. Note: Keystores as **Custom Identity and Custom Trust** is as suggested by Oracle Support Team

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: iam_domain

Home > Summary of Servers > AdminServer

Settings for AdminServer

Configuration Protocols Logging Debug Monitoring Control Deployments Services Security Notes

General Cluster Services **Keystores** SSL Federation Services Deployment Migration Tuning Overload Health Monitoring Server Start Web Services

Save Cancel

Keystores ensure the secure storage and management of private keys and trusted certificate authorities (CAs). This page lets you view and define various keystore configurations. These settings help you to manage the security of message transmissions.

Keystores: Demo Identity and Demo Trust Which configuration rules should be used for finding the server's identity and trust keystores? [More Info...](#)

Save Cancel

Custom Identity and Command Line Trust

Custom Identity and Custom Trust

Custom Identity and Java Standard Trust

Demo Identity and Demo Trust

WebLogic Server Version: 10.3.5.0
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Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

Follow the steps in Keystores Tab as shown below:

4. Enter Custom Identity Keystore and Custom Trust Keystore as same as the Keystore Name created in step [5.1.1.2](#) with full path.
5. Enter Custom Identity Keystore Type and Custom Trust Keystore Type as jks.
6. Enter Custom Identity Keystore Passphrase, Confirm Custom Identity Keystore Passphrase, Custom Trust Keystore Passphrase and Confirm Custom Trust Keystore Passphrase as same as the Store Password entered in step [5.1.1.2](#).
7. Click on Save.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: iam_domain

Home > Summary of Servers > AdminServer

Settings for AdminServer

Configuration Protocols Logging Debug Monitoring Control Deployments Services Security Notes

General Cluster Services **Keystores** SSL Federation Services Deployment Migration Tuning Overload Health Monitoring Server Start Web Services

Save

Keystores ensure the secure storage and management of private keys and trusted certificate authorities (CAs). This page lets you view and define various keystore configurations. These settings help you to manage the security of message transmissions.

Keystores: Custom Identity and Custom Trust [Change](#) Which configuration rules should be used for finding the server's identity and trust keystores? [More Info...](#)

Identity

Custom Identity Keystore: nFlexcubeKeyStore.jks [/scratch/app/fmw115/oam1115/BaseKeyStore/AdminFlexcubeKeyStore.jks](#)

Custom Identity Keystore Type: jks The type of the keystore. Generally, this is JKS. [More Info...](#)

Custom Identity Keystore Passphrase: The encrypted custom identity keystore's passphrase. If empty or null, then the keystore will be opened without a passphrase. [More Info...](#)

Confirm Custom Identity Keystore Passphrase:

Trust

Custom Trust Keystore: nFlexcubeKeyStore.jks [/scratch/app/fmw115/oam1115/BaseKeyStore/AdminFlexcubeKeyStore.jks](#)

Custom Trust Keystore Type: jks The type of the keystore. Generally, this is JKS. [More Info...](#)

Custom Trust Keystore Passphrase: The custom trust keystore's passphrase. If empty or null, then the keystore will be opened without a passphrase. [More Info...](#)

Confirm Custom Trust Keystore Passphrase:

Save

Follow the steps in SSL Tab as shown below:

1. Enter Private Key Alias as same as the alias name entered in step [5.1.1.2](#).
2. Enter Private Key Passphrase and Confirm Private Key Passphrase as same as the Private Key Password entered in step [5.1.1.2](#).
3. Change the Hostname Verification to None.
4. Click on Save.

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
iam_domain
- Environment
- Servers
- Clusters
- Virtual Hosts
- Migratable Targets
- Coherence Servers
- Coherence Clusters
- Machines
- Work Managers
- Startup and Shutdown Classes
- Deployments
- Services
- Security Realms

How do I...
• Configure identity and trust
• Set up SSL
• Verify host name verification is enabled
• Configure a custom host name verifier
• Configure two-way SSL

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (2)

Settings for AdminServer
Configuration Protocols Logging Debug Monitoring Control Deployments Services Security Notes
General Cluster Services Keystores **SSL** Federation Services Deployment Migration Tuning Overload Health Monitoring Server Start Web Services
Save

This page lets you view and define various Secure Sockets Layer (SSL) settings for this server instance. These settings help you to manage the security of message transmissions.

Identity and Trust Locations: Keystores [Change](#)
Indicates where SSL should find the server's identity (certificate and private key) as well as the server's trust (trusted CAs). [More Info...](#)

Identity

Private Key Location: from Custom Identity Keystore
The keystore attribute that defines the location of the private key file. [More Info...](#)

Private Key Alias: FlexcubeCert
The keystore attribute that defines the string alias used to store and retrieve the server's private key. [More Info...](#)

Private Key Passphrase: *****
The keystore attribute that defines the passphrase used to retrieve the server's private key. [More Info...](#)

Confirm Private Key Passphrase: *****

Certificate Location: from Custom Identity Keystore
The keystore attribute that defines the location of the trusted certificate. [More Info...](#)

Trust

Trusted Certificate Authorities: from Custom Trust Keystore
The keystore attribute that defines the location of the certificate authorities. [More Info...](#)

Advanced

Hostname Verification: None
Specifies whether to ignore the installed implementation of the weblogic.security.SSLHostnameVerifier interface (when this server is acting as a client to another application server). [More Info...](#)

Custom Hostname Verifier: None
The name of the class that implements the weblogic.security.SSLHostnameVerifier interface. [More Info...](#)

Export Key Lifespan: 500
Indicates the number of times WebLogic Server can use an exportable key between a domestic server and an exportable client before generating a new key. The more secure you want WebLogic Server to be, the fewer times the key should be used before generating a new key. [More Info...](#)

☐ Use Server Certs
Sets whether the client should use the server certificates/key as the client.

5. Select OIM Server & SOA Server to enable SSL options and Repeat the steps performed in 5.1.1.7 to 5.1.1.10.

ORACLE WebLogic Server® Administration Console
Home Log Out Preferences Record Help Welcome, weblogic Connected to: oim_domain

Change Center
View changes and restarts
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure
oim_domain
- Environment
- Servers
- Clusters
- Virtual Hosts
- Migratable Targets
- Coherence Servers
- Coherence Clusters
- Machines
- Work Managers
- Startup and Shutdown Classes
- Deployments
- Services
- Security Realms

How do I...
• Create Managed Servers
• Clone Servers
• Delete Managed Servers
• Delete the Administration Server
• Start and stop servers

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (3)

Summary of Servers
Configuration Control
A server is an instance of WebLogic Server that runs in its own Java Virtual Machine (JVM) and has its own configuration.
This page summarizes each server that has been configured in the current WebLogic Server domain.

Customize this table

Servers (Filtered - More Columns Exist)

Name	Cluster	Machine	State	Health	Listen Port
AdminServer (admin)			RUNNING	OK	7001
oim_server1			RUNNING	OK	24000
soa_server1			RUNNING	OK	8001

6. Now the admin server, oim server and soa server are SSL enabled. Restart all three servers.

5.1.2 Enabling SSL on GTC Connector Server

To have SSL enabled Provisioning Web Service in 5.1.5.1.4.15. We have to have a two way handshake between GTC Connector Server and the Application Server, where FCISProvisioningAdService web service deployed.

5.1.2.1 Export the KeyStore Certificate in 5.1.1.2

```
keytool -export -alias <aliasname> -file <exportfilename> -keystore <keystorename> -storetype jks -storepass <keystorepassword> -provider sun.security.provider.Sun
```

For Example:

```
keytool -export -alias FlexcubeCert -file webfile.cer -keystore FlexcubeKeyStore.jks -storetype jks -storepass Password@123 -provider sun.security.provider.Sun
```

5.1.2.2 Import the Certificate to Xellarate Key Store

```
keytool -import -trustcacerts -alias <aliasname> -noprompt -keystore <Domain_home>/config/fmwconfig/default-keystore.jks -file <importfilename> -storepass <keystorepassword>
```

For Example:

```
keytool -import -trustcacerts -alias FlexcubeCert -noprompt -keystore /app/Middleware/user_projects/domains/oim_domain/config/fmwconfig/default-keystore.jks -file webfile.cer -storepass Password123
```

Note *: <Domain_home>/config/fmwconfig/default-keystore.jks will be the KeyStore Password while configuring OIM Server. To have this feature, you should have only Weblogic Admin Server, OIM Server and SOA Server in this OIM Domain.

Oracle Identity and Access Management Configuration - Step 5 of 8

OIM Server

ORACLE FUSION MIDDLEWARE 11g

Navigation: Welcome, Components to Configure, Database, WebLogic Admin Server, **OIM Server**, Configuration Summary, Configuration Progress, Configuration Complete

OIM Administrator Password: [password field]
Confirm Password: [password field]
OIM HTTP URL: http://efee238233.in.oracle.com:24000
OIM External FrontEnd URL: [empty field]
KeyStore Password: [password field]
Confirm KeyStore Password: [password field]
☐ Enable LDAP Sync

Valid passwords are 6 to 30 characters long, must begin with an alphabetic character, use only alphanumeric, underscore (_), dollar (\$) or pound (#) characters and include at least one number.

Buttons: Help, < Back, Next >, Finish, Cancel
Elapsed Time: 11m 33s

5.1.2.3 Export Xellarate KeyStore Certificate

```
keytool -export -alias xell -noprompt -keystore <Domain_home>/config/fmwconfig/default-keystore.jks -file <xellexportfilename> -storetype jks -provider sun.security.provider.Sun
```

For Example:

```
keytool -export -alias xell -noprompt -keystore /app/Middleware/user_projects/domains/oim_domain/config/fmwconfig/default-keystore.jks -file xellcertificate.cer -storetype jks -provider sun.security.provider.Sun
```

5.1.2.4 Import the Xellarate Certificate to KeyStore Created in 5.1.1.2

```
keytool -import -alias <aliasname> -trustcacerts -file <xellimportfilename> -keystore <keystorename> -storetype jks -storepass <keystorepassword> -provider sun.security.provider.Sun
```

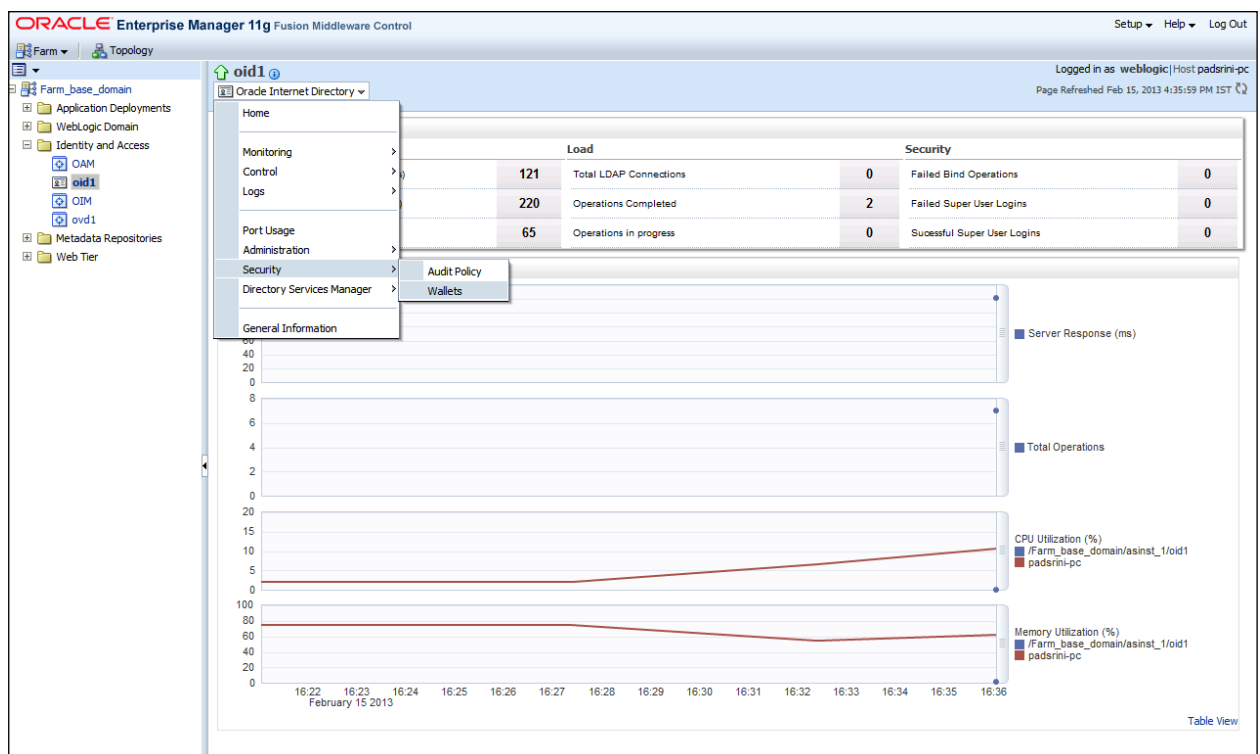
For Example:

```
keytool -import -alias xellcertificate -trustcacerts -file xellcertificate.cer -keystore FlexcubeKeyStore.jks -storetype jks -storepass Password@123 -provider sun.security.provider.Sun
```

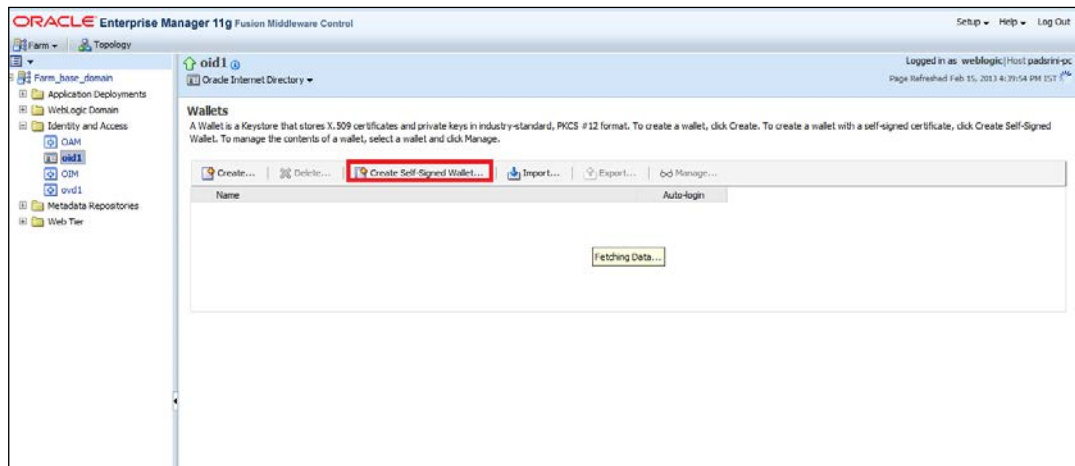
5.1.3 Configuring SSL Mode in Oracle Internet Directory

To enable SSL for OID LDAP Server refer and follow the below steps.

1. Login to the Enterprise Manager Console of the domain, in which Oracle Internet Directory is associated.



2. Click on Create Self-Signed Wallet.



3. Enter the Details as below & Click on OK.

ORACLE Enterprise Manager 11g Fusion Middleware Control

Logged in as weblogic | Host: pdsrini-pc
Page Refreshed Feb 15, 2013 4:40:45 PM IST

Walleys > Create Self-Signed Wallet

Create Self-Signed Wallet

A self signed wallet is not signed by a well known CA. A self-signed wallet is not recommended in a production environment. The wallet name should be unique for a given component. The wallet type can be auto-login or password-protected. Passwords, if specified, have a minimum length of eight characters, and contain alphabetic characters combined with numeric or special characters. Auto-login wallet is an obfuscated form of PKCS#12 wallet that provides PKI-based access to services and applications without requiring a password at runtime. Auto-login wallet don't need a password to modify, or delete the wallet. File system permissions provide the necessary security for Auto-login wallets.

Self-Signed Wallet Details

* Wallet Name:

☒ Auto-login

Wallet Password:

Confirm Password:

Add Self-Signed Certificate

Add a self-signed certificate that becomes part of the wallet.

* Common Name:

Organizational Unit:

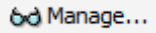
Organization:

City:

State:

Country:

Key Size:

4. Click on .

ORACLE Enterprise Manager 11g Fusion Middleware Control

Logged in as weblogic | Host: pdsrini-pc
Page Refreshed Feb 15, 2013 4:44:27 PM IST

Walleys

A Wallet is a Keystore that stores X.509 certificates and private keys in industry-standard, PKCS #12 format. To create a wallet, click Create. To create a wallet with a self-signed certificate, click Create Self-Signed Wallet. To manage the contents of a wallet, select a wallet and click Manage.

Create... Delete... Create Self-Signed Wallet... Import... Export... **Manage...**

Name	Auto-login
oidselfsigned	<input checked="" type="checkbox"/>

5. Select the Trusted Certificate & Click on Export.

ORACLE Enterprise Manager 11g Fusion Middleware Control

Logged in as weblogic | Host: pdsrini-pc
Page Refreshed Feb 15, 2013 4:45:58 PM IST

Walleys > Manage Certificates

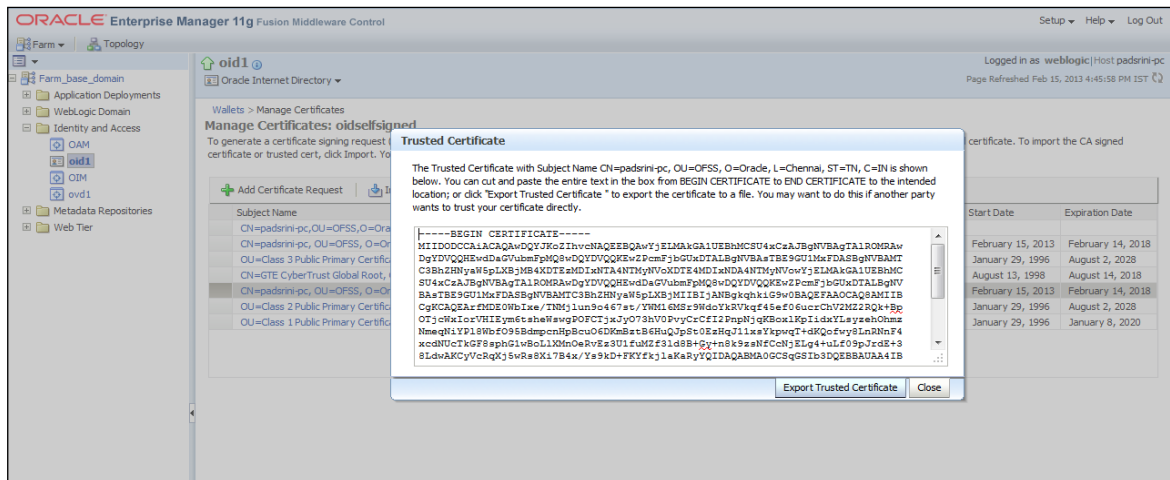
Manage Certificates: oidselfsigned

To generate a certificate signing request (CSR), click "Add Certificate Request". After you create a CSR, send it to your CA who will verify your identity and return the signed certificate. To import the CA signed certificate or trusted cert, click Import. You can only import the CA-signed certificate into the same wallet from which the CSR was generated.

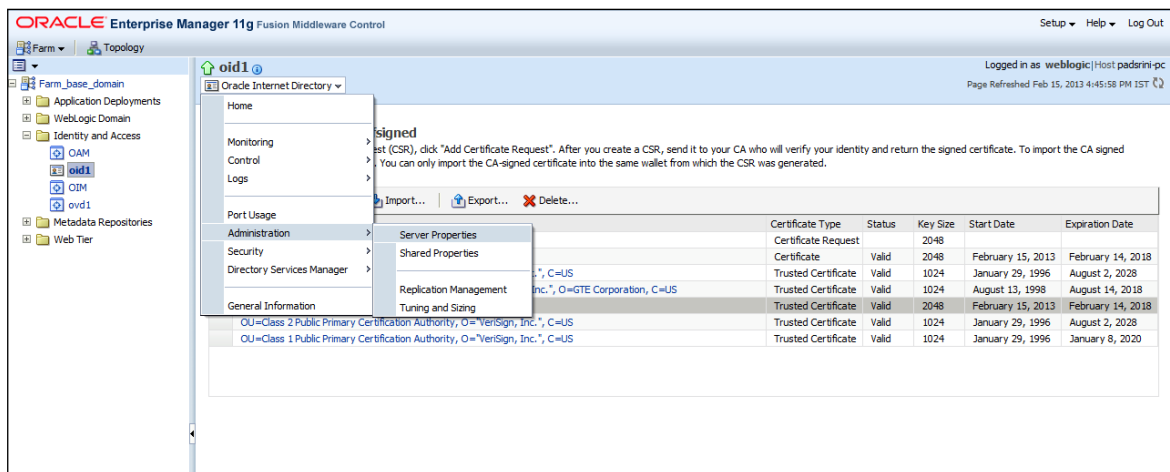
Add Certificate Request Import... **Export...** Delete...

Subject Name	Certificate Type	Status	Key Size	Start Date	Expiration Date
CH=pdsrini-pc, OU=OFSS, O=Oracle, L=Chennai, ST=TN, C=IN	Certificate Request		2048		
CH=pdsrini-pc, OU=OFSS, O=Oracle, L=Chennai, ST=TN, C=IN	Certificate	Valid	2048	February 15, 2013	February 14, 2018
OU=Class 3 Public Primary Certification Authority, O=YerSign, Inc., C=US	Trusted Certificate	Valid	1024	January 29, 1996	August 2, 2028
CH=GTE CyberTrust Global Root, OU=GTE CyberTrust Solutions, Inc., O=GTE Corporation, C=US	Trusted Certificate	Valid	1024	August 13, 1998	August 14, 2018
CH=pdsrini-pc, OU=OFSS, O=Oracle, L=Chennai, ST=TN, C=IN	Trusted Certificate	Valid	2048	February 15, 2013	February 14, 2018
OU=Class 2 Public Primary Certification Authority, O=YerSign, Inc., C=US	Trusted Certificate	Valid	1024	January 29, 1996	August 2, 2028
OU=Class 1 Public Primary Certification Authority, O=YerSign, Inc., C=US	Trusted Certificate	Valid	1024	January 29, 1996	January 8, 2020

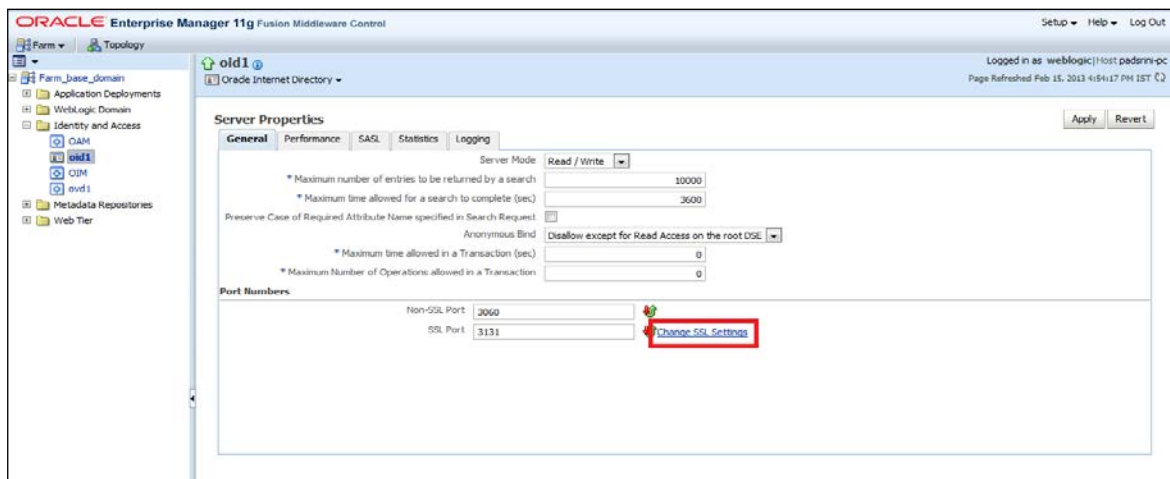
6. Click Export Trusted Certificate and save the certificate file.



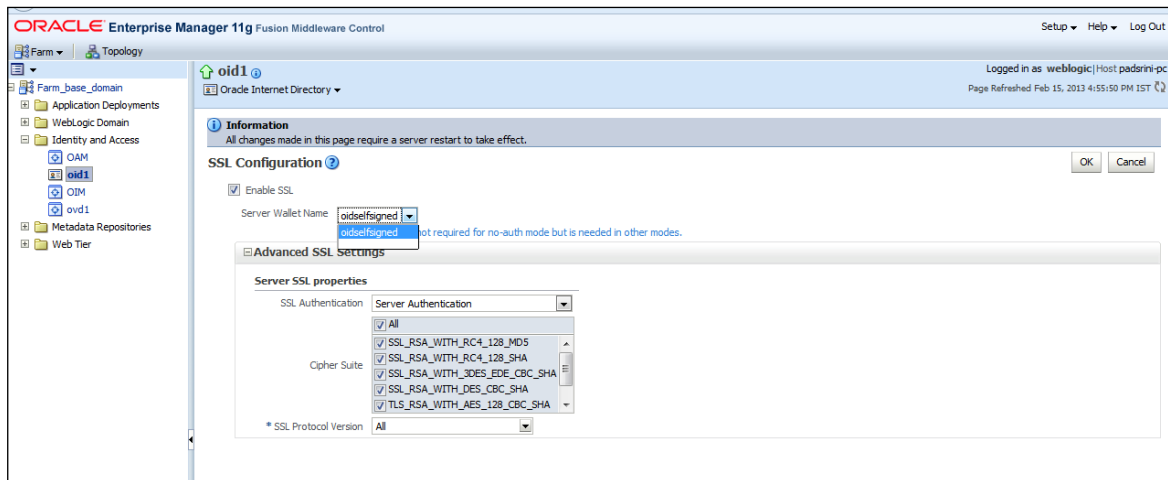
7. Click on Server Properties.



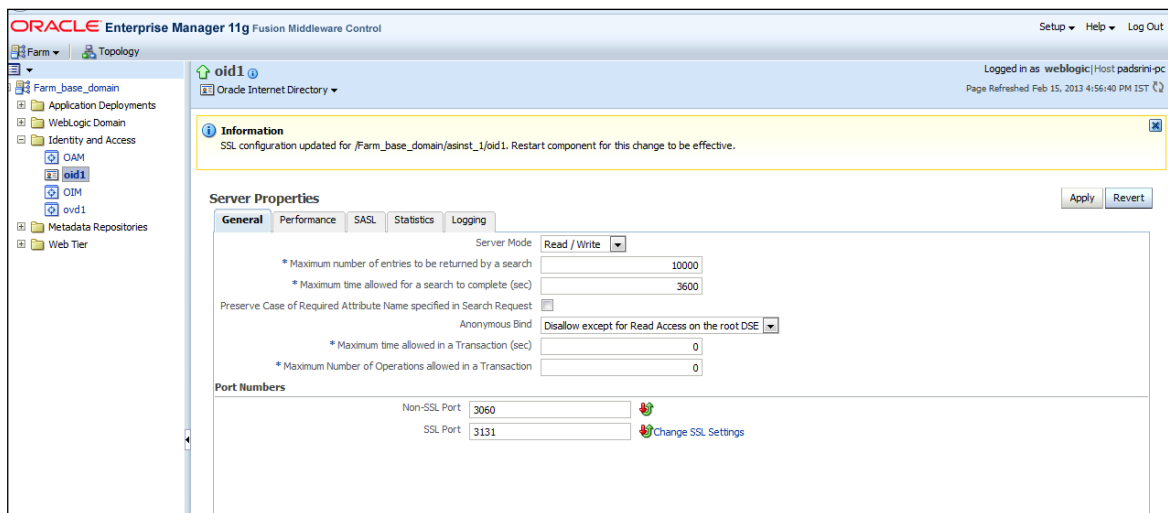
8. Click on Change SSL Settings.



9. Select the Wallet, SSL Authentication as Server Authentication, Cipher Suite, SSL Protocol Version as below & Click on OK.



10. Click on Apply.



5.1.3.1 Import LDAP Server SSL Certificate into OIM Server

Import the Exported Certificate into **wlserver_10.3/server/lib/DemoTrust.jks** of OIM Server Domain using the below command [Store Password is **DemoTrustKeyStorePassPhrase**]

```
keytool -import -keystore MW_HOME/wlserver_10.3/server/lib/DemoTrust.jks -file /home/testoc4j/OIM/globalv.crt -storepass DemoTrustKeyStorePassPhrase
```

Restart Both OID & OIM Server.

5.1.4 OIM FLEXCUBE Adapter Setup

Prerequisite: Gateway EJB component

OIM FCIS adapter consists of two web services:

- **FCUBSLOVAdService** : To fetch list of values from FCIS Database
- **FCUBSProvisioningAdService**: To handle OIM's request and response for user provisioning and de-provisioning services. This web service requires FCUBS Gateway EJB either on same Weblogic Application server or another. If it is on same Weblogic Application server then this web service is deployed as child of Gateway EJB.

OIM FCIS adapter setup is all about deployment of these web services on Oracle Fusion Middleware 11g Release 2 (11.1.2.2.0).

5.1.4.1 **Environment Setup**

The following steps to be followed to do the initial environment setup for OIM FCIS adapter deployment:

1. Copy following folders from the Kernel Vercon Software Release area
 - <FCIS Release Name>\ADAPTERS\OIM\FCUBSLOVAdService
 - <FCIS Release Name>\ADAPTERS\OIM\FCUBSProvisioningAdService
 - <FCIS Release Name>\ADAPTERS\OIM\setup

to local machine (say **D:\OIM** for WINDOWS or **/home/kernel/OIM** for UNIX).

Note: If Gateway EJB server and OIM server is on same system, then copy entire folder from Kernel VERCON software release area to local machine.

In this document SPMLADAPTER_INSTALL_DIR specifies the directory where adapter will be installed.

e.g.

For WINDOWS:

SPMLADAPTER_INSTALL_DIR=D:\

For UNIX:

SPMLADAPTER_INSTALL_DIR=/home/kernel/

OIM_SERVER_INSTALL_DIR specifies the OIM server installation directory (like D:\Oracle\Middleware\weblogic\Oracle_IDM1 in windows or /Oracle/Middleware/weblogic/ Oracle_IDM1 in unix).

