

Oracle Identity Manager Integration Implementation Guide
Oracle FLEXCUBE Investor Servicing
Release 12.0.3.0.0
[April] [2014]



Table of Contents

1. INTRODUCTION	1-1
1.1 ORACLE IDENTITY MANAGER	1-1
1.2 SCOPE.....	1-1
1.3 ADVANTAGE.....	1-1
1.4 ABBREVIATIONS AND ACRONYMS	1-1
2. REQUIREMENTS / PROBLEM STATEMENT	2-1
2.1 INTRODUCTION	2-1
3. PREREQUISITES.....	3-1
3.1 SOFTWARE REQUIRED	3-1
3.2 FCIS COMPONENT REQUIRED	3-1
4. SYSTEM DESCRIPTION	4-1
4.1 ABOUT ORACLE IDENTITY MANAGER	4-1
4.1.1 <i>Oracle Identity Manager System Components.....</i>	<i>4-1</i>
4.1.2 <i>Oracle Identity Manager Integration Solutions.....</i>	<i>4-2</i>
4.2 INTEGRATION / DESIGN ARCHITECTURE	4-3
4.3 PROVISIONING DESIGN ARCHITECTURE.....	4-3
4.3.1 <i>Reconciliation Design Architecture.....</i>	<i>4-4</i>
4.3.2 <i>Design Constraints</i>	<i>4-4</i>
4.3.3 <i>Message flow</i>	<i>4-4</i>
5. INSTALLATION / CONFIGURATION	5-1
5.1 ENVIRONMENT SETUP/CONFIGURATIONS.....	5-1
5.1.1 <i>OIM FCIS Adapter Setup.....</i>	<i>5-1</i>
5.1.2 <i>Deployment.....</i>	<i>5-7</i>
5.2 DEPLOY FCISPROVISIONINGADSERVICE	5-13
5.2.1 <i>OIM setup</i>	<i>5-19</i>
5.3 SYSTEM CONFIGURATIONS	5-59
5.3.1 <i>Integration Specific Configurations.....</i>	<i>5-59</i>
5.3.2 <i>OIM Configurations.....</i>	<i>5-63</i>
6. SOLUTION / USAGE GUIDELINES	6-1
6.1 WORKING WITH OIM	6-1
6.1.1 <i>Creating a user in FCIS through OIM.....</i>	<i>6-1</i>
6.1.2 <i>Modifying a user in FCIS through OIM.....</i>	<i>6-14</i>
6.1.3 <i>Disabling/enabling and deleting a user in FCIS through OIM.....</i>	<i>6-19</i>
6.1.4 <i>Running Reconciliation in OIM.....</i>	<i>6-20</i>
7. REFERENCE.....	7-1
7.1 REFERENCE	7-1
8. APPENDIX	8-1
8.1 DATA SOURCE CREATION.....	8-1

1. Introduction

1.1 Oracle Identity Manager

For the purpose of centralized user provisioning FCIS is qualified with Oracle Identity Manager 9.1.0. This feature is available in the releases FCIS V. 8.4.0.0.0.0.0 and onwards of FCIS.

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.

1.2 Scope

This document is expected to provide 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.

1.3 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.

1.4 Abbreviations and Acronyms

Abbreviation	Description
FCIS	Oracle FLEXCUBE Investor Servicing
OIM	Oracle Identity Manager
SPML	Service Provisioning Mark-up Language
DSML	Directory Service Mark-up Language
GTC	Generic Technology Connector

2. Requirements / Problem Statement

2.1 Introduction

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 Identity Manager 9.1

Refer Oracle Identity Manager Document for software that is required for Oracle Identity Manager itself.

Oracle Identity Manager Connector Pack Release 9.0.4.1 (In case of Single sign on)

3.2 FCIS Component Required

FCIS 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 provides centralized user identity management services with following system components:

User interfaces

Oracle Identity Manager user interfaces define and administer the provisioning environment. Oracle Identity Manager offers two user interfaces to satisfy both administrator and user requirements:

Powerful Java-based Design Console for developers and system administrators

Web-based Administration Console for identity administrators and end users

Provisioning Manager

The Provisioning Manager is where provisioning transactions are assembled and modified. The Provisioning Manager maintains the "who" and "what" of provisioning. User profiles, access policies, and resources are defined through the Provisioning Manager, as are business process workflows and business rules.

Provisioning Server

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

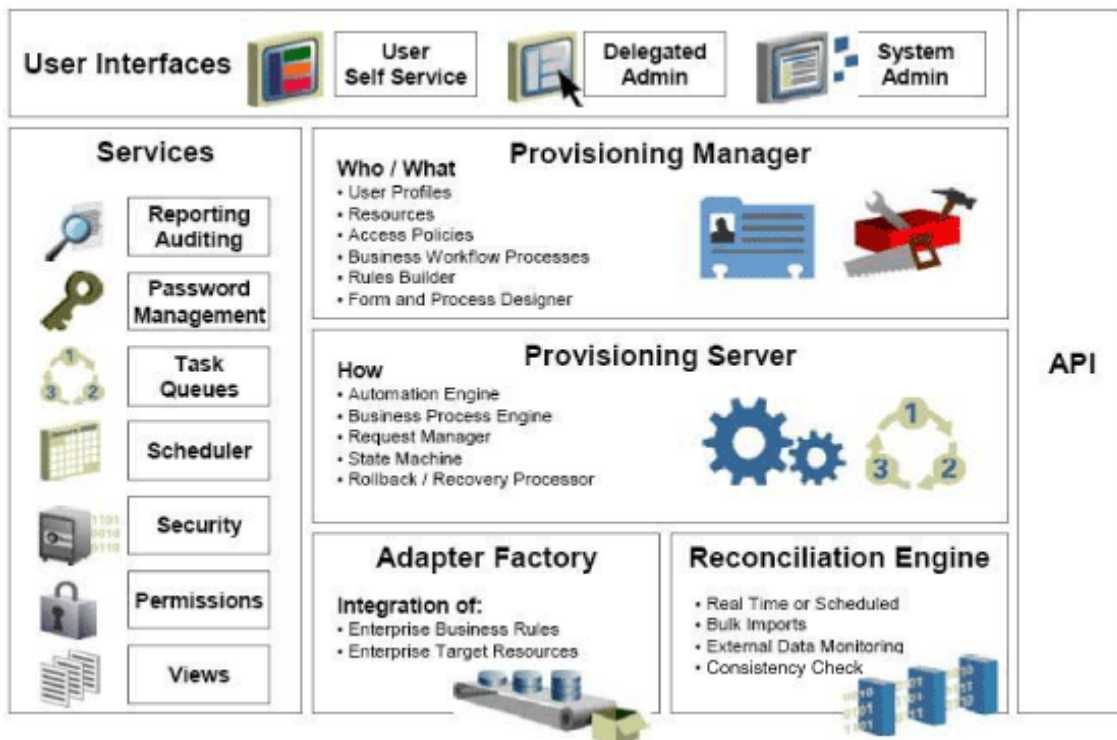
Adapter Factory

The Adapter Factory builds and maintains the integrations between Oracle Identity Manager and managed systems and applications. The Adapter Factory is designed to eliminate the need for hard-coding integrations with these systems.

Reconciliation Engine

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 rules located inside and outside the provisioning system to ensure consistency.

Following figure shows how the various Oracle Identity Manager's system components work together and interact with each other to manage user identities.



4.1.2 Oracle Identity Manager Integration Solutions

Oracle Identity Manager has a three-tier integration solutions strategy to provide connectors to various heterogeneous identity-aware IT systems. The three tiers are:

- Out-of-the box integration using predefined connectors and predefined generic technology connector providers
- Custom connectors using the Adapter Factory
- Connectors based on custom generic technology connector providers

4.2 Integration / Design Architecture

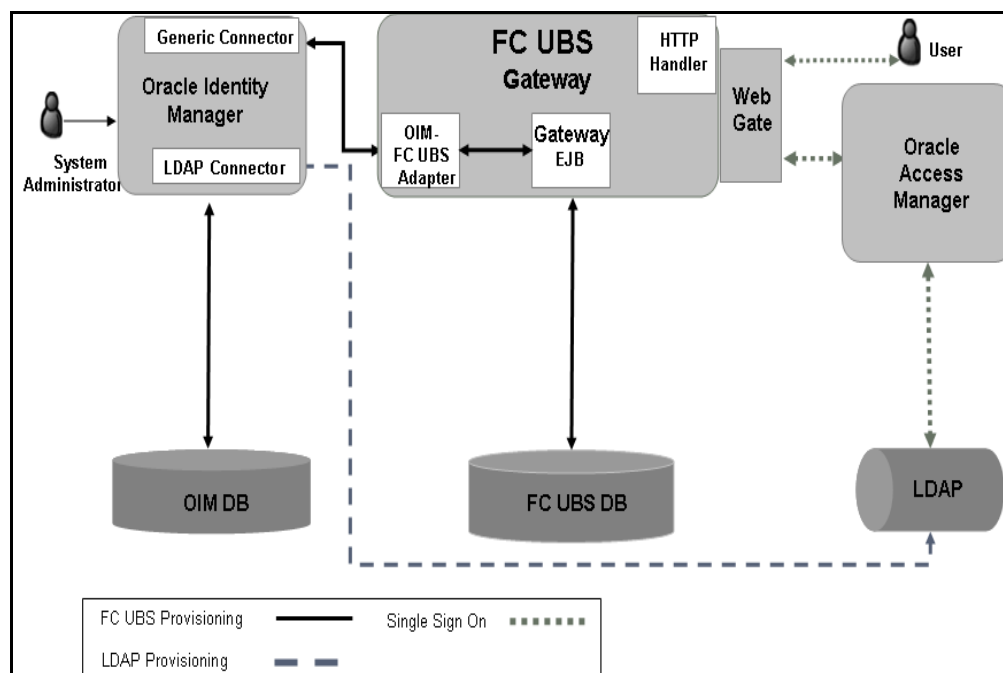
With the integration of FCIS and Oracle Identity Manager, a user can be created, modified, closed, and reopened in FCIS. Oracle Identity Manager acts as the front-end entry point for managing mandatory fields of FCIS user. After users are provisioned, the users can access the FCIS without any interaction 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

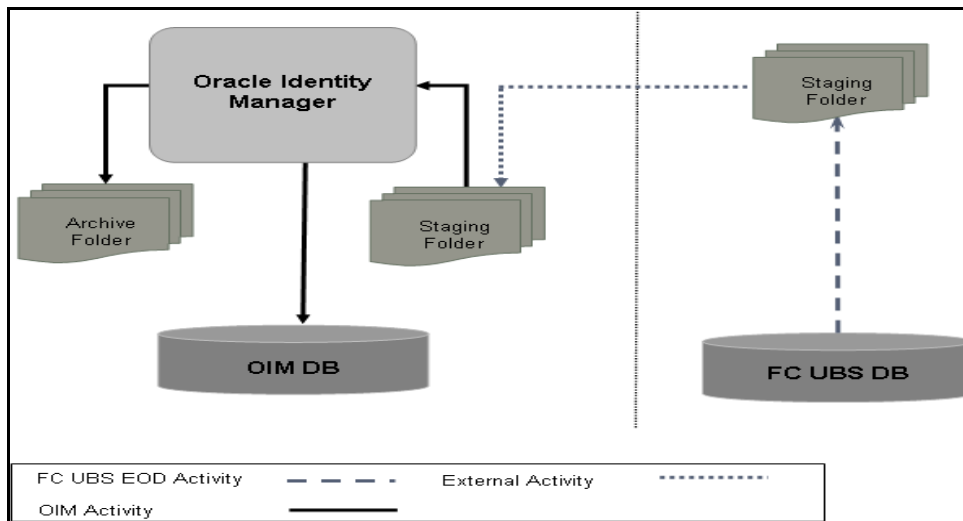
For the purpose of integration of Oracle Identity manager and FCIS “Generic technology connector” (GTC) has been used. GTC provides out of box providers for provisioning and reconciliation.

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

4.3 Provisioning Design Architecture



4.3.1 Reconciliation Design Architecture



4.3.2 Design Constraints

The followings are the design constraints for this integration:

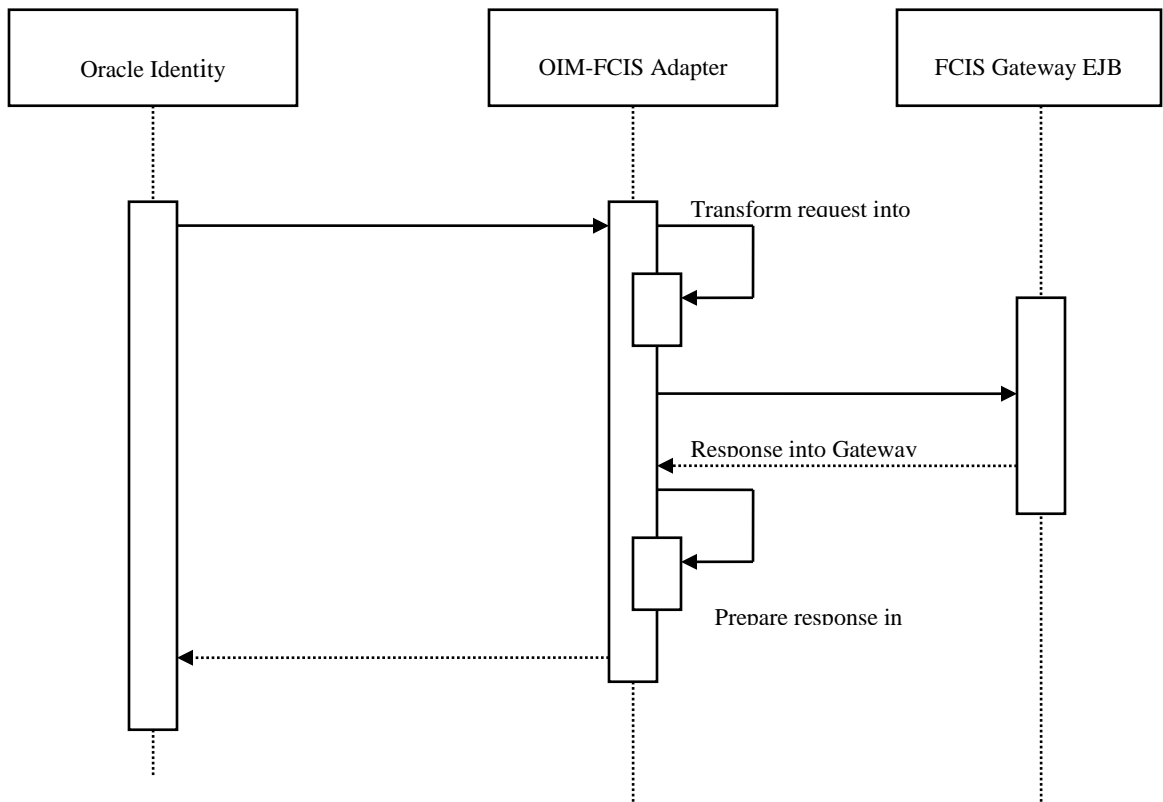
- This integration is based upon sample configuration containing only mandatory fields of FCIS user while defining the GTC. Other fields can be defined in the GTC using the same configurations.
- Due to specific data requirement for FCIS user creation, only manual provisioning method can be used for 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.

4.3.3 Message flow

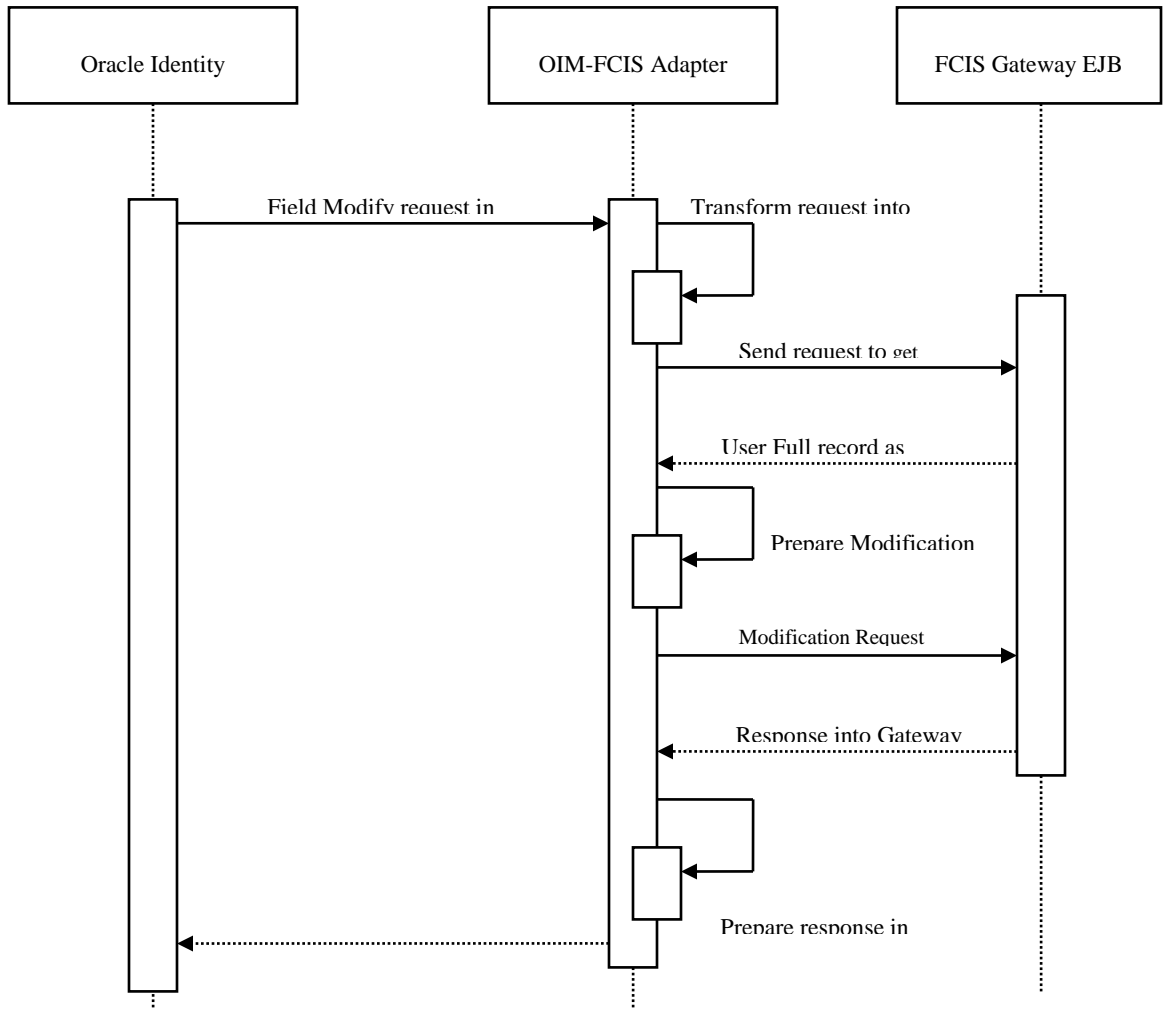
OIM-FCIS adapter would transform the request from the OIM SPML/DSML to FCIS Gateway request using Extensible Style sheet Language Transformation (XSLT). Transformed XML request will be sent to the FCIS Gateway EJB for further processing based on the type of the request. Based on the FCIS Gateway EJB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

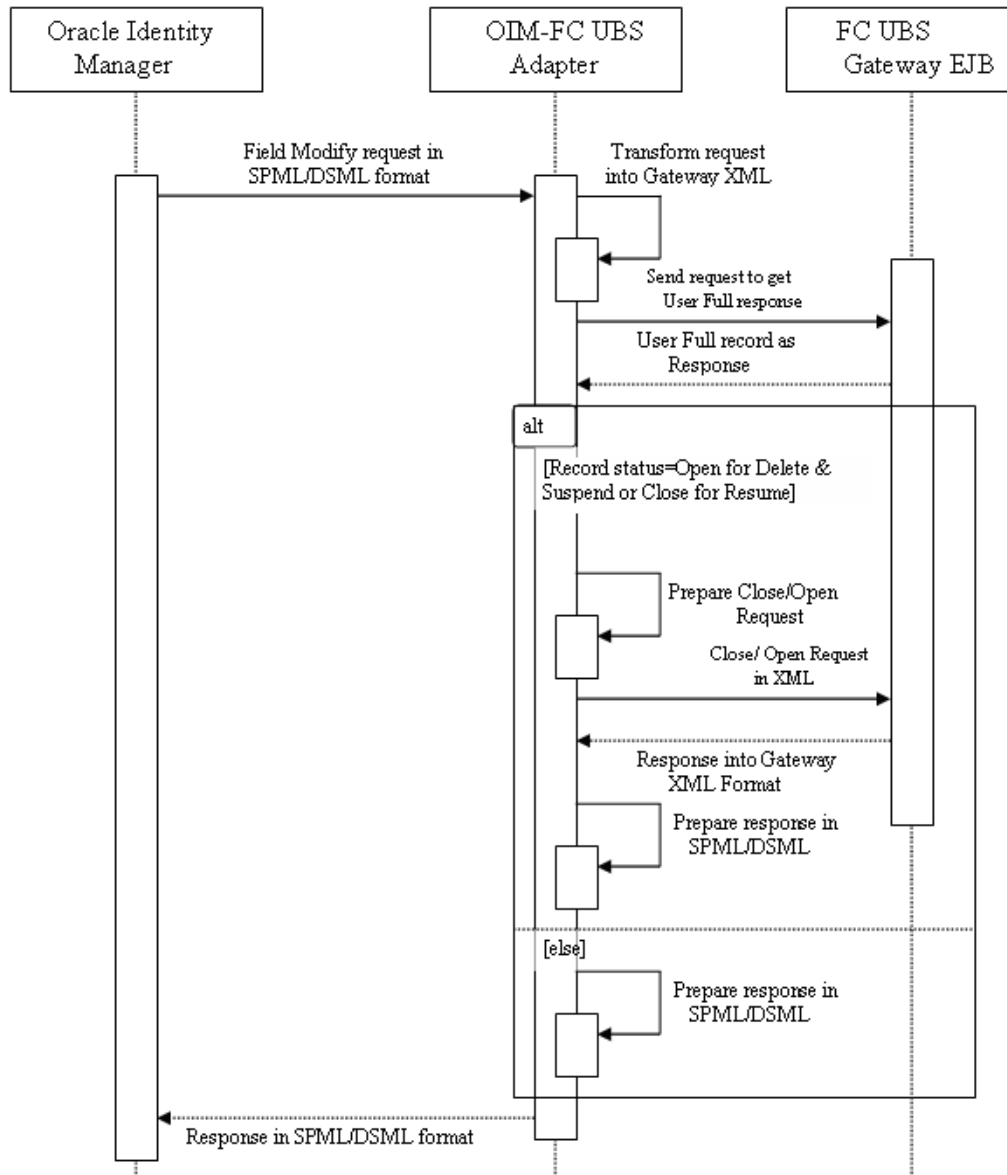
4.3.3.1 Message exchange sequence for User Creation



4.3.3.2 Message exchange sequence for User Field Modification/Set Password



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



5. Installation / Configuration

5.1 Environment Setup/Configurations

FCIS - OIM Integration environment setup requires

- OIM FCIS Adapter setup & configuration
- OIM setup

Note

This implementation document describes the installation and setup of OIM FCIS Adapter on Oracle 10g 10.1.3.3.0 SOA.

5.1.1 OIM FCIS Adapter Setup

Prerequisite

Gateway EJB component

OIM FCIS adapter consists of two web services:

- FCUSLOVAdService : To fetch list of values from FCIS Database
- FCUSProvisioningAdService: To handle OIM's request and response for user provisioning and de-provisioning services. This web service requires FCIS Gateway EJB either on same Oracle application server or another. If it is on same Oracle 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 10g 10.1.3.3.0 SOA.

5.1.1.1 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
 - FCISV.UM10.1.0.0.0.0\ADAPTERS\OIM\FCUBSSLOVAdService
 - FCISV.UM10.1.0.0.0.0\ADAPTERS\OIM\FCUBSProvisioningAdService
 - FCISV.UM10.1.0.0.0.0\ADAPTERS\OIM\setup

to local machine (say **D:\Kernel10.1\OIM** for WINDOWS or **/home/kernel/Kernel10.1/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.

Note

Please do the following steps to support **FCIS** Functionality:

- a. Go to the path,

D:\Kernel10.1\OIM\FCUBSProvisioningAdService\src\com\iflex\fcubs\adoimservices\ws\ADOIMMSGProcessor.java.
 - b. Replace '**User-Full**' with '**UserMaster**'. (it is because FCIS supports UserMaster/UserMaster-IO).
2. Go to **D:\Kernel10.1\OIM\setup** directory (for WINDOWS) or **/home/kernel/Kernel10.1/OIM/setup** directory (for UNIX). Update following parameters with relevant values in **set_env.bat** (for Windows platform) and **set_env.sh** (for UNIX platform).

APP_SERVER_NAME

This parameter specifies the name of the J2EE compliant application server.

For Oracle 10g AS Application Server, this parameter should be set as

APP_SERVER_NAME=OC4J

APP_SERVER_HOME

This parameter specifies the installation directory of the application server.

For Oracle 10g AS Application Server, enter the path of the installation directory. e.g.:
APP_SERVER_HOME=D:\Oracle10gAS

SPMLADAPTER_INSTALL_DIR

This parameter specifies the directory where adapter will be installed.

For instance,

For WINDOWS:

SPMLADAPTER_INSTALL_DIR=D:\Kernel10.1

For UNIX:

SPMLADAPTER_INSTALL_DIR=/home/kernel/Kernel10.1

OIM_SERVER_INSTALL_DIR

This parameter specifies the OIM server installation directory. No need to set this value while deploying adapter.

3. Create a Data source in Oracle 10g Application Server.

[\[Refer Appendix 10.1 Data Source Creation\]](#)

4. 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>OIMLOVDS</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:/Kernel10.1/OIM/FCUBSLOVAdService/config/</env-entry-value>
</env-entry>
```

- ✓ **Edit resource-ref section:** Mention the JNDI name of the Datasource created in Application server for FCIS 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="OIMLOVDS"/>
<!-- DataBase Connection -->
<add key="LOGGER_PATH" value="D:/Kernel10.1/OIM/FCUBSLOVAdService/config/lookup_logger.xml"/>
```

- ✓ **Edit FCUBS_CON_POOLNAME:** Give the same Datasource JNDI name mentioned in above web.xml for FCIS 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:/Kernel10.1/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-local-ref id="EjbLocalRef">
    <ejb-ref-name>GW_EJB_Bean</ejb-ref-name>
    <ejb-ref-type>Session</ejb-ref-type>
    <local-home>com.iflex.FCIS.gw.ejb.GWEJBLocalHome</local-home>
    <local>com.iflex.FCIS.gw.ejb.GWEJBLocal</local>
    <ejb-link>GW_EJB_Bean</ejb-link>
</ejb-local-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:\Kernel10.1\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

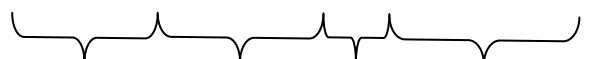
<SPMLADAPTER_INSTALL_DIR>\OIM\FCISLOVAdService\config\ADOIM_Prop.xml. This XML file shall have a similar section as the one shown below, (Change the values given in bold)

```
<add key="GW_EJB_JNDI_NAME" value="GW_EJB_Bean" />
<add key="GW_EJB_CALL_TYPE" value="LOCAL" />
<add key="GW_EJB_CTX_FACTORY" value="oracle.j2ee.rmi.RMIInitialContextFactory" />
<add key="GW_EJB_SERVER_URL" value="opmn:ormi://10.80.150.188:6004/GW_EJB_Bean" />
<add key="GW_EJB_SECURITY_PRINCIPAL" value="oc4jadmin" />
<add key="GW_EJB_SECURITY_CREDENTIALS" value="iK#PSTU" />
```

- ✓ **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 FCIS Gateway EJB is deployed on same Oracle application server then it should be LOCAL.
- ✓ **Edit GW_EJB_SERVER_URL:** Give the application server URL where Gateway EJB is deployed.

Following are the parts that make this URL:

opmn:ormi://10.80.150.188:6004/GW_EJB_Bean



Protocol Host Name OPMN Port EJB Name

- **Protocol:** This should be opmn:ormi as in SOA application server, OC4J is managed by process manager.
- **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 opmn.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 GW_EJB_SECURITY_PRINCIPAL:** Give the administrator user id of the application server where Gateway EJB is running.
- ✓ **Edit GW_EJB_SECURITY_CREDENTIALS:** Password of the application server where Gateway EJB is running.

To store application server password follow the below steps: these steps will encrypt the Application server's administrator password and store that into property file:

- Open command prompt.
- Change the directory to the **<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\setup.**
- Type **ChangePassword.bat** and press the enter key.
- Above will prompt you for properties file path
 - Enter the absolute path of **ADOIM_Prop.xml**.
 - Enter the property file name as ADOIM_Prop.xml.
 - Enter the User Id property name as GW_EJB_SECURITY_PRINCIPAL
 - Enter Oracle Application server's administrator User ID
 - Enter the Password property name as GW_EJB_SECURITY_CREDENTIALS
 - Enter Oracle Application server's administrator password and press enter key

The above steps will store the encrypted password in the property file. Please note that on successful completion "The Password has been changed successfully!!!" message will appear at the end. If not so please repeat the steps for storing password again.