2. Create a Data source in WebLogic Server Version: 10.3.6.0.

[\[Refer Appendix 8.1 Data Source Creation\]](#)

3. Modify configuration files as below :

Edit **<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\src\webcontent\WEB-INF\web.xml**. This XML file shall have a similar section as the one shown below (Change the values given in bold)

```
<resource-ref>

    <res-ref-name>OIMLOVSQA</res-ref-name>

    <res-type>javax.sql.DataSource</res-type>

    <res-auth>Container</res-auth>

</resource-ref>
```

```

<env-entry>

    <description>Property File Path</description>

    <env-entry-name>propertyPath</env-entry-name>

    <env-entry-type>java.lang.String</env-entry-type>

    <env-entry-value>D:/OIM/FCUBSLOVAdService/config/</env-entry-value>

</env-entry>

```

Edit resource-ref section: Mention the JNDI name of the Datasource created in Application server for FLEXCUBE UBS Messaging Database Layer Instance at step 3 as res-ref-name.

Edit Property File Path: Give the absolute path for lookup_prop.xml as env-entry-value. Ideally, this file is residing in <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\config.

Note: Give "/" for at the end of the path. Also, note that as separator forward slash has been used instead of backward.

Edit <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\config\lookup_prop.xml. This XML file shall have a similar section as the one shown below, (Change the values given in bold)

```

<!-- DataBase Connection -->

    <add key="FCUBS_CON_POOLNAME" value="OIMLOVSQA" />

<!-- DataBase Connection -->

<add key="LOGGER_PATH"
value="D:/OIM/FCUBSLOVAdService/config/lookup_logger.xml" />

```

Edit FCUBS_CON_POOLNAME: Give the same Datasource JNDI name mentioned in above web.xml for FLEXCUBE UBS Messaging Database Layer Instance.

Edit LOGGER_PATH: Give the logging configuration absolute path for lookup_logger.xml. This file is residing in <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\config folder.

Note: As separator use forward slash instead of backward slash.

Edit <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\config\lookup_logger.xml. This XML file shall have a similar section as the one shown below, (Change the values given in bold)

```

<add key="ADOIM.LOGGER.FPATH" value="D:/OIM/FCUBSLOVAdService/log/" />

```

ADOIM.LOGGER.FPATH: Give the absolute path where log files will be stored. It is recommended that mention the following path <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\log/

Note: As separator use forward slash instead of backward slash. Give "/" for at the end of the path.

Edit <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\src\webcontent\WEB-INF\web.xml. This XML file shall have a similar section as the one shown below (Change the values given in bold)

```

<ejb-ref>

    <ejb-ref-name>GWEJB_GW_EJB_Bean</ejb-ref-name>

    <ejb-ref-type>Session</ejb-ref-type>

    <home>com.iflex.fcubs.gw.ejb.GWEJBRemoteHome</home>

    <remote>com.iflex.fcubs.gw.ejb.GWEJBRemote</remote>

</ejb-ref>

<env-entry>

    <description>Property File Path</description>

    <env-entry-name>propertyPath</env-entry-name>

    <env-entry-type>java.lang.String</env-entry-type>

    <env-entry-value>D:/OIM/FCUBSProvisioningAdService/config/</env-
entry-value>

</env-entry>

```

Edit ejb-link: To refer Gateway EJB from the web service locally the reference of Gateway EJB has been defined in this deployment descriptor file. Give the Gateway EJB name here as ejb-link, mentioned as ejb-name in ejb-jar.xml deployment descriptor file of Gateway EJB.

Edit Property File Path: Give the absolute path for ADOIM_Prop.xml as env-entry-value. This file is residing in **<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\config**.

Note: Give "/" for at the end of the path. Also, note that as separator forward slash has been used instead of backward.

Edit **<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\config\ADOIM_Prop.xml**. This XML file shall have a similar section as the one shown below, (Change the values given in bold)

```

    <add key="GW_EJB_JNDI_NAME" value="GWEJB/ejb/GW_EJB_Bean"/>

    <add key="GW_EJB_CALL_TYPE" value="REMOTE"/>

    <add key="GW_EJB_CTX_FACTORY"
value="weblogic.jndi.WLInitialContextFactory"/>

    <add key="GW_EJB_SERVER_URL" value="t3://localhost:7101"/>

    <add key="GW_EJB_SECURITY_PRINCIPAL" value=""/>

    <add key="GW_EJB_SECURITY_CREDENTIALS" value=""/>

```

Edit GW_EJB_JNDI_NAME: Give the Gateway EJB JNDI name.

Edit GW_EJB_CALL_TYPE: Give the LOCAL or REMOTE (must be in Upper Case) based on the way EJB is to be referred from web service. If FCUBS Gateway EJB is deployed on same Weblogic Application server then it should be REMOTE.

Edit GW_EJB_SERVER_URL: Give the application server URL where Gateway EJB is deployed.

Following are the parts that make this URL:

t3s://HOSTNAME:Port/GW_EJB_Bean



Protocol	Host Name	Weblogic Port	EJB Name
----------	-----------	---------------	----------

Protocol: This should be t3 as in WebLogic application server.

Server URL: This should be the IP address or fully qualified computer name (i.e. <computer name>.<domain>) of the system where the application server is running on which Gateway EJB has been deployed.

Port: This should be the same as **request port** mentioned in domain.xml file.

EJB Name: This should be the name of the Gateway EJB name (given in ejb-jar.xml as ejb-name tag value).

Edit following section in the

<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\config\ADOIM_Prop.xml file: (Change the values given in bold)

```
<add key="MAKER_ID" value="OIMUSER9"/>

<add key="HEAD_OFFICE" value="CHO"/>

<add key="REQ_SOURCE" value="IDM"/>

<add key="UBS_OR_IS" value="FCUBS"/>


<add key="LOGGER_PATH"

value="D:/OIM/FCUBSProvisioningAdService/config/adoim_logger.xml"/>

<add key="FCUBS_SPML_ERROR_FILE"

value="D:/OIM/FCUBSProvisioningAdService/config/
FCUBS_SPML_ERROR.properties"/>

<add key="ADOIM_MSG_LOGGING_ENABLED" value="N"/>

<add key="ADOIM_MSG_LOGGING_PATH"

value="D:/OIM/FCUBSProvisioningAdService/log/" />
```

Edit MAKER_ID: Give FCIS user id that can serve as maker id for all OIM requests. Please ensure that this id should be a valid user in FCIS and should have rights for creating, authorizing and modifying user.

Edit HEAD_OFFICE: Give the head office branch code.

Edit REQ_SOURCE: Give the external source name. Please ensure that maintenance of this external source has been done in FCIS.

Edit UBS_OR_IS: Give the application name to which the user need to be provisioned. The value will be either FCUBS or FCIS.

Edit LOGGER_PATH: Give the logging configuration absolute path for adoim_logger.xml. This file is residing in <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\config folder.

Edit FCUBS_SPML_ERROR_FILE: Give the absolute path for fcubs_spml_error.properties. This file is residing in < SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\config folder.

Edit ADOIM_MSG_LOGGING_ENABLED: Give 'Y' if OIM request and response message is required to be stored separately otherwise give 'N'.

Edit ADOIM_MSG_LOGGING_PATH: Give the absolute path where OIM request–response will get stored.

Note: As separator use forward slash instead of backward slash. Give "/" for at the end of the path.

Edit <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\config\adoim_logger.xml. This XML file shall have a similar section as the one shown below, (Change the values given in bold)

```
<add key="ADOIM.LOGGER.FPATH" value="D:/OIM/FCUBSProvisioningAdService /log"/>
```

Edit ADOIM.LOGGER.FPATH: Give the absolute path where log files will be stored. It is recommended that mention the following path <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService/log/

Note: As separator use forward slash instead of backward slash. Give "/" for at the end of the path.

5.1.4.1.1 Building the Deployment Units for WINDOWS

1. Building FCUBSLOVAdService.ear

- Edit <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\setup\WEBLOGIC\ build.xml to set {server_home} entry to Weblogic Server installed directory
Eg: D:\Middleware\wlserver_10.3
- Open a DOS command-prompt and change directory to, D:\OIM\FCUBSLOVAdService\
- Set PATH to JDK\bin and ANT\bin in the command prompt
- Set JAVA_HOME
- Change the directory to D:\OIM\FCUBSLOVAdService\setup\WEBLOGIC
- To execute the build file, type "ant" on the command-prompt and press enter.

Above step creates an EAR file in D:\OIM\FCUBSLOVAdService\build with the name FCUBSLOVAdService.ear

2. Building FCUBSProvisioningAdService.ear

- Edit <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\setup\WEBLOGIC\build.xml to set {server_home} and {JAVA_HOME} entry to Weblogic Server installed directory and JDK Installed directory.

Eg: D:\Middleware\wlserver_10.3

C:\Program Files\java\jdk1.7.0_51

- Change directory to, D:\OIM\FCUBSProvisioningAdService\setup\WEBLOGIC
- To execute the build file, type “ant” on the command-prompt and press enter.

Above step creates an EAR file in build D:\OIM\FCUBSProvisioningAdService folder with the name FCUBSProvisioningAdService.ear

5.1.4.1.2 Building the Deployment Units for UNIX / Linux

1. Building FCUBSLOVAdService.ear

- Modify {server_home} entry in the build.xml to where Weblogic Server is installed (for example /home/kernel/Middleware/wlserver_10.3)
- Open a UNIX shell prompt and change directory to, /home/OIM/FCUBSLOVAdService
- Set PATH environment variable with JDK/bin path and ANT\bin path in the command prompt.
- Change the directory to <SPMLADAPTER_INSTALL_DIR>/FCUBSLOVAdService/setup/WEBLOGIC
- To execute the build file, type “ant” on the shell prompt and press enter.

Above step creates an EAR file in /home/kernel/OIM/FCUBSLOVAdService/build folder with the name FCUBSLOVAdService.ear

2. Building FCUBSProvisioningAdService.ear

- Edit <SPMLADAPTER_INSTALL_DIR>/OIM/FCUBSProvisioningAdService/setup/WEBLOGIC/build.xml to set {server_home} entry to Weblogic Server installed directory

Eg: home/Oracle/Middleware/wlserver_10.3

home/java/jdk1.7.0_51

- Change directory to, /home/kernel/OIM/FCUBSProvisioningAdService/setup/WEBLOGIC
- To execute the build file, type “ant” on the command-prompt and press enter.

Above step creates an EAR file in /home/kernel/OIM/FCUBSProvisioningAdService/build folder with the name FCUBSProvisioningAdService.ear

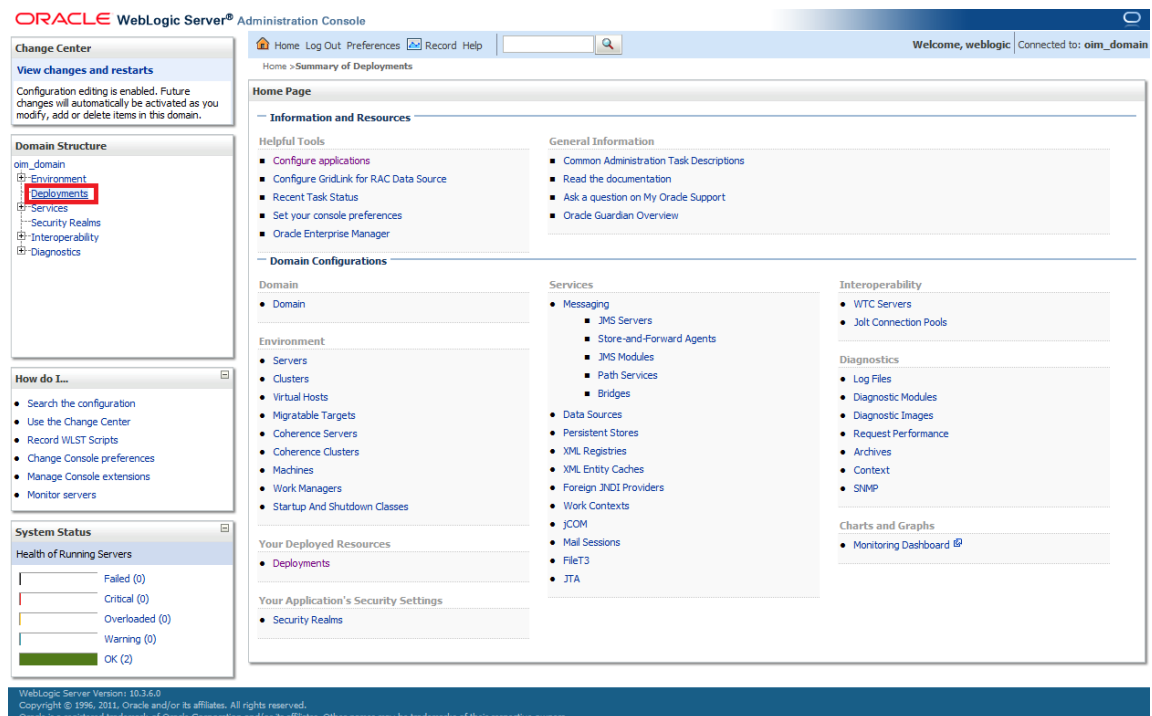
5.1.4.2 Deployment

Deploy FCUBSLOVAdService

1. Login to Administrative Console
2. Enter Weblogic administrator username/password and press **Login**.



3. Click on Deployments as shown in below screen.



4. Click on the Install as shown below.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: oim_domain

Home > Summary of Deployments

Summary of Deployments

Control Monitoring

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

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

Customize this table

Deployments

Install Update Delete Start Stop

Showing 1 to 10 of 90 Previous Next

Name	State	Health	Type	Deployment Order
adf.oracle.businesseditor(1.0,11.1.1.2.0)	Active		Library	100
adf.oracle.domain(1.0,11.1.1.2.0)	Active		Library	100
adf.oracle.domain.webapp(1.0,11.1.1.2.0)	Active		Library	100
AqAdapter	Active	OK	Resource Adapter	324
jb2ui	Active	OK	Enterprise Application	313
composer	Active	OK	Enterprise Application	315
DbAdapter	Active	OK	Resource Adapter	322
DefaultToDoTaskFlow	Active	OK	Enterprise Application	314
DMS Application (11.1.1.1.0)	Active	OK	Web Application	5
em	Active	OK	Enterprise Application	400

Install Update Delete Start Stop

Showing 1 to 10 of 90 Previous Next

5. The following screen is displayed.

6. Click on upload your file(s)

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: oim_domain

Home > Summary of Deployments > Summary of JDBC Data Sources > Summary of Deployments

Install Application Assistant

Back Next Finish Cancel

Locate deployment to install and prepare for deployment

Select the file path that represents the application root directory, archive file, exploded archive directory, or application module descriptor that you want to install. You can also enter the path of the application directory or file in the Path field.

Note: Only valid file paths are displayed below. If you cannot find your deployment files, **upload your file(s)** and/or confirm that your application contains the required deployment descriptors.

Path: /scratch/app/sso1123/wl1036/NMiddleware/user_projects/domains/oim_domain

Recently Used Paths: (none)

Current Location: ofss220223.in.oracle.com / scratch / app / sso1123 / wl1036 / NMiddleware / user_projects / domains / oim_domain

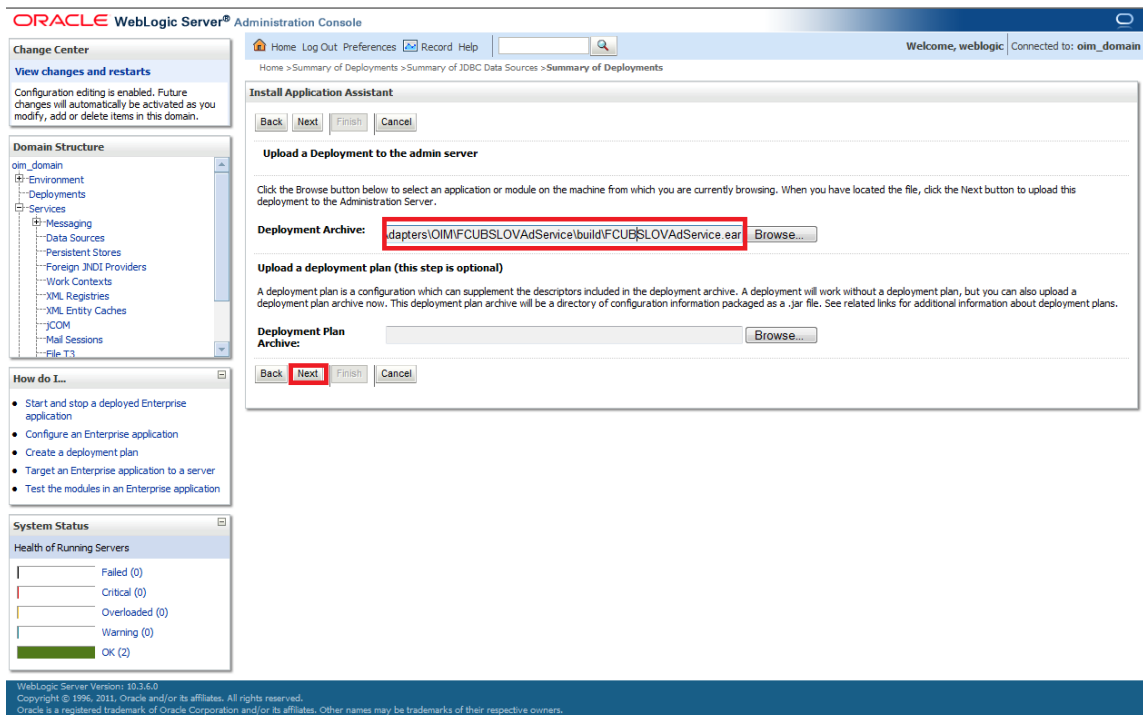
bin
config
servers
soa
sysman

Back Next Finish Cancel

7. Choose the enterprise archive file from the build path:

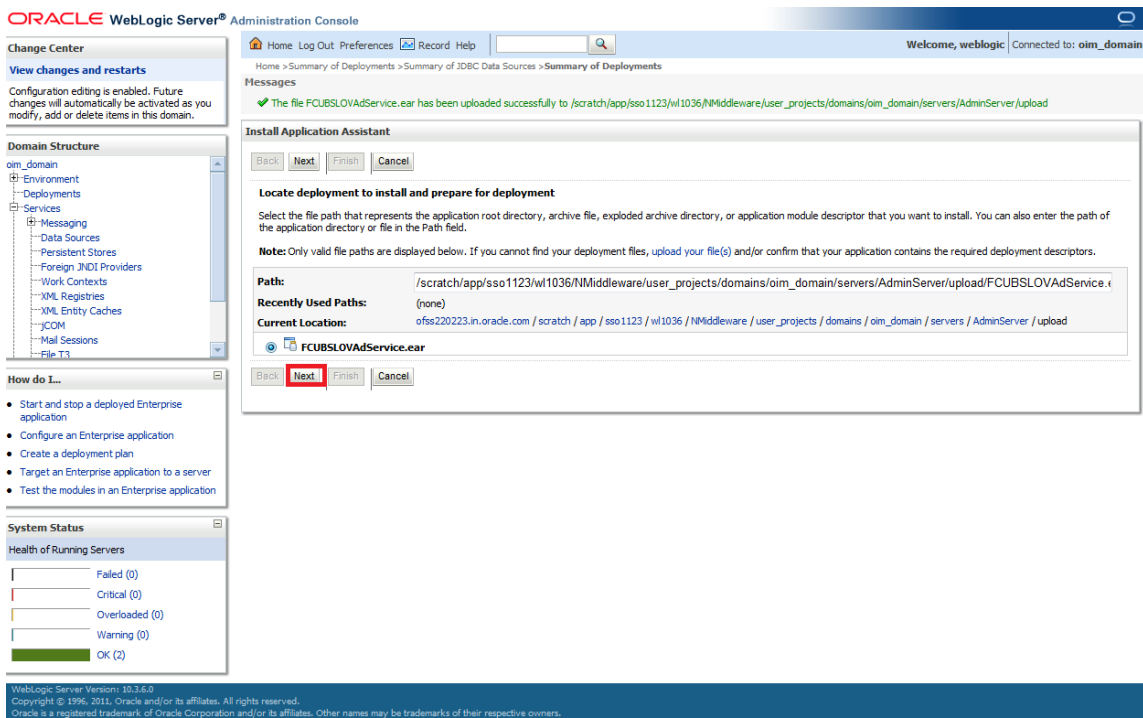
<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\build\

8. Click on Next

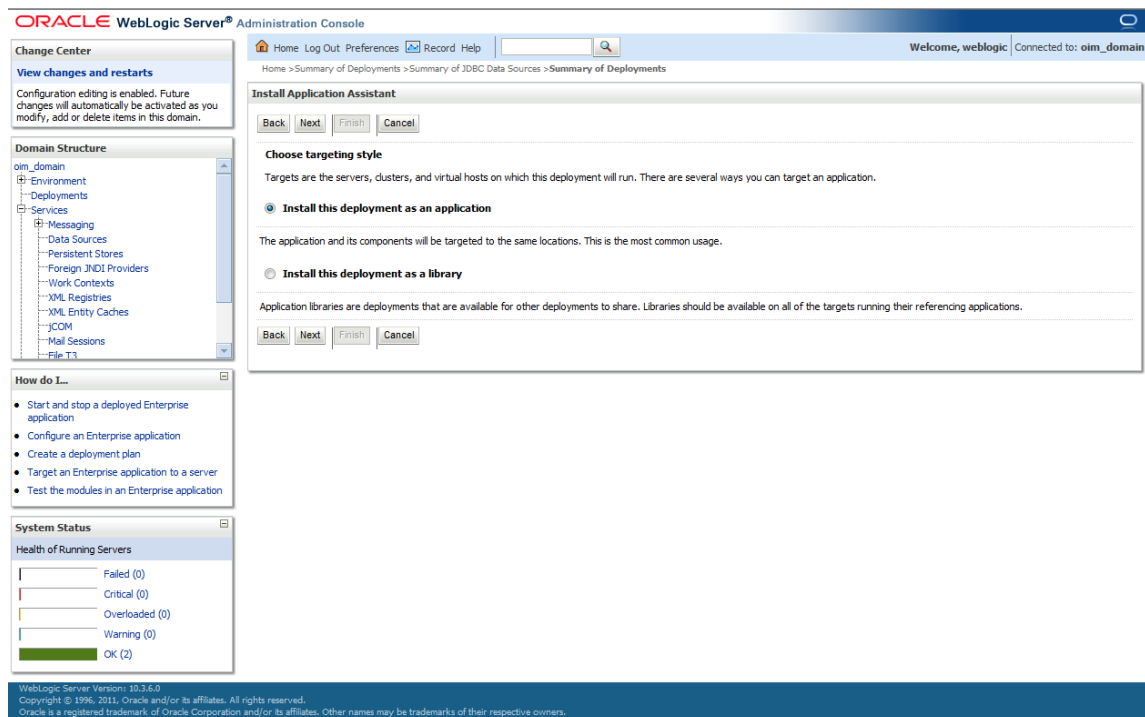


9. Select the enterprises archive file FCUBSLOVAdService.ear

10. Click on Next



11. The following screen is displayed.
12. Select – Install this deployment as an application.
13. Click on Next.



14. The following screen is displayed.
15. Select the Application Server Instance in which the FCUBSLOVAdService needs to be deployed.
16. Click on Next.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: oim_domain

Change Center

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

Domain Structure

oim_domain

- Environment
 - Deployments
 - Services
 - Messaging
 - Data Sources
 - Persistent Stores
 - Foreign JNDI Providers
 - Work Contexts
 - XML Registries
 - XML Entity Caches
 - JCOM
 - Mail Sessions
 - File T3

How do I...

- Start and stop a deployed Enterprise application
- Configure an Enterprise application
- Create a deployment plan
- Target an Enterprise application to a server
- Test the modules in an Enterprise application

System Status

Health of Running Servers

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (2)

Install Application Assistant

Back Next Finish Cancel

Select deployment targets

Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets later).

Available targets for FCUBSLOVAdService :

Servers

AdminServer

☒ oim_server1

soa_server1

Back Next Finish Cancel

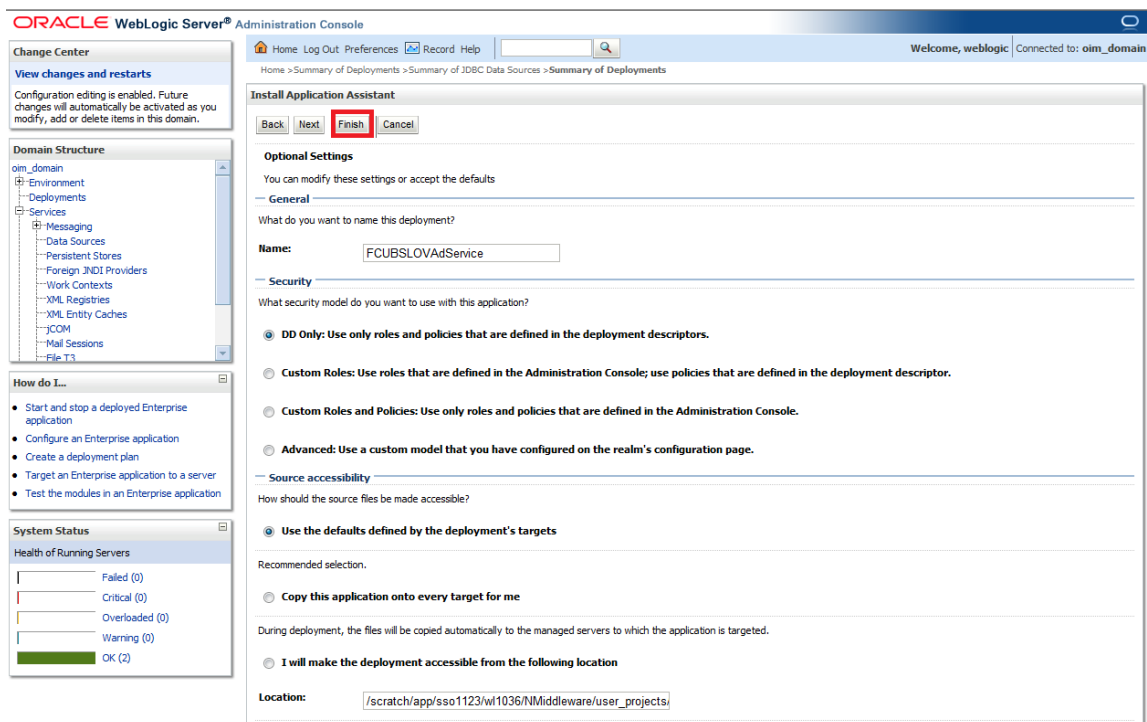
WebLogic Server Version: 10.3.6.0

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17. The following screen is displayed.

18. Click on Finish.



5.1.4.2.1 Deploy FCUBSPROVISIONINGAdService

If the **GW_EJB_CALL_TYPE** is set as **REMOTE** in the **ADOIM_Prop.xml** then follow the same step as above (Section 5.1.4.2.1) to deploy the FCUBSPROVISIONINGAdService web service with following changes

- Select the ear file from the path <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSPROVISIONINGAdService\build\FCUBSPROVISIONINGAdService.ear
- Give the application name as FCUBSPROVISIONINGAdService.

If the **GW_EJB_CALL_TYPE** is set as **REMOTE** in the **ADOIM_Prop.xml**, follow the below steps

The following screen is displayed.

1. Make sure that Gateway EJB bean has been deployed there as shown in below screen shot.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: oim_domain

Home > Summary of Deployments > Summary of JDBC Data Sources > Summary of Deployments > GWEJB > Summary of Deployments > Summary of JDBC Data Sources > Summary of Deployments

Summary of Deployments

Control Monitoring

This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.

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

Customize this table

Deployments

Install Update Delete Start Stop

Showing 11 to 20 of 92 Previous Next

Name	State	Health	Type	Deployment Order
email	Active		Library	100
emas	Active		Library	100
emcore	Active		Library	100
FCUBSLOVAdService	Active	OK	Enterprise Application	100
FileAdapter	Active	OK	Resource Adapter	321
FMW Welcome Page Application (11.1.0.0.0)	Active	OK	Enterprise Application	5
FtpAdapter	Active	OK	Resource Adapter	325
GWEJB	Active	OK	Enterprise Application	100
Modules				
GW_EJB_Bean.jar			EJB Module	
EJBs				
GWEJB_GW_EJB_Bean			EJB	
Web Services				
None to display				

Refer 5.1.4.2.1 to know more about the deployment steps.

2. Choose the enterprise archive file Path from the build path:

<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\build\

3. Select the enterprises archive file FCUBSProvisioningAdService.ear

4. Click on Finish.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: oim_domain

Home > Summary of Deployments > Summary of JDBC Data Sources > Summary of Deployments > GWEJB > Summary of Deployments > GWEJB > Summary of JDBC Data Sources > Summary of Deployments

Install Application Assistant

Back Next **Finish** Cancel

Optional Settings

You can modify these settings or accept the defaults

General

What do you want to name this deployment?

Name: FCUBSProvisioningAdService

Security

What security model do you want to use with this application?

☒ **DD Only:** Use only roles and policies that are defined in the deployment descriptors.

☐ **Custom Roles:** Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.

☐ **Custom Roles and Policies:** Use only roles and policies that are defined in the Administration Console.

☐ **Advanced:** Use a custom model that you have configured on the realm's configuration page.

Source accessibility

How should the source files be made accessible?

☒ **Use the defaults defined by the deployment's targets**

Recommended selection:

☐ **Copy this application onto every target for me**

During deployment, the files will be copied automatically to the managed servers to which the application is targeted.

☐ **I will make the deployment accessible from the following location**

Location: /scratch/app/sso1123/wl1036/NMiddleware/user_projects

5.1.5 OIM Setup

Prerequisite: Oracle Identity Server & Oracle Design Console.

OIM side setup should be done on the system where OIM server is running. This setup includes

Java code deployment of OIM's pre-populate adapter, entity adapter and schedule task & importing integration specific configuration files into OIM.

The following steps to be followed to do the initial environment setup:

1. Copy following folders from the Kernel Vercon Software Release area

- <FCIS Release Name>\ADAPTERS\OIM\OIM-Config
- <FCIS RELEASE NAME>\ADAPTERS\OIM\setup

to local machine (say D:\OIM for WINDOWS or /home/kernel/OIM for UNIX).

2. Building the Lookup Search Scheduled Task deployment units for WINDOWS.

- Change directory to, D:\OIM\OIM-Config\Sch-Task\setup
- Modify the OIM_SERVER_INSTALL_DIR entry in the build.xml to where OIM Server is installed (for example D:\Oracle\Middleware\weblogic\Oracle_IDM1) and JAVA_HOME entry.
- In the below section of build.xml change the WSDL location hostname and port.

```
<exec executable="{JAVA_HOME}/bin/wsimport">
```

```
<arg line="-keep -p com.iflex.fcubs.integration.oim.ws.client http://  
<hostname>:<port>/FCUBSLOVAdService/FCUBSLOVAdServiceSEI?WSDL"/>
```

```
</exec>
```

- To execute the build file, type “ant” on the command-prompt and press enter.