- Edit following section in the **<SPMLADAPTER_INSTALL_DIR>\OIM\FCISProvisioningAdService\config\ADOIM_Prop.xml** file: (Change the values given in bold)

```
<add key="MAKER_ID" value="SYSADMIN"/>
<add key="HEAD_OFFICE" value="000"/>
<add key="REQ_SOURCE" value="FCAT"/>

<add key="LOGGER_PATH" value="D:/Kernel10.1/OIM/FCUBSProvisioningAdService/config/adoim_logger.xml"/>
<add key="FCIS_SPML_ERROR_FILE" value="D:/Kernel10.1/OIM/FCUBSProvisioningAdService/config/FCIS_spml_error.properties"/>
<add key="ADOIM_MSG_LOGGING_ENABLED" value="N"/>
<add key="ADOIM_MSG_LOGGING_PATH" value="D:/Kernel10.1/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 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 FCIS_SPML_ERROR_FILE:** Give the absolute path for FCIS_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:/Kernel10.1/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.

2. Building the Deployment Units.

- For WINDOWS

- Open a DOS command-prompt and change directory to,

D:\Kernel10.1\OIM\setup

- On the command-prompt type set_env.bat and press enter.
- Change directory to,

D:\Kernel10.1\OIM\FCUBSLOVAdService\setup\OC4J

- Execute the build file,
 - Type "ant" on the command-prompt and press enter.

Above step creates an EAR file in

D:\Kernel10.1\OIM\FCUBSLOVAdService\build\FCUBSLOVAdService folder with the name FCUBSLOVAdService.ear

- Change directory to,

D:\Kernel10.1\OIM\FCUBSProvisioningAdService\setup\OC4J

- Execute the build file,
 - Type "ant" on the command-prompt and press enter.

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

- For UNIX

- Open a UNIX shell prompt and change directory to,

/home/kernel10.1/OIM/setup

- On the command-prompt type set_env.sh and press enter.
- Change directory to,

/home/kernel/Kernel10.1/OIM/FCUBSLOVAdService/setup/OC4J

- Execute the build file,
Type “ant” on the shell prompt and press enter.

Above step creates an EAR file in
/home/kernel/Kernel10.1/OIM/FCUBSLOVAdService/build/FCUBSLOVAdService
folder with the name FCUBSLOVAdService.ear

- Change directory to,

/home/kernel/Kernel10.1/OIM/FCUBSProvisioningAdService\setup\OC4J

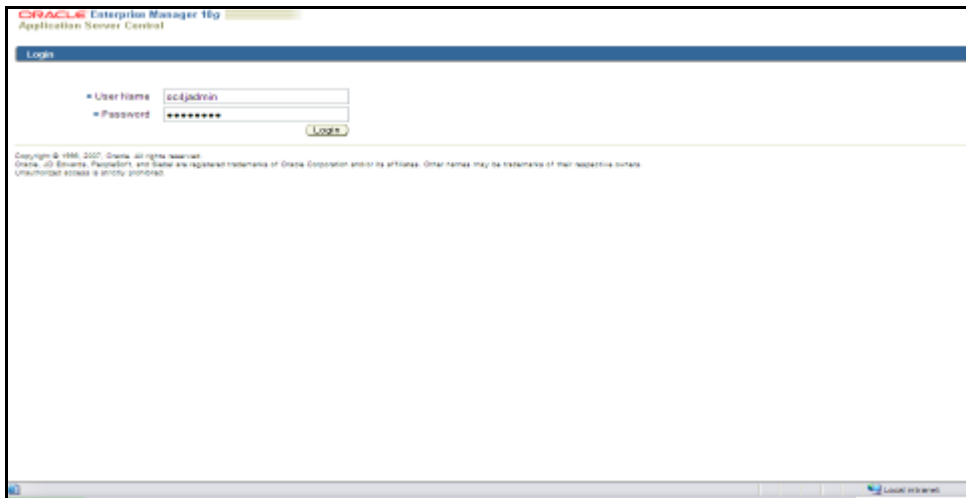
- Execute the build file,
Type “ant” on the command-prompt and press enter.

Above step creates an EAR file in /home/kernel/Kernel10.1/OIM
FCUBSProvisioningAdService/build/FCUBSProvisioningAdService folder with the name
FCUBSProvisioningAdService.ear

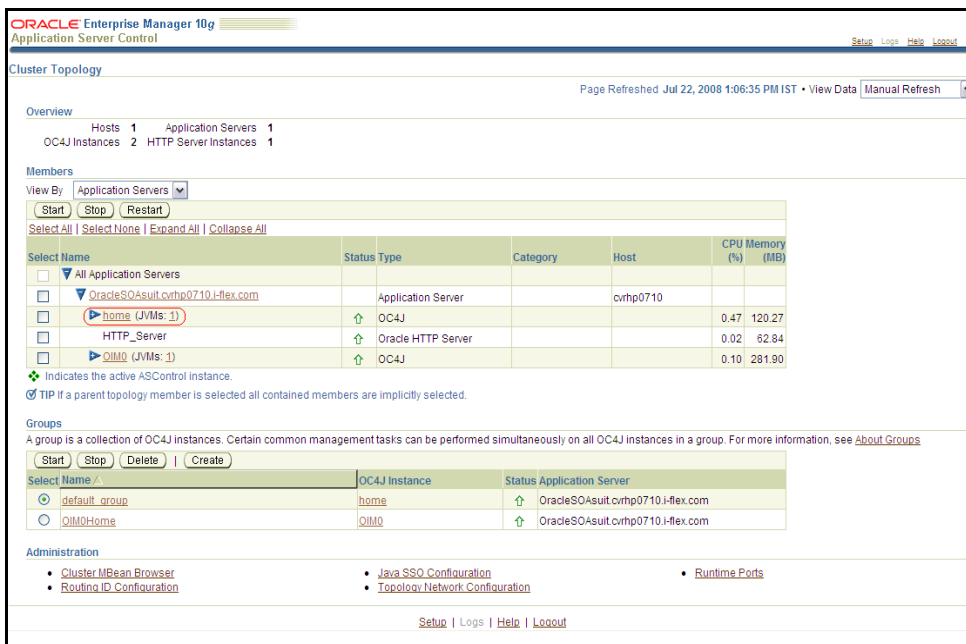
5.1.2 Deployment

5.1.2.1 Deploy FCISLOVAdService

1. Login to Administrative Console
 - ✓ Enter OC4J administrator username/password and press **Login**.



2. Click on home as shown in below screen:



3. Navigate to the “Application screen” as shown below.

ORACLE Enterprise Manager 10g
Application Server Control

Cluster Topology > Application Server: OracleSOAsuit.cvrhp0710.i-flex.com >
OC4J: home

Page Refreshed Jul 22, 2008 1:17:55 PM IST • View Data Manual Refresh

Home Applications Web Services Performance Administration

General

Status Up
Start Time Unavailable
Version 10.1.3.3.0
Oracle Home D:\Product\OracleSOAHome
Host cvrhp0710.i-flex.com
Virtual Machines Unavailable
Notifications g

Stop Restart

Response and Load

0.03
0.02
0.01
0.00
0.00
0.00

11:18:40 PM 2:20:40:00

Request Processing Time (seconds)
Requests per second

Home Applications Web Services Performance Administration

Setup | Logs | Help | Logout

Copyright © 1999, 2007, Oracle. All rights reserved.
Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
About Oracle Enterprise Manager 10g Application Server Control

4. The following screen is displayed.
✓ Click on Deploy.

ORACLE Enterprise Manager 10g
Application Server Control

Cluster Topology > Application Server: OracleSOAsuit.cvrhp0710.i-flex.com >
OC4J: home

Page Refreshed Jul 22, 2008 4:45:12 PM IST

Home Applications Web Services Performance Administration

This page shows the J2EE applications and application components (EJB Modules, WAR Modules, Resource Adapter Modules) deployed to this OC4J instance.

View Applications

Start Stop Restart Undeploy Redeploy Deploy

Select All | Select None | Expand All | Collapse All

Select Name	Status	Start Time	Active Requests	Request Processing Time (seconds)	Active EJB Methods	Application Defined MBeans
▼ All Applications						
ascontrol	↑	Jul 22, 2008 12:29:06 PM IST	1	0.00	0	0
▼ default	↑	Jul 22, 2008 12:29:06 PM IST	0	0.00	0	0
GW EJB Bean	↑	Jul 22, 2008 4:44:27 PM IST				
► Middleware Services						

TIP If you stop a parent application (such as the default application), then Enterprise Manager automatically stops any child applications that depend upon the parent application. Similarly, if you start a child application, Enterprise Manager automatically starts the required parent application.

Home Applications Web Services Performance Administration

Setup | Logs | Help | Logout

Copyright © 1999, 2007, Oracle. All rights reserved.
Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
About Oracle Enterprise Manager 10g Application Server Control

5. The following screen is displayed.
✓ Click on Browse.
✓ Specify the local path of the enterprise archive file:

<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\build\
FCUBSLOVAdService\FCUBSLOVAdService.ear

- ✓ Click on Next.

ORACLE Enterprise Manager 10g
Application Server Control

Setup | Logs | Help | Logout

Select Archive Application Attributes Deployment Settings

Deploy: Select Archive

Cancel Step 1 of 3 Next

Archive

The following types of archives can be deployed: J2EE application (EAR files), Web Modules (WAR files), EJB Modules (EJB JAR files) and Resource Adapter Modules (RAR files).

☒ Archive is present on local host. Upload the archive to the server where Application Server Control is running.

Archive Location

☐ Archive is already present on the server where Application Server Control is running.

Location on Server

The location on server must be the absolute path or the relative path from J2ee/home

Deployment Plan

The deployment plan is an XML file that contains the deployment settings for an application. If you do not have a deployment plan, one will be created automatically during the deployment process. Later in the deployment process, you can optionally edit the deployment plan and save it for a future deployment of this application.

☒ Automatically create a new deployment plan.

The deployment plan settings will be based on OC4J defaults and information contained in the archive

☐ Deployment plan is present on local host. Upload the deployment plan to the server where Application Server Control is running.

Plan Location

☐ Deployment plan is already present on server where Application Server Control is running.

Location on Server

The location on server must be the absolute path or the relative path from J2ee/home

Cancel Step 1 of 3 Next

Setup | Logs | Help | Logout

Copyright © 1999, 2007, Oracle. All rights reserved.
Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
About Oracle Enterprise Manager 10g Application Server Control

- The following screen is displayed.
 - ✓ Enter the Application name - FCISLOVAdService.
 - ✓ Click on Next.

ORACLE Enterprise Manager 10g
Application Server Control

Help | Logout

Select Archive Application Attributes Deployment Settings

Deploy: Application Attributes

Cancel Back Step 2 of 3 Next

Archive Type J2EE Application (EAR file)

Archive Location D:\Kernel10.1\OIM\FCUBSLOVAdService\build\FCUBSLOVAdService\FCUBSLOVAdService.ear

Deployment Plan Creating a new plan

* Application Name

Parent Application default

Bind Web Module to Site default-web-site

Context Root	Web Module	Context Root
	FCUBSLOVAdService.war	FCUBSLOVAdService

Cancel Back Step 2 of 3 Next

Help | Logout

Copyright © 1999, 2007, Oracle. All rights reserved.
Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
About Oracle Enterprise Manager 10g Application Server Control

- The following screen is displayed.
 - ✓ Go to Configure Class Loading Task.

ORACLE Enterprise Manager 10g
Application Server Control

Help Logout

Select Archive Application Attributes **Deployment Settings**

Deploy: Deployment Settings

Archive Type: J2EE Application (EAR file)
Archive Location: D:\Kernel10.1\OIM\FCUBSLOVAdService\build\FCUBSLOVAdService\FCUBSLOVAdService.ear
Application Name: FCUBSLOVAdService
Parent Application: default
Bind Web Module to Site: default-web-site
Context Root: FCUBSLOVAdService

Deployment Plan: Creating a new plan

Cancel Back Step 3 of 3 Deploy

Deployment Tasks
The table below provides a set of common deployment tasks you might want to perform for this application. Only those tasks that apply to the current application are enabled.

Task Name	Go To Task	Description
Map Environment References		Map any environment references in your application (for example, data sources) to physical entities currently present on the operational environment.
Select Security Provider		A security provider acts as the source for available users and groups when mapping security roles.
Map Security Roles		Map any security roles exposed by your application to existing users and groups. The list of users and groups is obtained from the security provider you selected for this application.
Configure EJBs		Configure the Enterprise JavaBeans in your application.
Configure Clustering		Configure clustering of your application.
Configure Class Loading		Manipulate the classpath of your application.

Advanced Deployment Plan Editing
Click Edit Deployment Plan to set more advanced deployment options.

Edit Deployment Plan

Save Deployment Plan
After you make changes, you can save the deployment plan to your local disk. You can then use the saved deployment plan to redeploy this application later.

Save Deployment Plan

Cancel Back Step 3 of 3 Deploy

Copyright © 1996, 2007, Oracle. All rights reserved.
Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
About Oracle Enterprise Manager 10g Application Server Control

8. The following screen is displayed.

- Here oracle.xml needs to be imported. To get this navigate through list of all shared library using Previous & Next navigation button.
- Check the textbox to import the shared library, oracle.xml
- Click on OK.

ORACLE Enterprise Manager 10g
Application Server Control

Help Logout

Select Archive Application Attributes **Deployment Settings**

Deployment Settings: Configure Class Loading

Archive Type: J2EE Application (EAR file)
Archive Location: D:\Kernel10.1\OIM\FCUBSLOVAdService\build\FCUBSLOVAdService\FCUBSLOVAdService.ear
Application Name: FCUBSLOVAdService
Parent Application: default
Bind Web Module to Site: default-web-site
Context Root: FCUBSLOVAdService

Deployment Plan: Creating a new plan

Cancel OK

Import Shared Libraries
The following table lists the shared libraries installed in this OC4J instance. Select Import to declare your application's dependency on a shared library. Optionally, specify a minimum or maximum version to import.

☒ Inherit parent application's shared library imports
☐ If TSP Vmwn checked, future changes to the parent application's shared library imports will be effective to this application.

Shared Library	Available Versions	Minimum Version To Use	Maximum Version To Use	Imported by Parent Application	Import
oracle.wsm	10.1.3				<input type="checkbox"/>
oracle.xml	10.1.0_2			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
oracle.xml.security	10.1.3			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
org.jprereqs	2.3			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
soap	10.1.3			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
util.concurrent	1.3.2				<input type="checkbox"/>
xqs.dtl	10.1.3.1.0				<input type="checkbox"/>

Configure Application Libraries
Add additional archives or directories to this application's classpath. Specify a path relative to the root of the EAR, or an absolute path on the target server.

Path: Delete

No application libraries have been configured.

Add Another Row

Configure Web Module Class Loaders
Use the table below to specify additional code sources for each Web module in your application. These can be either library files or locations for individual class files separated by semi-colons.

Web Module	Search Local Classes First	Include Web Manifest Class Path	Classpath
FCUBSLOVAdService.war	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="text"/>

Cancel OK

Copyright © 1996, 2007, Oracle. All rights reserved.
Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
About Oracle Enterprise Manager 10g Application Server Control

9. The following screen is displayed.

- ✓ Click Deploy.

ORACLE Enterprise Manager 10g
Application Server Control

Help Logout

Select Archive Application Attributes **Deployment Settings**

Information
Deployment plan has been updated successfully.

Deploy: Deployment Settings

Archive Type J2EE Application (EAR file) Application Name FCUBSLOVAdService
Archive Location D:\Kernel10.1 Parent Application default
Deployment Plan Creating a new plan Bind Web Module to Site default-web-site
Context Root FCUBSLOVAdService

Cancel Back Step 3 of 3 Deploy

Deployment Tasks
The table below provides a set of common deployment tasks you might want to perform for this application. Only those tasks that apply to the current application are enabled.

Task Name	Go To Task	Description
Map Environment References		Map any environment references in your application (for example, data sources) to physical entities currently present on the operational environment.
Select Security Provider		A security provider acts as the source for available users and groups when mapping security roles.
Map Security Roles		Map any security roles exposed by your application to existing users and groups. The list of users and groups is obtained from the security provider you selected for this application.
Configure EJBs		Configure the Enterprise JavaBeans in your application.
Configure Clustering		Configure clustering of your application.
Configure Class Loading		Manipulate the classpath of your application.

Advanced Deployment Plan Editing
Click Edit Deployment Plan to set more advanced deployment options.

Edit Deployment Plan

Save Deployment Plan
After you make changes, you can save the deployment plan to your local disk. You can then use the saved deployment plan to redeploy this application later.

Save Deployment Plan

Cancel Back Step 3 of 3 **Deploy**

Help Logout

10. The following screen is displayed. Please ensure the Web Service is successfully deployed.
✓ Click Return.

ORACLE Enterprise Manager 10g
Application Server Control

Help Logout

Confirmation

The Application "FCUBSLOVAdService" has been successfully deployed.

Return

Progress Messages

```

[Jul 22, 2008 5:10:13 PM] Application Deployer for FCUBSLOVAdService STARTS.
[Jul 22, 2008 5:10:13 PM] Copy the archive to D:\Product\Oracle\SOA\Home\j2ee\home\applications\FCUBSLOVAdService.ear
[Jul 22, 2008 5:10:13 PM] Initialize D:\Product\Oracle\SOA\Home\j2ee\home\applications\FCUBSLOVAdService.ear begins...
[Jul 22, 2008 5:10:13 PM] Unpacking FCUBSLOVAdService.ear
[Jul 22, 2008 5:10:13 PM] Done unpacking FCUBSLOVAdService.ear
[Jul 22, 2008 5:10:13 PM] Unpacking FCUBSLOVAdService.war
[Jul 22, 2008 5:10:13 PM] Done unpacking FCUBSLOVAdService.war
[Jul 22, 2008 5:10:13 PM] Initialize D:\Product\Oracle\SOA\Home\j2ee\home\applications\FCUBSLOVAdService.ear ends...
[Jul 22, 2008 5:10:13 PM] Starting application : FCUBSLOVAdService
[Jul 22, 2008 5:10:13 PM] Initializing ClassLoader(s)
[Jul 22, 2008 5:10:13 PM] Initializing EJB container
[Jul 22, 2008 5:10:13 PM] Loading connector(s)
[Jul 22, 2008 5:10:13 PM] Starting up resource adapters
[Jul 22, 2008 5:10:13 PM] Initializing EJB sessions
[Jul 22, 2008 5:10:13 PM] Committing ClassLoader(s)
[Jul 22, 2008 5:10:13 PM] Initialize FCUBSLOVAdService begins...
[Jul 22, 2008 5:10:13 PM] Initialize FCUBSLOVAdService ends...
[Jul 22, 2008 5:10:13 PM] Started application : FCUBSLOVAdService
[Jul 22, 2008 5:10:13 PM] Binding web application(s) to site default-web-site begins...
[Jul 22, 2008 5:10:13 PM] Binding FCUBSLOVAdService web-module for application FCUBSLOVAdService to site default-web-site under context root FCUBSLOVAdService
[Jul 22, 2008 5:10:17 PM] Initializing Servlet: oracle.j2ee.ws.server.JAXRPCServlet for web application FCUBSLOVAdService
[Jul 22, 2008 5:10:17 PM] Binding web application(s) to site default-web-site ends...
[Jul 22, 2008 5:10:17 PM] Application Deployer for FCUBSLOVAdService COMPLETES. Operation time: 4101 msec
  
```

Return

Help Logout

Copyright © 1999, 2007, Oracle. All rights reserved.
Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
About Oracle Enterprise Manager 10g Application Server Control

11. On successful deployment following can be observed on "Applications" screen

ORACLE Enterprise Manager 10g
Application Server Control

Cluster Topology > Application Server: OracleSOAsuit.cvrhp0710.i-flex.com >

OC4J: home

Page Refreshed Jul 22, 2008 5:10:33 PM IST

Home Applications Web Services Performance Administration

This page shows the J2EE applications and application components (EJB Modules, WAR Modules, Resource Adapter Modules) deployed to this OC4J instance.

View Applications

Start Stop Restart Undeploy Redeploy Deploy

Select All | Select None | Expand All | Collapse All

Select	Name	Status	Start Time	Active Requests	Request Processing Time (seconds)	Active EJB Methods	Application Defined MBeans
<input type="checkbox"/>	All Applications						
<input type="checkbox"/>	ascontrol	↑	Jul 22, 2008 12:29:06 PM IST	0	0.00	0	
<input type="checkbox"/>	default	↑	Jul 22, 2008 12:29:06 PM IST	0	0.00	0	
<input type="checkbox"/>	FCISProvisioningAdService	↑	Jul 22, 2008 5:10:13 PM IST				
<input type="checkbox"/>	GW_EJB_Bean	↑	Jul 22, 2008 5:05:55 PM IST				
<input type="checkbox"/>	Middleware Services						

TIP If you stop a parent application (such as the default application), then Enterprise Manager automatically stops any child applications that depend upon the parent application. Similarly, if you start a child application, Enterprise Manager automatically starts the required parent application.

Home Applications Web Services Performance Administration

Setup | Logs | Help | Logout

Copyright © 1996, 2007, Oracle. All rights reserved.
Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
About Oracle Enterprise Manager 10g Application Server Control

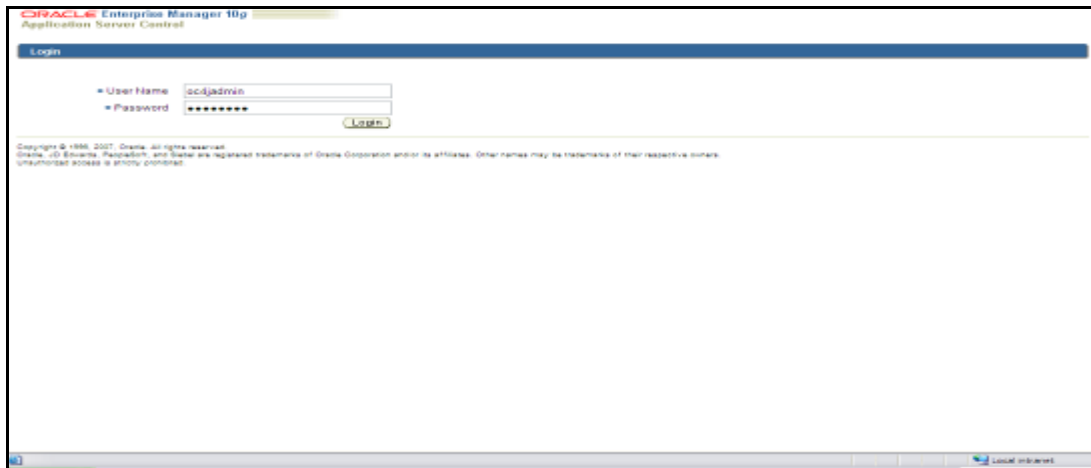
5.2 Deploy FCISProvisioningAdService

If the **GW_EJB_CALL_TYPE** is set as **REMOTE** in the **ADOIM_Prop.xml** then follow the same step as above (Section 5.1.1.2.1) to deploy the FCISProvisioningAdService web service with following changes

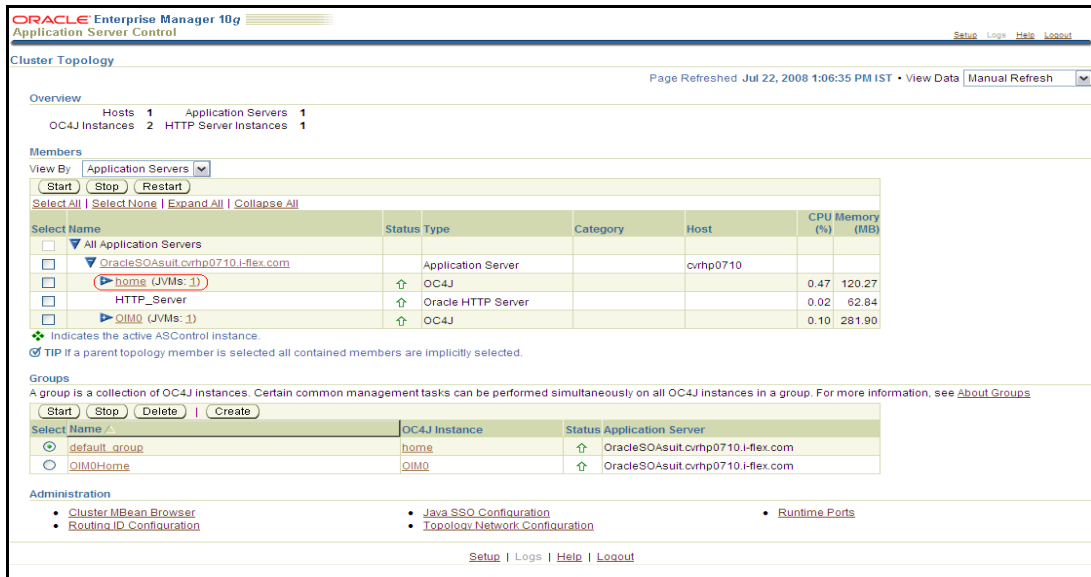
- ✓ Select the ear file from the path <SPMLADAPTER_INSTALL_DIR>\OIM\FCISProvisioningAdService\build\FCISProvisioningAdService\FCISProvisioningAdService.ear
- ✓ Give the application name as FCISProvisioningAdService.

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

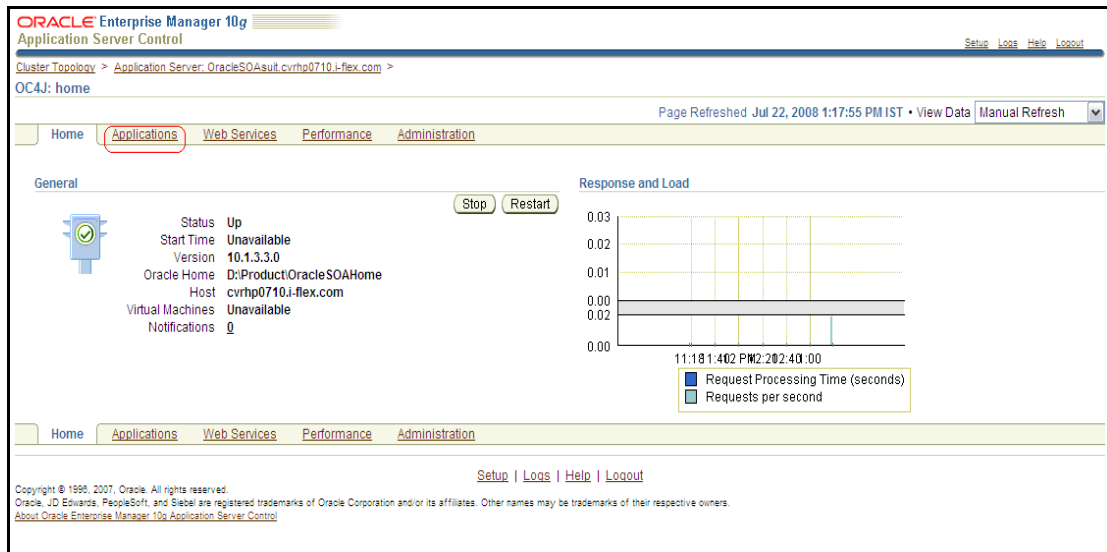
1. Login to Administrative Console
 - ✓ Enter OC4J administrator username/password and press **Login**.



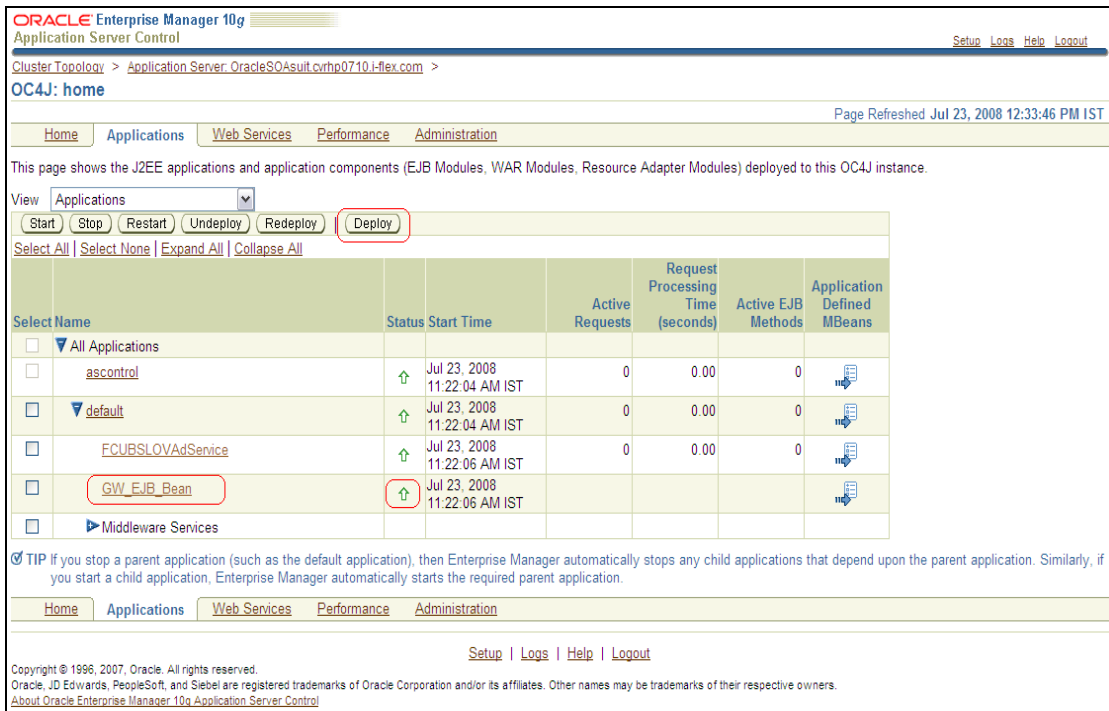
2. Click on home as shown in below screen:



3. Navigate to the “Application screen” as shown below.



4. The following screen is displayed.
 - ✓ Make sure that Gateway EJB bean is already deployed there as shown in below screen shot.
 - ✓ Click on Deploy.



5. The following screen is displayed.
 - ✓ Click on Browse.
 - ✓ Specify the local path of the enterprise archive file:

<SPMLADAPTER_INSTALL_DIR>\OIM\FCISProvisioningAdService\build\
FCISProvisioningAdService \ FCISProvisioningAdService.ear

- ✓ Click on Next.

The screenshot shows the 'Deploy: Select Archive' screen in Oracle Enterprise Manager 10g. The breadcrumb trail at the top indicates the steps: 'Select Archive' (active), 'Application Attributes', and 'Deployment Settings'. The 'Archive' section has two radio button options. The first option, 'Archive is present on local host. Upload the archive to the server where Application Server Control is running.', is selected. Below it, the 'Archive Location' is set to 'j:\d\FCUBSPProvisioningAdService\FCUBSPProvisioningAdService.ear', with a 'Browse...' button next to it. The 'Deployment Plan' section also has two radio button options. The first option, 'Automatically create a new deployment plan.', is selected. Below it, the 'Plan Location' is empty, with a 'Browse...' button next to it. At the bottom right, there are 'Cancel', 'Step 1 of 3', and 'Next' buttons. The 'Next' button is highlighted with a red box.

6. The following screen is displayed.
- ✓ Enter the Application name - FCISProvisioningAdService.
 - ✓ Select Gateway EJB bean as parent application.
 - ✓ Click on Next.

The screenshot shows the 'Deploy: Application Attributes' screen in Oracle Enterprise Manager 10g. The breadcrumb trail at the top indicates the steps: 'Select Archive', 'Application Attributes' (active), and 'Deployment Settings'. The 'Archive Type' is 'J2EE Application (EAR file)'. The 'Archive Location' is 'D:\Kernel10.1\OIM\FCUBSPProvisioningAdService\build\FCUBSPProvisioningAdService\FCUBSPProvisioningAdService.ear'. The 'Deployment Plan' is 'Creating a new plan'. The 'Application Name' is 'FCUBSPProvisioningAdService'. The 'Parent Application' is 'GW_EJB_Bean'. The 'Bind Web Module to Site' is 'default-web-site'. The 'Context Root' is 'Web Module'. Below this, there is a table with two columns: 'Web Module' and 'Context Root'. The table has one row with 'FCUBSPProvisioningAdService.war' in the 'Web Module' column and 'FCUBSPProvisioningAdSer' in the 'Context Root' column. At the bottom right, there are 'Cancel', 'Back', 'Step 2 of 3', and 'Next' buttons. The 'Next' button is highlighted with a red box.

7. The following screen is displayed.
- ✓ Go to Configure Class Loading Task.

ORACLE Enterprise Manager 10g
Application Server Control

Help Logout

Select Archive Application Attributes **Deployment Settings**

Deploy: Deployment Settings

(Cancel) (Back) Step 3 of 3 (Deploy)

Archive Type: J2EE Application (EAR file)
 Archive Location: D:\Kernel10.1\OIM\FCUBSProvisioningAdService\build\FCUBSProvisioningAdService\FCUBSProvisioningAdService.ear
 Deployment Plan: Creating a new plan

Application Name: FCUBSProvisioningAdServi
 Parent Application: GW_EJB_Bean
 Bind Web Module to Site: default-web-site
 Context Root: FCUBSProvisioningAdServi

Deployment Tasks

The table below provides a set of common deployment tasks you might want to perform for this application. Only those tasks that apply to the current application are enabled.

Task Name	Go To Task	Description
Map Environment References		Map any environment references in your application (for example, data sources) to physical entities currently present on the operational environment.
Select Security Provider		A security provider acts as the source for available users and groups when mapping security roles.
Map Security Roles		Map any security roles exposed by your application to existing users and groups. The list of users and groups is obtained from the security provider you selected for this application.
Configure EJBs		Configure the Enterprise JavaBeans in your application.
Configure Clustering		Configure clustering of your application.
Configure Class Loading		Manipulate the classpath of your application.

(Go To Task)

Advanced Deployment Plan Editing

Click Edit Deployment Plan to set more advanced deployment options. (Edit Deployment Plan)

Save Deployment Plan

After you make changes, you can save the deployment plan to your local disk. You can then use the saved deployment plan to redeploy this application later. (Save Deployment Plan)

(Cancel) (Back) Step 3 of 3 (Deploy)

Help | Logout

8. The following screen is displayed.

- ✓ Here oracle.xml needs to be imported. To get this library navigate through list of all shared library using Previous & Next navigation button.
- ✓ Check the textbox to import the shared library, oracle.xml
- ✓ Click on OK.

ORACLE Enterprise Manager 10g
Application Server Control

Help Logout

Select Archive Application Attributes **Deployment Settings**

Deployment Settings: Configure Class Loading

(Cancel) (OK)

Archive Type: J2EE Application (EAR file)
 Archive Location: D:\Kernel10.1\OIM\FCUBSProvisioningAdService\build\FCUBSProvisioningAdService\FCUBSProvisioningAdService.ear
 Deployment Plan: Creating a new plan

Application Name: FCUBSProvisioningAdServi
 Parent Application: GW_EJB_Bean
 Bind Web Module to Site: default-web-site
 Context Root: FCUBSProvisioningAdServi

Import Shared Libraries

The following table lists the shared libraries installed in the OC4J instance. Select Import to declare your application's dependency on a shared library. Optionally specify a minimum or maximum version to import.

☒ Inherit parent application's shared library imports
 OR TIP: When checked, future changes to the parent application's shared library imports will be effective to this application.

Shared Library	Available Versions	Minimum Version To Use	Maximum Version To Use	Imported By Parent Application	Import
oracle.wsm	10.1.3				<input type="checkbox"/>
oracle.xml	10.1.0_2				<input checked="" type="checkbox"/>
oracle.xml.security	10.1.3			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
org.jgroups	2.3			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
soap	10.1.3			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
util.concurrent	1.3.2				<input type="checkbox"/>
xqs.d3	10.1.3.1.0				<input type="checkbox"/>

Previous 10 21-27 of 27 Next

Configure Application Libraries

Add additional archives or directories to this application's classpath. Specify a path relative to the root of the EAR, or an absolute path on the target server.

Path: No application libraries have been configured. (Add Another Row) (Delete)

Configure Web Module Class Loaders

Use the table below to specify additional code sources for each Web module in your application. These can be either library files or locations for individual class files separated by semi-colons.

Web Module	Search Local Classes First	Include Web Manifest Class Path	Classpath
FCUBSProvisioningAdService.war	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

(Cancel) (OK)

Help | Logout

Copyright © 1996, 2007, Oracle. All rights reserved.
 Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
 Oracle and Java are trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

9. The following screen is displayed.

- ✓ Click Deploy.

ORACLE Enterprise Manager 10g
Application Server Control

Help Logout

Select Archive Application Attributes **Deployment Settings**

Information
Deployment plan has been updated successfully.

Deploy: Deployment Settings

Cancel Back Step 3 of 3 Deploy

Archive Type: J2EE Application (EAR file)
 Archive Location: D:\Kernel10.1\OIM\FCUBSPROVISIONINGAdService\build\FCUBSPROVISIONINGAdService\FCUBSPROVISIONINGAdService.ear
 Deployment Plan: Creating a new plan

Application Name: FCUBSPROVISIONINGAdService
 Parent Application: GW_EJB_Bean
 Bind Web Module to Site: default-web-site
 Context Root: FCUBSPROVISIONINGAdService

Deployment Tasks
The table below provides a set of common deployment tasks you might want to perform for this application. Only those tasks that apply to the current application are enabled.

Task Name	Go To Task	Description
Map Environment References		Map any environment references in your application (for example, data sources) to physical entities currently present on the operational environment.
Select Security Provider		A security provider acts as the source for available users and groups when mapping security roles.
Map Security Roles		Map any security roles exposed by your application to existing users and groups. The list of users and groups is obtained from the security provider you selected for this application.
Configure EJBs		Configure the Enterprise JavaBeans in your application.
Configure Clustering		Configure clustering of your application.
Configure Class Loading		Manipulate the classpath of your application.

Advanced Deployment Plan Editing
Click Edit Deployment Plan to set more advanced deployment options.

Edit Deployment Plan

Save Deployment Plan
After you make changes, you can save the deployment plan to your local disk. You can then use the saved deployment plan to redeploy this application later.

Save Deployment Plan

Cancel Back Step 3 of 3 Deploy

Copyright © 1996, 2007, Oracle. All rights reserved.
 Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
[About Oracle Enterprise Manager 10g Application Server Control](#)

10. The following screen is displayed. Please ensure the Web Service is successfully deployed.
 ✓ Click Return.

ORACLE Enterprise Manager 10g
Application Server Control

Help Logout

Confirmation

Return

The Application "FCUBSPROVISIONINGAdService" has been successfully deployed.

Progress Messages