Above step creates a JAR file in D:\OIM\OIM-Config\Sch-Task\build\ FCUBSLOV SchTask folder with the name **FCUBSLOV SchTask.Jar**

- Copy this FCUBSLOV SchTask.Jar to the <OIM_SERVER_INSTALL_DIR>\server\ScheduleTask folder and <OIM_SERVER_INSTALL_DIR>\server\apps\oim.ear\APP-INF\lib

3. Building the Lookup Search Scheduled Task deployment units for UNIX

- Change directory to /home/kernel/OIM/OIM-Config/Sch-Task/setup
- Modify the OIM_SERVER_INSTALL_DIR entry in the build.xml to where OIM Server is installed (for example /Oracle/Middleware/weblogic/Oracle_IDM1) and JAVA_HOME entry.
- In the below section of build.xml change the WSDL location hostname and port.

```
<exec executable="{JAVA_HOME}/bin/wsimport">
```

```
<arg line="-keep -p com.iflex.fcubs.integration.oim.ws.client  
http://<hostname>:<port>/FCUBSLOVAdService/FCUBSLOVAdServiceSEI?WSDL"/>
```

```
</exec>
```

- To execute the build file, type “ant” on the shell and press enter.

Above step creates a JAR file in /home/kernel/OIM/OIM-Config/Sch-Task/build/FCUBSLOVSchTask folder with the name **FCUBSLOVSchTask.Jar**

- Copy this FCUBSLOVSchTask.Jar to the <OIM_SERVER_INSTALL_DIR>/server/ScheduleTask folder and <OIM_SERVER_INSTALL_DIR>/server/apps/oim.ear/APP-INF/lib

4. Deployment of Pre-population Adapters

Below Steps will be valid In case of different name used to create the form in [5.1.5.1.5.28](#)

- Change the directory to

<AdapterSource>/OIM/OIM-Config/PrePopulateAdapter

- Edit the plugin.xml and update the FlexcubeForm into the form name entered in [5.1.5.1.5.28](#)

```
<?xml version="1.0" encoding="UTF-8" ?>

<oimplugins xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

  <plugins pluginpoint="oracle.iam.request.plugins.PrePopulationAdapter">

    <plugin pluginclass="com.oracle.oim.utility.eventhandler.UserIDPrepopulateAdapter" version="1.0"

      name="UserIDPrepopulateAdapter">

      <metadata name="PrePopulationAdapater">

        <value>FlexcubeForm::USERID</value>

      </metadata>

    </plugin>

    <plugin pluginclass="com.oracle.oim.utility.eventhandler.UserNamePrepopulateAdapter" version="1.0"

      name="UserNamePrepopulateAdapter">

      <metadata name="PrePopulationAdapater">

        <value>FlexcubeForm::USERNAME</value>

      </metadata>

    </plugin>

    <plugin pluginclass="com.oracle.oim.utility.eventhandler.UserPasswordPrepopulateAdapter" version="1.0"

      name="UserPasswordPrepopulateAdapter">

      <metadata name="PrePopulationAdapater">

        <value>FlexcubeForm::USERPASSWORD</value>

      </metadata>

    </plugin>

    <plugin pluginclass="com.oracle.oim.utility.eventhandler.EmailPrepopulateAdapter" version="1.0"

      name="EmailPrepopulateAdapter">

      <metadata name="PrePopulationAdapater">
```

```

    <value>FlexcubeForm::EMAIL</value>

  </metadata>

</plugin>

<plugin pluginclass="com.oracle.oidm.utility.eventhandler.LdapUserPrepopulateAdapter" version="1.0"
      name="LdapUserPrepopulateAdapter">

  <metadata name="PrePopulationAdapter">

    <value>FlexcubeForm::LDAPUSR</value>

  </metadata>

</plugin>

<plugin pluginclass="com.oracle.oidm.utility.eventhandler.StartDatePrepopulateAdapter" version="1.0"
      name="StartDatePrepopulateAdapter">

  <metadata name="PrePopulationAdapter">

    <value>FlexcubeForm::STARTDATE</value>

  </metadata>

</plugin>

</plugins>

<plugins pluginpoint="oracle.iam.platform.kernel.spi.EventHandler">

  <plugin pluginclass="com.oracle.oidm.utility.eventhandler.UserPasswordPreProcessHandler" version="1.0 "
        name="UserPasswordPreProcessHandler"></plugin>

</plugins>

</oidmplugins>

```

- Change the directory to

```
<AdapterSource>/OIM/OIM-Config/PrePopulateAdapter /setup
```

- Modify the OIM_SERVER_INSTALL_DIR entry in the build.xml to where OIM Server is installed (for example D:\Oracle\Middleware\weblogic\Oracle_IDM1) and JAVA_HOME entry
 - To execute the build file, type “ant” on the shell and press enter.

Above step creates a zip file in <AdapterSource>/OIM/OIM-Config/PrePopulateAdapter/build/ folder with the name **prepopulateadapter.zip**

- Copy the <AdapterSource>/OIM/OIM-Config/PrePopulateAdapter/build/prepopulateadapter.zip into <OIM_SERVER_INSTALL_DIR>/server/plugins/
- <OIM_SERVER_INSTALL_DIR>/server/plugin_utility/ant.properties should be changed from

```

#####

## The installation directory for WLS or WAS

#####

```

```
#wls.home=@wls_home

#was.home=@was_home

#####

# The OIM server directory for OIM. For example: MW_HOME/Oracle_IDM1/server
#####

#oim.home@oim_home

#####

#login file name with path for WAS or WLS
#####

#login.config=${oim.home}/config/authwl.conf
#login.config=${oim.home}/config/authws.conf

#####

# Represents the directory where Oracle Fusion Middleware is installed.
#####

#mw.home=@mw_home
```

To

```
#####

## The installation directory for WLS or WAS
#####

wls.home=<Installation_DIR>/Middleware/wlserver_10.3

#was.home=@was_home

#####

# The OIM server directory for OIM. For example: MW_HOME/Oracle_IDM1/server
#####

oim.home=<OIM_INSTALLATION_DIR>/server/

#####

#login file name with path for WAS or WLS
```

```
#####
```

```
login.config=${oim.home}/config/authwl.conf
```

```
#login.config=${oim.home}/config/authws.conf
```

```
#####
```

```
# Represents the directory where Oracle Fusion Middleware is installed.
```

```
#####
```

```
mw.home=<Installation_DIR>/Middleware
```

- Set the ANT_HOME & JAVA_HOME
 - In Command Prompt / SHELL type the below command and Press Enter
 - ant -f pluginregistration.xml register
 - Following Information has to be provided
 - OIM Admin User – xelsysadm
 - OIM Admin User – Password
 - OIM Admin server URL : t3://hostname:portname
 - Full path of adapter which needs to be imported
- <OIM_SERVER_INSTALL_DIR>/server/plugins/prepopulateadapter.zip
- Result will be displayed like

```
Plugin com.oracle.oim.utility.eventhandler.LdapUserPrepopulateAdapter version 1.0 Registered
```

```
Plugin com.oracle.oim.utility.eventhandler.UserIDPrepopulateAdapter version 1.0 Registered
```

```
Plugin com.oracle.oim.utility.eventhandler.StartDatePrepopulateAdapter version 1.0 Registered
```

```
Plugin com.oracle.oim.utility.eventhandler.UserNamePrepopulateAdapter version 1.0 Registered
```

```
Plugin com.oracle.oim.utility.eventhandler.UserPasswordPrepopulateadapter version 1.0 Registered
```

```
Plugin com.oracle.oim.utility.eventhandler.EmailPrepopulateAdapter version 1.0 Registered
```

```
Plugin com.oracle.oim.utility.eventhandler.UserPasswordPreProcessHandler version 1.0 Registered
```

- Modify the weblogic.properties under < OIM_SERVER_INSTALL_DIR >/server/bin

```
wls_servername=@servername
```

```
application_name=@appname
```

```
metadata_from_loc=@metadata_from_loc
```

to

```
wls_servername=oim_server1
```

```
application_name=OIMMetadata
```

```
metadata_from_loc=<AdapterSource>/OIM/OIM-Config/PrePopulateAdapter/oim
```

- Type **sh weblogicImportMetadata.sh** in shell or **weblogicImportMetaData.bat** in command prompt and press enter to execute the command.
- You have to enter Weblogic Admin Server – user name, password and URL (like t3://localhost:7001)
- Type **sh PurgeCache.sh all** in shell or **PurgeCache.bat all** in command prompt and press enter to execute the command.
- Now you have to enter oim admin user name (xelsysadm), password and oim server URL (like t3://localhost:14000)
- Restart the OIM Server to impact the changes done.

5. Create folders for Reconciliation

- For reconciliation, there should be different folder for staging files (yet to be reconciled) and for processed files (after reconciliation). These folders can be anywhere that OIM should be able to access. If it is other than the OIM server system then that network path should be mapped as network drive.
- Create folder to keep staging file, for example

<OIM_SERVER_INSTALL_DIR>\xellerate\GTC\Recon\Staging

- Create folder to keep processed file, for example

<OIM_SERVER_INSTALL_DIR>\xellerate\GTC\Recon\Archive

6. Importing Configuration Files

This step involves import of integration specific configuration files into OIM using OIM provided Deployment Manager.

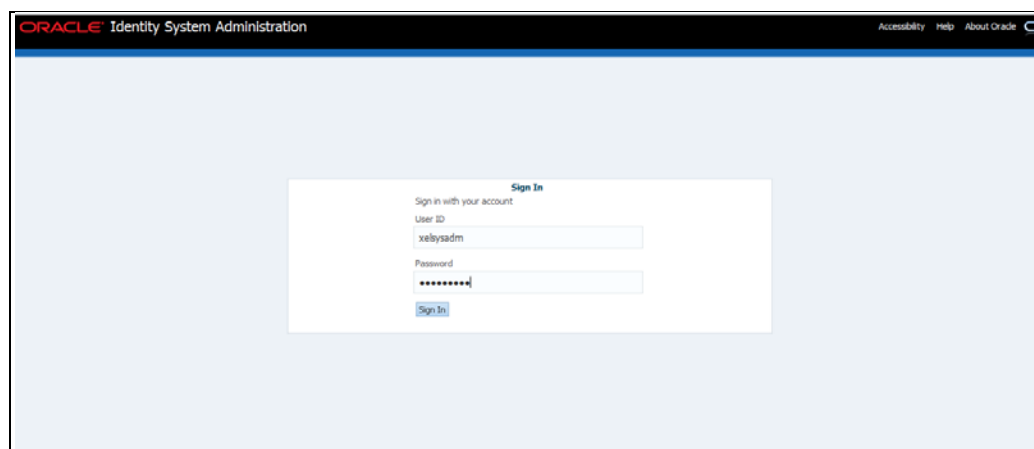
Prerequisite: Ensure that OIM setup steps have been followed properly.

Note: Do the import in the same order as it is described below.

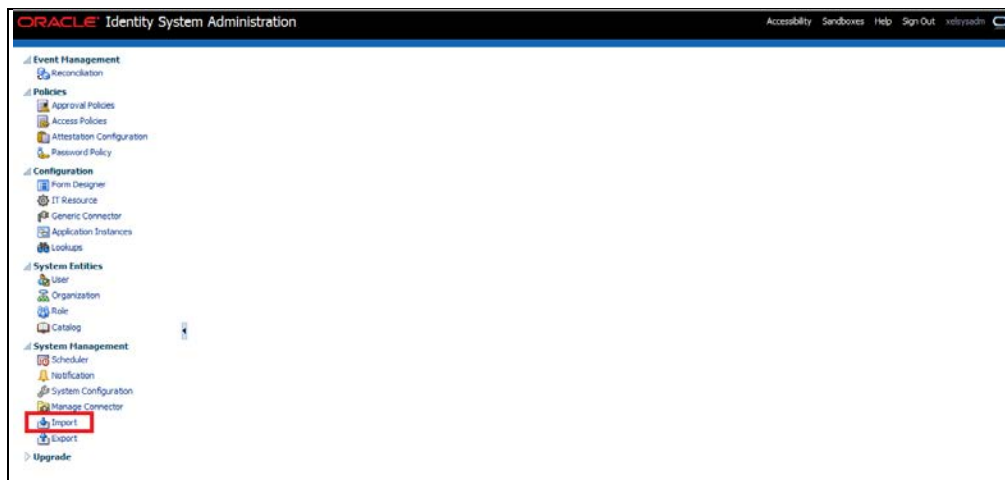
Open the Oracle Identity Manager Administrative console. (Give the following URL in the browser: <http://<hostname>:<oimport>/sysadmin>)

7. Login to Administrative Console

8. Enter OIM administrator username/password and press Sign In.



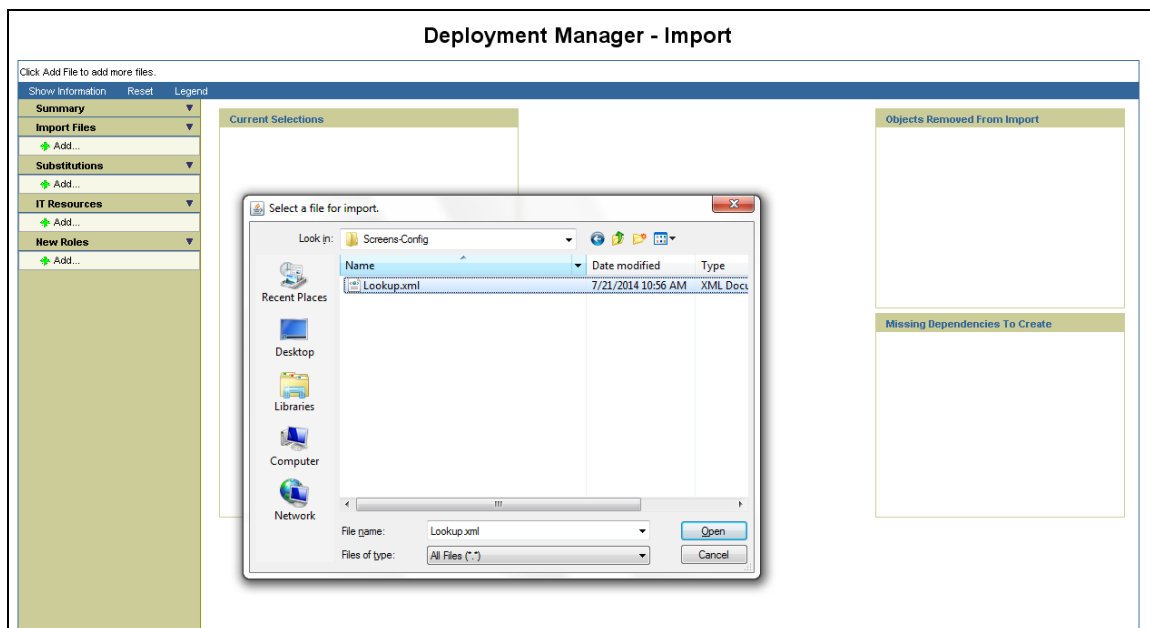
9. Click on Import option under System Management.



The following screen will get displayed with Add File option.

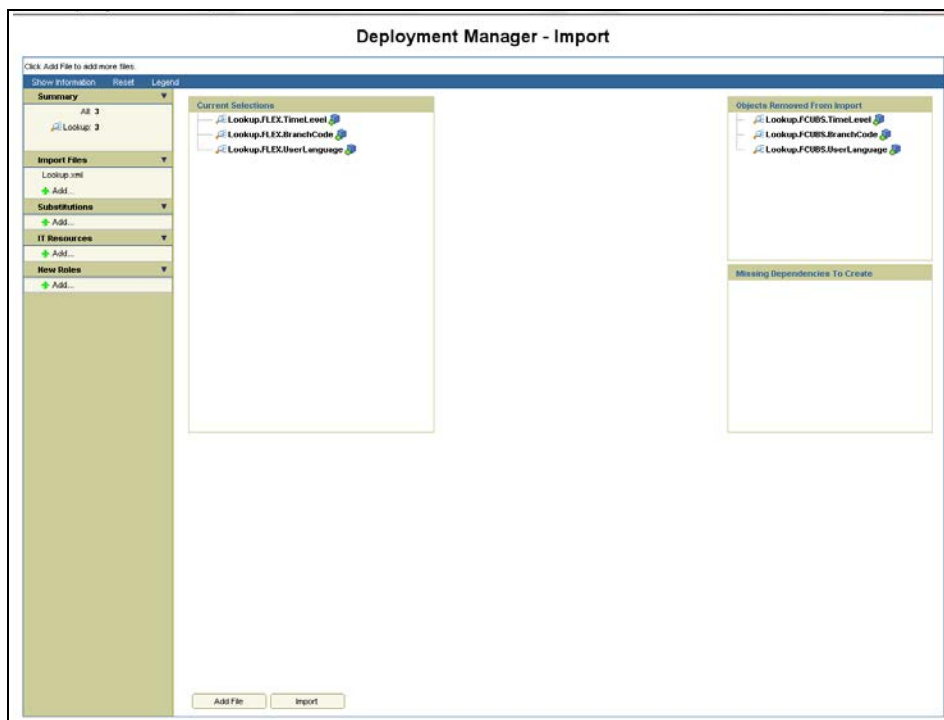
10. Select Lookup.xml file from the folder <SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\Screens-Config.

11. Click on Open.



We will get File preview screen

12. Click on Add file.

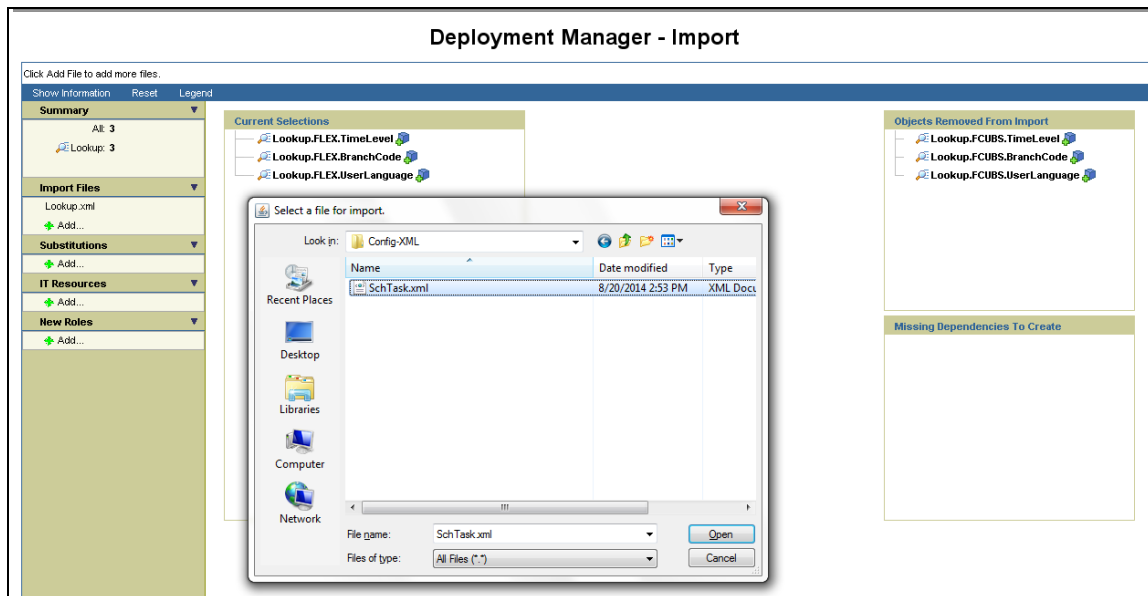


13. Click on Add File

14. Select Rule.xml file from the folder

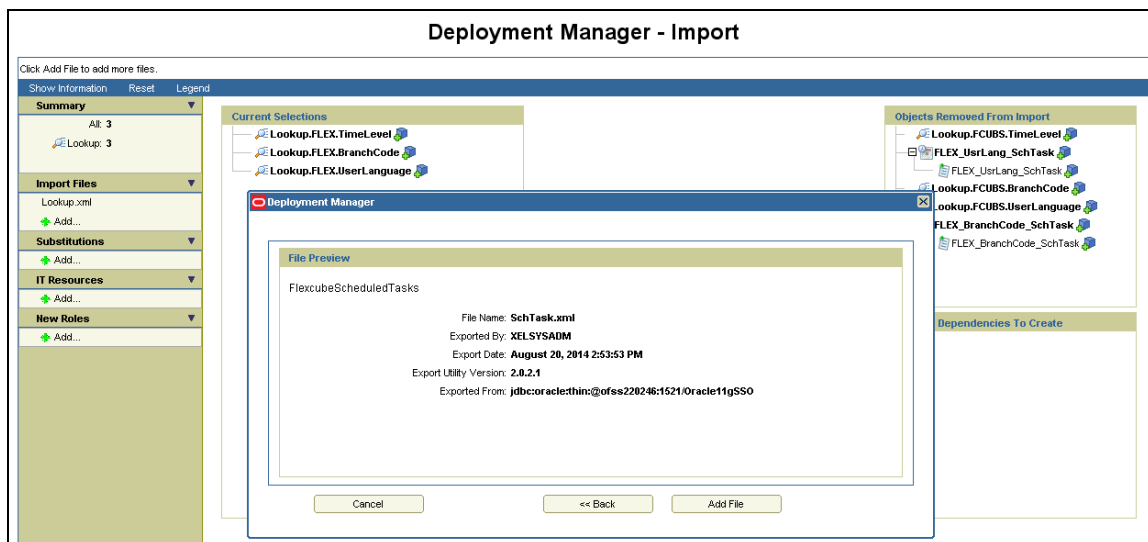
<SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\Sch-Tasks\Config-XML.

15. Click on Open.

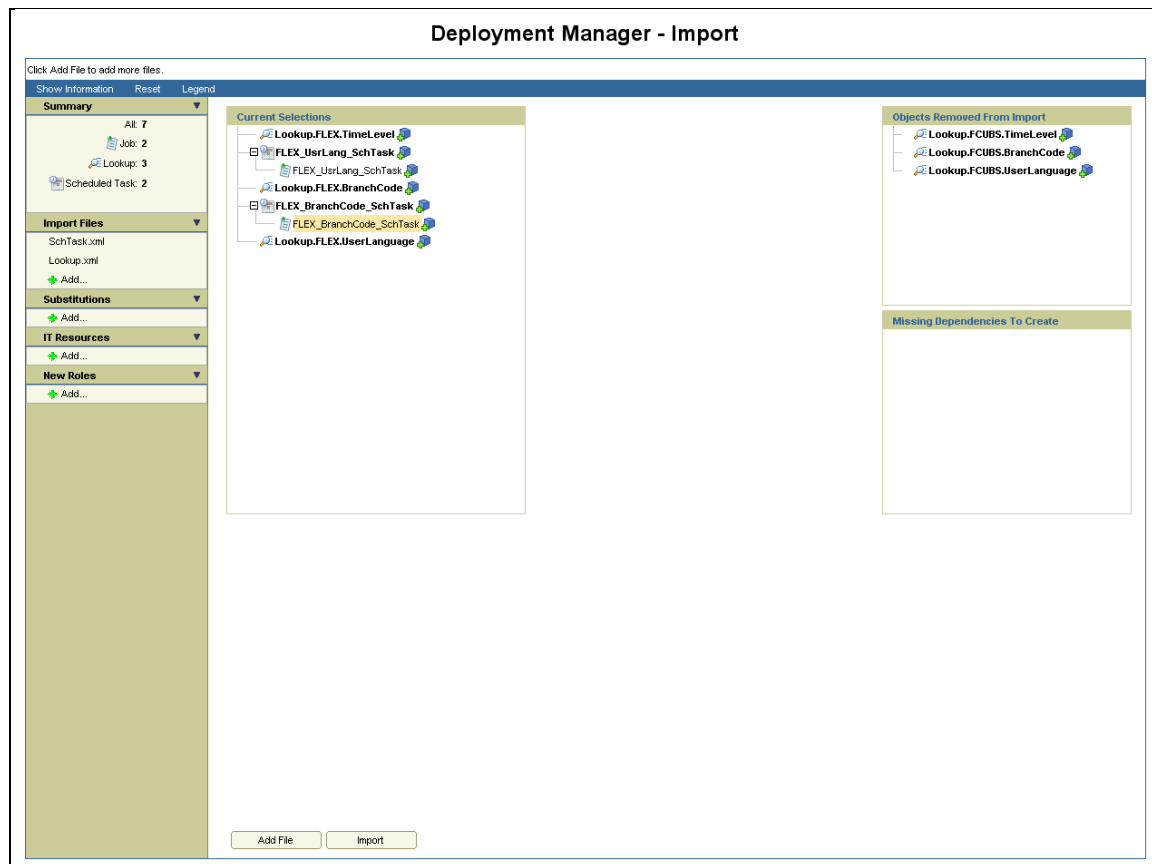


We will get File preview screen

16. Click on Add file.

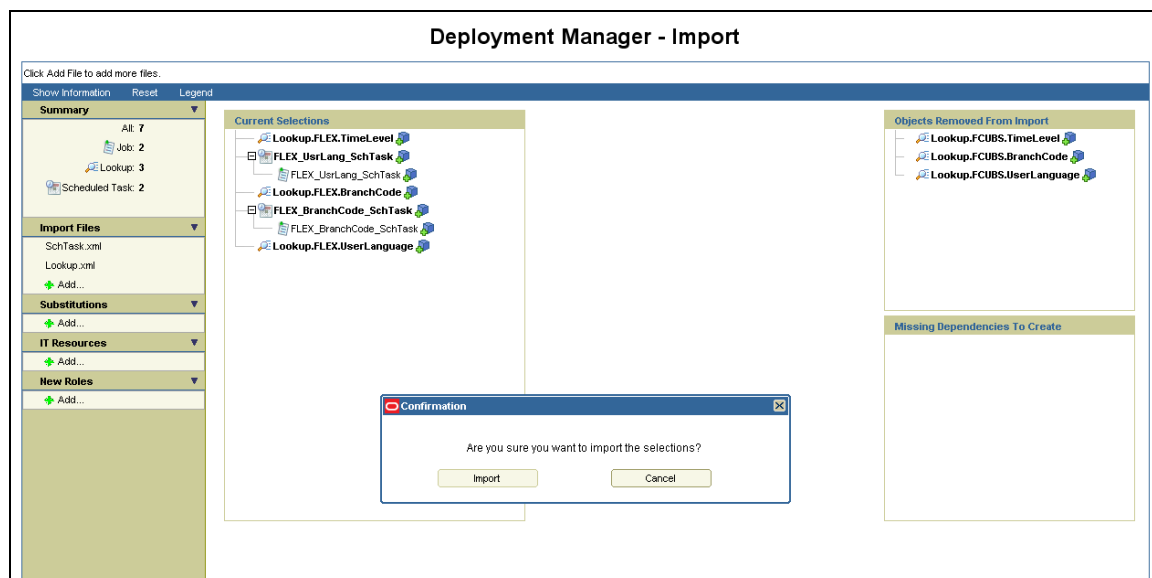


17. Click on Import.



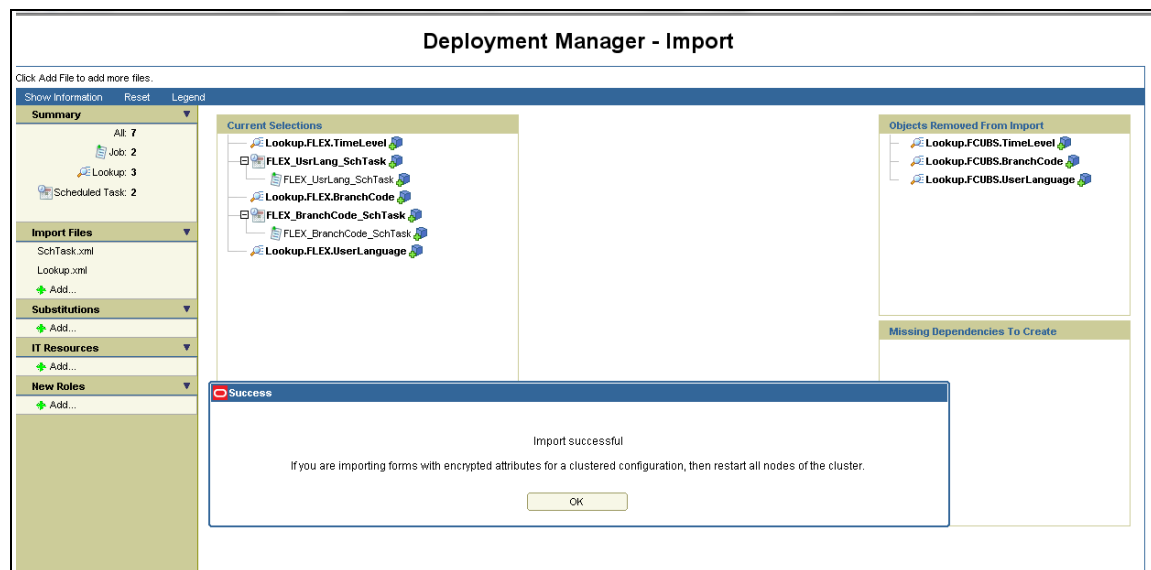
Above will prompt for Import Confirmation

18. Click on Import to start import.



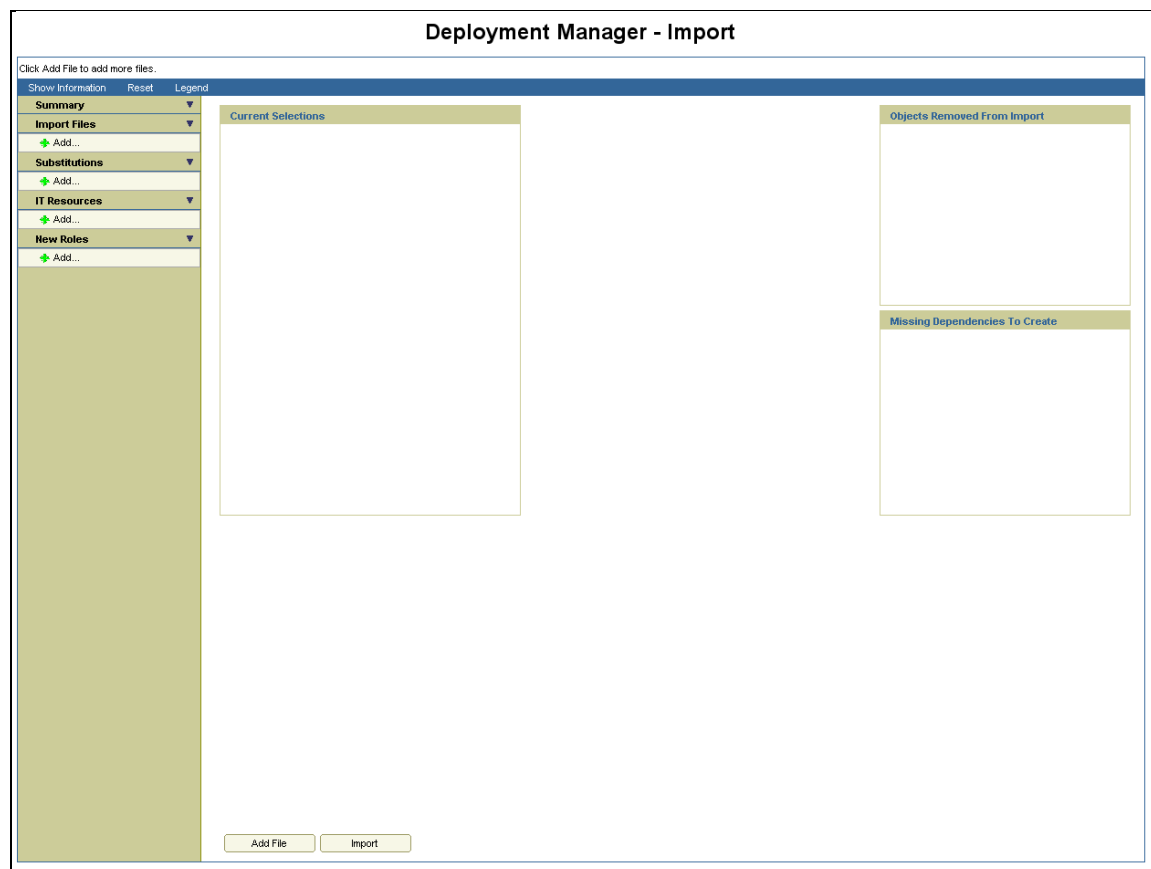
On successful import following screen will come.

19. Ensure that import is successful and click on ok.



The following screen will get displayed.

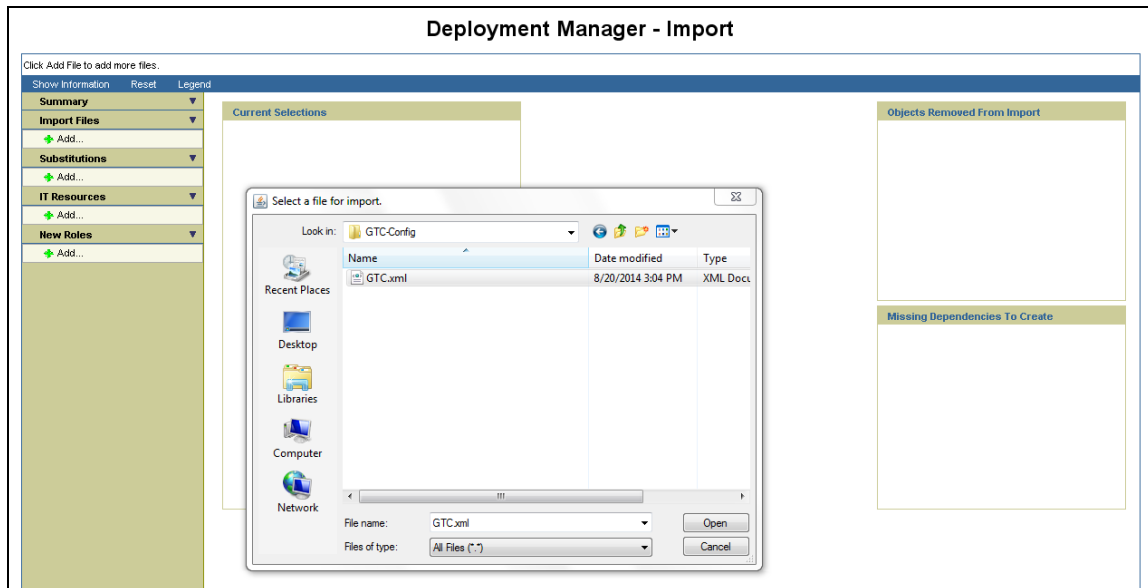
20. Click on Add File.



Open file window will get appeared.

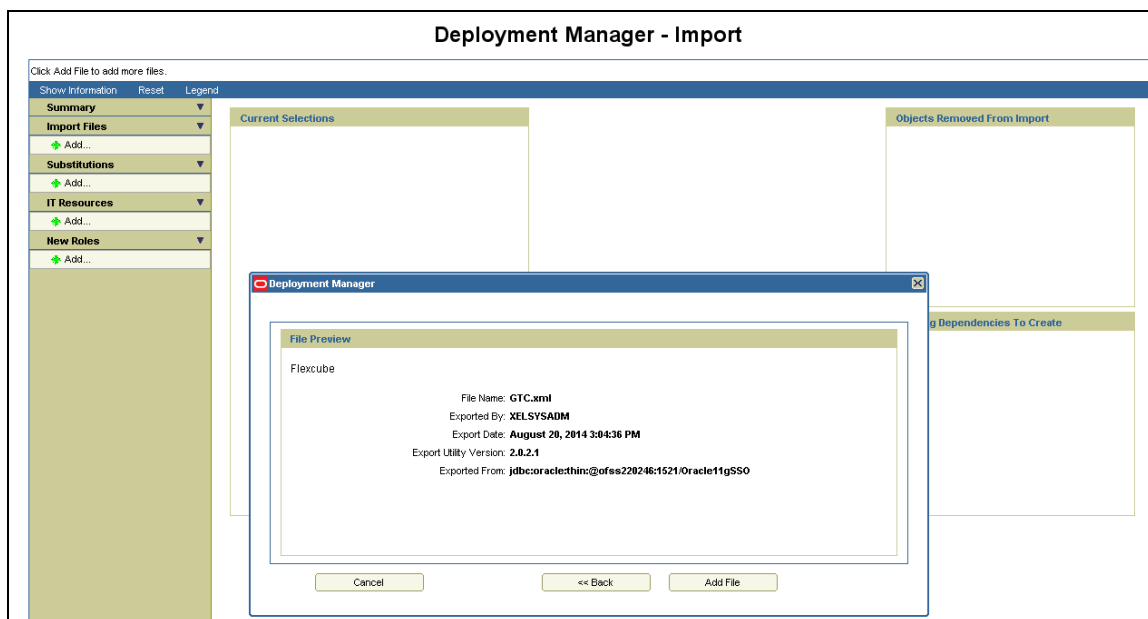
21. Select GTC.xml file from the folder <SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\GTC\.

22. Click on Open.



We will get File preview screen

23. Click on Add file.



Next screen will be the substitution screen.

24. If the GTC is imported first time then click on Next.

25. If GTC have been already imported once successfully, change the Version name for example
UD_FLEXCUBE Version = FLEXCUBE V2.

26. Click on Next.

The screenshot shows the 'Deployment Manager - Import' window. On the left is a sidebar with a tree view containing 'Summary', 'Import Files', 'Substitutions', 'IT Resources', and 'New Roles', each with an 'Add...' button. The main area is divided into three panes: 'Current Selections' (empty), 'Objects Removed From Import' (empty), and 'Missing Dependencies To Create' (empty). A 'Substitutions' dialog box is open in the center, titled 'Deployment Manager - Import'. It contains the text 'Provide the substitutions for the users/groups (Optional).' and a table with three columns: 'Type', 'Current Name', and 'New Name'. The table has five rows: 'Role' with 'SYSTEM ADMINISTRATORS', 'User' with 'XELSYSADM', 'UD_FLEXCUBE Version' with '2', 'Role' with 'SELF OPERATORS', and 'Role' with 'ALL USERS'. At the bottom of the dialog are 'Cancel Substitution' and 'Next' buttons.

Type	Current Name	New Name
Role	SYSTEM ADMINISTRATORS	
User	XELSYSADM	
UD_FLEXCUBE Version	2	
Role	SELF OPERATORS	
Role	ALL USERS	

Above will prompt for substitution Confirmation

27. If any value has been changed on previous screen it will list those substitution otherwise below screen will get displayed. Click on Next.

The screenshot shows the 'Deployment Manager - Import' window with the same sidebar and main panes as the previous image. A 'Confirmation' dialog box is open in the center, titled 'Confirmation'. It contains the text 'No Substitutions made. Click Back to go back and make substitutions.' At the bottom of the dialog are 'Cancel Substitution', '<< Back', and 'Next' buttons.

Next, Provide IT resource instance data screen will get displayed.

28. Ensure that the green arrow should point to FLEXCUBE_GTC.

29. Provide followings to the right hand table:

Parameter Name	Parameter Value
SPML_targetID	FLEXCUBE
SharedDrive_filePrefix	SMOIMHOFF
SharedDrive_stageDirParent	Full path of the staging folder created in step 4 of OIM setup Eg: /home/Oracle/Oracle/Middleware/FCUBS-OIM-Config/Staging
Webservices_webserviceURL	Provisioning web service FCUBSProvisioningAdService URL deployed in step .Typically it should be like https://<hostName>:<port>/FCUBSProvisioningAdService/FCUBSProvisioningAdServiceSEI Eg: https://ofss220223:14001/FCUBSProvisioningAdService/FCUBSProvisioningAdServiceSEI
SharedDrive_archiveDir	Full path of the archiving folder created in step 4 of OIM setup Eg: /home/Oracle/Oracle/Middleware/FCUBS-OIM-Config/Archive
SharedDrive_delimeter	, [Comma]
SharedDrive_uniqueAttrParent	USERID

30. Click on Next.

Deployment Manager - Import

Click Add File to add more files.

Show Information Reset Legend

Summary ▼

Import Files ▼

➤ Add...

Substitutions ▼

➤ Add...

IT Resources ▼

➤ Add...

New Roles ▼

➤ Add...

Current Selections

Objects Removed From Import

Missing Dependencies To Create

Deployment Manager

Provide IT Resource Instance Data.

FLEXCUBE_GTC

FLEXCUBE_GTC

<< New Instance >>

Parameter Name	Parameter Value
SPML_username	
SharedDrive_uniqueAttrParent	USERID
WebServices_webServiceURL	https://ofss220223-24001
SharedDrive_stageDirParent	/scratch/work_area/DEV/
SPML_targetID	FLEXCUBE
SharedDrive_archiveDir	/scratch/work_area/DEV/
SharedDrive_delimiter	,
SharedDrive_whetherTabDelimited	
SharedDrive_filePrefix	SMOIMHOFF
Timestamp	

Cancel IT Resource Modification << Back Skip Next

The following screen will get displayed.

31. Click on Skip.

The screenshot shows the 'Deployment Manager - Import' window. On the left is a sidebar with a tree view containing 'Summary', 'Import Files', 'Substitutions', 'IT Resources', and 'New Roles', each with an 'Add...' button. The main area is divided into three panes: 'Current Selections' (empty), 'Objects Removed From Import' (empty), and 'Missing Dependencies To Create' (empty). A modal dialog titled 'Deployment Manager' is open, prompting to 'Provide IT Resource Instance Data.' for 'FLEXCUBE_GTC'. It includes an 'Instance Name' field and a table of parameters:

Parameter Name	Parameter Value
SPML_userName	
SharedDrive_uniqueAttrParent	
WebServices_webServiceURL	
SharedDrive_stageDirParent	
SharedDrive_archiveDir	
SharedDrive_delimiter	
SharedDrive_whetherTabDelimited	
Timestamp	

Buttons at the bottom of the dialog include 'Cancel IT Resource Modification', '<< Back', 'Skip', and 'Next'.

A confirmation window for parameter values will get displayed.

32. Confirm the values and click on View Selections.

The screenshot shows the same 'Deployment Manager - Import' window. A modal dialog titled 'Confirmation' is open, displaying the message: 'Parameters have been provided for the following IT resources:'. Below this, a tree view shows 'FLEXCUBE_GTC' expanded, listing the following parameters and their values:

- SharedDrive_uniqueAttrParent: USERID
- Timestamp:
- SharedDrive_delimiter: ,
- SharedDrive_whetherTabDelimited:
- SPML_targetID: FLEXCUBE
- SharedDrive_fixedWidth:
- SPML_userPassword:

Buttons at the bottom of the dialog include 'Cancel IT Resource Modification', '<< Back', and 'View Selections'.

We will get Selection screen that will show all components of GTC.

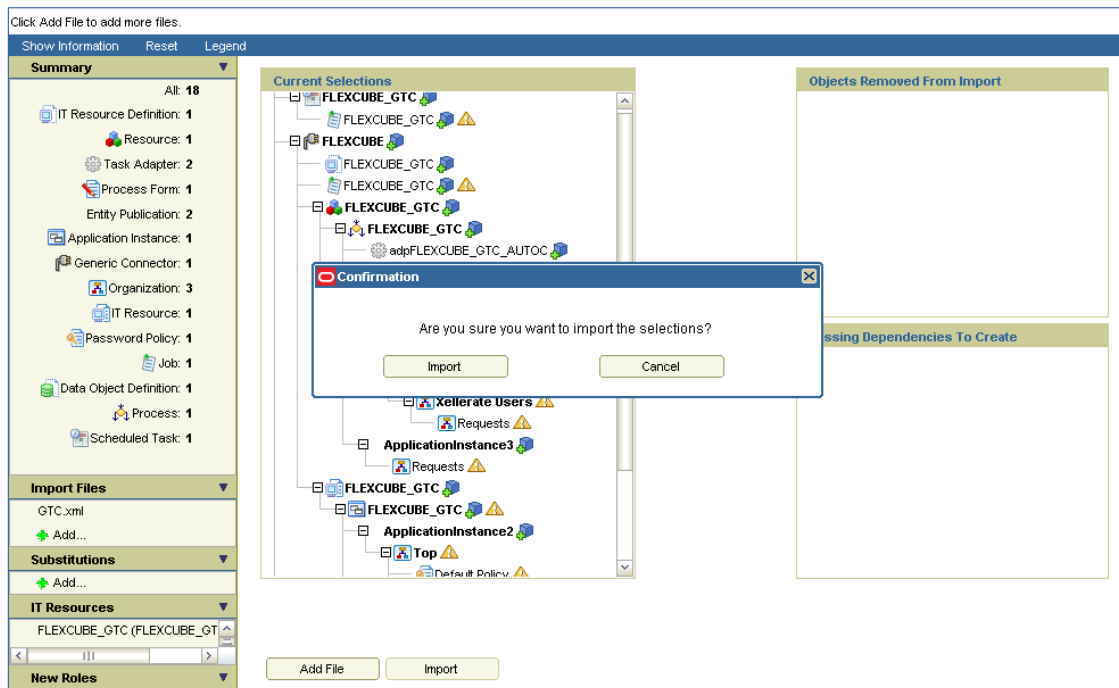
33. Make sure that there should be no items in Missing Dependencies to create box on right below of the screen. If so, probably some previous imports has been missed out or not imported successfully. Repeat the earlier imports again.

34. Otherwise click on Import.

Above will prompt for Import Confirmation

35. Click on Import to start import.

Deployment Manager - Import



Note: Import of GTC.xml may take more time as compare to other imports.

On successful import following screen will come.

36. Ensure that import is successful and click on ok.

Deployment Manager - Import

Click: Add File to add more files.

Show Information Reset Legend

Summary

All: 18

- IT Resource Definition: 1
- Resource: 1
- Task Adapter: 2
- Process Form: 1
- Entity Publication: 2
- Application Instance: 4
- General
- Pass
- Data Obj
- Scheduled Task: 1

Current Selections

- FLEXCUBE_GTC
- FLEXCUBE_GTC
- FLEXCUBE_GTC
- FLEXCUBE_GTC
- FLEXCUBE_GTC
- FLEXCUBE_GTC

Objects Removed From Import

Success

Import successful

If you are importing forms with encrypted attributes for a clustered configuration, then restart all nodes of the cluster.

OK

Import Files

GTC.xml

+ Add...

Substitutions

+ Add...

IT Resources

FLEXCUBE_GTC (FLEXCUBE_GT

< >

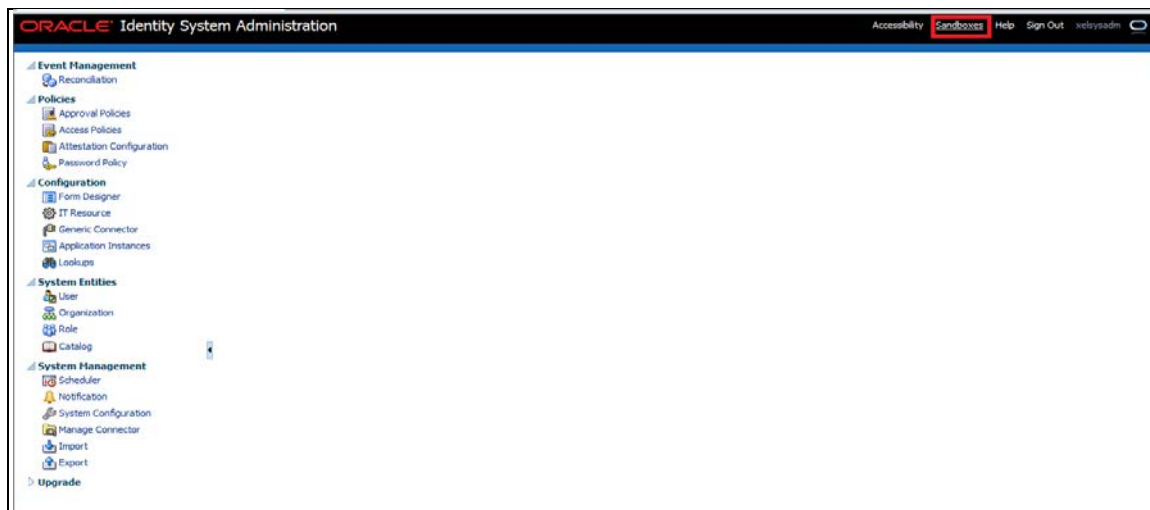
New Roles

Organization

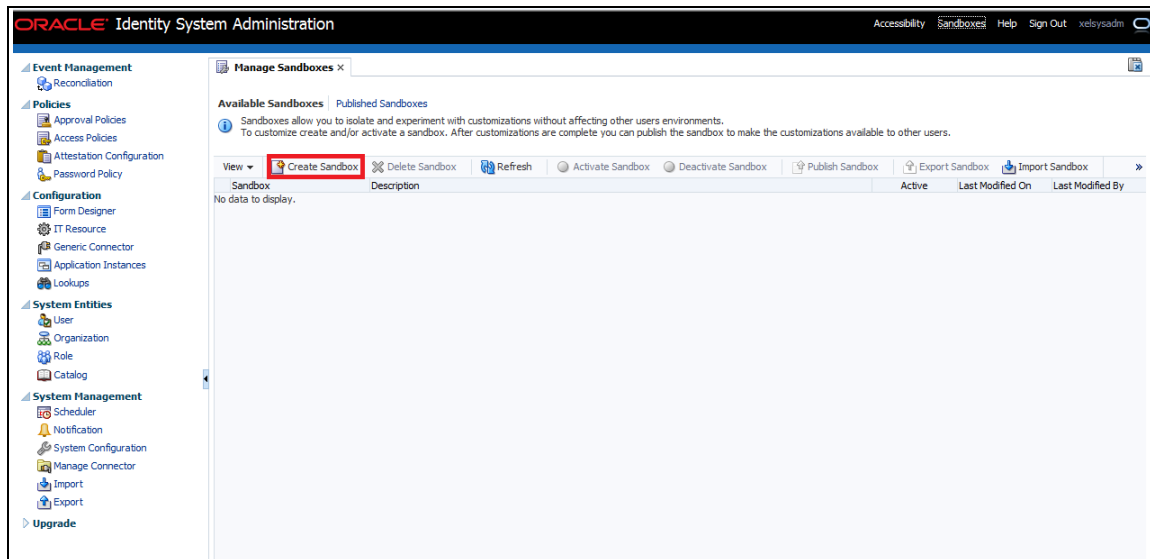
- Requests
- ApplicationInstance3
- Requests
- FLEXCUBE_GTC
- FLEXCUBE_GTC
- ApplicationInstance2
- Top
- Default Policy

Add File Import

37. Click on Sandboxes.



38. Click on Create Sandbox.



Enter the Below Details and Click on Save and Close.

39. Sandbox Name : FlexcubeSandbox

40. Sandbox Description : FlexcubeSandbox

ORACLE Identity System Administration

AccessibilitySandboxesHelpSign Outxelsysadm

Event Management

Reconciliation

Policies

Approval Policies

Access Policies

Attestation Configuration

Password Policy

Configuration

Form Designer

IT Resource

Generic Connector

Application Instances

Lookups

System Entities

User

Organization

Role

Catalog

System Management

Scheduler

Notification

System Configuration

Manage Connector

Import

Manage Sandboxes x

Available SandboxesPublished Sandboxes

Sandboxes allow you to isolate and experiment with customizations without affecting other users environments.

To customize create and/or activate a sandbox. After customizations are complete you can publish the sandbox to make the customizations available to other users.

View

Create Sandbox

Delete Sandbox

Refresh

Activate Sandbox

Deactivate Sandbox

Publish Sandbox

Export Sandbox

Import Sandbox

»

SandboxDescription

No data to display.

ActiveLast Modified OnLast Modified By

Create Sandbox

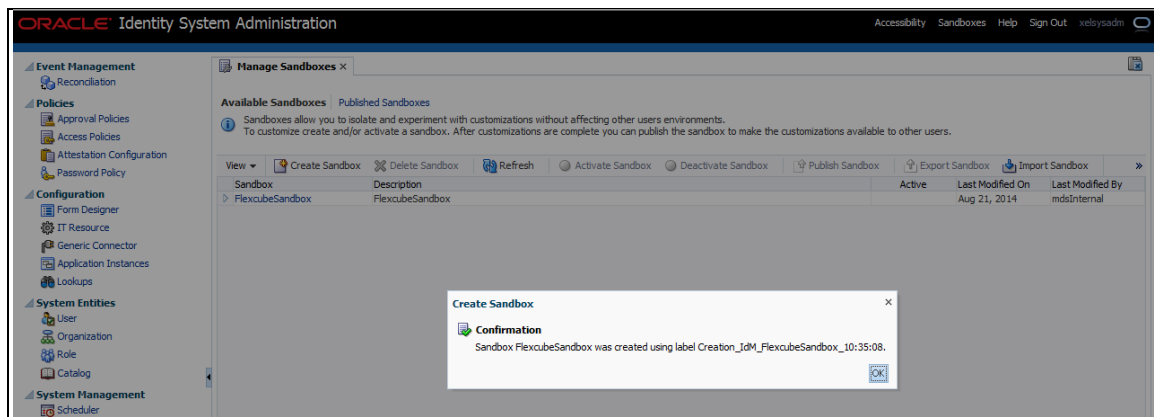
* Sandbox NameFlexcubeSandbox

Sandbox DescriptionFlexcubeSandbox

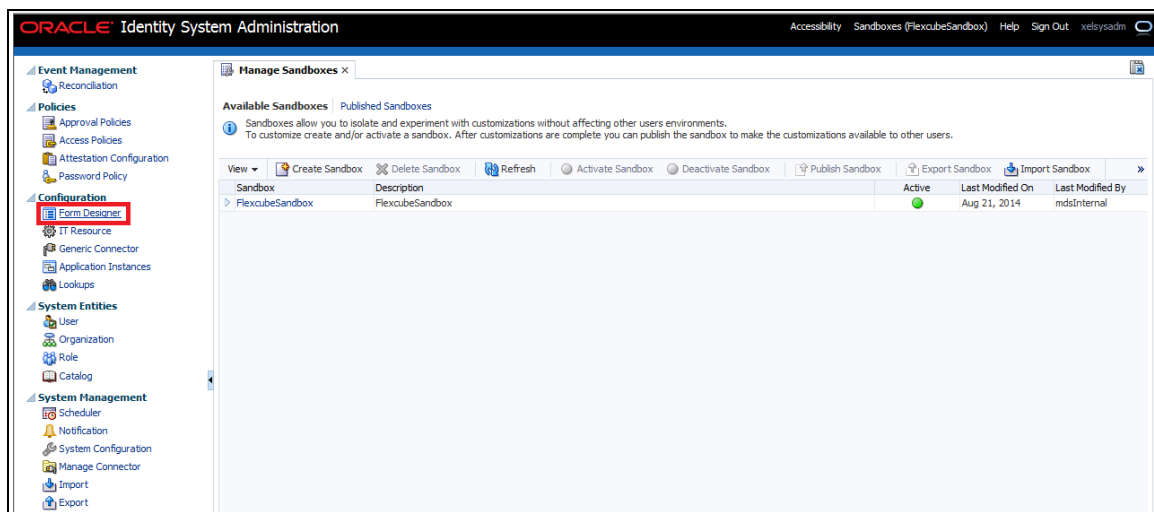
Activate Sandbox☒

Save and CloseCancel

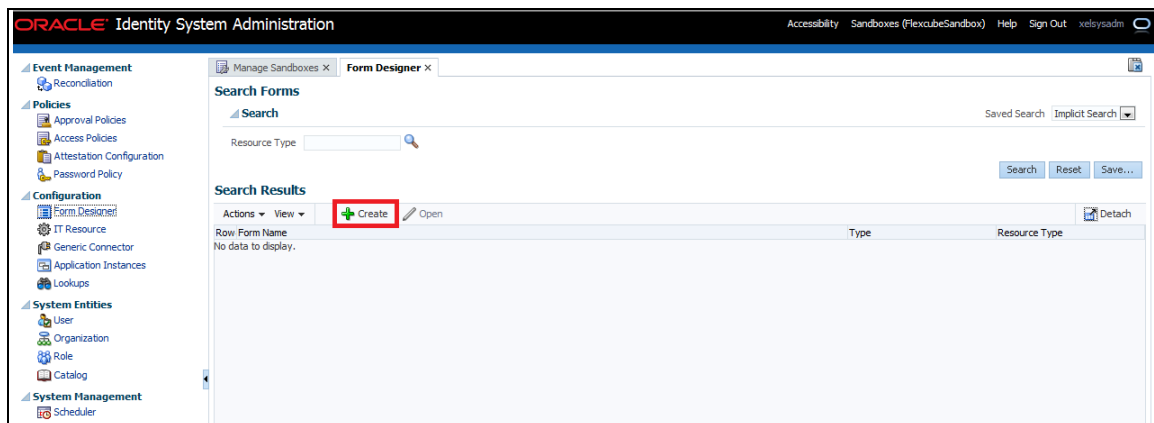
41. Click on Ok.



42. Click on Form Designer.



43. Click on Create



44. Enter the below details and Click on Create

- Resource Type : FLEXCUBE_GTC
- Form Name : FlexcubeForm

Note*: Form Name should be same as above

Available form fields

#	Display Name	Name	Description	Bulk Update
1	containerID	UD_FLEXCUBE_CONTAINERID	containerID	<input type="checkbox"/>
2	objectclass	UD_FLEXCUBE_OBJECTCLASS	objectclass	<input type="checkbox"/>
3	ID	UD_FLEXCUBE_ID	ID	<input type="checkbox"/>
4	USERID	UD_FLEXCUBE_USERID	USERID	<input type="checkbox"/>
5	USERNAME	UD_FLEXCUBE_USERNAME	USERNAME	<input type="checkbox"/>
6	USERPASSWORD	UD_FLEXCUBE_USERPASSWORD	USERPASSWORD	<input type="checkbox"/>
7	HOMEBRANCH	UD_FLEXCUBE_HOMEBRANCH	HOMEBRANCH	<input type="checkbox"/>
8	USERLANGUAGE	UD_FLEXCUBE_USERLANGUAGE	USERLANGUAGE	<input type="checkbox"/>
9	TIMELEVEL	UD_FLEXCUBE_TIMELEVEL	TIMELEVEL	<input type="checkbox"/>
10	STARTDATE	UD_FLEXCUBE_STARTDATE	STARTDATE	<input type="checkbox"/>
11	EMAIL	UD_FLEXCUBE_EMAIL	EMAIL	<input type="checkbox"/>
12	LDAPUSR	UD_FLEXCUBE_LDAPUSR	LDAPUSR	<input type="checkbox"/>
13	IT Resource2	UD_FLEXCUBE_IT_RES	IT Resource2	<input type="checkbox"/>

Successful form creation will be like below:

Search Forms

Resource Type:

Search Results

Actions:

Row	Form Name	Type	Resource Type
No data to display.			

45. Click on Application Instances.

ORACLE Identity System Administration

AccessibilitySandboxes (FlexcubeSandbox)HelpSign Outxelsysadm

Form created successfully

Event Management

Reconciliation

Policies

Approval Policies

Access Policies

Attestation Configuration

Password Policy

Configuration

Form Designer

IT Resource

Generic Connector

Application Instances

Lookups

System Entities

User

Organization

Role

Catalog

System Management

Scheduler

Notification

System Configuration

Manage Connector

Import

Export

Upgrade

Manage Sandboxes XForm Designer X

Search Forms

Search

Resource Type

Saved SearchImplicit Search

SearchResetSave...

Search Results

ActionsViewCreateOpenDetach

RowForm NameTypeResource Type

No data to display.

46. Click on Search.

The screenshot shows the Oracle Identity System Administration interface. The left sidebar contains a navigation menu with categories like Event Management, Policies, Configuration, System Entities, and System Management. The main content area is titled 'Search Application Instances'. It features a search section with a 'Match' dropdown set to 'All' and three input fields for 'Resource Object', 'Display Name', and 'IT Resource Instance', each with a 'Starts with' dropdown. Below these fields are buttons for 'Search', 'Reset', 'Save...', and 'Add Fields'. The 'Search' button is highlighted with a red box. Below the search section is a 'Search Results' table with columns: Row, Display Name, Description, Resource Object, and IT Resource Instance. The table currently shows 'No data to display'.

47. Click on FLEXCUBE_GTC.

The screenshot shows the same Oracle Identity System Administration interface as before, but now the search results table contains one row. The row is highlighted with a red box and has the following values: Row: 1, Display Name: FLEXCUBE_GTC, Description: FLEXCUBE_GTC, Resource Object: FLEXCUBE_GTC, and IT Resource Instance: FLEXCUBE_GTC.