```

[Jul 23, 2008 12:36:29 PM] Initialize D:\Product\OracleSOAHome\j2ee\home\applications\FCUBSPROVISIONINGAdService.ear begins...
[Jul 23, 2008 12:36:29 PM] Unpacking FCUBSPROVISIONINGAdService.ear
[Jul 23, 2008 12:36:29 PM] Done unpacking FCUBSPROVISIONINGAdService.ear
[Jul 23, 2008 12:36:29 PM] Unpacking FCUBSPROVISIONINGAdService.war
[Jul 23, 2008 12:36:29 PM] Done unpacking FCUBSPROVISIONINGAdService.war
[Jul 23, 2008 12:36:29 PM] Initialize D:\Product\OracleSOAHome\j2ee\home\applications\FCUBSPROVISIONINGAdService.ear ends...
[Jul 23, 2008 12:36:29 PM] Starting application : FCUBSPROVISIONINGAdService
[Jul 23, 2008 12:36:29 PM] Initializing ClassLoader(s)
[Jul 23, 2008 12:36:29 PM] Initializing EJB container
[Jul 23, 2008 12:36:29 PM] Loading connector(s)
[Jul 23, 2008 12:36:29 PM] Starting up resource adapters
[Jul 23, 2008 12:36:29 PM] Initializing EJB sessions
[Jul 23, 2008 12:36:29 PM] Committing ClassLoader(s)
[Jul 23, 2008 12:36:29 PM] Initialize FCUBSPROVISIONINGAdService begins...
[Jul 23, 2008 12:36:29 PM] Initialize FCUBSPROVISIONINGAdService ends...
[Jul 23, 2008 12:36:29 PM] Started application : FCUBSPROVISIONINGAdService
[Jul 23, 2008 12:36:29 PM] Binding web application(s) to site default-web-site begins...
[Jul 23, 2008 12:36:29 PM] Binding FCUBSPROVISIONINGAdService web-module for application FCUBSPROVISIONINGAdService to site default-web-site under context root FCUBSPROVISIONINGAdService
[Jul 23, 2008 12:37:47 PM] Initializing Servlet: oracle.j2ee.ws.server.JAXRPCServlet for web application FCUBSPROVISIONINGAdService
[Jul 23, 2008 12:37:47 PM] Binding web application(s) to site default-web-site ends...
[Jul 23, 2008 12:37:47 PM] Application Deployer for FCUBSPROVISIONINGAdService COMPLETES. Operation time: 78500 msec
  
```

Return

Copyright © 1996, 2007, Oracle. All rights reserved.
 Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
[About Oracle Enterprise Manager 10g Application Server Control](#)

11. On successful deployment following can be observed on "Applications" screen

ORACLE Enterprise Manager 10g
Application Server Control

Cluster Topology > Application Server: OracleSOAsuit.cvrhp0710-lflex.com >
OC4J: home

Page Refreshed Jul 23, 2008 12:37:53 PM IST

Home Applications Web Services Performance Administration

This page shows the J2EE applications and application components (EJB Modules, WAR Modules, Resource Adapter Modules) deployed to this OC4J instance.

View: Applications

(Start) (Stop) (Restart) (Undeploy) (Redeploy) | (Deploy)

Select All | Select None | Expand All | Collapse All

Select	Name	Status	Start Time	Active Requests	Request Processing Time (seconds)	Active EJB Methods	Application Defined MBeans
<input type="checkbox"/>	▼ All Applications						
<input type="checkbox"/>	ascontrol	↑	Jul 23, 2008 11:22:04 AM IST	0	0.00	0	
<input type="checkbox"/>	▼ default	↑	Jul 23, 2008 11:22:04 AM IST	0	0.00	0	
<input type="checkbox"/>	FCUBSLQVAdService	↑	Jul 23, 2008 11:22:06 AM IST	0	0.00	0	
<input type="checkbox"/>	▼ GW_EJB_Bean	↑	Jul 23, 2008 11:22:06 AM IST				
<input type="checkbox"/>	FCUBSProvisioningAdService	↑	Jul 23, 2008 12:36:29 PM IST				
<input type="checkbox"/>	► Middleware Services						

TIP If you stop a parent application (such as the default application), then Enterprise Manager automatically stops any child applications that depend upon the parent application. Similarly, if you start a child application, Enterprise Manager automatically starts the required parent application.

Home Applications Web Services Performance Administration

Setup | Logs | Help | Logout

Copyright © 1996, 2007, Oracle. All rights reserved.
Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
About Oracle Enterprise Manager 10g Application Server Control

12. Restart the application server.

5.2.1 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:

- Copy following folders from the Kernel Vercon Software Release area
 - FCISV.UM10.1.0.0.0.0\ADAPTERS\OIM\OIM-Config
 - FCISV.UM10.1.0.0.0.0\ADAPTERS\OIM\setup

to local machine (say D:\Kernel10.1\OIM for WINDOWS or /home/kernel/Kernel10.1/OIM for UNIX).

2. Go to **D:\Kernel10.1\OIM\setup** directory (for WINDOWS) or **/home/kernel/Kernel10.1/OIM/setup** directory (for UNIX). Update following parameters with relevant values in set_env.bat (for Windows platform) and set_env.sh (for UNIX platform).

- APP_SERVER_NAME

This parameter specifies the name of the J2EE compliant application server.

For Oracle 10g AS Application Server, this parameter should be set as

APP_SERVER_NAME=OC4J

- APP_SERVER_HOME

This parameter specifies the installation directory of the application server.

For Oracle 10g AS Application Server, enter the path of the installation directory. e.g.:

APP_SERVER_HOME=D:\Oracle10gAS

- SPMLADAPTER_INSTALL_DIR

This parameter specifies the directory where sources for OIM configuration has been copied in step 1. For instance,

For WINDOWS: SPMLADAPTER_INSTALL_DIR=D:\Kernel10.1

For UNIX: SPMLADAPTER_INSTALL_DIR=/home/kernel/Kernel10.1

- OIM_SERVER_INSTALL_DIR

This parameter specifies the directory where OIM server is installed.

For instance,

For WINDOWS: SPMLADAPTER_INSTALL_DIR=D:\OIMSREVER

For UNIX: SPMLADAPTER_INSTALL_DIR=/home/kernel/OIMSERVER

3. Building the deployment units.

For WINDOWS

- ✓ Open a DOS command-prompt and change directory to, D:\Kernel10.1\OIM\setup
 - On the command-prompt type set_env.bat and press enter.
 - Change directory to,

D:\Kernel10.1\OIM\OIM-Config\Entity\setup

- Execute the build file,
 - Type “ant” on the command-prompt and press enter.

Above step creates a JAR file in D:\Kernel10.1\OIM\OIM-Config\Entity\build\FCISEntityAdapter folder with the name FCISEntityAdapter.jar

- Copy this FCISEntityAdapter.jar to the < **OIM_SERVER_INSTALL_DIR>\xellerate\JavaTasks** folder
- Change directory to,

D:\Kernel10.1\OIM\OIM-Config\Prepop\setup

- Execute the build file,
- Type “ant” on the command-prompt and press enter.
- Above step creates a JAR file in D:\Kernel10.1\OIM\OIM-Config\Prepop\build\FCISPrePopAdapter folder with the name FCISPrePopAdapter.Jar.
- Copy this FCISPrePopAdapter.jar to the < **OIM_SERVER_INSTALL_DIR>\xellerate\JavaTasks** folder