Row	Display Name	Description	Resource Object	IT Resource Instance
1	FLEXCUBE_GTC	FLEXCUBE_GTC	FLEXCUBE_GTC	FLEXCUBE_GTC

48. Choose the Form as FlexcubeForm and Click on Apply.

ORACLE Identity System Administration

AccessibilitySandboxes (FlexcubeSandbox)HelpSign Outxelsysadm

Event Management

Reconciliation

Policies

Approval Policies

Access Policies

Attestation Configuration

Password Policy

Configuration

Form Designer

IT Resource

Generic Connector

Application Instances

Lookups

System Entities

User

Organization

Role

Catalog

System Management

Scheduler

Notification

System Configuration

Manage Connector

Manage Sandboxes xForm Designer xApplication Instances xFLEXCUBE_GTC x

Application Instance: FLEXCUBE_GTC

AttributesOrganizationsEntitlements

*Required Field

Apply

Revert

Name

FLEXCUBE_GTC

* Display Name

FLEXCUBE_GTC

Description

FLEXCUBE_GTC

Resource Object

FLEXCUBE_GTC

IT Resource Instance

FLEXCUBE_GTC

Form

FlexcubeForm

Parent Appliance

FlexcubeForm

On Successful modification will be shown like below:

Oracle Identity System Administration

Application Instance: FLEXCUBE_GTC

Attributes | Organizations | Entitlements

*Required Field [Apply] [Revert]

Name: FLEXCUBE_GTC

*Display Name: FLEXCUBE_GTC

Description: FLEXCUBE_GTC

Resource Object: FLEXCUBE_GTC

IT Resource Instance: FLEXCUBE_GTC

Form: FlexcubeForm [Edit] [Refresh]

Parent App Instance:

Application Instance belongs to the following Organizations

Note: In case provisioning has to be applied for different Organizations then Create the Organizations under System Entities and map those Organizations to the Application Instance.

Oracle Identity System Administration

Application Instance: FLEXCUBE_GTC

Attributes | Organizations | Entitlements

Organizations to which this application instance is available to are shown below.

Actions: View, Assign, Revoke, Refresh, Detach

Row	Organization Name	Type	Hierarchy aware
1.	Top	System	<input checked="" type="checkbox"/> include sub-orgs
2.	Requests	System	<input checked="" type="checkbox"/> include sub-orgs

49. Select and click on Publish Sandbox.

Oracle Identity System Administration

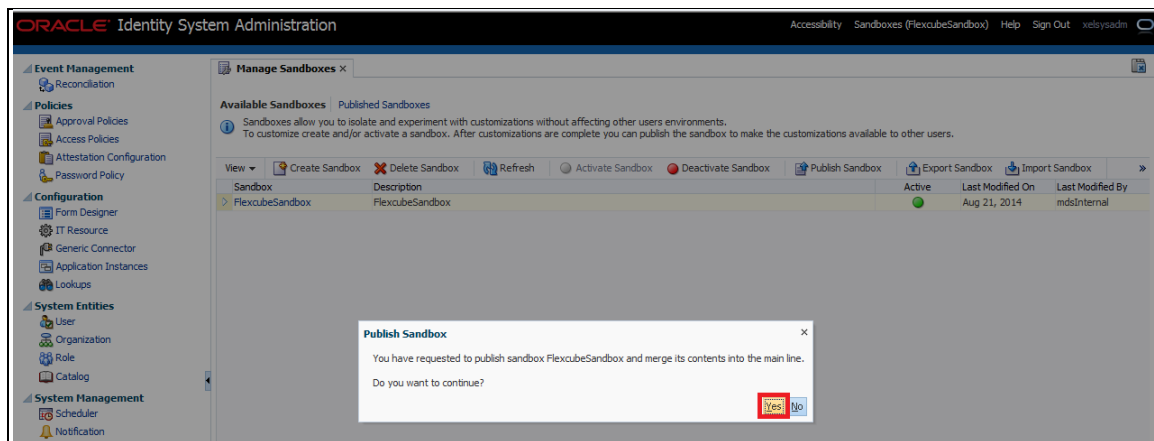
Manage Sandboxes

Available Sandboxes | Published Sandboxes

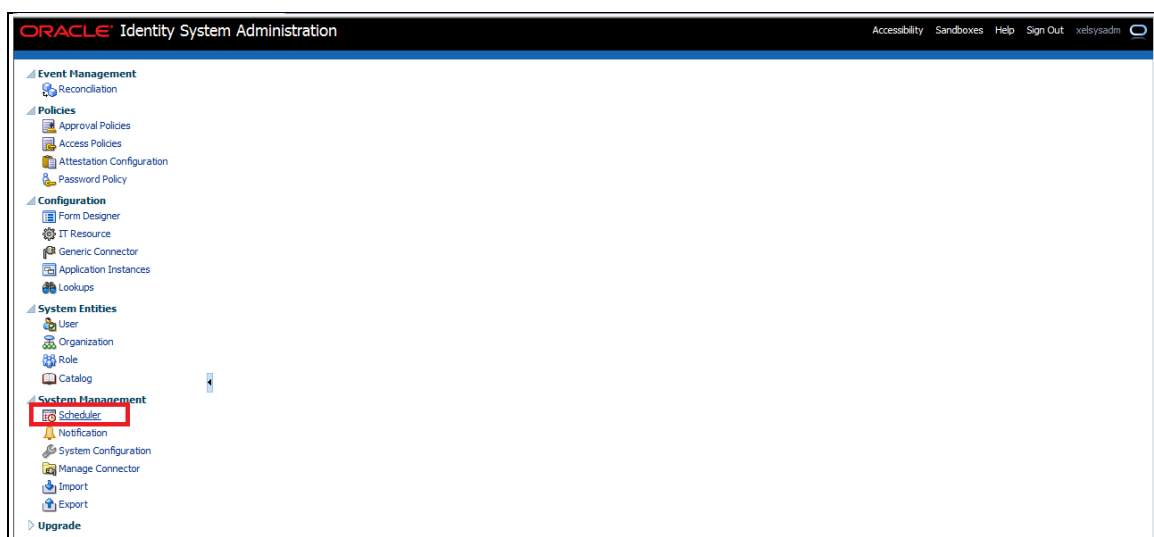
Sandboxes allow you to isolate and experiment with customizations without affecting other users environments. To customize create and/or activate a sandbox. After customizations are complete you can publish the sandbox to make the customizations available to other users.


View, Create Sandbox, Delete Sandbox, Refresh, Activate Sandbox, Deactivate Sandbox, Publish Sandbox, Export Sandbox, Import Sandbox

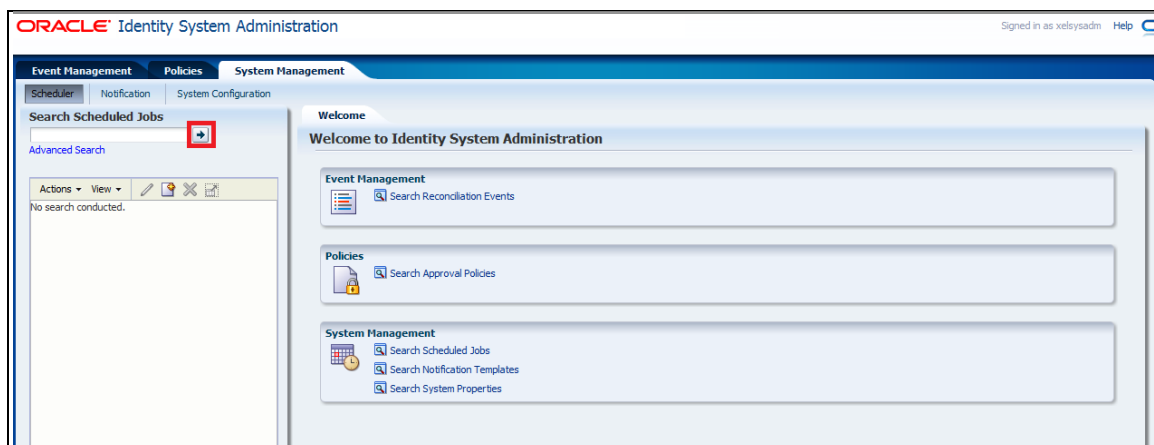
Sandbox	Description	Active	Last Modified On	Last Modified By
FlexcubeSandbox	FlexcubeSandbox	<input checked="" type="checkbox"/>	Aug 21, 2014	mdsInternal



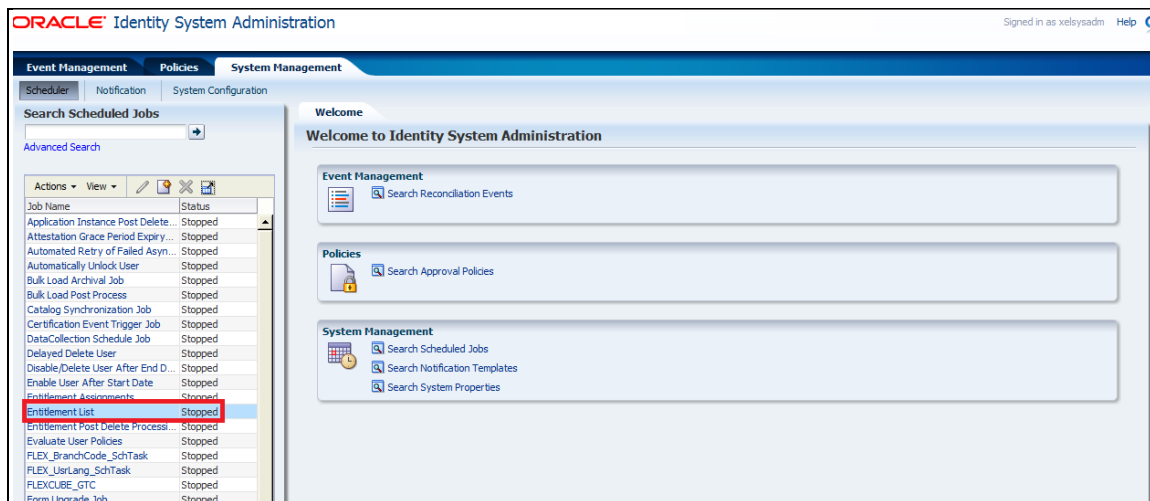
50. Click on Scheduler under System Management.



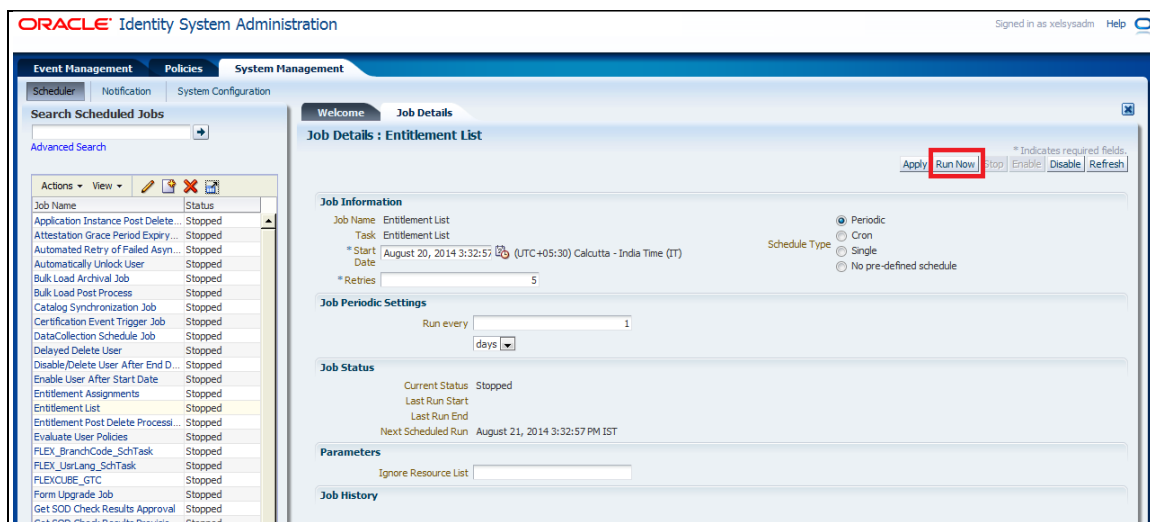
51. Click on  to Search for Scheduled Job List.



52. Click on Entitlement List



53. Click on Run.

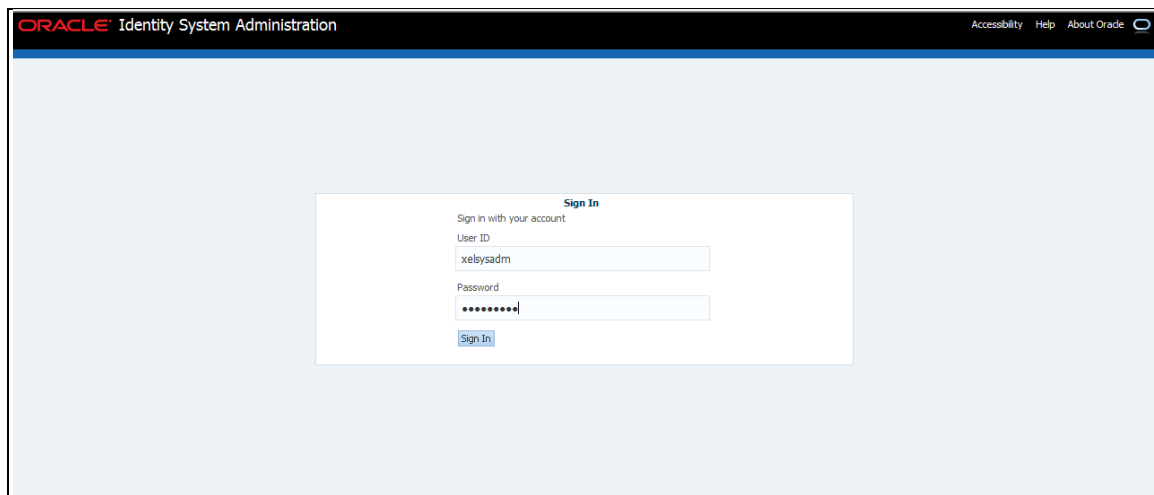


5.1.5.1.1 Schedule Task Setup

This step involves setting up Schedule task parameters.

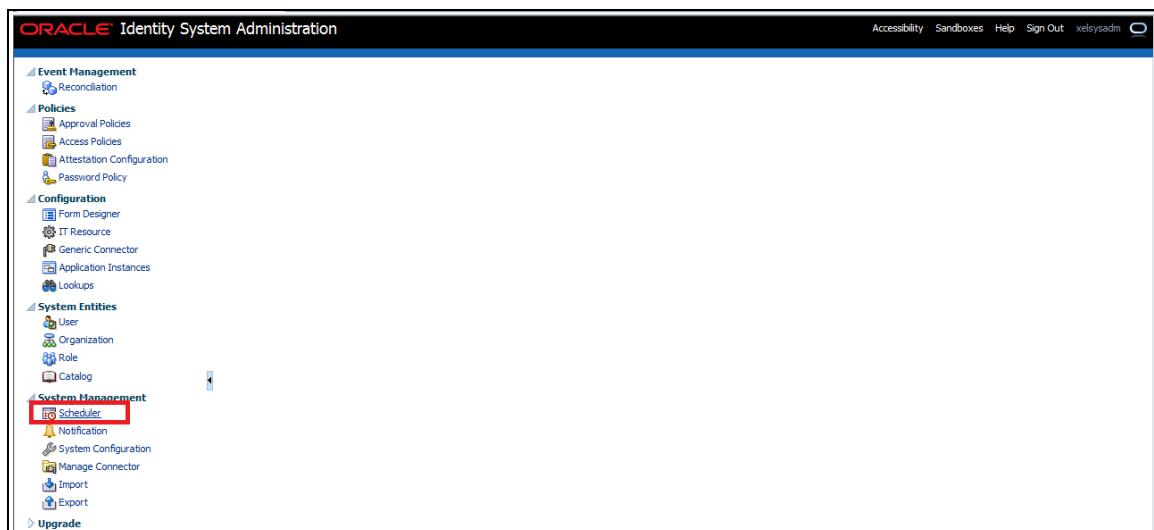
1. Open the Oracle Identity Manager Administrative console. (Give the following URL in the browser: <http://<hostname>:<oimport>/sysadmin>)


2. Enter OIM administrator username/password and press Login.

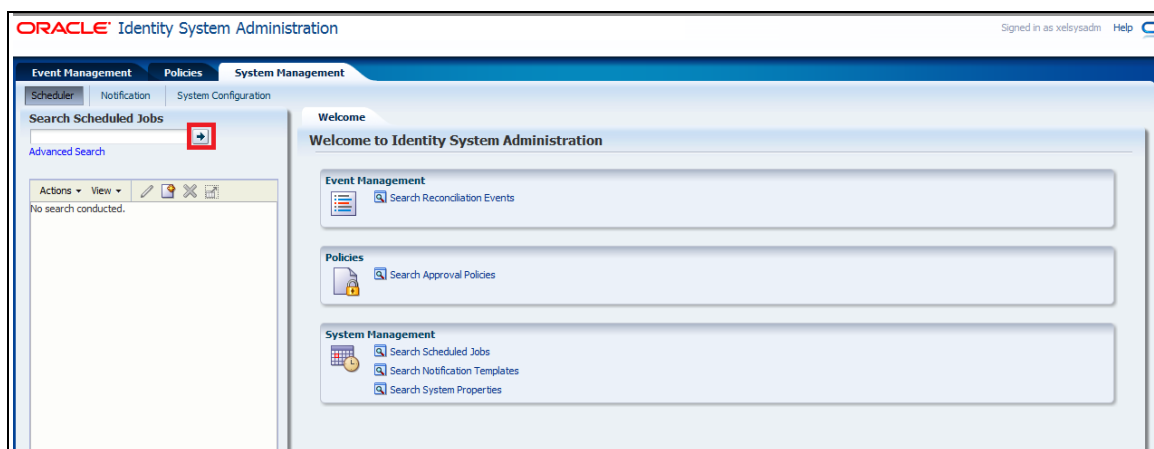


The screenshot shows the Oracle Identity System Administration web interface. At the top, there is a header with the Oracle logo and the text "Identity System Administration". On the right side of the header, there are links for "Accessibility", "Help", and "About Oracle". The main content area is a light blue background with a central white box titled "Sign In". Inside this box, there is a prompt "Sign in with your account" followed by two input fields: "User ID" with the text "xelsysadm" and "Password" with masked characters "*****". Below the password field is a blue "Sign In" button.

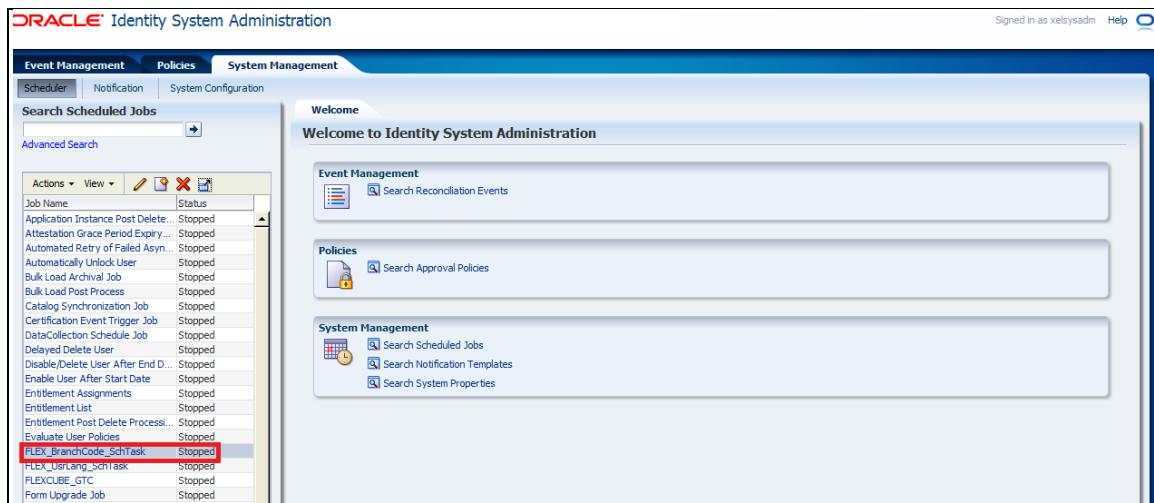
3. Click on Scheduler under System Management.



4. Click on  to Search for Scheduled Job List.



5. Click on FLEX_BranchCode_SchTask.



6. On the Edit Schedule Task screen.

- WebService Url : FCUBSLOVAdService deployed in section [5.1.4.2.1](#)

`https://<hostname>:<ssl_oimport>/FCUBSLOVAdService/FCUBSLOVAdServiceSEI`

- Query :

FCIS :

`select branch_code||'~'||branch_code from sttm_branch order by branch_code`

FCIS :

`select moduleid||'~'||moduleid from moduleprofilebasetbl where once_auth='Y' order by moduleid`

- Click on Apply and Click on Run.

Event Management Policies System Management

Scheduler Notification System Configuration

Search Scheduled Jobs

Advanced Search

Actions View

Job Name Status

Application Instant... Stopped

Attestation Grace... Stopped

Automated Retry... Stopped

Automatically Unlo... Stopped

Bulk Load Archival... Stopped

Bulk Load Post Pro... Stopped

Catalog Synchroni... Stopped

Certification Event... Stopped

DataCollection Sch... Stopped

Delayed Delete User Stopped

Disable/Delete Use... Stopped

Enable User After... Stopped

Entitlement Assign... Stopped

Entitlement List Stopped

Entitlement Post D... Stopped

Evaluate User Polic... Stopped

FLEX_BranchCode... Stopped

FLEX_UsrLang_Sch... Stopped

FLEXURE_GTC Stopped

Form Upgrade Job Stopped

Get SOD Check Re... Stopped

Get SOD Check Re... Stopped

Initiate Attestation... Stopped

Issue Audit Messa... Stopped

Job History Archival Stopped

LDAPSync Post En... Stopped

LDAPSync Post En... Stopped

LDAPSync Post En... Stopped

New Scheduled B...

Welcome Job Details

Job Details : FLEX_BranchCode_SchTask

Apply Run Now Stop Enable Disable Refresh

* Indicates required fields.

Job Information

Job Name FLEX_BranchCode_SchTask

Task FLEX_BranchCode_SchTask

* Retries 0

Scheduled job information

Periodic

Cron

Single

No pre-defined schedule

Job Status

Current Status Stopped

Last Run Start August 21, 2014 1:08:05 PM IST

Last Run End August 21, 2014 1:08:06 PM IST

Next Scheduled Run

Parameters

Lookup Name Lookup.FLEX.BranchCode

OIM Country US

OIM Language en

WebService Name FCUBSLOVAdService

WebService Namespace http://lovservice.ws.oim.integration

WebService Operation lookup

Query select distinct moduledid[?~?]|module

WebService Url https://10.184.133.175:24001/FCU

Job History

Actions View Show error details

Start Time	End Time	Job Status	Execution Status
August 21, 2014 1...	August 21, 2014 1...	Stopped	Success
August 21, 2014 1...	August 21, 2014 1...	Stopped	Success
August 21, 2014 1...	August 21, 2014 1...	Stopped	Success

7. Modify FLEX_UsrLang_SchTask job

- WebService Url : FCUBSLOVAdService deployed in section 5.1.4.2.1

`https://<hostname>:<ssl_oimport>/FCUBSLOVAdService/FCUBSLOVAdServiceSEI`

- Click on Apply and Click on Run.

The screenshot displays the Oracle Identity System Administration interface. The top navigation bar includes 'Event Management', 'Policies', and 'System Management'. The 'System Management' tab is active, showing a 'Scheduler' sub-tab. On the left, a 'Search Scheduled Jobs' section contains an 'Advanced Search' button and a list of jobs. The 'FLEX_UsrLang_SchTask' job is selected and highlighted. The main panel shows the 'Job Details' for this job. At the top right of the details panel, there are buttons: 'Apply' (highlighted with a red box), 'Run Now' (highlighted with a red box), 'Stop', 'Enable', 'Disable', and 'Refresh'. Below these buttons, the 'Job Information' section shows the job name 'FLEX_UsrLang_SchTask' and task 'FLEX_UsrLang_SchTask'. The 'Job Status' section indicates the current status is 'Stopped', with the last run start and end times as 'August 21, 2014 1:09:17 PM IST'. The 'Parameters' section contains several fields: 'Lookup Name' (Lookup.FLEX.UserLanguage), 'WebService Name' (FCUBSLOVAdService), 'WebService Namespace' (http://ovservice.ws.oim.integration), 'WebService Operation' (lookup), 'WebService Url' (https://10.184.133.175:24001/FCU...), 'OIM Country' (US), 'OIM Language' (en), and a 'Query' (select LANG_CODE||'~'||LANG_COD). The 'Job History' section is empty.

5.1.6 System Configurations

5.1.6.1 Integration Specific Configurations

5.1.6.1.1 FCIS Configurations

On FCIS side following configurations need to be done:

- Maintenance of Maker ID
- Maintenance of External Source

Both configurations can be done using FCJ provided screens.

1. Maintenance of Maker ID

The FCJ screen can be open through Security Maintenance >> Users >> Detailed menu or using the function SMDUSRDF.

2. Maintenance of External Source

For OIM request and response handling, an external source should be maintained in FCIS database.

The FCJ screen can be open through Gateway >> External System >> Detailed menu or using the function 'GWDEXSYS'.

This external source should be able to do all operations like Create	Modify	Close	Open	View. This can be maintained through function GWDEXFUN or through Gateway >> External System Functions >> Detailed. Required actions and their corresponding details are given as below.
--	--------	-------	------	--

Action	Function	Service Name	Operation Code
NEW	SMGUSRDF	FCISSMService	CreateUserMaint
UNLOCK	SMGUSRDF	FCISSMService	ModifyUserMaint
DELETE	SMGUSRDF	FCISSMService	DeleteUserMaint
CLOSE	SMGUSRDF	FCISSMService	CloseUserMaint
REOPEN	SMGUSRDF	FCISSMService	ReopenUserMaint
VIEW	SMQUSRDF	FCISSMService	QueryUserMaint

Ensure that required maintenance has been done for function CODSORCE (Gateway >> Source>>

Detailed) and for function CODUPLDM (Gateway >> Source Preferences >> Detailed menu).

For maintenance of amendable fields in GWTM_AMEND_NODES and GWTM_AMEND_FIELDS entries can be made using the function STDAMDMT or through Gateway >> Amendment Maintenance >> Detailed. Following table gives the amendable node and fields details that should be maintained.

Field Name	Value
Amend Nodes section	
Node Name	SMTB_USER
New Allowed	Checked
Delete Allowed	Checked
All Records	Checked
Amend Fields section	
Field Name	HOME_BRANCH
Field Name	START_DATE
Field Name	TIME_LEVEL
Field Name	USER_LANGUAGE
Field Name	USER_NAME
Field Name	USER_PASSWORD
Field Name	SALT

5.1.6.2 **OIM Configurations**

OID Connector Configuration

For FLEXCUBE single sign on mode, the provisioning process consist of user creation in underlying LDAP directory and then provsioining into FLEXCUBE. OIM porvides out of box connectors for LDAP directorires. This connectors provides facility to connect with LDAP and to do the operation through OIM console.

In this integration, the underlying directory for Oracle access manager is Oracle Internet Directory. OIM porvides out of box connector for it that need to be imported as the connector document provided by OIM. After import, following steps should be followed :

1. Login to the Design Console.

Oracle Identity Manager Design Cons _ x

Welcome To






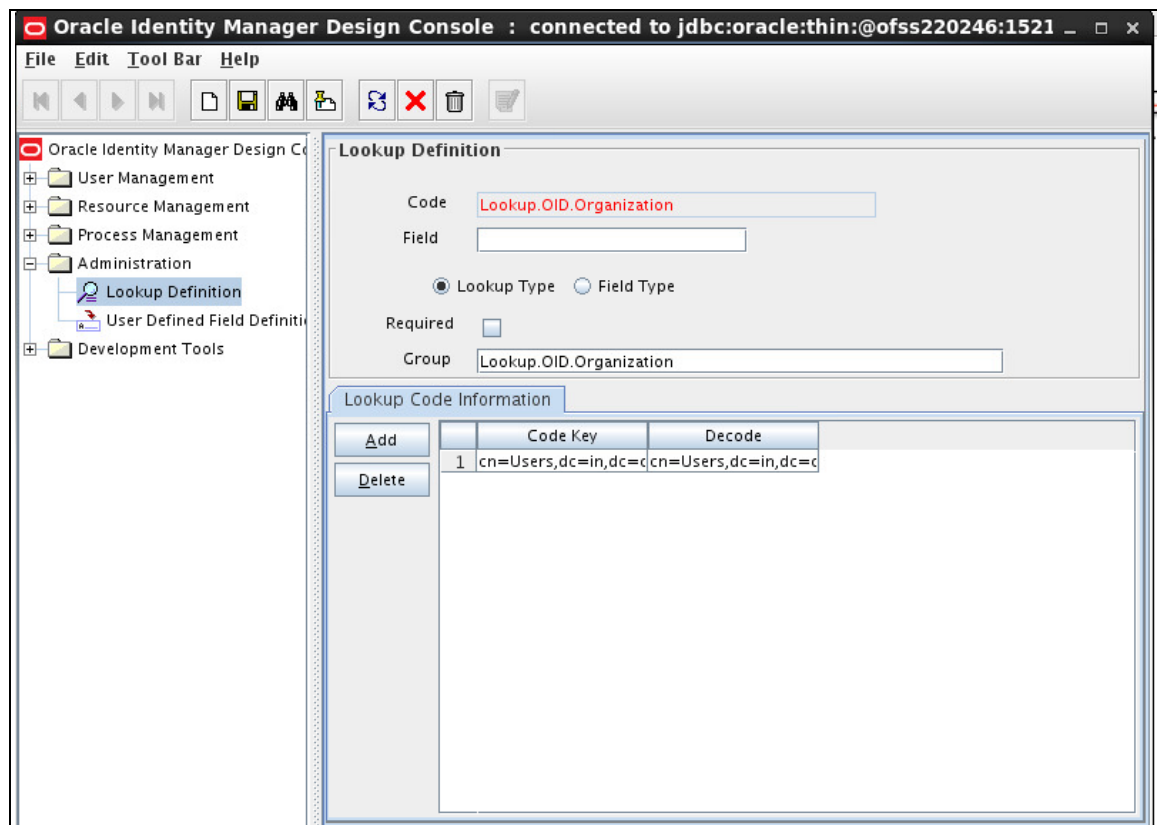
Oracle Identity Manager
Design Console



User ID

Password

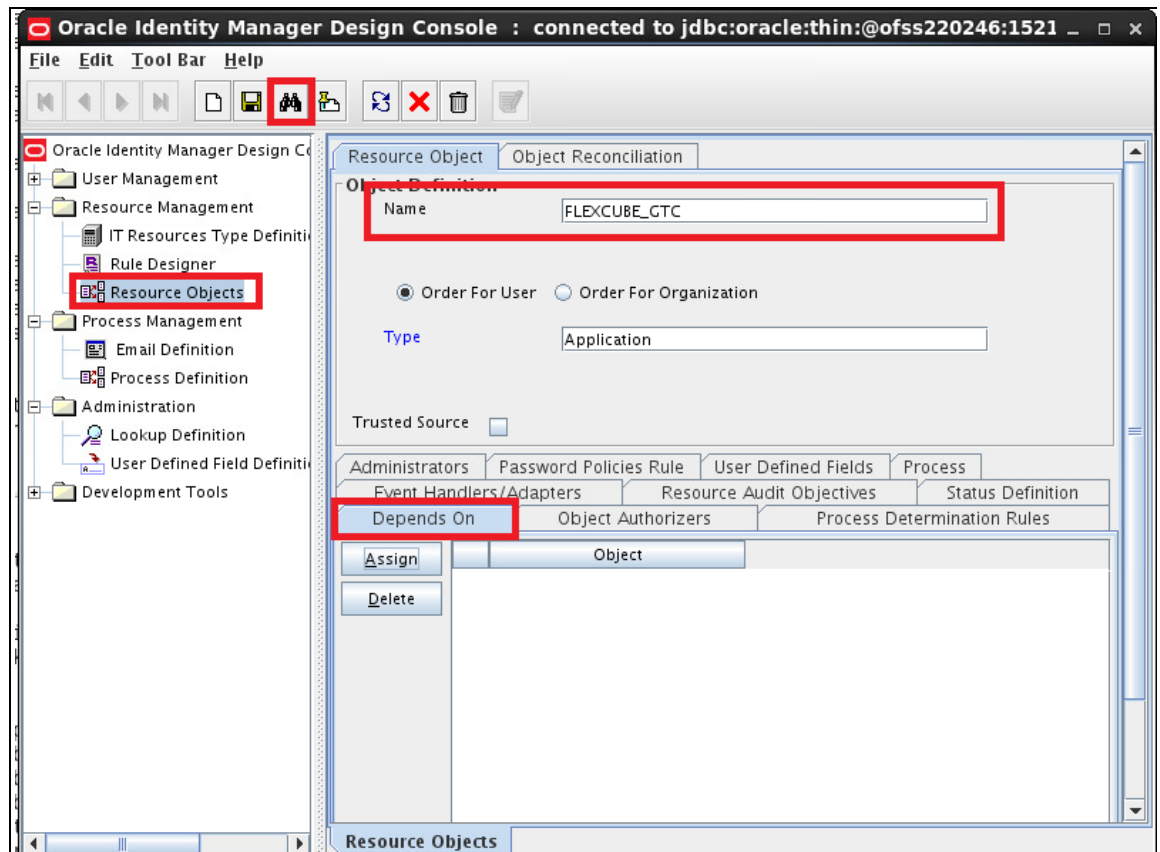
Version 11.1.2.2.0.0.0

2. Navigate to the Administration>>Lookup Definition menu
3. Enter the below details:
 - Code: Lookup.OID.Organization
 - Click on **Search**  Icon
 - Click on **Add**  button
 - Enter the below details:
 - Code Key : cn=Users,dc=in,dc=oracle,dc=com
 - Decode : cn=Users,dc=in,dc=oracle,dc=com
4. Click on Save .