- Change directory to,
- D:\Kernel10.1\OIM\OIM-Config\Sch-Task\setup
- Execute the build file,
- Type “ant” on the command-prompt and press enter.
- Above step creates a JAR file in D:\Kernel10.1\OIM\OIM-Config\Sch-Task\build\FCISLOVSchTask folder with the name **FCISLOVSchTask.Jar**
- Copy this **FCISLOVSchTask.Jar** to the < **OIM_SERVER_INSTALL_DIR>\xellerate\ScheduleTask** folder

For UNIX

- Open a UNIX shell prompt and change directory to,
- /home/kernel10.1/OIM/setup
- On the command-prompt type set_env.sh and press enter.
 - Change directory to,

/home/kernel/Kernel10.1/OIM/OIM-Config/Entity/setup

- Execute the build file,
 - Type “ant” on the shell-prompt and press enter.

Above step creates a JAR file in /home/kernel/Kernel10.1/OIM/OIM-Config/Entity/build/FCISEntityAdapter folder with the name FCISEntityAdapter.jar

- Copy this FCISEntityAdapter.jar to the < **OIM_SERVER_INSTALL_DIR>/xellerate/JavaTasks** folder
- Change directory to,

/home/kernel/Kernel10.1/OIM/OIM-Config/Prepop/setup

- Execute the build file,
 - Type “ant” on the command-prompt and press enter.

Above step creates a JAR file in /home/kernel/Kernel10.1/OIM/OIM-Config/Prepop/build/FCISPrePopAdapter folder with the name FCISPrePopAdapter.jar.

- Copy this FCISPrePopAdapter.jar to the < **OIM_SERVER_INSTALL_DIR>/xellerate/JavaTasks** folder
- Change directory to,

/home/kernel/Kernel10.1/OIM/OIM-Config/Sch-Task/setup

- Execute the build file,
 - Type “ant” on the command-prompt and press enter.

Above step creates a JAR file in /home/kernel/Kernel10.1/OIM/OIM-Config/Sch-Task/build/FCISLOVSchTask folder with the name **FCISLOVSchTask.Jar**

- Copy this **FCISLOVSchTask.Jar** to the < **OIM_SERVER_INSTALL_DIR**>/xellerate/**ScheduleTask** folder

4. 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

Importing Configuration files

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

Prerequisite:

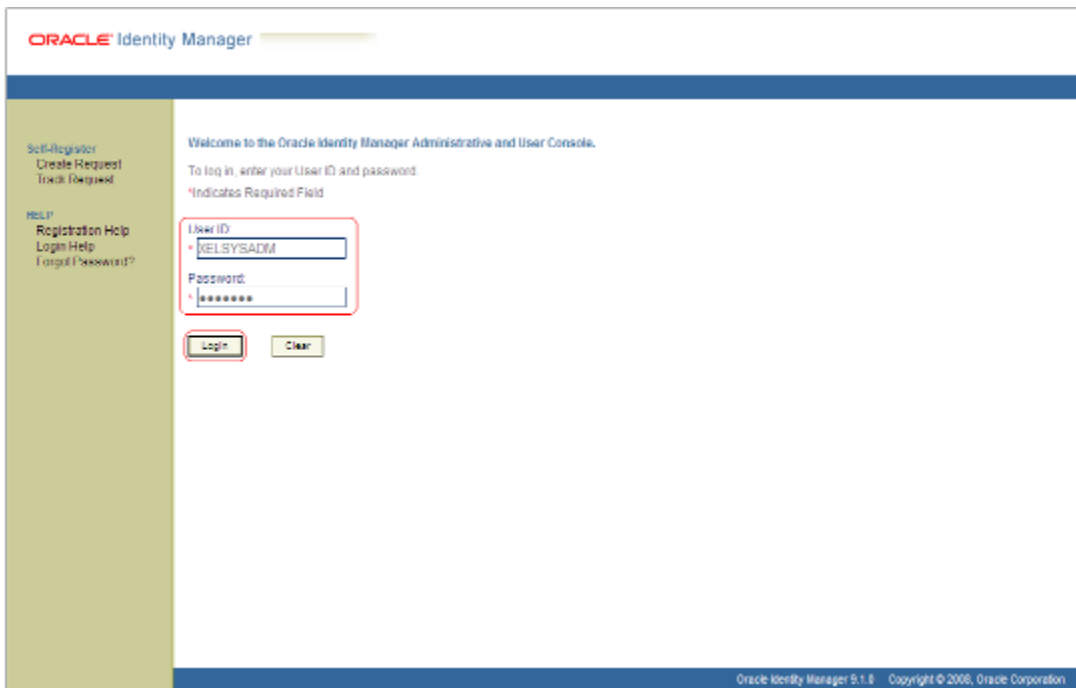
Ensure that OIM setup steps have been followed properly.

Note

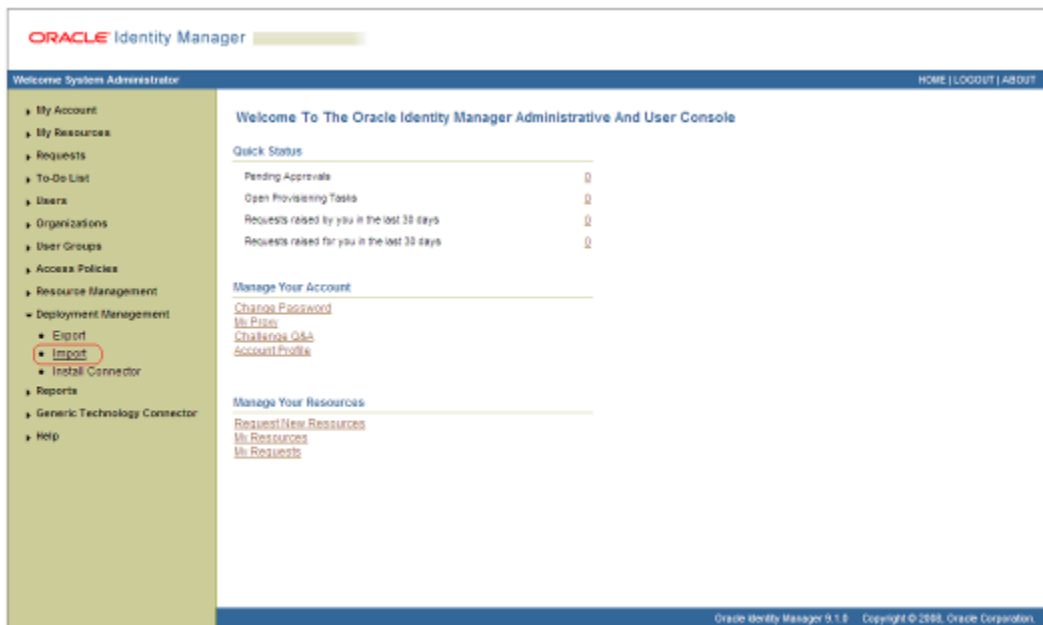
Do the import in the same order as it is described below.

- Open the Oracle Identity Manager Administrative console. (Give the following URL in the browser: <http://hostName:port/xlWebApp>.)
- Login to Administrative Console

Enter OC4J administrator username/password and press **Login**.

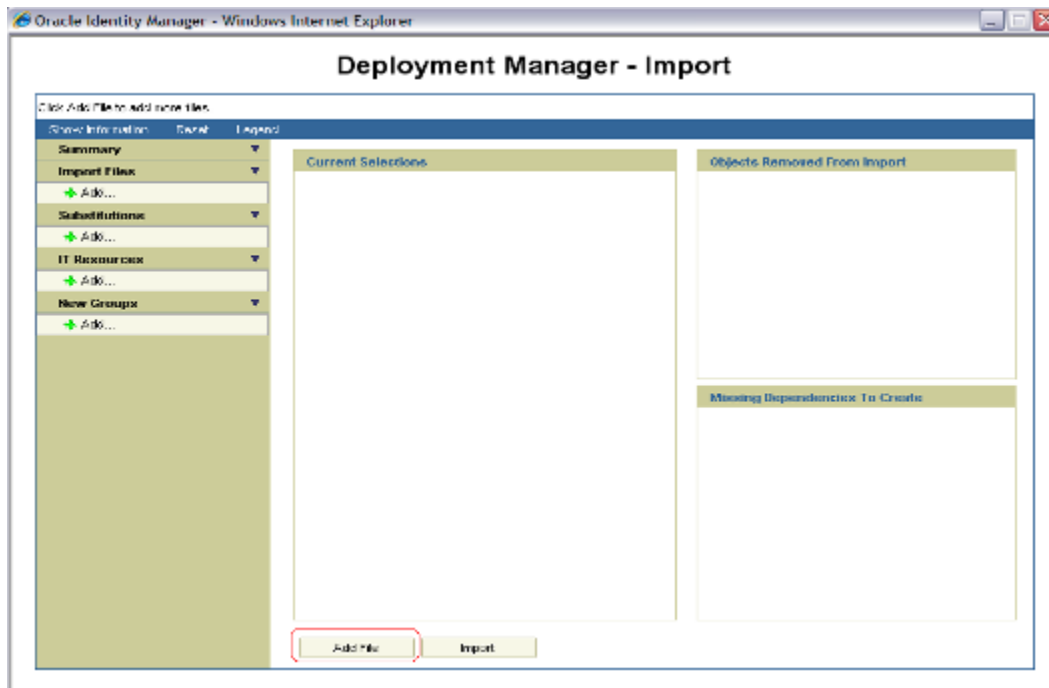


Navigate to the Deployment Manager>>Import menu option.



The following screen will get displayed.

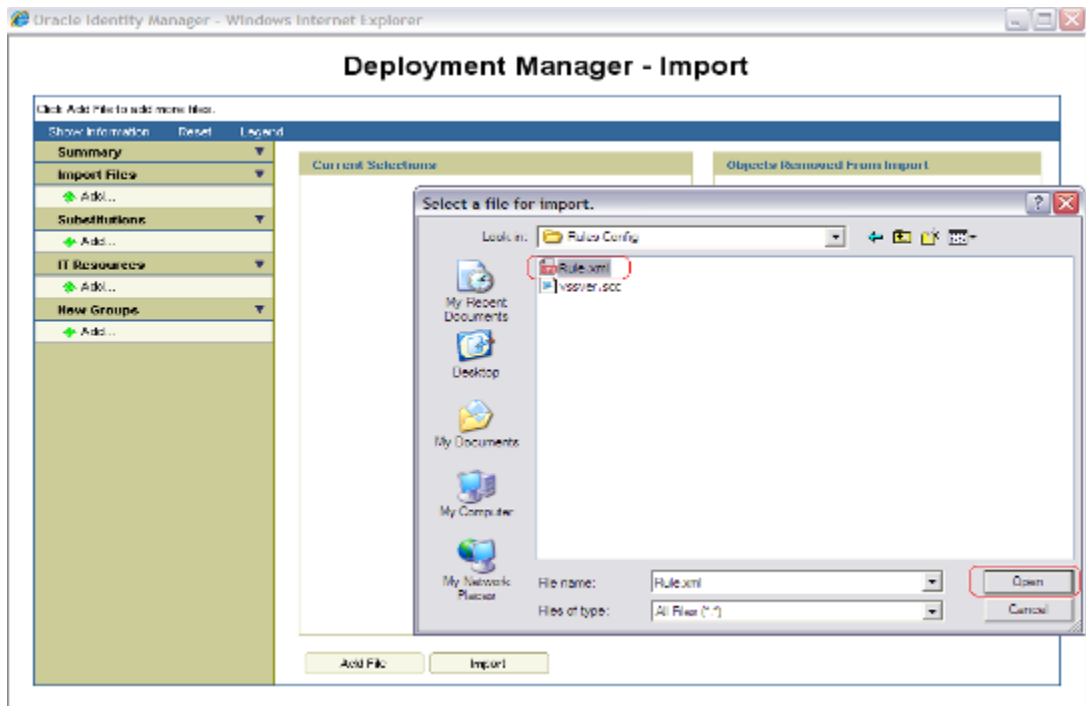
Click on Add File.



Open file window will appear.

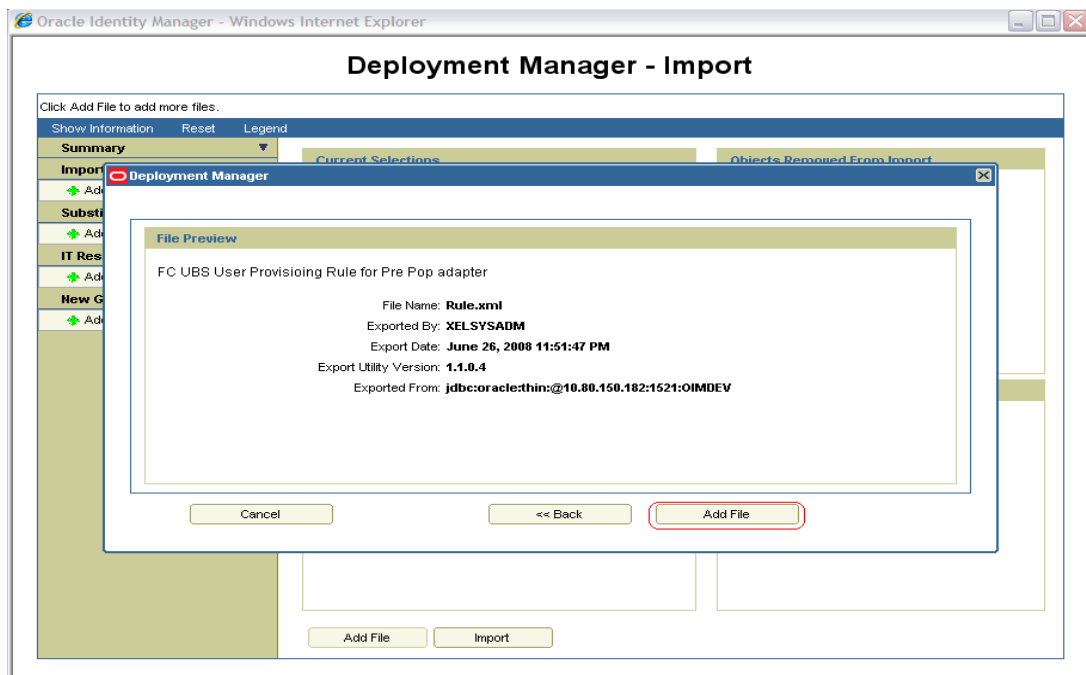
Select Rule.xml file from the folder <SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\ Rules-Config.

Click on Open.



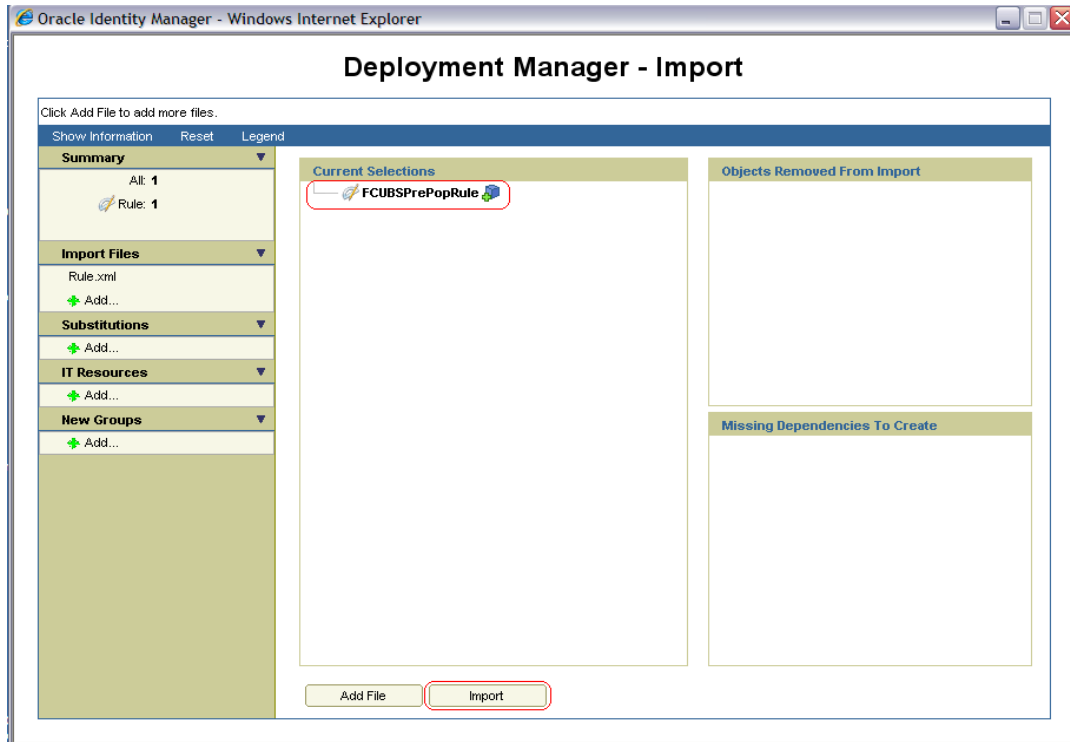
We will get File preview screen

Click on Add file.



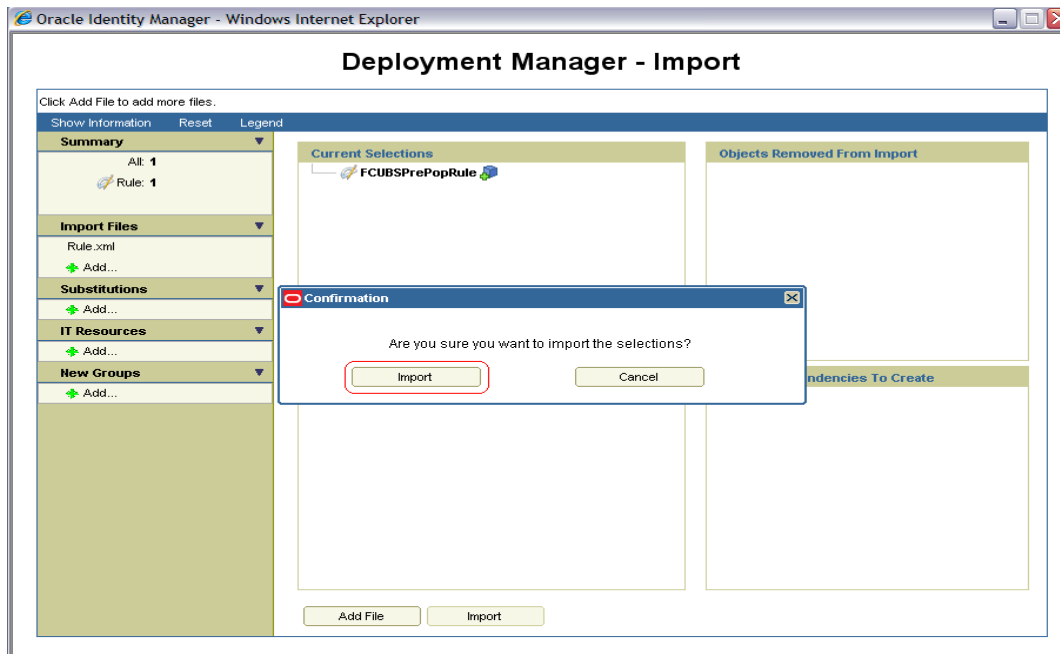
Next screen will be the current selection screen containing **FCISPrePopRule**

Click on Import.



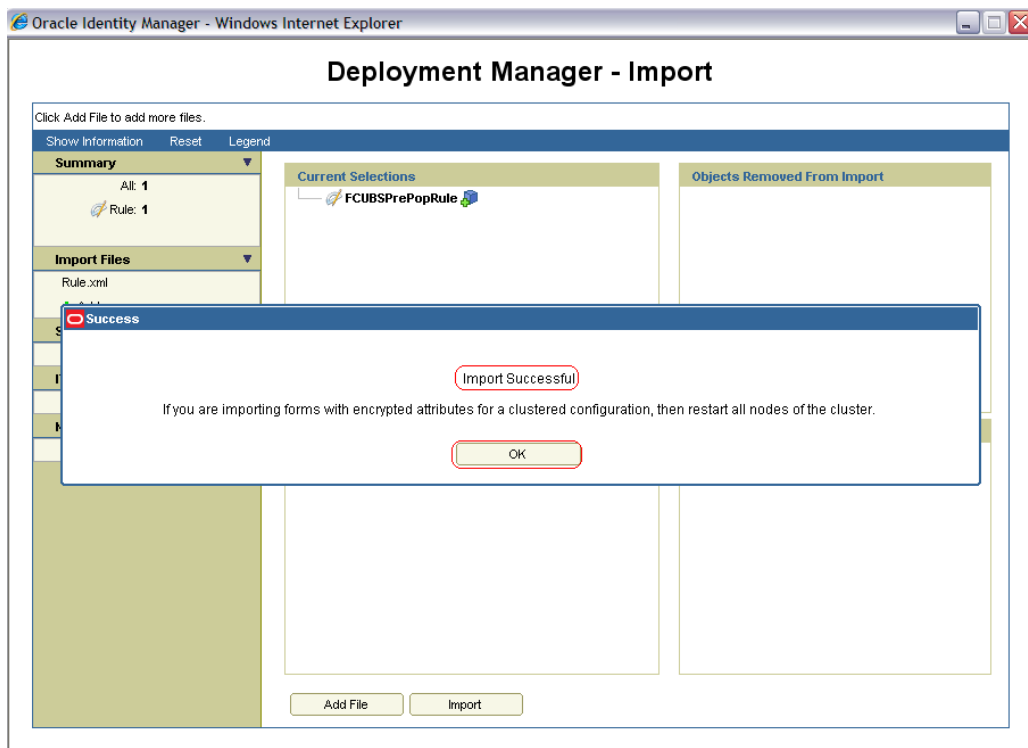
Above will prompt for Import Confirmation

Click on Import to start import.