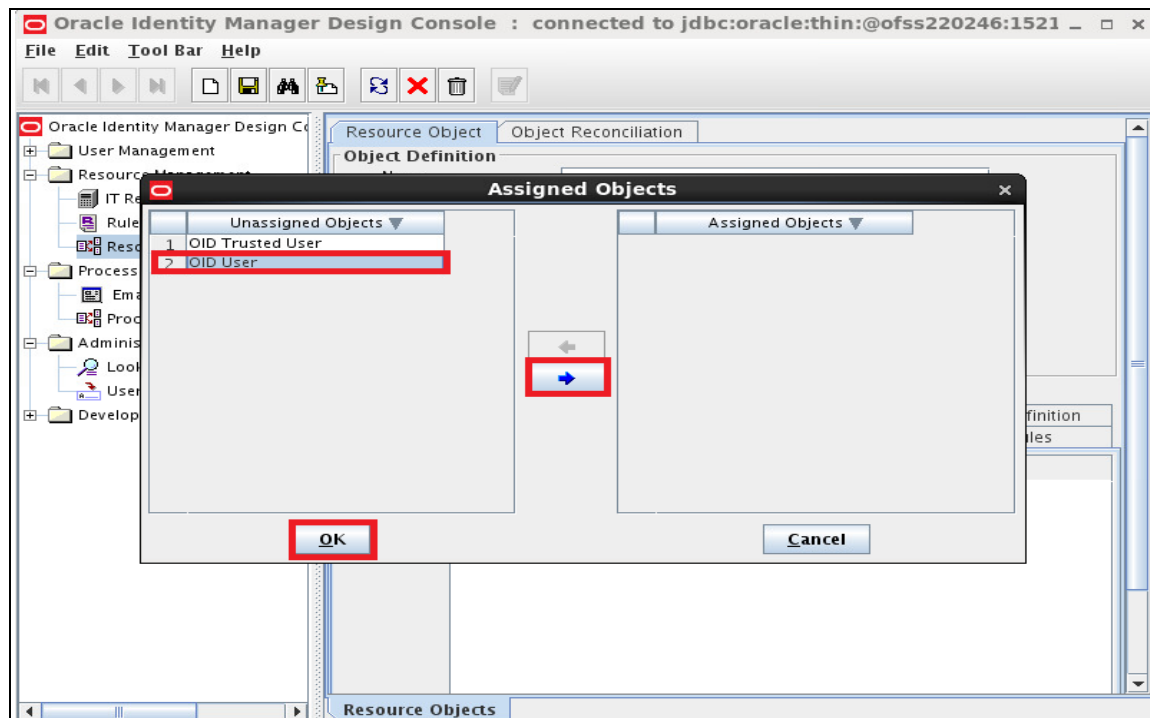


5. Navigate to the Administration>>Lookup Definition menu
6. Enter the below details:
 - Code: Lookup.OID.UM.ProvAttrMap
 - Click on Search  Icon
 - Modify the Decode value for Code Key Name:
 - From : __NAME__="uid=\${User_ID},\${Container_DN}"
 - To : __NAME__="cn=\${User_ID},\${Container_DN}"
7. Click on Save .

8. Navigate to the Resource Management>>Resource Objects menu. This will open a blank screen.
9. Enter FLEXCUBE_GTC in Name box.
10. Click on Search icon.
11. This will show the definition for resource FLEXCUBE_GTC. Click on Assign button in Depends On tab.

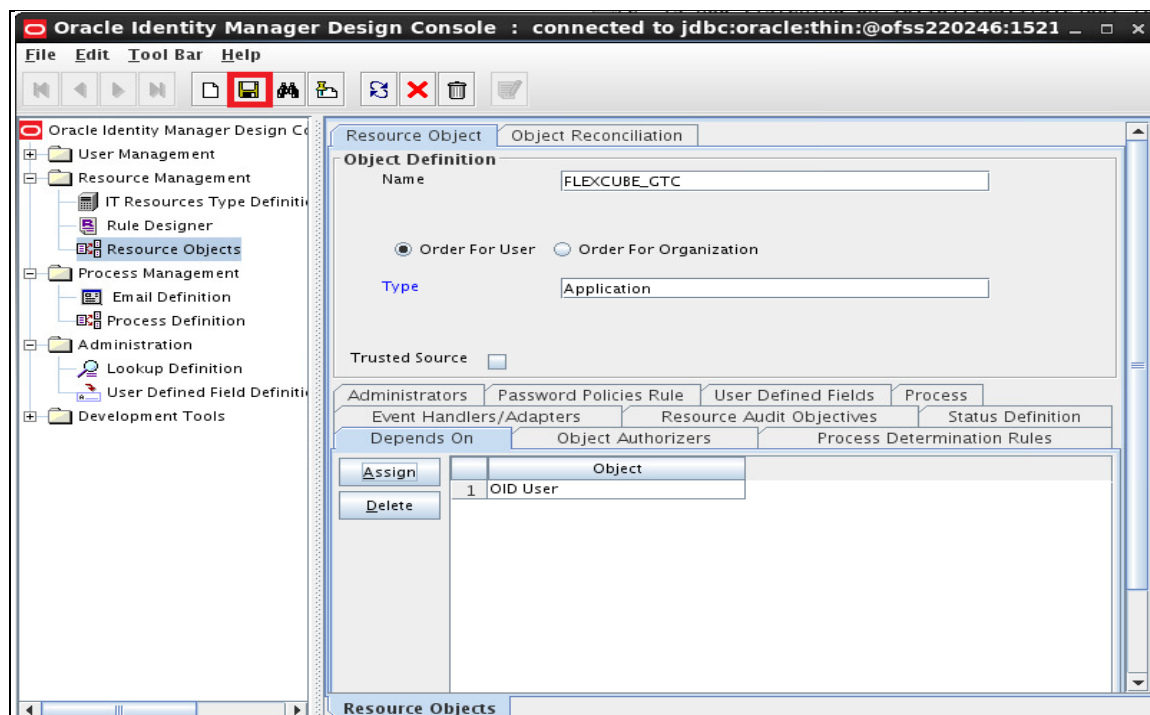


12. Select the OID User from the Unassigned Objects list. Click on the arrow pointed to Assignend objects.
13. Click on OK. This will move OID user resource to Assigned objects.



Ensure that OID User will be shown under Object.

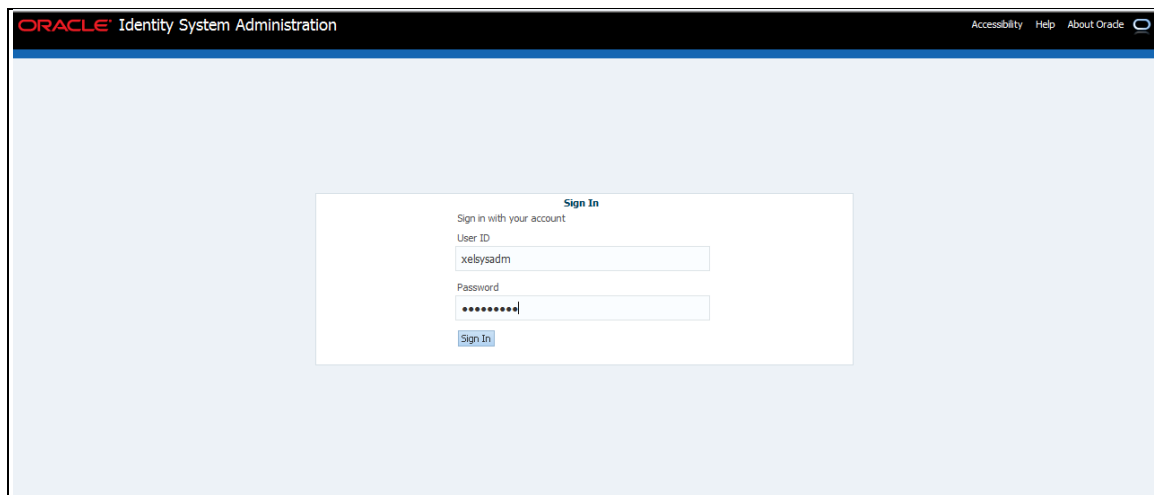
14. Click on Save.



Access Policy Creation for OID

1. Open the Oracle Identity Manager Administrative console. (Give the following URL in the browser: <http://<hostname>:<oimport>/sysadmin>)
2. Login to Administrative Console

3. Enter OIM administrator username/password and press Sign In.



The screenshot shows the Oracle Identity System Administration web interface. At the top, there is a header bar with the Oracle logo and the text "Identity System Administration" on the left, and links for "Accessibility", "Help", and "About Oracle" on the right. The main content area is light blue and contains a white "Sign In" form. The form has the title "Sign In" and the instruction "Sign in with your account". It includes two input fields: "User ID" with the value "xelsysadm" and "Password" with masked characters "*****". A "Sign In" button is located at the bottom of the form.

ORACLE Identity System Administration Accessibility Help About Oracle

Sign In

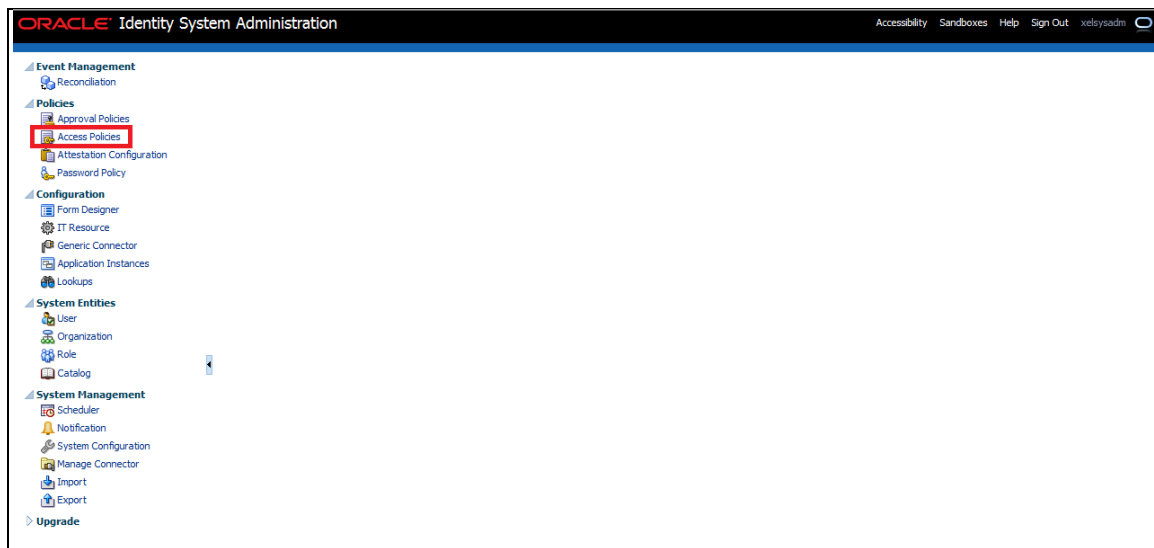
Sign in with your account

User ID
xelsysadm

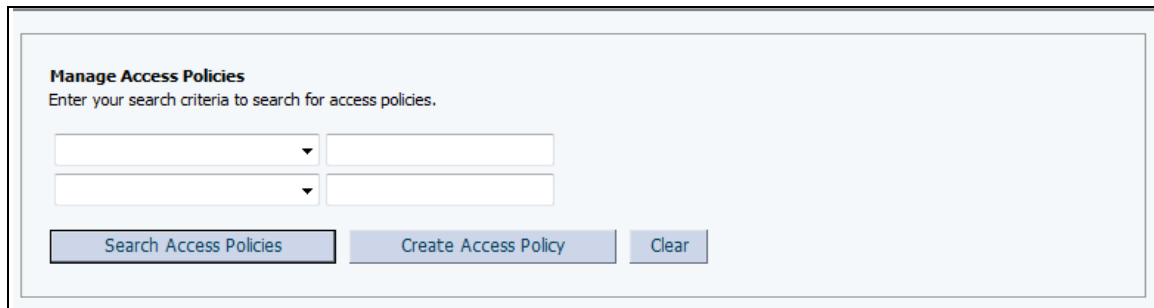
Password

Sign In

4. Click on Access Policies under Policies.



5. Click on Create Access Policy.



6. Enter the below details and Click on Continue

- Access Policy Name : OIDAccessPolicy
- Access Policy Description : OIDAccessPolicy
- Provision : Without Approval
- Retrofit Access Policy : Yes
- Priority : 1

The screenshot shows the 'Create Access Policy' interface, Step 1. At the top, there's a progress bar with five steps, where Step 1 is highlighted. The title 'Create Access Policy' is on the left. Below it, 'Step 1: Create Access Policy' is centered. A note '* Indicates Required Field' is present. The form fields are: 'Access Policy Name' with value 'OIDAccessPolicy', 'Access Policy Description' with value 'OIDAccessPolicy', 'Provision' with radio buttons for 'Without Approval' (selected) and 'With Approval', 'Retrofit Access Policy' with a checked checkbox, and 'Priority' with value '1' and a note 'Current Lowest Priority=0'. At the bottom are 'Exit' and 'Continue >>' buttons.

7. Perform the below mentioned Operations and Click on Continue.

- Select OID User
- Click on Add Button

The screenshot shows the 'Create Access Policy' interface, Step 2. The progress bar at the top now highlights Step 2. The title 'Create Access Policy' is on the left. Below it, 'Step 2: Select Resources' is centered. A note '* Indicates Required Field' is present. The form includes a 'Filter By' section with a dropdown and a 'Go' button. Below this is a table with two columns: a checkbox column and a 'Resource Name' column. The table shows two results: 'FLEXCUBE_GTC' and 'OID User'. The 'OID User' row has a checked checkbox. To the right of the table are 'Add >>' and '<< Remove' buttons. Below the table are 'Exit', '<< Back', and 'Continue >>' buttons. On the right side, there's a 'Selected:' section with a list containing 'OID User'.

8. Click on Continue.

The screenshot shows a web-based wizard titled "Create Access Policy". At the top, there is a progress bar with five numbered steps: 1, 2, 3, 4, and 5. Step 2 is currently selected and highlighted with a blue circle. Below the progress bar, the title "Step 2: Select Resources" is displayed. A horizontal line separates the title from the main content area. The main content area contains the text: "The subsequent pages will guide you through providing the data to associate with the following resources you selected to be provisioned by this Access Policy:". Below this text, there is a bulleted list with one item: "• OID User". At the bottom of the wizard, there are four buttons: "Exit", "<< Back", "Skip This Step", and "Continue >>". The "Continue >>" button is highlighted with a blue background.

9. Select the below Details and Click on Continue.

- Server : OID Server
- Container DN : cn=Users,dc=in,dc=oracle,dc=com
- Preferred Language : English
- Start Date : August 20, 2014 (Current Date)

Create Access Policy

1 2 3 4 5

Step 2: Select Resources

Provide the following process details for resource **OID User**:

* Indicates a required field

User ID	<input type="text"/>
Server	<input type="text"/> Clear
Password	<input type="text"/>
First Name	<input type="text"/>
Middle Name	<input type="text"/>
Last Name	<input type="text"/>
Common Name	<input type="text"/>
Container DN	<input type="text"/> Clear
Department	<input type="text"/>
Location	<input type="text"/>
Telephone	<input type="text"/>
Email ID	<input type="text"/>
Preferred Language	<input type="text"/> Clear
Time Zone	<input type="text"/>
Title	<input type="text"/>
Start Date	<input type="text"/>
End Date	<input type="text"/>
manager	<input type="text"/>

10. Click on Continue.

Create Access Policy

1 2 3 4 5

Step 2: Select Revoke Or Disable Flag

Select if the resources need to be revoked or disabled if the access policy no longer applies.

Resource Name	Revoke if no longer applies	Disable if no longer applies
OID User	<input checked="" type="radio"/>	<input type="radio"/>

11. Click on Continue.

Create Access Policy

12345

Step 3: Select Resources

Specify the resources to be denied by this access policy.

* Indicates Required Field

Filter By

Results 1-2 of 2

First | Previous | Next | Last

<input type="checkbox"/>	Resource Name
<input type="checkbox"/>	FLEXCUBE_GTC
<input type="checkbox"/>	OID User

First | Previous | Next | Last

Add >>

<< Remove

Selected:

Exit

<< Back

Continue >>

12. Select ALL USERS and Click on Continue.

Create Access Policy

12345

Step 4: Select Roles

Specify roles for this access policy.

* Indicates Required Field

Filter By

Results 1-5 of 5

First | Previous | Next | Last

<input type="checkbox"/>	Roles Name	Display Name
<input type="checkbox"/>	OPERATORS	OPERATORS
<input type="checkbox"/>	SELF OPERATORS	SELF OPERATORS
<input type="checkbox"/>	SYSTEM ADMINISTRATORS	SYSTEM ADMINISTRATORS
<input type="checkbox"/>	ALL USERS	ALL USERS
<input type="checkbox"/>	Administrators	Administrators

First | Previous | Next | Last

Add >>

<< Remove

Selected:

ALL USERS

Exit

<< Back

Continue >>

13. Click on Create Access Policy.

Create Access Policy

1 2 3 4 5

Step 5: Verify Access Policy Information

Access Policy Information Provided [Change](#)

Access Policy Name	OIDAccessPolicy
Access Policy Description	OIDAccessPolicy
With Approval	No
Retrofit Access Policy	Yes
Priority	1

Resources to be provisioned by this access policy [Change](#)

Resource Name	Revoke if no longer applies	Disable if no longer applies	Process Forms
OID User	✓	✗	OID User Edit

Resources to be denied by this access policy [Change](#)

You have not selected any resources to be denied by this access policy.

Roles for this access policy [Change](#)

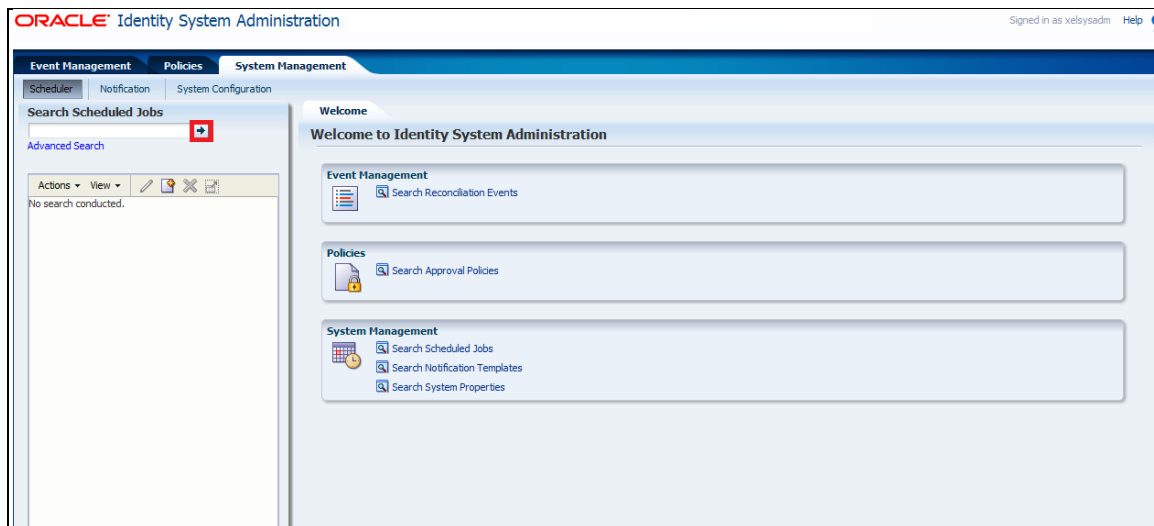
Roles Name
ALL USERS

[Exit](#) [<< Back](#) [Create Access Policy](#)

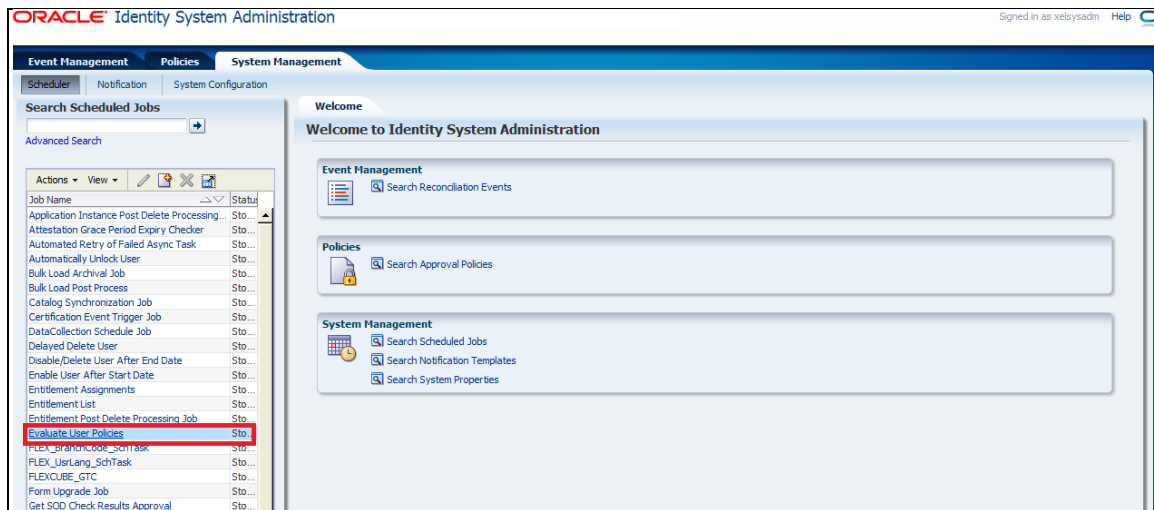
14. Click on Scheduler under System Management.



15. Click on Search shown below:



16. Select Evaluate User Policies.



17. Change the Run Every under Job Periodic Setting.

18. Click on Apply.

Run Every to 1 mins will evaluate the New User Created in Oracle Identity Management Server against the access policies created. If the new user satisfied by the access policy then it will Provision the user to User Account. In this case it's Oracle Internet Directory.

Event Management

Policies

System Management

Scheduler

Notification

System Configuration

Search Scheduled Jobs

Advanced Search

Actions

View

Job Name

Status

Application Instance Post Delete Processing...

Sto...

Attestation Grace Period Expiry Checker

Sto...

Automated Retry of Failed Async Task

Sto...

Automatically Unlock User

Sto...

Bulk Load Archival Job

Sto...

Bulk Load Post Process

Sto...

Catalog Synchronization Job

Sto...

Certification Event Trigger Job

Sto...

DataCollection Schedule Job

Sto...

Delayed Delete User

Sto...

Disable/Delete User After End Date

Sto...

Enable User After Start Date

Sto...

Entitlement Assignments

Sto...

Entitlement List

Sto...

Entitlement Post Delete Processing Job

Sto...

Evaluate User Policies

Sto...

FLEX_BranchCode_SchTask

Sto...

FLEX_UsrLang_SchTask

Sto...

FLEXCUBE_GTC

Sto...

Form Upgrade Job

Sto...

Get SOD Check Results Approval

Sto...

Get SOD Check Results Provisioning

Sto...

Initiate Attestation Processes

Sto...

Issue Audit Messages Task

Sto...

Welcome

Job Details

Job Details : Evaluate User Policies

Apply

Run Now

Stop

Enable

Disable

Refresh

* Indicates required fields.

Job Information

Job Name

Evaluate User Policies

Task

Evaluate User Policies

* Start Date

August 20, 2014 3:32:54 (UTC+05:30) Calcutta - India Time (IT)

* Retries

5

Schedule Type

☒ Periodic

☐ Cron

☐ Single

☐ No pre-defined schedule

Job Periodic Settings

Run every

1

mins

Job Status

Current Status

Stopped

Last Run Start

August 21, 2014 6:42:54 PM IST

Last Run End

August 21, 2014 6:42:55 PM IST

Next Scheduled Run

August 21, 2014 6:52:54 PM IST

Parameters

* Batch Size

500

* Number of Threads

20

Time Limit in mins

Job History

6. Solution / Usage Guidelines

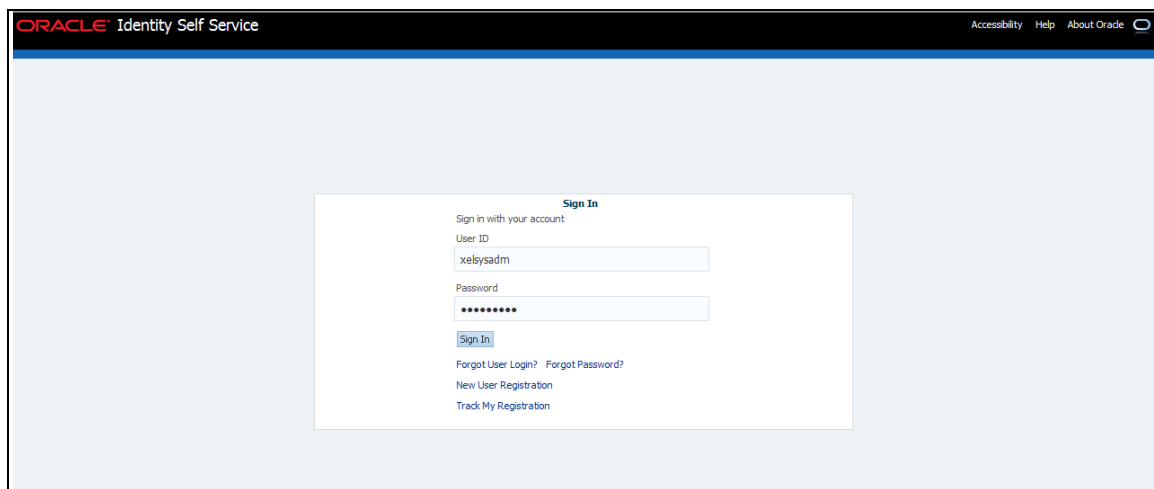
6.1 Working with OIM

6.1.1 Creating a user in FLEXCUBE through OIM

To create a user in FLEXCUBE through OIM, first a user must be created in OIM itself. After creating a user in OIM, a user can be created in FLEXCUBE by assigning a resource named FLEXCUBE_GTC.

Open the Oracle Identity Manager Administrative console. (Give the following URL in the browser: `http://<hostName>:<oimport>/identity`)

1. Login to Administrative Console
2. Enter OIM administrator username/password and press **Login**.

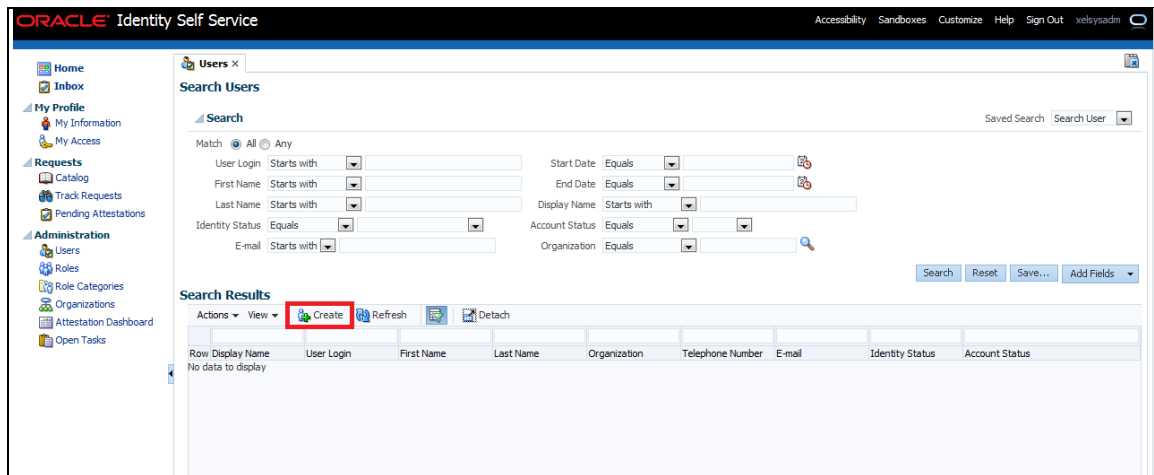


The screenshot shows the Oracle Identity Self Service login interface. At the top, there is a header bar with the Oracle logo, the text "Identity Self Service", and links for "Accessibility", "Help", and "About Oracle". The main content area is light blue and contains a white "Sign In" box. Inside this box, the text "Sign in with your account" is followed by two input fields: "User ID" (containing "xelsysadm") and "Password" (masked with dots). Below the password field is a "Sign In" button. At the bottom of the box, there are links for "Forgot User Login?", "Forgot Password?", "New User Registration", and "Track My Registration".

3. Click on Users under Administration.



4. Click on Create



The Create User screen will get displayed.

Below are the mandatory fields, which needs to be entered to Create the User in Oracle Identity Manager

- First Name
- Last Name
- Organization
- User Type
- E-mail
- Display Name
- User Login
- Password
- Confirm Password
- Start Date

5. Click on Submit.

The screenshot shows the 'Create User' form in the Oracle Identity Self Service interface. The form is titled 'Create User' and has a 'Submit' button highlighted with a red box. The form contains several sections with mandatory fields indicated by an asterisk (*):

- Justification and Effective Date:** Justification (text field), Effective Date (calendar icon).
- Basic Information:** First Name (Nandhakumar), Middle Name (text field), Last Name (Vemban), E-mail (nandhakumar.vemban@oracle.com), Manager (text field), Organization (Requests), User Type (Full-Time Employee), Display Name (Nandhakumar Vemban).
- Account Settings:** User Login (NVEMBAN), Password (masked), Confirm Password (masked).
- Account Effective Dates:** Start Date (8/25/2014), End Date (calendar icon).
- Provisioning Dates:** Provisioning Date (calendar icon), Deprovisioning Date (calendar icon).
- Contact Information:** Telephone Number, Home Phone, Fax, Mobile, Pager, Home Postal Address, Postal Address, Postal Code, PO Box, State, Street, Country.

On successful creation of user in OIM User Detail screen will get appeared.

ORACLE Identity Self Service

AccessibilitySandboxesCustomizeHelpSign Outxelsysadm

Home

Inbox

My Profile

My Information

My Access

Requests

Catalog

Track Requests

Pending Attestations

Administration

Users

Roles

Role Categories

Organizations

Attestation Dashboard

Open Tasks

Users X

User Details : Nandhakuma... X

Nandhakumar Vemban

Modify User

Enable User

Disable User

Delete User

Lock Account

Unlock Account

Reset Password

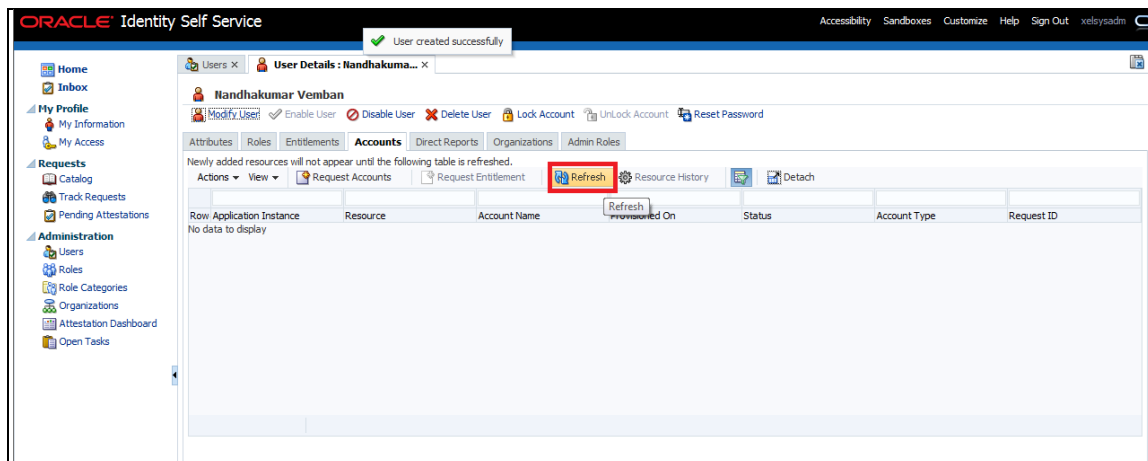
AttributesRolesEntitlementsAccountsDirect ReportsOrganizationsAdmin Roles

Newly added resources will not appear until the following table is refreshed.

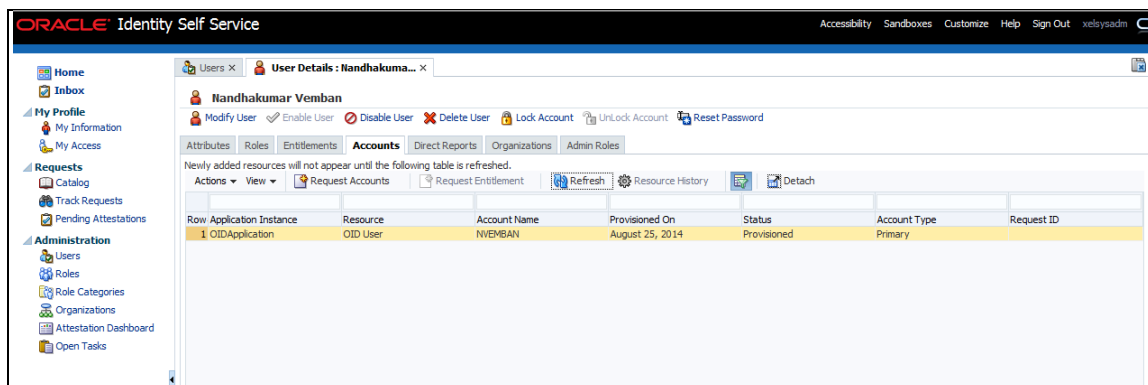
ActionsViewRequest AccountsRequest EntitlementRefreshResource HistoryDetach

Row	Application Instance	Resource	Account Name	Provisioned On	Status	Account Type	Request ID
No data to display							

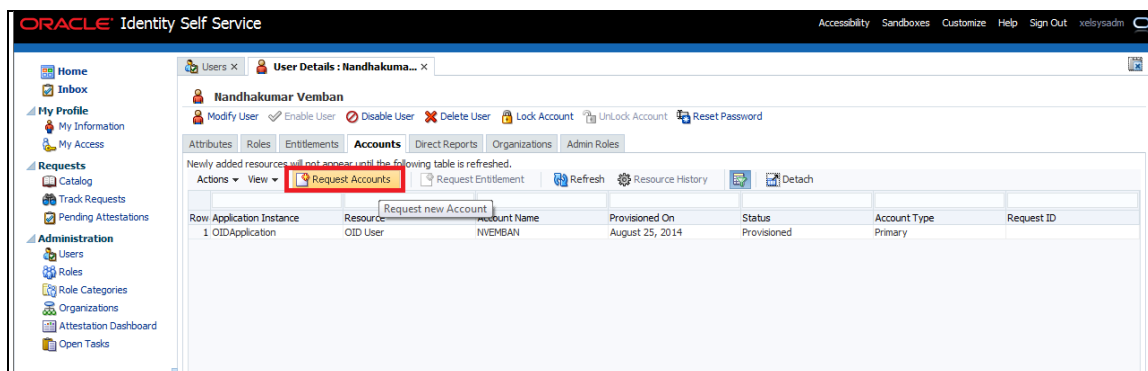
Wait for Time, which has been set to evaluate the user access policy in [5.1.6.2.2.15](#) and Click on Refresh.




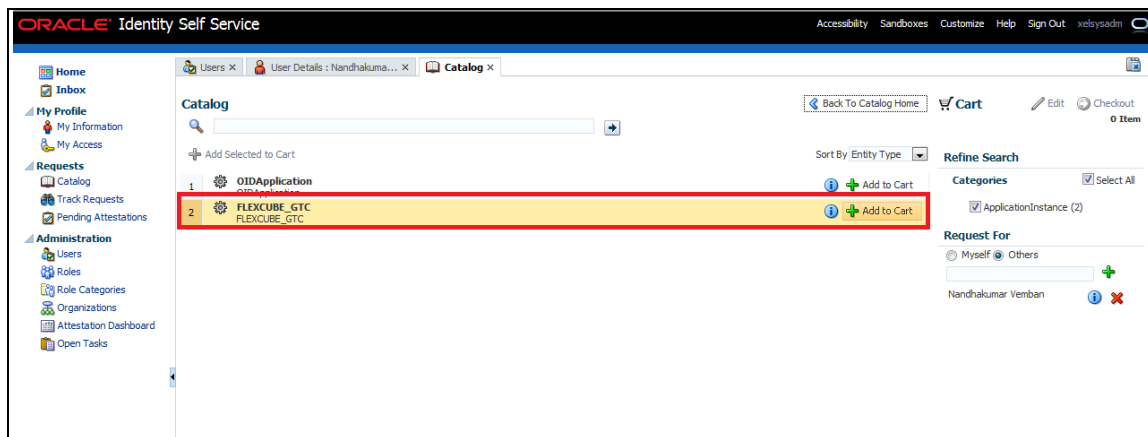
6. In the Accounts TAB, User will be provisioned with OID User Resource Type.



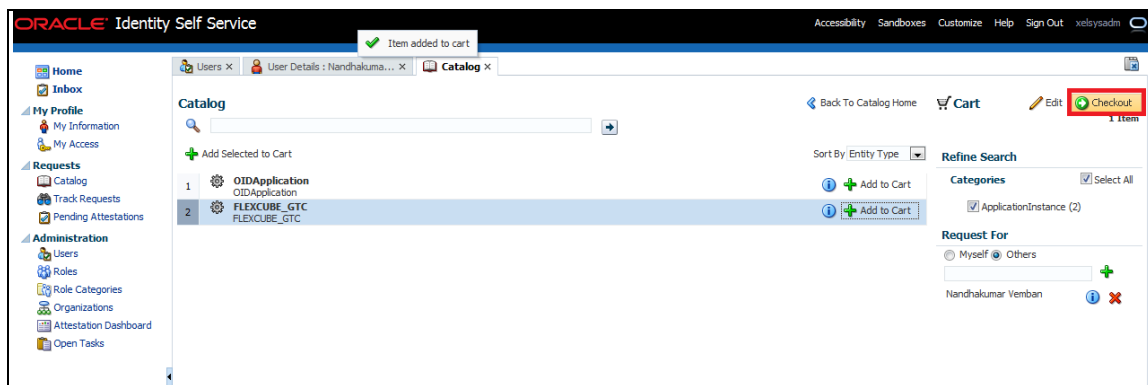
7. Click on Request Accounts.



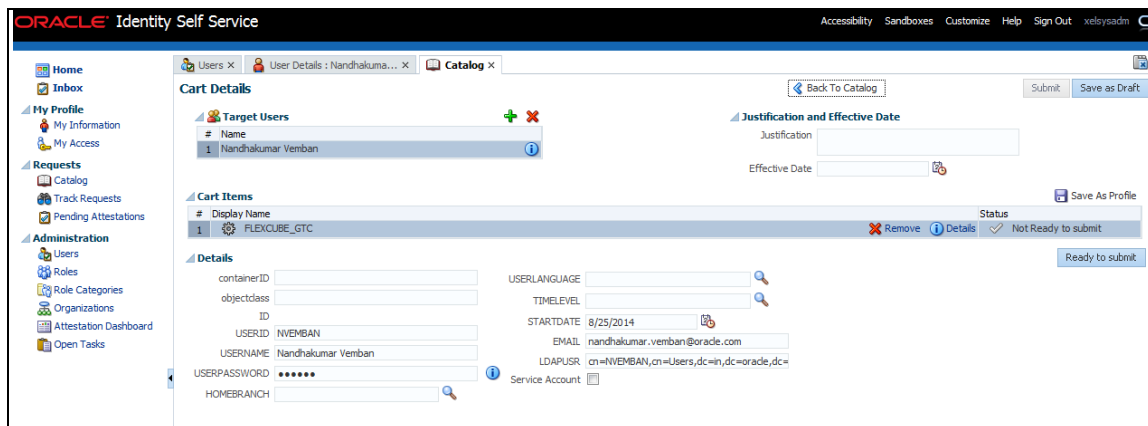
8. Click on  Add to Cart against FLEXCUBE_GTC.



9. Click on  Checkout



Following screen will appear like below:



10. Enter the below details and Click on Ready to Submit.

- HOMEBRANCH
- USERLANGUAGE
- TIMELEVEL

In case like have a different FLEXCUBE USERID populated then it can be modified (only during Request Account in FLEXCUBE), do not modify any other value, which is pre-populated in this screen.

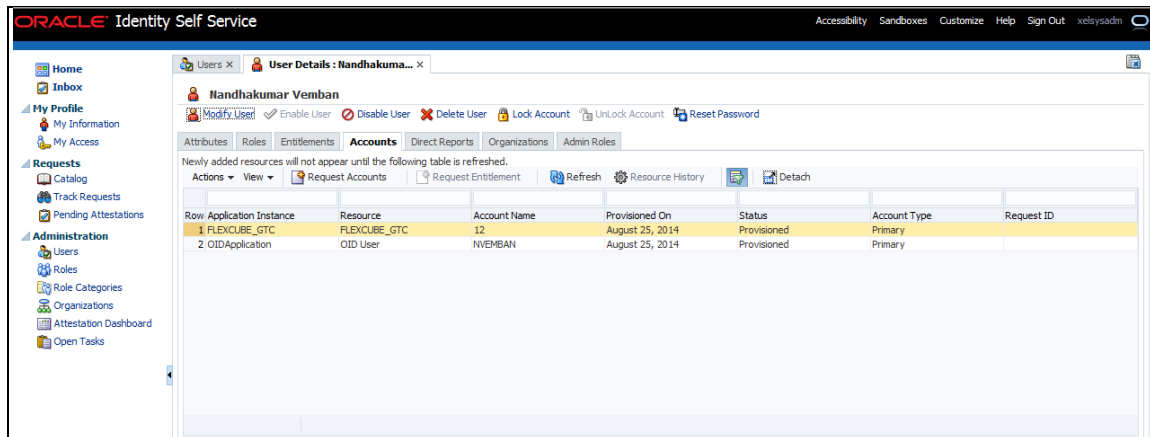
Oracle Identity Self Service interface showing the 'Cart Details' page. The page displays user information and configuration details for a request. The 'Target Users' section lists the user Nandhakumar Vemban. The 'Cart Items' section shows the item FLEXCUBE_GTC. The 'Details' section contains fields for containerID, objectclass, ID, USERID, USERNAME, USERPASSWORD, HOMEBRANCH, USERLANGUAGE, TIMELEVEL, STARTDATE, EMAIL, and LDAPUSR. A 'Ready to submit' button is highlighted in a red box.

11. Click on Submit.

Oracle Identity Self Service interface showing the 'Cart Details' page after submission. The page displays a message: 'Successfully Completed the operation.' and a 'Back To Catalog' button.

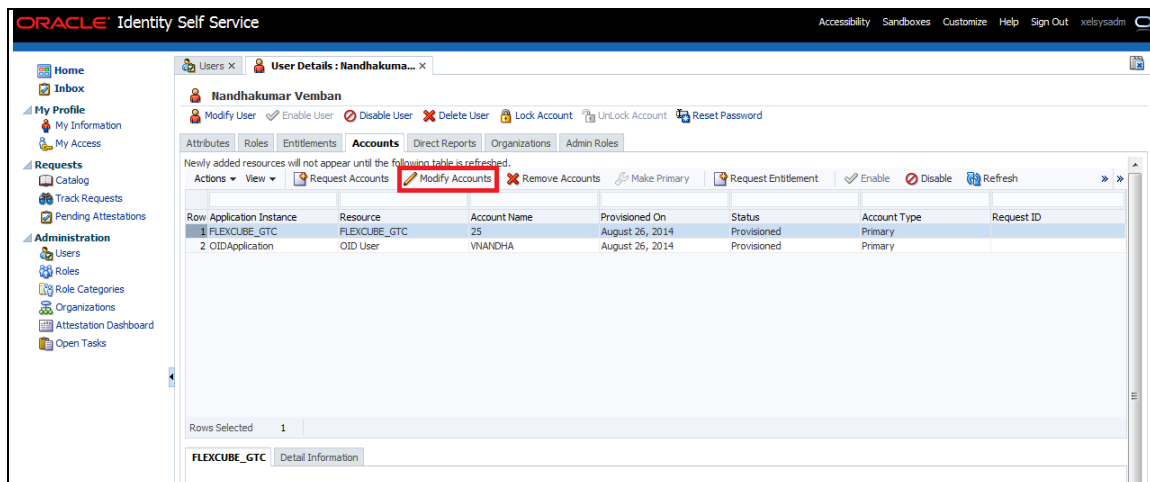
12. Click on Refresh under Accounts TAB.

If the status is provisioned then the User is created in the Target Application.



6.1.2 Modifying a user in FCIS through OIM

1. Navigate to the Accounts TAB>>Select FLEXCUBE_GTC >> Click on Modify Accounts.
2. After successful provisioning User Details like User Name, Time Level, User Language and Home Branch can be modified.
3. User Password, Email, LDAP User, Start Date Cannot be modified.



The following screen is displayed.

4. Modify the data (Any/All of User Name, Time Level, Home Branch and User Language).
5. Click on Ready to Submit.
6. Click on Submit.

ORACLE Identity Self Service

AccessibilitySandboxesCustomizeHelpSign Outvellsysadm

Home

Inbox

My Profile

My Information

My Access

Requests

Catalog

Track Requests

Pending Attestations

Administration

Users

Roles

Role Categories

Organizations

Attestation Dashboard

Open Tasks

Users X

User Details : Nandhakuma... X

Modify Account X

Submit

Save as Draft

Modify Account

Target Users

#Name

1Nandhakumar Vemban

Justification and Effective Date

Justification

Effective Date

Cart Items

#Display Name

125@FLEXCLIBE_GTC

Remove

Details

Status

Not Ready to submit

Edit Account details

containerID

objectclass

ID

USERID

USERNAME

USERPASSWORD

HOMEBRANCH

USERLANGUAGE

TIMELEVEL

STARTDATE

EMAIL

LDAPUSR

DISTBAGY

ENG

9

8/25/2014

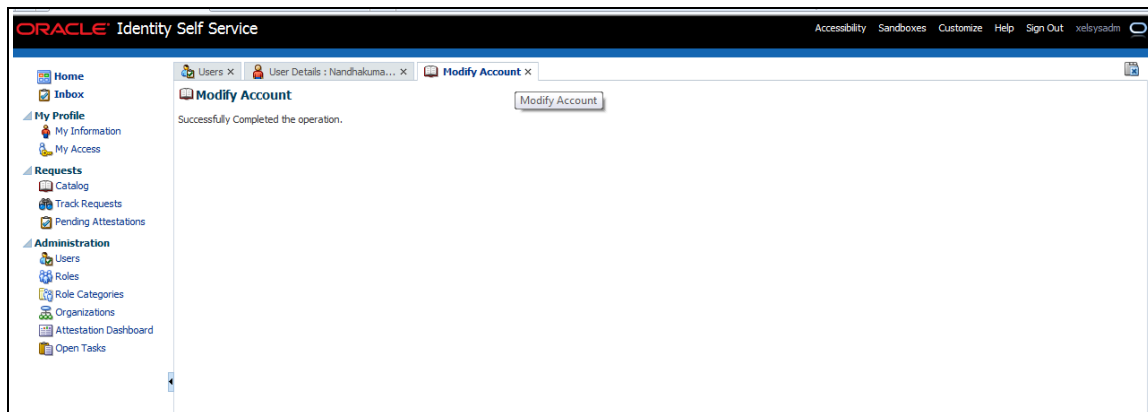
nandhakumar.vemban@oracle.com

cn=VNANDHA,cn=Users,dc=in,dc=oracle,dc=

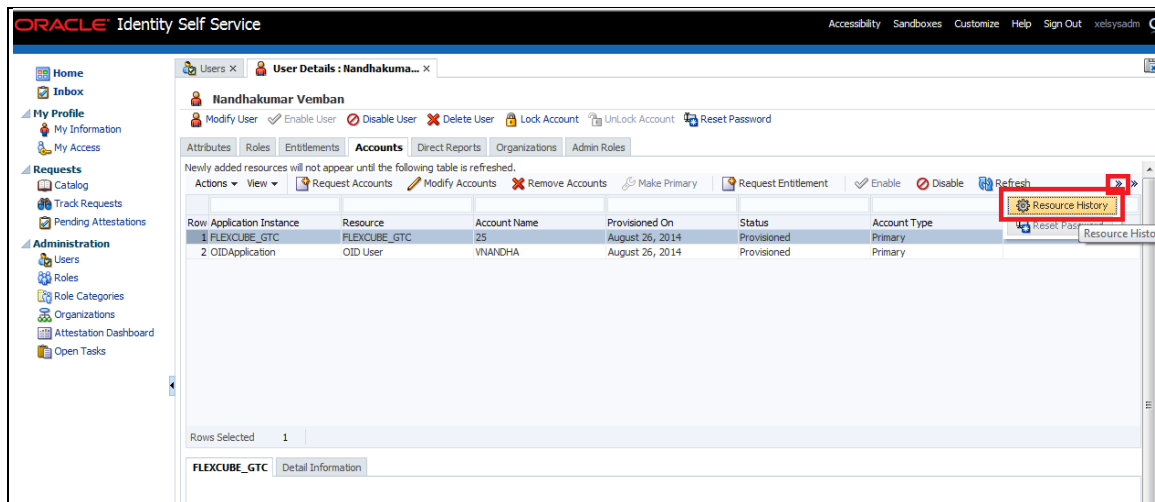
Ready to submit

The following screen is displayed.

7. Close the Screen.



8. Navigate to the Accounts >> Select FLEXCUBE_GTC >> Resource History



The following screen is displayed.

9. Based on the modification done it will show the individual field change status (In case of more than one field like User Name, User Password changes it will show USERNAME Updated, HOMEBRANCH Updated etc.).

User Detail >> Resource Profile >> Resource Provisioning Details

The following are the provisioning tasks for the resource. You can also enable, disable, or revoke this resource from the user.

FLEXCUBE_GTC provisioning details for **Nandhakumar Vemban[VNANDHA]**

Results 1-8 of 8 First | Previous | Next | Last

Task Name	Task Status	Date Assigned	Assigned To	Retry
System Validation	Completed	August 26, 2014	System Administrator [XELSYSADM]	<input type="checkbox"/>
HOMEBRANCH Updated	Completed	August 26, 2014	System Administrator [XELSYSADM]	<input type="checkbox"/>
Create User	Completed	August 26, 2014	System Administrator [XELSYSADM]	<input type="checkbox"/>
HOMEBRANCH Updated	Completed	August 26, 2014	System Administrator [XELSYSADM]	<input type="checkbox"/>

6.1.3 Disable/Remove Accounts in FCIS through OIM

There is a slight difference between Disable and Remove Accounts option. If the account disabled then the same account can be enabled using the Enable option. If the account is Removed then the account cannot be enabled through OIM. But in FCIS, both Disable and Remove option will close the existing user record.

Remove Accounts will show the Last Known Status

6.1.3.1 Accounts>>Select FLEXCUBE_GTC >>Click on Disable/Remove Accounts

The screenshot shows the Oracle Identity Self Service interface. The top navigation bar includes links for Accessibility, Sandboxes, Customize, Help, Sign Out, and xelaysadm. The left sidebar contains a navigation menu with options like Home, Inbox, My Profile, My Information, My Access, Requests, Catalog, Track Requests, Pending Attestations, and Administration. The main content area displays the 'User Details' for 'Nandhakumar Vemban'. Below the user name, there are tabs for Attributes, Roles, Entitlements, Accounts, Direct Reports, Organizations, and Admin Roles. The 'Accounts' tab is selected, showing a table of provisioning tasks. The table has columns for Row, Application Instance, Resource, Account Name, Provisioned On, Status, Account Type, and Request ID. The first row shows 'FLEXCUBE_GTC' with account name '25' and status 'Provisioned'. The second row shows 'OIDApplication' with account name 'OID User' and status 'Provisioned'. Above the table, there are action buttons: Request Accounts, Modify Accounts, Remove Accounts (highlighted with a red box), Make Primary, Request Entitlement, Enable, Disable (highlighted with a red box), and Refresh. Below the table, there is a 'Rows Selected' section showing '1' row selected. At the bottom, there is a 'Detail Information' section for 'FLEXCUBE_GTC' showing Name and Display Name.

Disable Confirmation Screen will get displayed

10. Click on Submit.

The screenshot shows the 'Disable Accounts' confirmation screen in the Oracle Identity Self Service interface. The left sidebar contains navigation links for Home, Inbox, My Profile, My Information, My Access, Requests, Catalog, Track Requests, Pending Attestations, and Administration. The main content area has tabs for Users, User Details, and Disable Accounts. The 'Disable Accounts' tab is active, showing a 'Target Users' list with one user: Nandhakumar Vemban. Below this is a 'Cart Items' table with one item: 25@FLEXCUBE_GTC. To the right, there are fields for 'Justification and Effective Date' and a 'Submit' button highlighted with a red box. A 'Save as Draft' button is also visible.

11. Go to Accounts Tab and Click on Refresh.

12. On successful processing, it will display the FLEXCUBE_GTC status as Disabled.

The screenshot shows the 'Accounts' tab in the Oracle Identity Self Service interface. The left sidebar is the same as in the previous screenshot. The main content area shows the 'Accounts' tab for user Nandhakumar Vemban. Below the user details, there is a table with columns: Row, Application Instance, Resource, Account Name, Provisioned On, Status, Account Type, and Request ID. The table contains two rows. The first row, highlighted in yellow, shows the account '25@FLEXCUBE_GTC' with a status of 'Disabled', which is highlighted with a red box. The second row shows the account 'OIDApplication' with a status of 'Provisioned'.

Row	Application Instance	Resource	Account Name	Provisioned On	Status	Account Type	Request ID
1	FLEXCUBE_GTC	FLEXCUBE_GTC	25	August 26, 2014	Disabled	Primary	
2	OIDApplication	OID User	VNANDHA	August 26, 2014	Provisioned	Primary	

6.1.4 Enabling a Disabled user in FCIS through OIM

1. Accounts>>Select FLEXCUBE_GTC >>Click on Enable

Oracle Identity Self Service interface showing the 'Accounts' tab for user Nandhakumar Vemban. The table lists accounts with columns: Row, Application Instance, Resource, Account Name, Provisioned On, Status, Account Type, and Request ID. The first row shows 'FLEXCUBE_GTC' with status 'Disabled'. The 'Enable' button is highlighted in red.

Row	Application Instance	Resource	Account Name	Provisioned On	Status	Account Type	Request ID
1	FLEXCUBE_GTC	FLEXCUBE_GTC	25	August 26, 2014	Disabled	Primary	
2	OIDApplication	OID User	VNANDHA	August 26, 2014	Provisioned	Primary	

2. Enable Confirmation Screen will get displayed and Click on Submit

Oracle Identity Self Service interface showing the 'Enable Accounts' confirmation screen. The 'Submit' button is highlighted in red.

Enable Accounts

Target Users

#	Name
1	Nandhakumar Vemban

Cart Items

#	Display Name	Status
1	25@FLEXCUBE_GTC	Ready to submit

Justification and Effective Date

Justification:

Effective Date:

Enable the selected accounts

Buttons: Remove, Details, Ready to submit

3. Go to Accounts TAB and Click on Refresh.
4. On successful processing, it will display the FLEXCUBE_GTC status as Enabled.

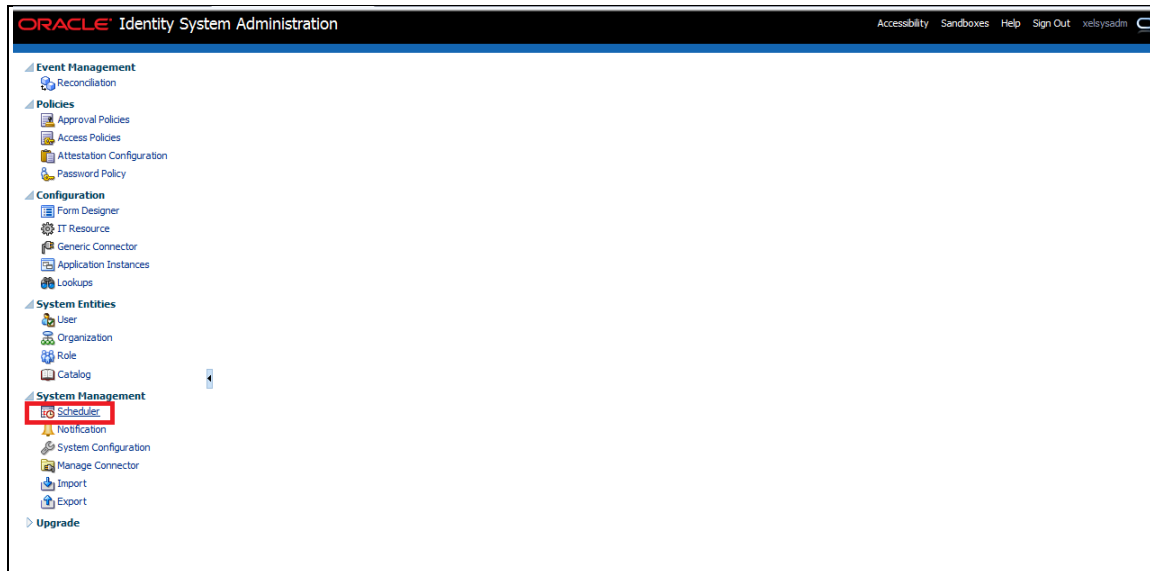
Oracle Identity Self Service interface showing the 'Accounts' tab for user Nandhakumar Vemban. The 'FLEXCUBE_GTC' account is highlighted with a status of 'Enabled'. The 'Refresh' button is circled in red.

Row	Application Instance	Resource	Account Name	Provisioned On	Status	Account Type	Request ID
1	FLEXCUBE_GTC	FLEXCUBE_GTC	25	August 26, 2014	Enabled	Primary	
2	OIDApplication	OID User	VNANDHA	August 26, 2014	Provisioned	Primary	

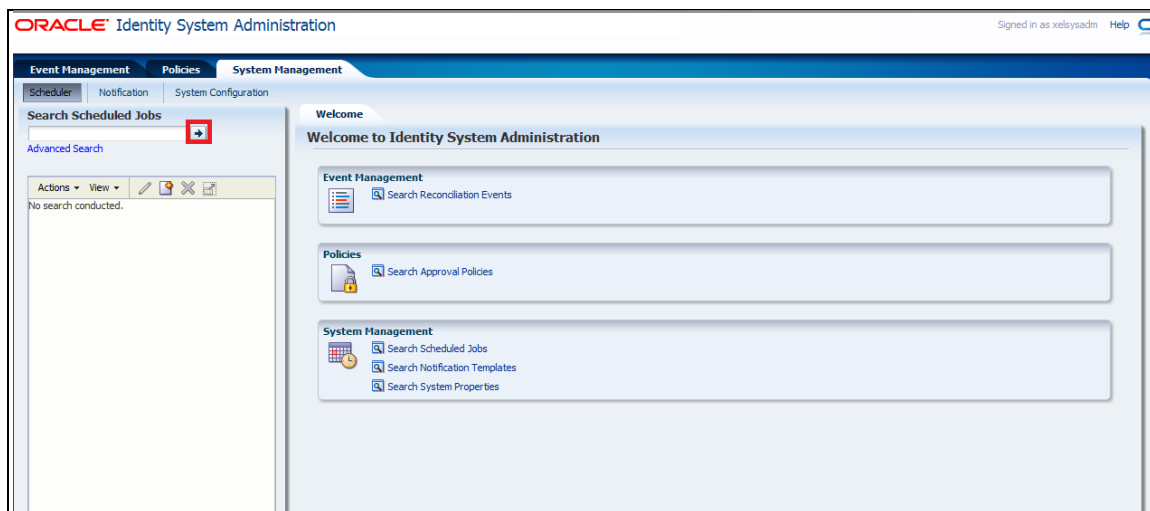
6.1.5 Running Reconciliation in OIM

Copy the reconciliation staging file that is created by function id SMBOIMHF as EOD day activity to the OIM server's staging directory.

1. Login to OIM Admin Console and Click on Scheduler under System Management.



2. Under System Management tab and search for FLEXCUBE_GTC Scheduled Job by clicking Search Button.



3. If the job is scheduled periodically, based on the frequency and scheduled time, system will automatically process the reconciliation. If it not scheduled, user can manually initiate the reconciliation process by clicking the Run Now button.
4. After running the process, click Refresh button to view the status of the initiated job. The job history section available in the screen will show whether the job is in progress or it is completed.

ORACLE Identity System Administration

Signed in as xelaysadm Help

Event Management Policies System Management

Scheduler Notification System Configuration

Search Scheduled Jobs

Advanced Search

Actions View

Job Name Status

Application Instant... Stopped

Attestation Grace... Stopped

Automated Retry... Stopped

Automatically Unlo... Stopped

Bulk Load Archival... Stopped

Bulk Load Post Pro... Stopped

Catalog Synchroni... Stopped

Certification Event... Stopped

DataCollection Sch... Stopped

Delayed Delete User Stopped

Disable/Delete Use... Stopped

Enable User After... Stopped

Entitlement Assign... Stopped

Entitlement List Stopped

Entitlement Post D... Stopped

Evaluate User Polic... Stopped

FLEX_BranchCode... Stopped

FLEX_UsrLang_Sch... Stopped

FLEXCUBE_GTC Stopped

Form Upgrade Job Stopped

Get SOD Check Re... Stopped

Welcome Job Details

Job Details : FLEXCUBE_GTC

Apply Run Now Stop Enable Disable Refresh

* Indicates required fields.

Run the job now

Job Information

Job Name FLEXCUBE_GTC

Task FLEXCUBE_GTC

* Start Date January 1, 1970 5:30:00 (UTC+05:30) Calcutta - India Time (IT)

Schedule Type

☒ Periodic

☐ Cron

☐ Single

☐ No pre-defined schedule

* Retries 0

Job Periodic Settings

Run every 1 days

Job Status

Current Status Stopped

Last Run Start August 22, 2014 12:30:10 PM IST

Last Run End August 22, 2014 12:30:10 PM IST

Next Scheduled Run

Parameters

Connector Name FLEXCUBE

ITResource FLEXCUBE_GTC

ORACLE Identity System Administration

Signed in as xelaysadm Help

Event Management Policies System Management

Scheduler Notification System Configuration

Search Scheduled Jobs

Advanced Search

Actions View

Job Name Status

Application Instant... Stopped

Attestation Grace... Stopped

Automated Retry... Stopped

Automatically Unlo... Stopped

Bulk Load Archival... Stopped

Bulk Load Post Pro... Stopped

Catalog Synchroni... Stopped

Certification Event... Stopped

DataCollection Sch... Stopped

Delayed Delete User Stopped

Disable/Delete Use... Stopped

Enable User After... Stopped

Entitlement Assign... Stopped

Entitlement List Stopped

Entitlement Post D... Stopped

Evaluate User Polic... Stopped

FLEX_BranchCode... Stopped

FLEX_UsrLang_Sch... Stopped

FLEXCUBE_GTC Stopped

Form Upgrade Job Stopped

Get SOD Check Re... Stopped

Get SOD Check Re... Stopped

Initiate Attestation... Stopped

Issue Audit Messa... Stopped

Job History Archival Stopped

LDAPSync Post En... Stopped

LDAPSync Post En... Stopped

LDAPSync Post En... Stopped

LDAPSync Post En... Stopped

LDAPSync Post En... Stopped

Welcome Job Details

Job Details : FLEXCUBE_GTC

Apply Run Now Stop Enable Disable Refresh

* Indicates required fields.

Run the job now

Job Information

Job Name FLEXCUBE_GTC

Task FLEXCUBE_GTC

* Start Date January 1, 1970 5:30:00 (UTC+05:30) Calcutta - India Time (IT)

Schedule Type

☒ Periodic

☐ Cron

☐ Single

☐ No pre-defined schedule

* Retries 0

Job Periodic Settings

Run every 1 days

Time between runs in mins/hrs/days

Job Status

Current Status Stopped

Last Run Start August 22, 2014 12:30:10 PM IST

Last Run End August 22, 2014 12:30:10 PM IST

Next Scheduled Run

Parameters

Connector Name FLEXCUBE

ITResource FLEXCUBE_GTC

Job History

Actions View Show error details

Start Time	End Time	Job Status	Execution Status
August 22, 2014 1...	August 22, 2014 1...	Stopped	Success

- To Check the Status of Reconciliation Process, Click on Event Management Tab and Click the Search button and Click on the Latest Event ID. The screen will show the reconciliation data and the user ID matched for the reconciliation.

Oracle Identity System Administration

Event Management Policies System Management

Reconciliation Search Reconciliation Events

Advanced Search

Actions View

Event ID	Profile Name	Key Fields
1	FLEXCUBE_GTC	ANDY12

Event Details: ID 1

Refresh

Event

Event ID: 1
Current Status: Update Succeeded
Entity: Account
Type: Changelog
Key Fields: ANDY12
Action Date: Action Date not specified

Date and Time: August 22, 2014 12:30:10 PM IST
Job ID: 1671
Resource Name: FLEXCUBE_GTC
Profile Name: FLEXCUBE_GTC
Modifier ID: Internal User
Retry Count: 5

Linked To

Linked User: **ANDY12 - Andy Rajagopalan**
Linked Account ID: 8
Account Description: 8
Linked By: Rule Based Linking

Notes

Reconciliation Data Matched Accounts Matched Users History

View

Attribute Name	Attribute Value	OIM Mapped Field
IT Resource2	4	IT Resource2
USERLANGUAGE	ENG	USERLANGUAGE
USERNAME	Anand R	USERNAME
TIMELEVEL	9	TIMELEVEL
HOMEBRANCH	PMG	HOMEBRANCH
STARTDATE	April 8, 2014 12:00:00	STARTDATE
USERID	ANDY12	USERID

In the Event details screen

- Check the Status: If it is "Update Succeeded" then it means the reconciliation process was able to find a matching user. It also shows the reconciliation data that has been affected.
- If the Liked User is "Not linked to any user" then it means the reconciliation process was not able to find a matching user.

Oracle Identity System Administration

Event Management Policies System Management

Reconciliation Search Reconciliation Events

Advanced Search

Actions View

Event ID	Profile Name	Key Fields
21	FLEXCUBE_GTC	VKUMAR
1	FLEXCUBE_GTC	ANDY12

Event Details: ID 21

Reevaluate Event Close Event Ad Hoc Link Refresh

Event

Event ID: 21
Current Status: No User Match Found
Entity: Account
Type: Changelog
Key Fields: VKUMAR
Action Date: Action Date not specified

Date and Time: August 26, 2014 3:02:46 PM IST
Job ID: 4448
Resource Name: FLEXCUBE_GTC
Profile Name: FLEXCUBE_GTC
Modifier ID: Internal User
Retry Count: 5

Linked To

Linked User: **Not linked to any user**
Linked Account ID: 8
Account Description: 8
Linked By:

Notes

Reconciliation Data Matched Accounts Matched Users History

View

Attribute Name	Attribute Value	OIM Mapped Field
IT Resource2	4	IT Resource2
USERLANGUAGE	ENG	USERLANGUAGE
USERNAME	Anand R	USERNAME
TIMELEVEL	9	TIMELEVEL
HOMEBRANCH	PMG	HOMEBRANCH
STARTDATE	April 8, 2014 12:00:00	STARTDATE
USERID	VKUMAR	USERID

Lists all event data

7. Reference

Document Number	Title
1	Oracle Identity Manager Document.
2	SPML specification Document.

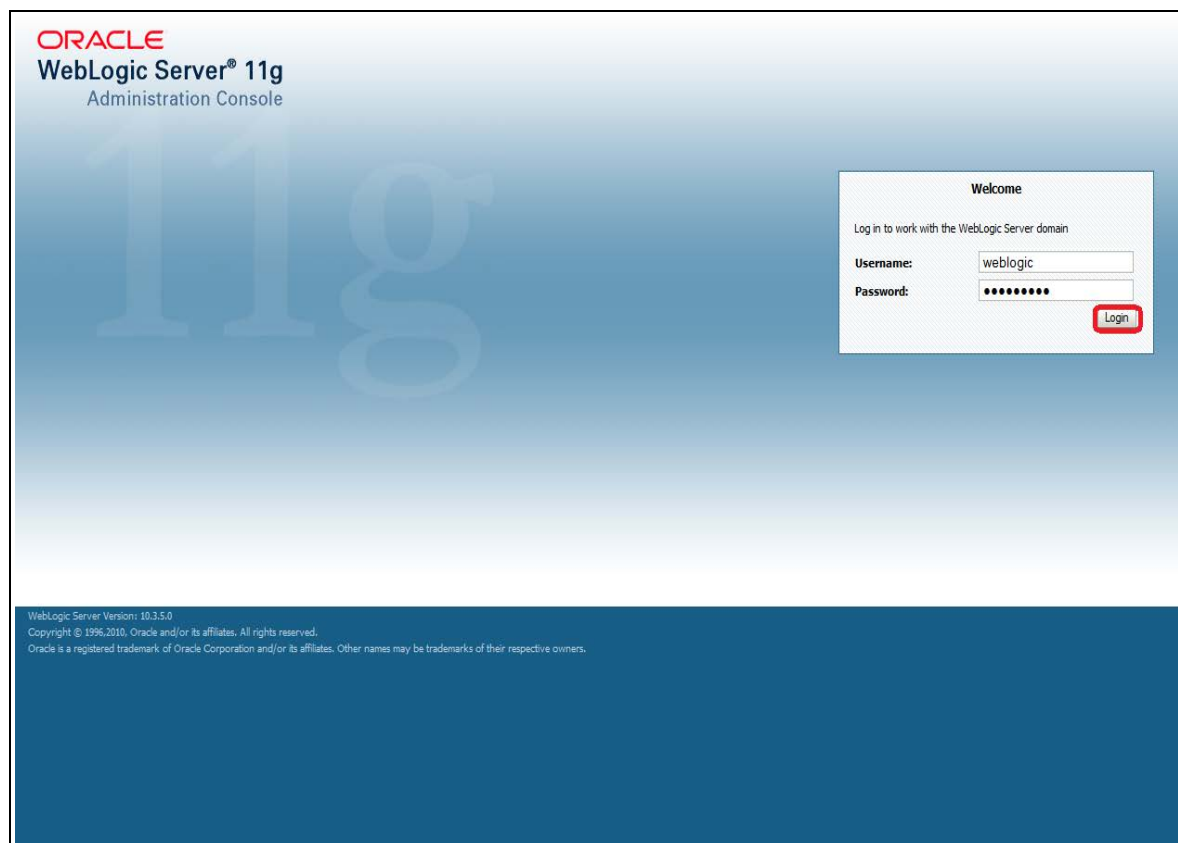
8. Appendix

8.1 Data Source Creation

1. Open the application server console in the browser by typing Console URL of Weblogic application server

<http://<hostname>:<port>/console/>

2. Login to Administrative Console
3. Enter Weblogic administrator username/password and press Login.



4. Expand Services and click on Data Sources as shown in below screen:

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: IDMDomain

Change Center
View changes and restarts
Click the Lock & Edit button to modify, add or delete items in this domain.
Lock & Edit
Release Configuration

Domain Structure
IDMDomain
- Environment
- Deployments
- Services
- Messaging
- Data Sources
- Persistent Stores
- Foreign JNDI Providers
- Work Contexts
- XML Registries
- XML Entity Caches
- JCDM
- Mail Sessions
- File T3

How do I...
• Create JDBC generic data sources
• Create JDBC GridLink data sources
• Create JDBC multi data sources
• Delete JDBC data sources
• Delete JDBC multi data sources

System Status
Health of Running Servers
Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (5)

Summary of JDBC Data Sources
Configuration Monitoring
A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.
This page summarizes the JDBC data source objects that have been created in this domain.

Customize this table
Data Sources (Filtered - More Columns Exist)
Click the **Lock & Edit** button in the Change Center to activate all the buttons on this page.

Name	Type	JNDI Name	Targets
EDNDataSource	Generic	jdbc/EDNDataSource	soa_server1
EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1
fcjDevDS	Generic	jdbc/fcjDevDS	Applications
fcjDevDS11	Generic	jdbc/fcjDevDS11	Applications
fcjDevDS120	Generic	jdbc/fcjDevDS120	Applications
FCUBS	Generic	jdbc/fcjDevDS	AdminServer, Applications
FCUBS120_XA	Generic	jdbc/fcjDevDS120_XA	Applications
FCUBSScheduler	Generic	jdbc/fcjSchedulerDS	Applications
jdbc/registryDS	Generic	jdbc/registryDS	wls_ods1, wls_of1, osr_server1
mds-om	Generic	jdbc/mds/MDS_REPOS	oim_server1

Showing 1 to 10 of 19 Previous | Next

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5. Click on Lock & Edit as shown below.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: IDMDomain

Change Center
View changes and restarts
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Domain Structure
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EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1
fcjDevDS	Generic	jdbc/fcjDevDS	Applications
fcjDevDS11	Generic	jdbc/fcjDevDS11	Applications
fcjDevDS120	Generic	jdbc/fcjDevDS120	Applications
FCUBS	Generic	jdbc/fcjDevDS	AdminServer, Applications
FCUBS120_XA	Generic	jdbc/fcjDevDS120_XA	Applications
FCUBSScheduler	Generic	jdbc/fcjSchedulerDS	Applications
jdbc/registryDS	Generic	jdbc/registryDS	wls_ods1, wls_of1, osr_server1
mds-om	Generic	jdbc/mds/MDS_REPOS	oim_server1

Showing 1 to 10 of 19 Previous | Next

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6. Expand New and click on Generic Data Source.

The screenshot shows the Oracle WebLogic Server Administration Console. The main content area is titled 'Summary of JDBC Data Sources' and includes a 'Configuration' tab. Below the tab, there is a description of JDBC data sources and a 'Customize this table' link. A table titled 'Data Sources (Filtered - More Columns Exist)' is displayed, showing a list of data sources. The 'New' button in the table's header is highlighted with a red box. The table has columns for 'Name', 'Type', 'JNDI Name', and 'Targets'. The first row is 'Generic Data Source' with a 'New' button next to it. Other rows include 'GridLink Data Source', 'Multi Data Source', 'fcjdevDS', 'fcjdevDS11', 'fcjdevDS120', 'FCUBS', 'FCUBS120_XA', 'FCUBSScheduler', 'jdbcregistryDS', and 'mds-oim'.

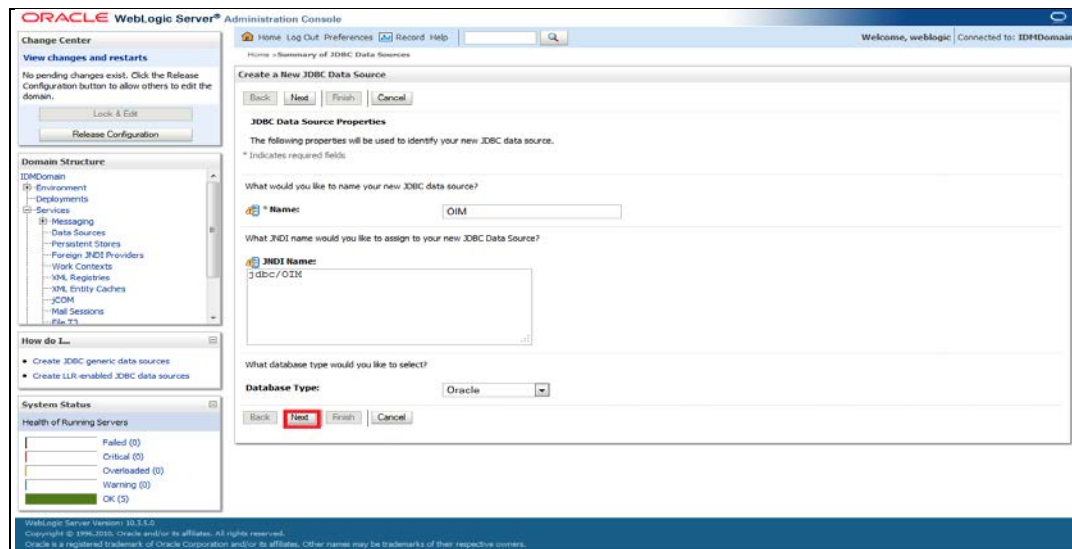
Name	Type	JNDI Name	Targets
Generic Data Source	Generic	jdbc/EDNDataSource	soa_server1
GridLink Data Source	Generic	jdbc/EDNLocalTxDataSource	soa_server1
Multi Data Source	Generic	jdbc/EDNLocalTxDataSource	soa_server1
fcjdevDS	Generic	jdbc/fcdevDS	Applications
fcjdevDS11	Generic	jdbc/fcdevDS11	Applications
fcjdevDS120	Generic	jdbc/fcdevDS120	Applications
FCUBS	Generic	jdbc/fcdevDS	AdminServer, Applications
FCUBS120_XA	Generic	jdbc/fcdevDS120_XA	Applications
FCUBSScheduler	Generic	jdbcregistryDS	Applications
jdbcregistryDS	Generic	jdbcregistryDS	wls_ods1, wls_of1, osr_server1
mds-oim	Generic	jdbcmds/MDS_REPOS	oim_server1

The following screen will get displayed.

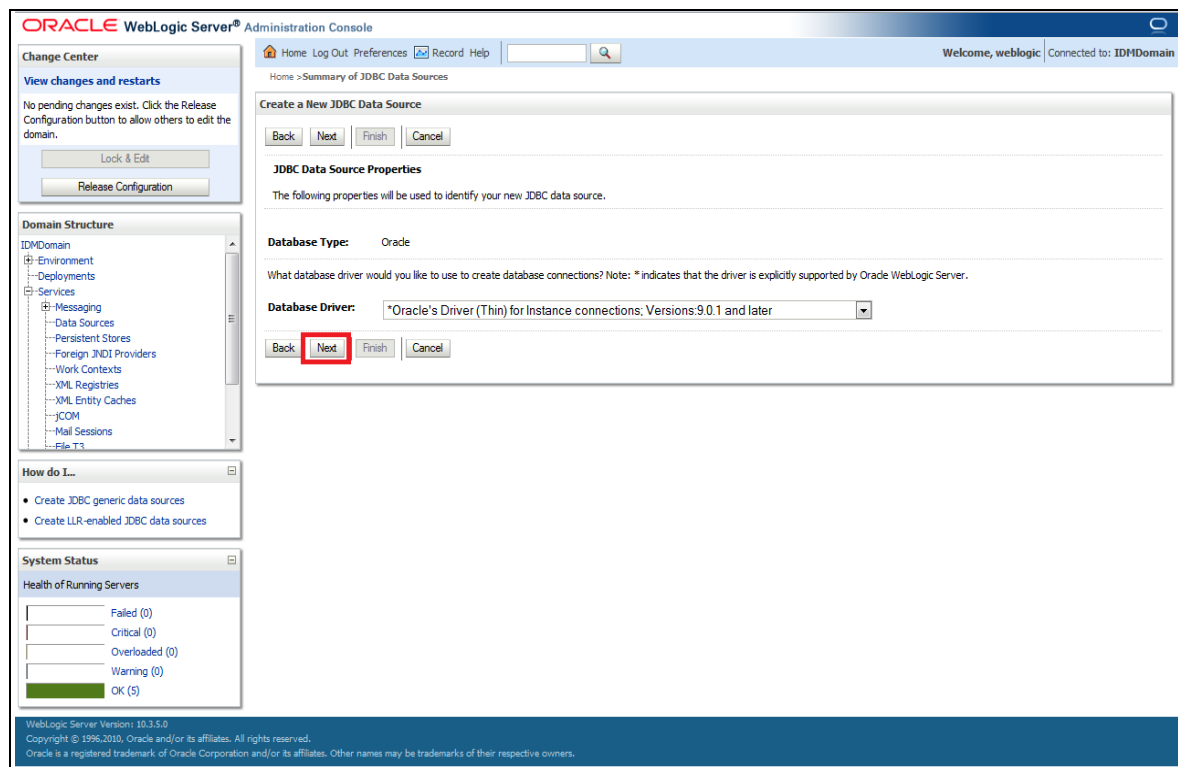
Enter the Data Source Name and JNDI Name as mentioned in the <FCIS Release Name>\ADAPTERS\OIM\FCUBSLOVAdService\config\lookup_prop.xml → value of the key FCUBS_CON_POOLNAME.

For example value of the key FCUBS_CON_POOLNAME is OIM then:

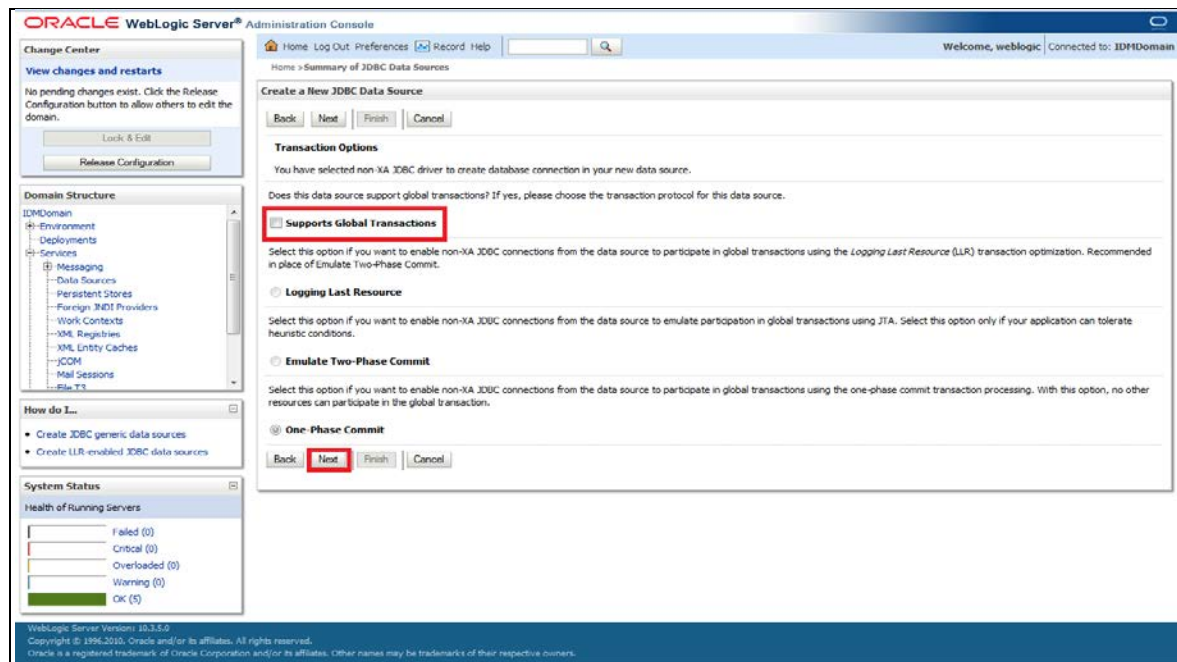
Name	OIM
JNDI Name	jdbc/OIM
Database Type	Oracle



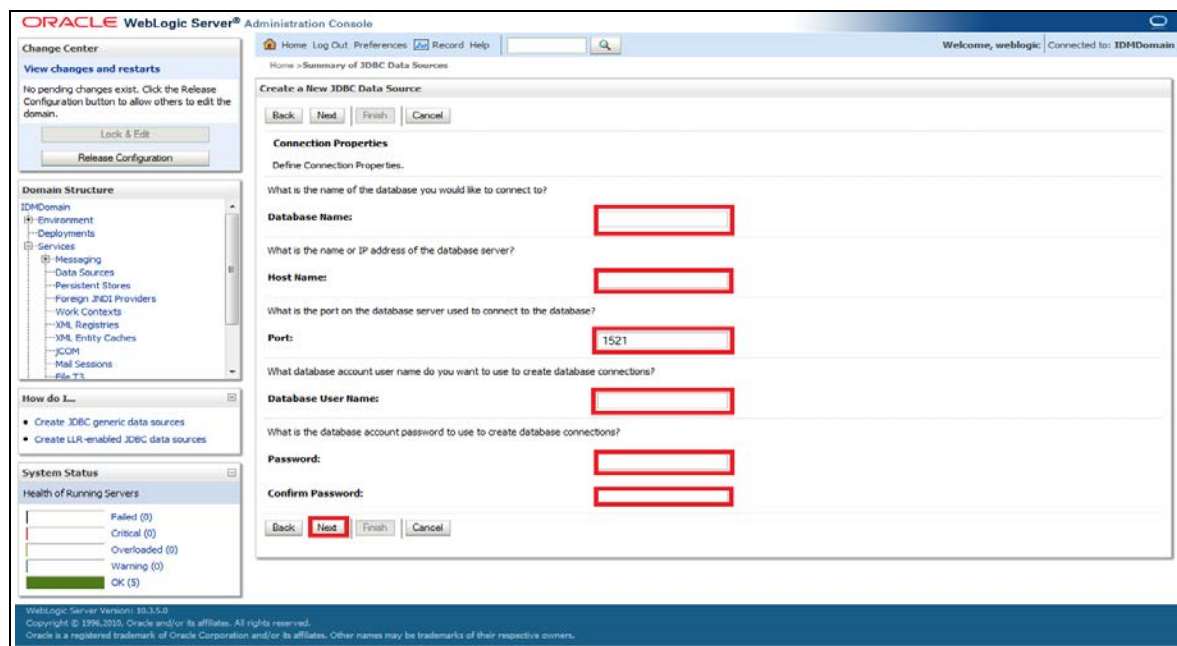
The following screen will get displayed. Select Database Driver as Oracle's Driver (Thin) for Instance connections: Versions 9.0.1 and later. Click on Next.



We get the following screen in which un-check Supports Global Transactions and click on Next.



The following screen will get displayed. Enter the Database Name, Host Name, Port, Database User Name, Password and Confirm Password. Click on Next.



The following screen will get displayed. Click on 'Test Configuration'.

It will display "Connection test succeeded" as shown below. If it is not getting displayed then verify the correctness of all data source properties entered. Click on Finish button.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: IDHDomain

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

Domain1

Environment

Deployments

Services

Messaging

Data Sources

Persistent Stores

Foreign JNDI Providers

Work Contexts

XML Registries

XML Entity Caches

JCOA

Mail Sessions

File FS

How do I...

Create JDBC generic data sources

Create LUR-enabled JDBC data sources

System Status

Health of Running Servers

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (5)

Home > Summary of JDBC Data Sources

Messages

Connection test succeeded

Create a New JDBC Data Source

Test Configuration Back Next Finish Cancel

Test Database Connection

Test the database availability and the connection properties you provided.

What is the full package name of JDBC driver class used to create database connections in the connection pool?

Driver Class Name: oracle.jdbc.OracleDriver

What is the URL of the database to connect to? The format of the URL varies by JDBC driver.

URL: jdbc:oracle:thin:@10.10.10.10:1521:orcl

What database account user name do you want to use to create database connections?

Database User Name: DAY0114

What is the database account password to use to create database connections?

Password: *****

Confirm Password: *****

What are the properties to pass to the JDBC driver when creating database connections?

Properties: user=DAY0114

The set of driver properties whose values are derived at runtime from the named system property.

The following screen will get displayed. Click on Activate Changes.

ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: IDHDomain

Change Center

View changes and restarts

Pending changes exist. They must be activated to take effect.

Activate Changes

Undo All Changes

Domain Structure

- IDHDomain
 - Environment
 - Deployments
 - Services
 - Message
 - Data Sources
 - Persistent Stores
 - Foreign JNDI Providers
 - Work Contexts
 - XML Registries
 - XML Entity Caches
 - JCOM
 - Mail Sessions
 - File-TS

How do I...

- Create JDBC generic data sources
- Create JDBC GridLink data sources
- Create JDBC multi data sources
- Delete JDBC data sources
- Delete JDBC multi data sources

System Status

Health of Running Servers

- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (0)

Summary of JDBC Data Sources

Configuration Monitoring

A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then borrow a database connection from a data source.

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Customize this Table

Data Sources (Filtered - More Columns Exist)

New Delete Showing 1 to 10 of 20 Previous Next

Name	Type	JNDI Name	Targets
EDNDataSource	Generic	jdbc/EDNDataSource	soa_server1
EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1
fcjdevOS	Generic	jdbc/fcjdevOS	Applications
fcjdevOS11	Generic	jdbc/fcjdevOS11	Applications
fcjdevOS120	Generic	jdbc/fcjdevOS120	Applications
FCUGS	Generic	jdbc/fcjdevOS	AdminServer, Applications
FCUBS120_XA	Generic	jdbc/fcjdevOS120_XA	Applications
FCUBSScheduler	Generic	jdbc/fcjdevOS120_XA	Applications
jdbcregistryOS	Generic	jdbcregistryOS	wls_eds1, wls_of1, oas_server1
mds-oin	Generic	jdbc/mdsMDS_REPOS	oas_server1

New Delete Showing 1 to 10 of 20 Previous Next

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