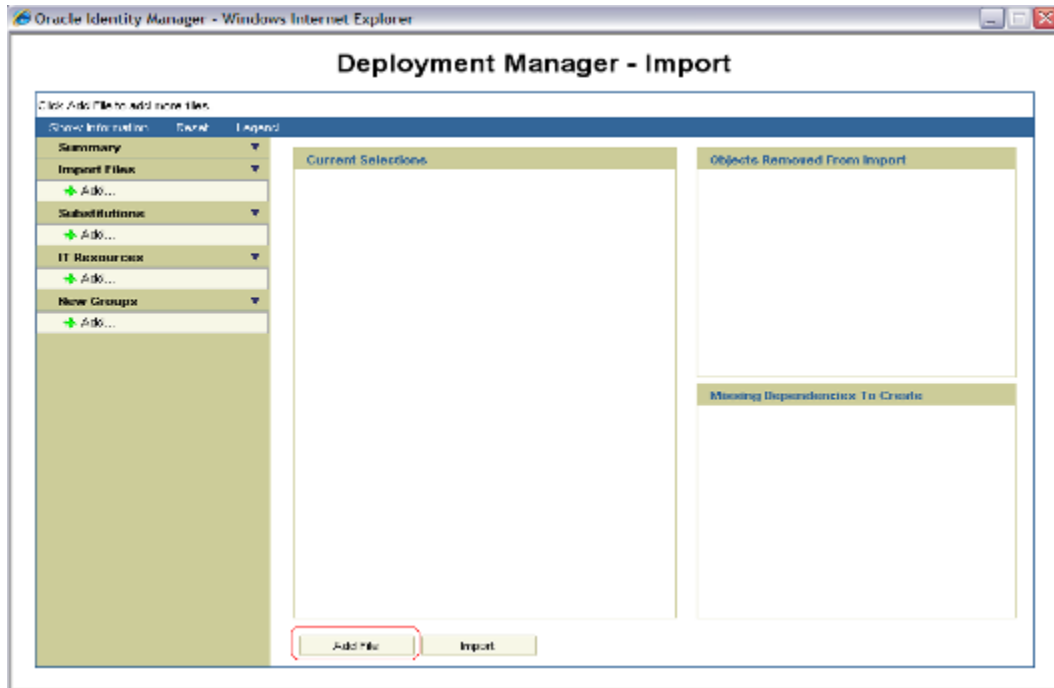
On successful import following screen will come.

Ensure that import is successful and click on ok.



The following screen will get displayed.

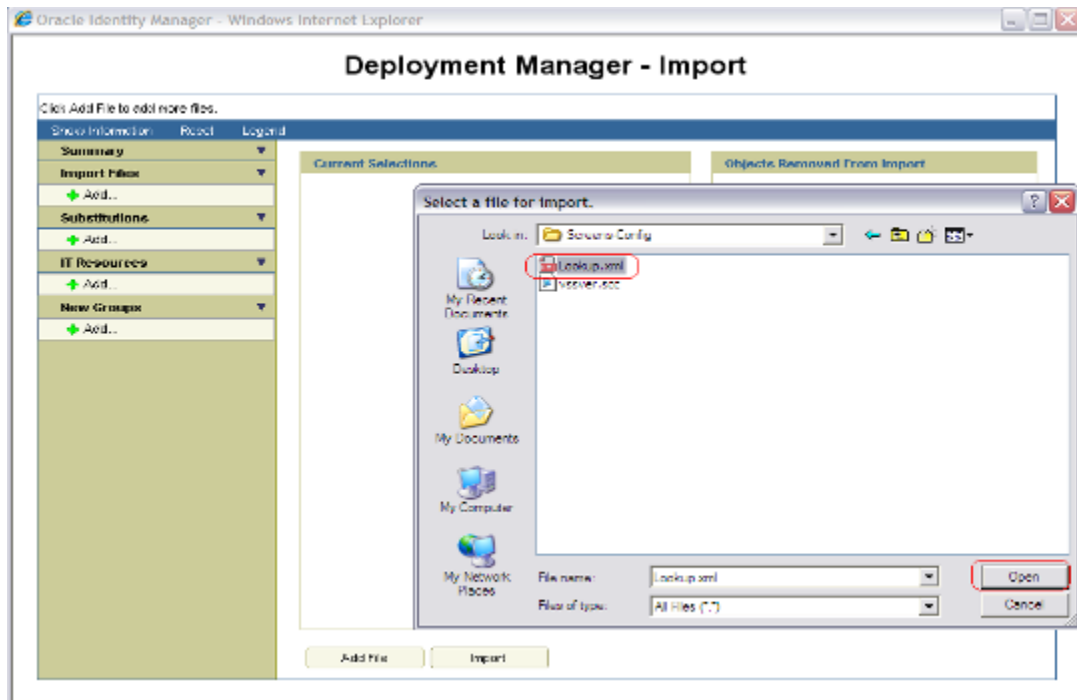
Click on Add File.



Open file window will appear.

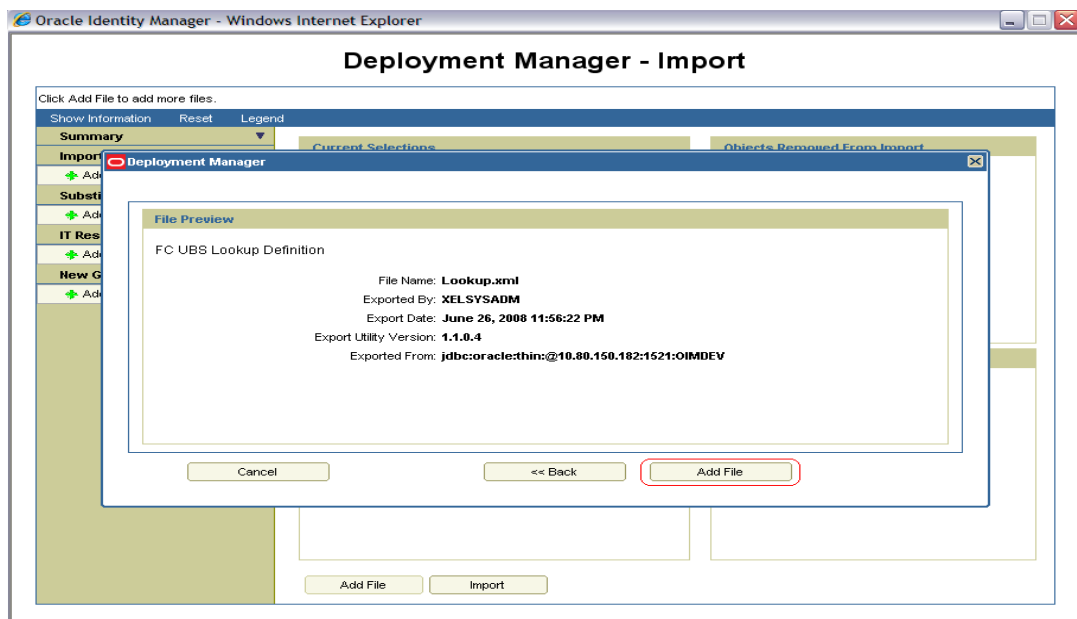
Select **Lookup.xml** file from the folder < SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config**Screens-Config**.

Click on Open.



We will get File preview screen

Click on Add file.

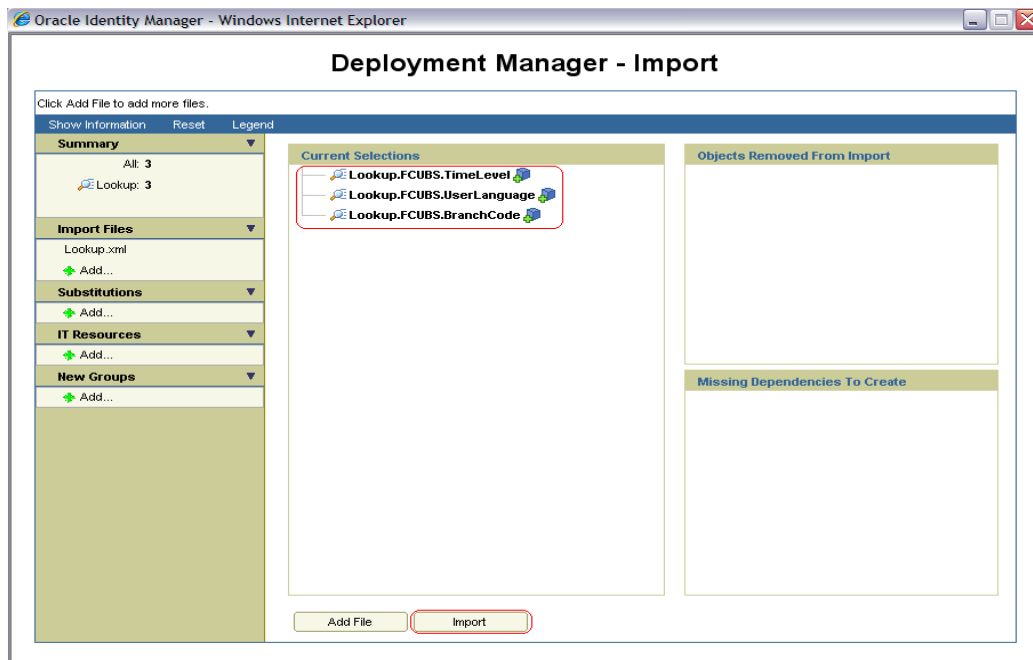


Next screen will be the current selection screen containing three Lookup field definition named

- Lookup.FCIS.TimeLevel

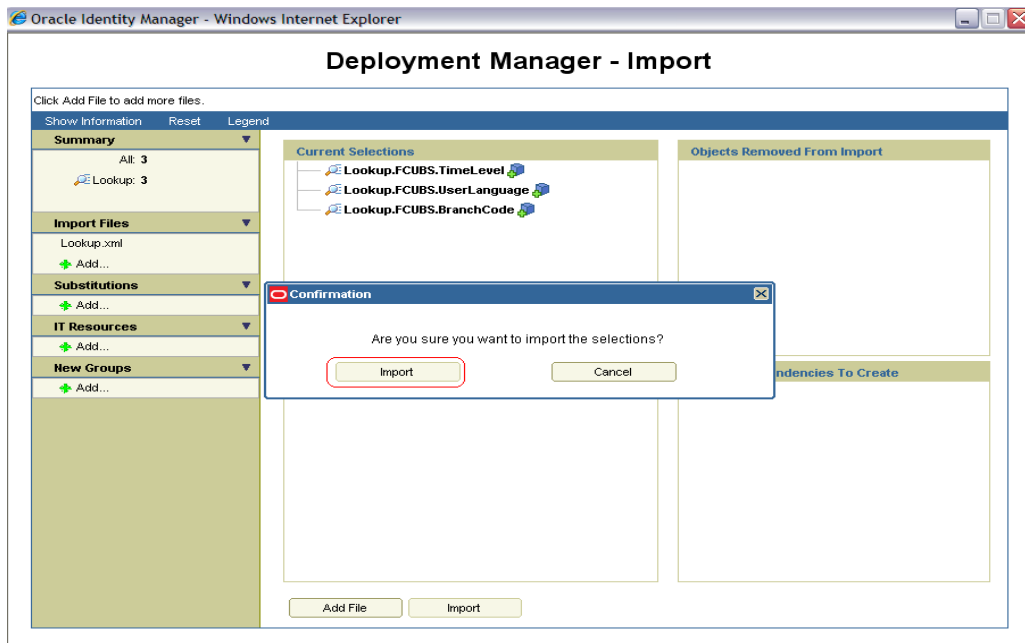
- Lookup.FCIS.UserLanguage
- Lookup.FCIS.BranchCode

Click on Import.



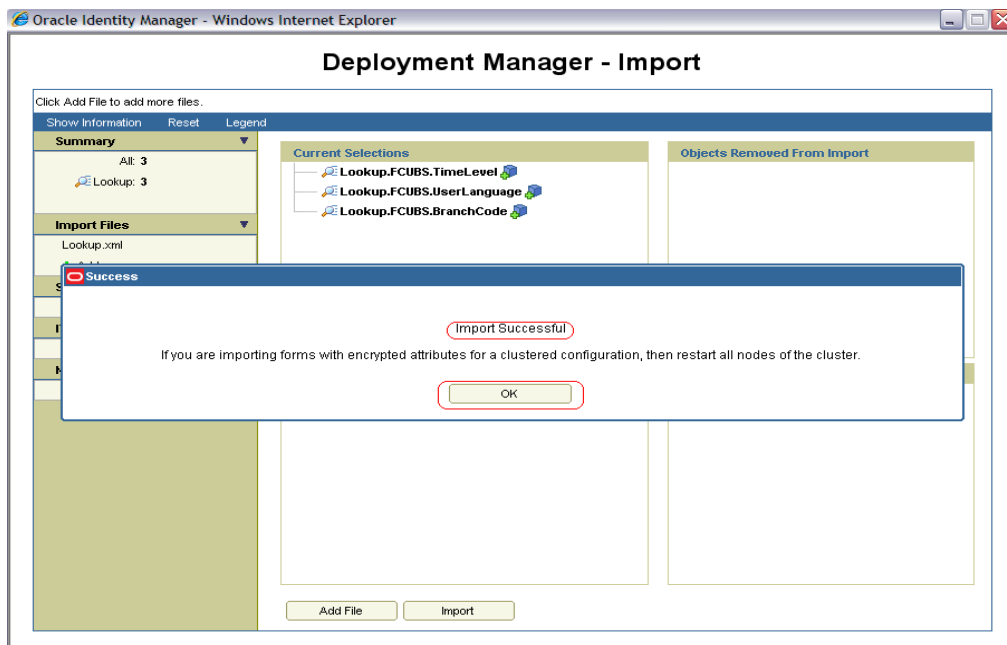
Above will prompt for Import Confirmation

Click on Import to start import.



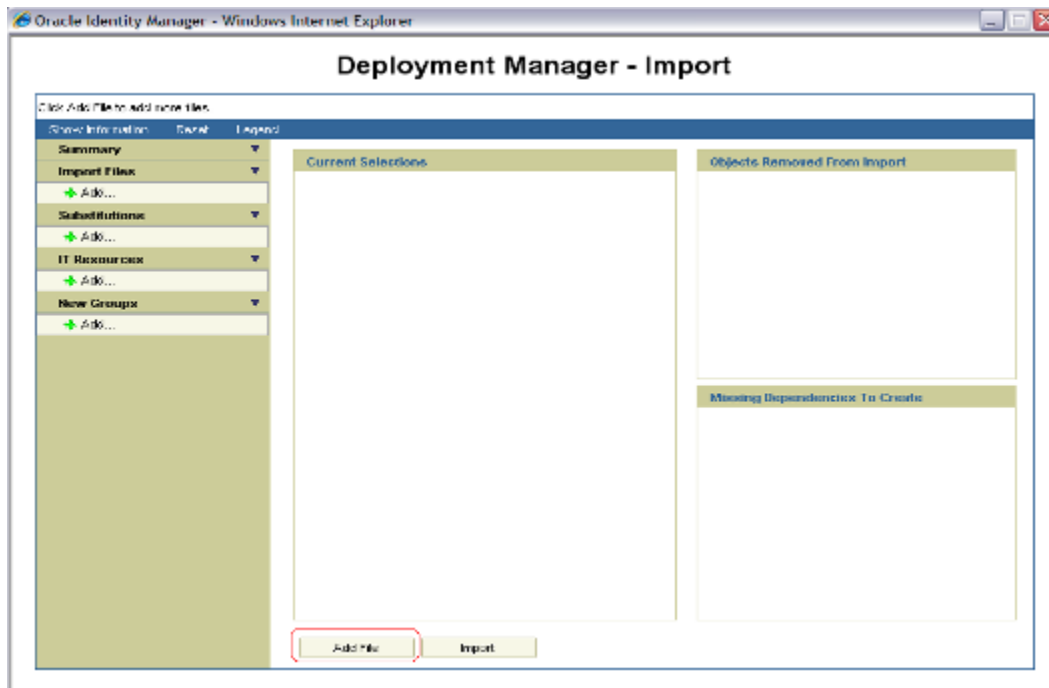
On successful import following screen will come.

Ensure that import is successful and click on ok.



The following screen will get displayed.

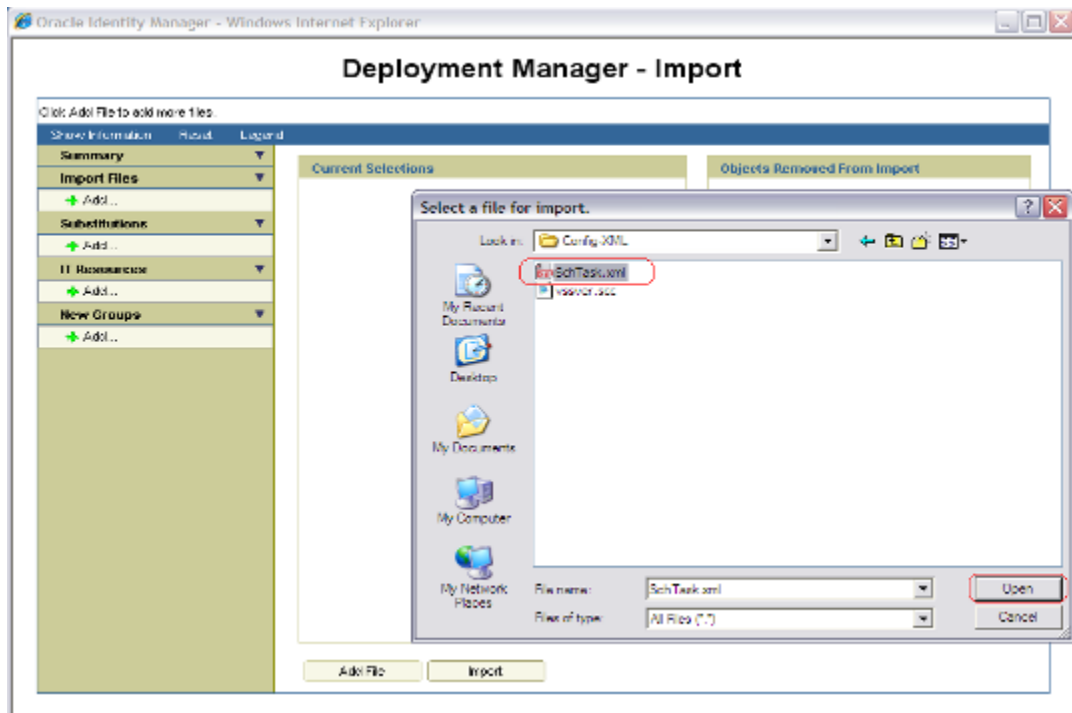
Click on Add File.



Open file window will get appeared.

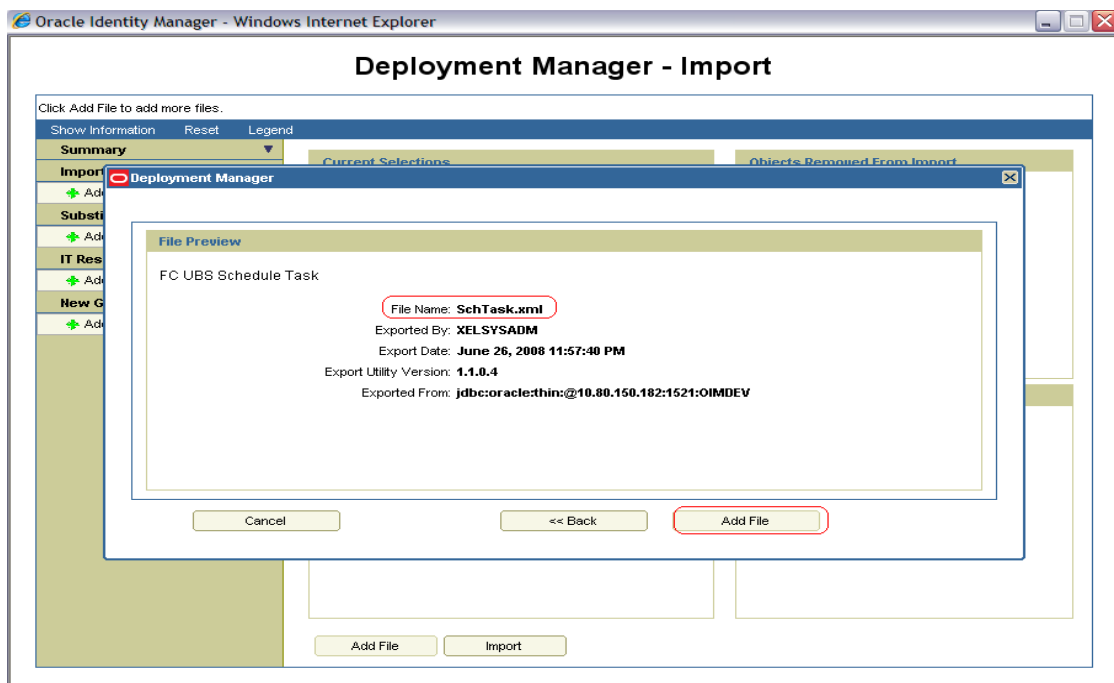
Select SchTask.xml file from the folder < SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\Sch-Task\Config-XML.

Click on Open.



We will get File preview screen

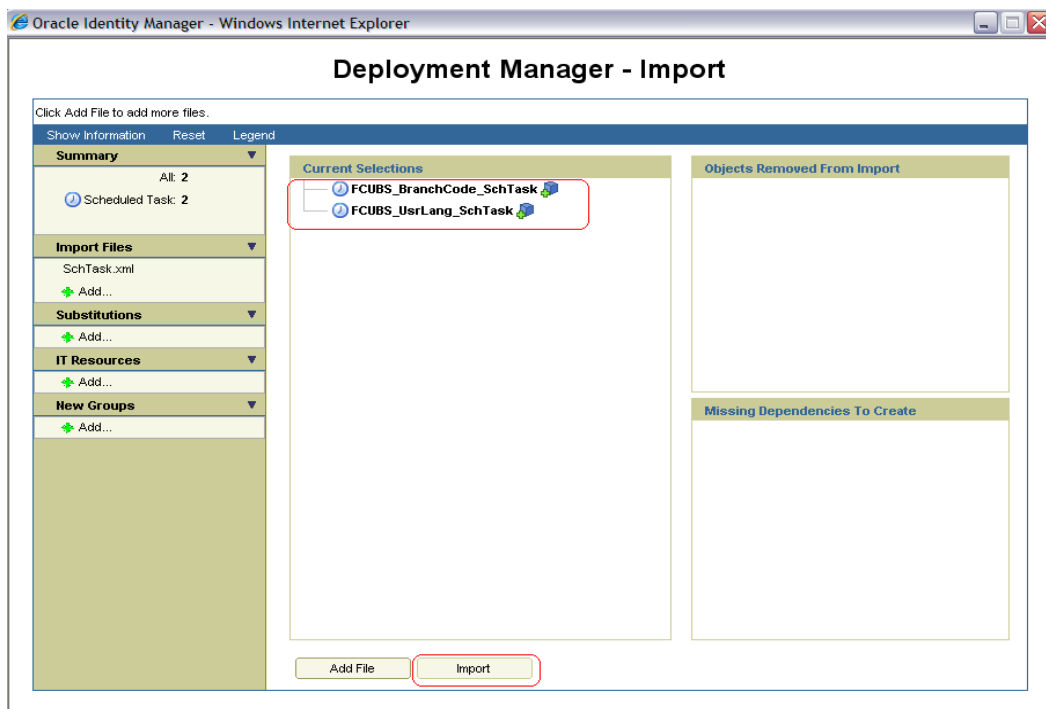
Click on Add file.



Next screen will be the current selection screen containing three Lookup field definition named

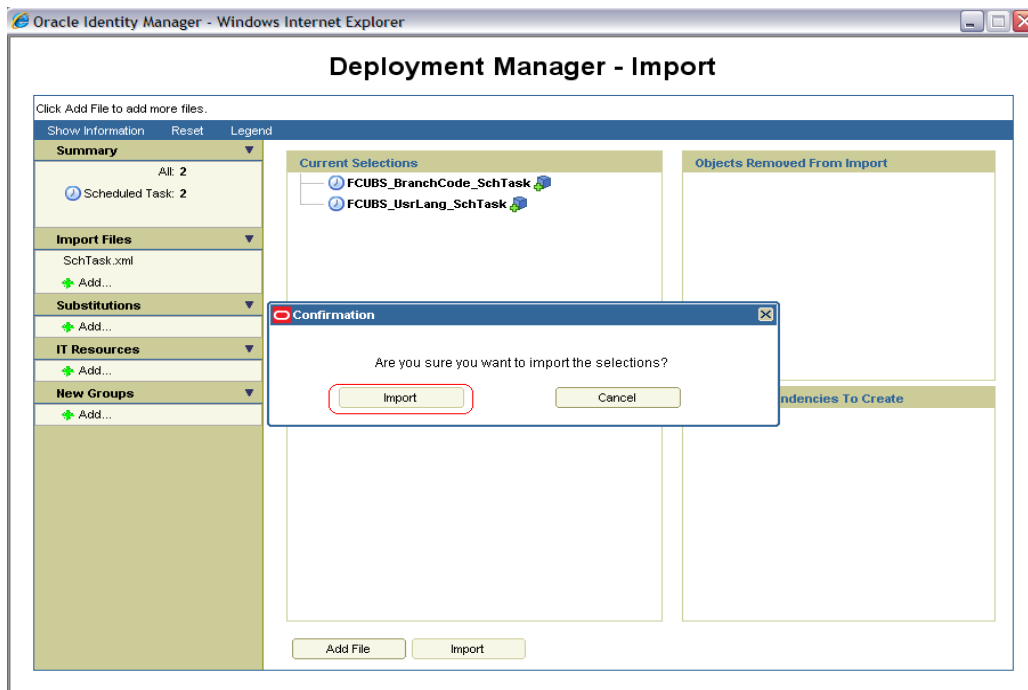
- FCIS_BranchCode_SchTask
- FCIS_UsrLang_SchTask

Click on Import.



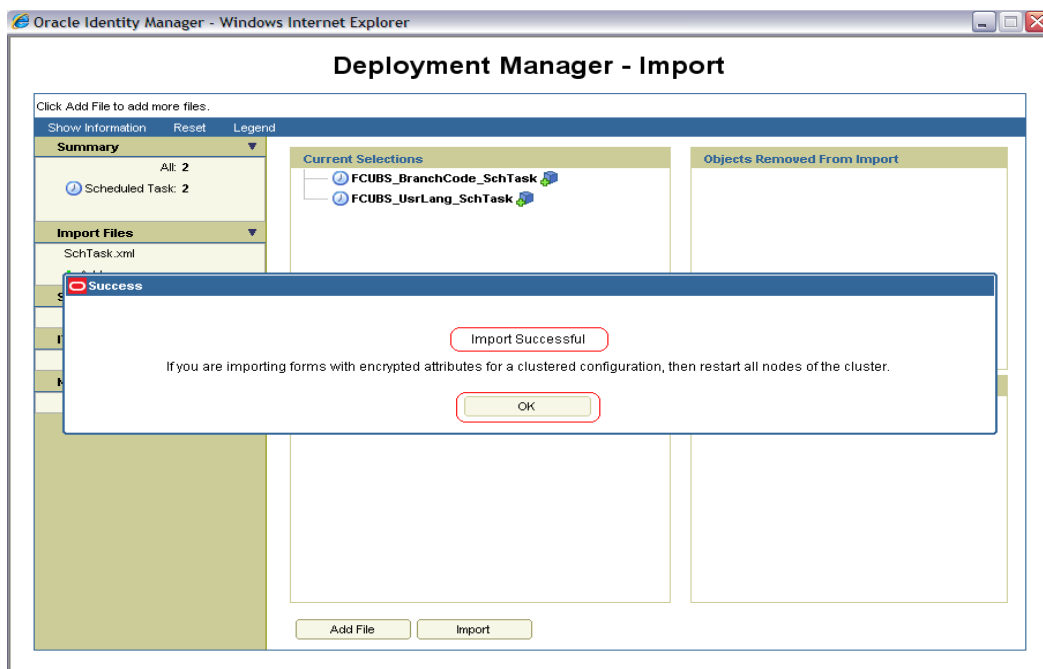
Above will prompt for Import Confirmation

Click on Import to start import.



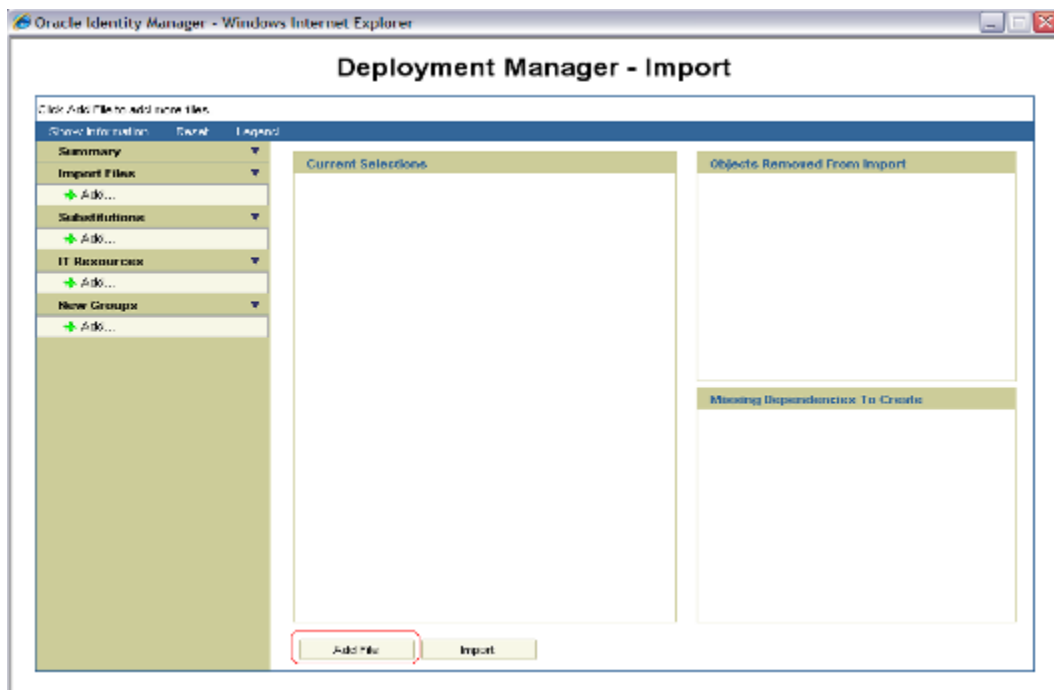
On successful import following screen will come.

Ensure that import is successful and click on ok.



The following screen will get displayed.

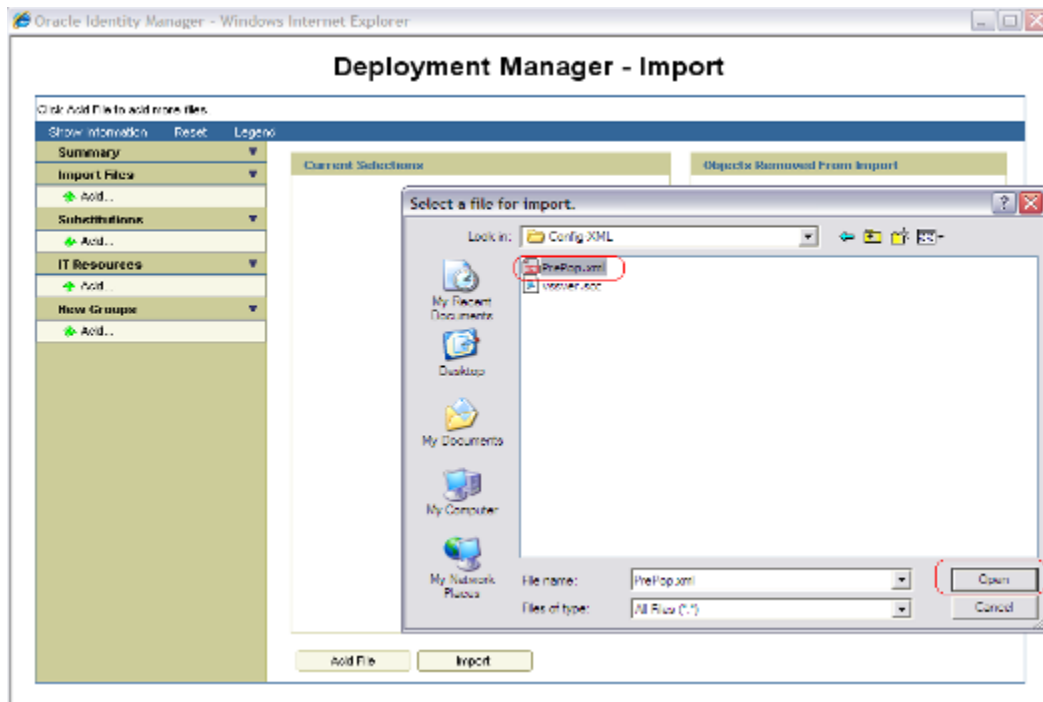
Click on Add File.



Open file window will get appeared.

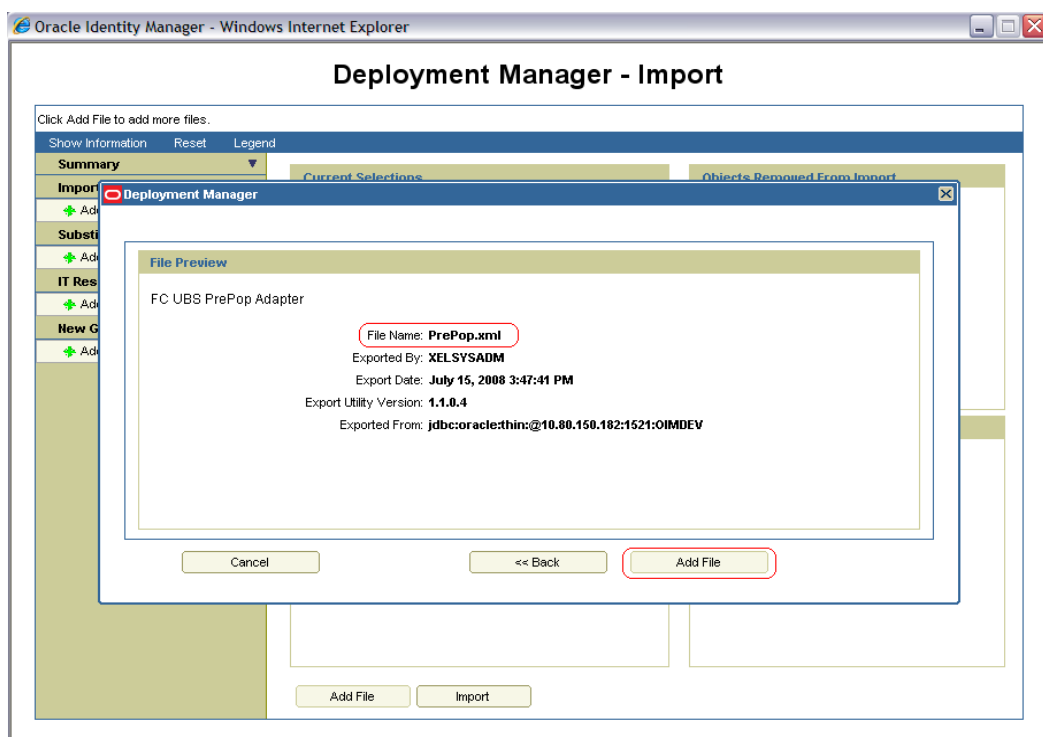
Select PrePop.xml file from the folder < SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\Prepop\Config-XML.

Click on Open.



We will get File preview screen

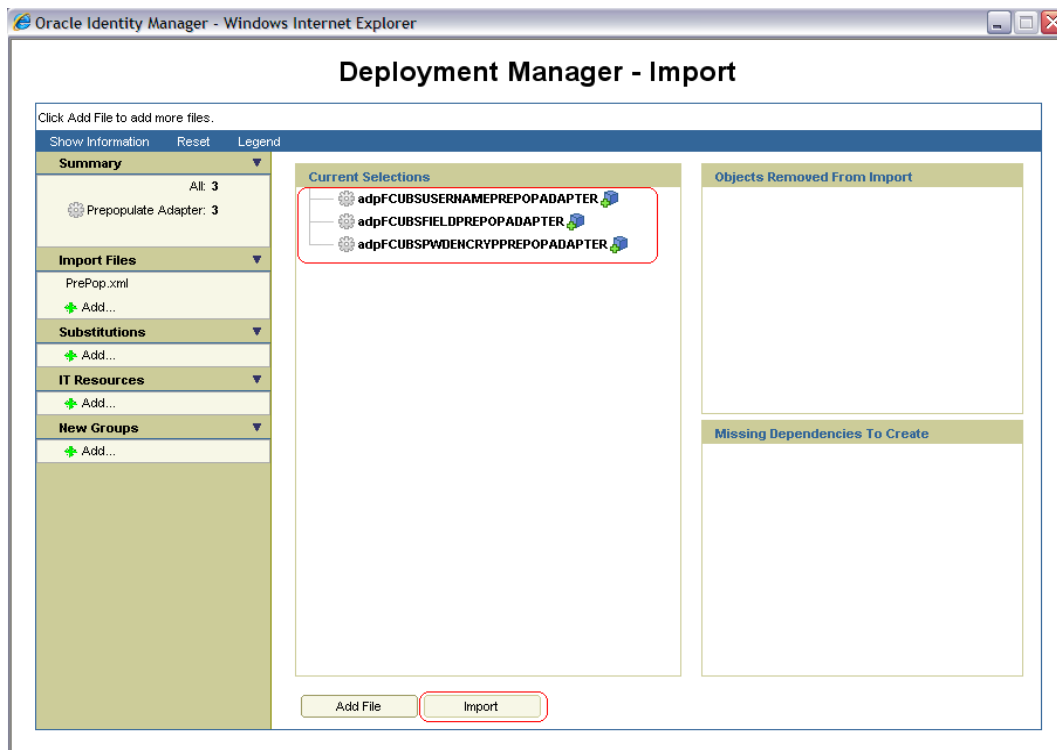
Click on Add file.



Next screen will be the current selection screen containing three Pre-populate adapter named

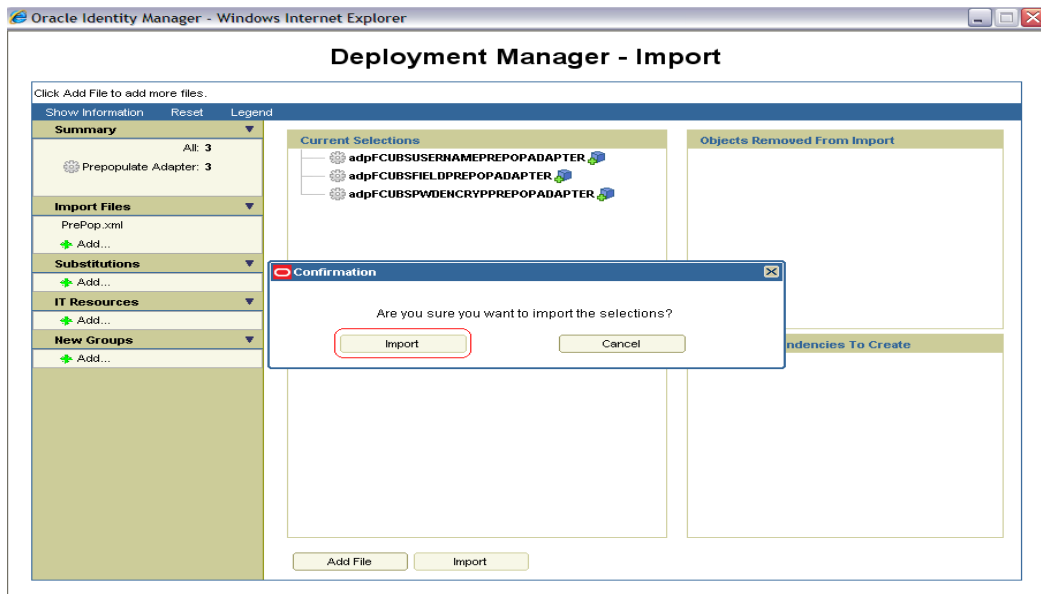
- adpFCISUSERNAMEPREPOPADAPTER
- adpFCISFIELDPREPOPADAPTER
- adpFCISPWDENCRYPPREPOPADAPTER

Click on Import.



Above will prompt for Import Confirmation

Click on Import to start import.

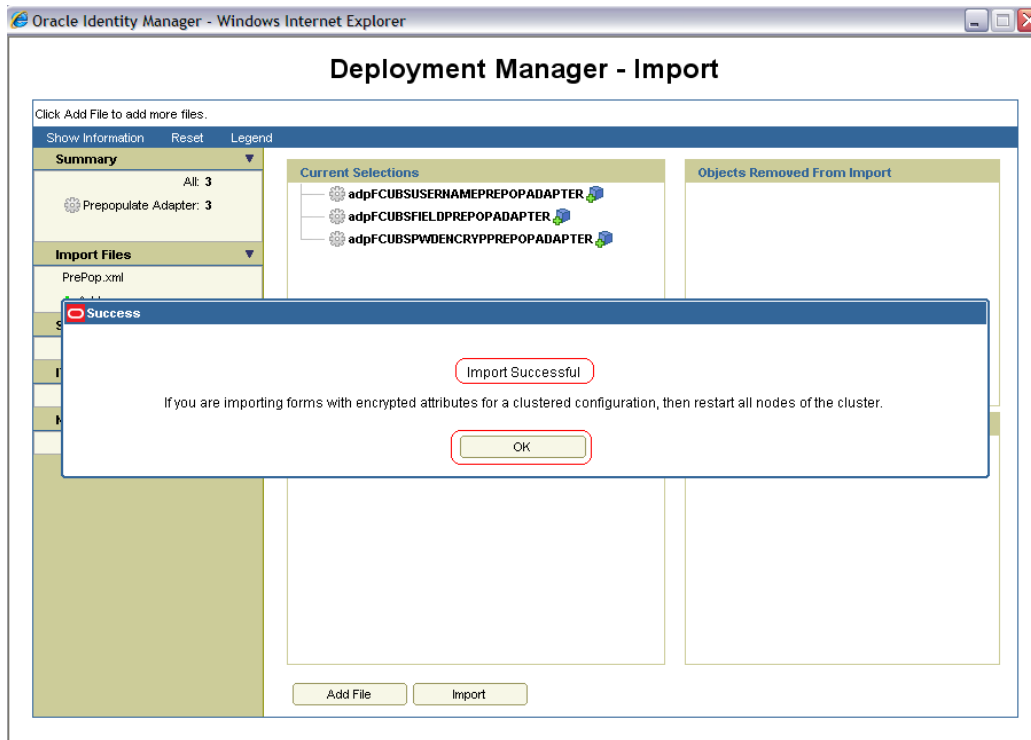


Note

Import of prepopulate adapter may take more time as compare to other imports.

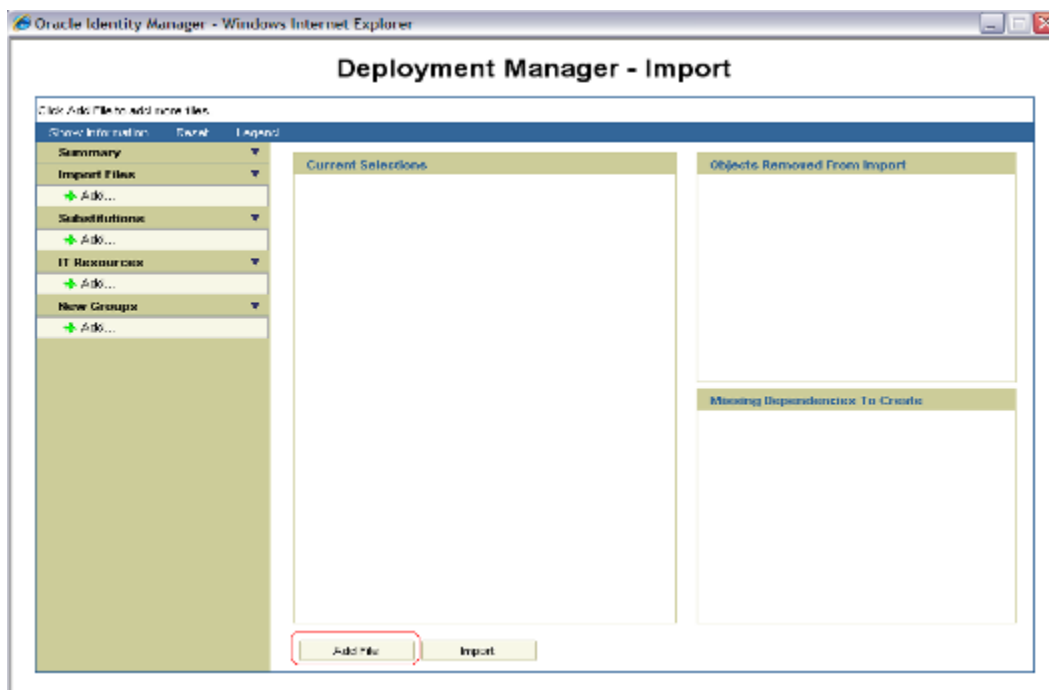
On successful import following screen will come.

Ensure that import is successful and click on ok.



The following screen will get displayed.

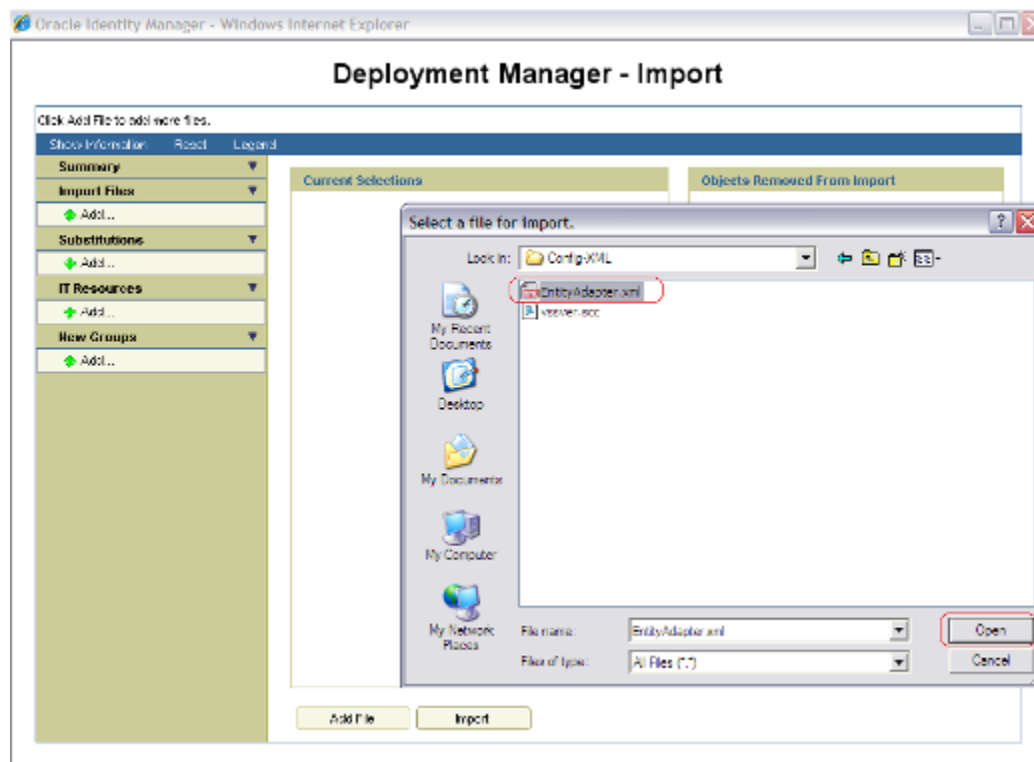
Click on Add File.



Open file window will get appeared.

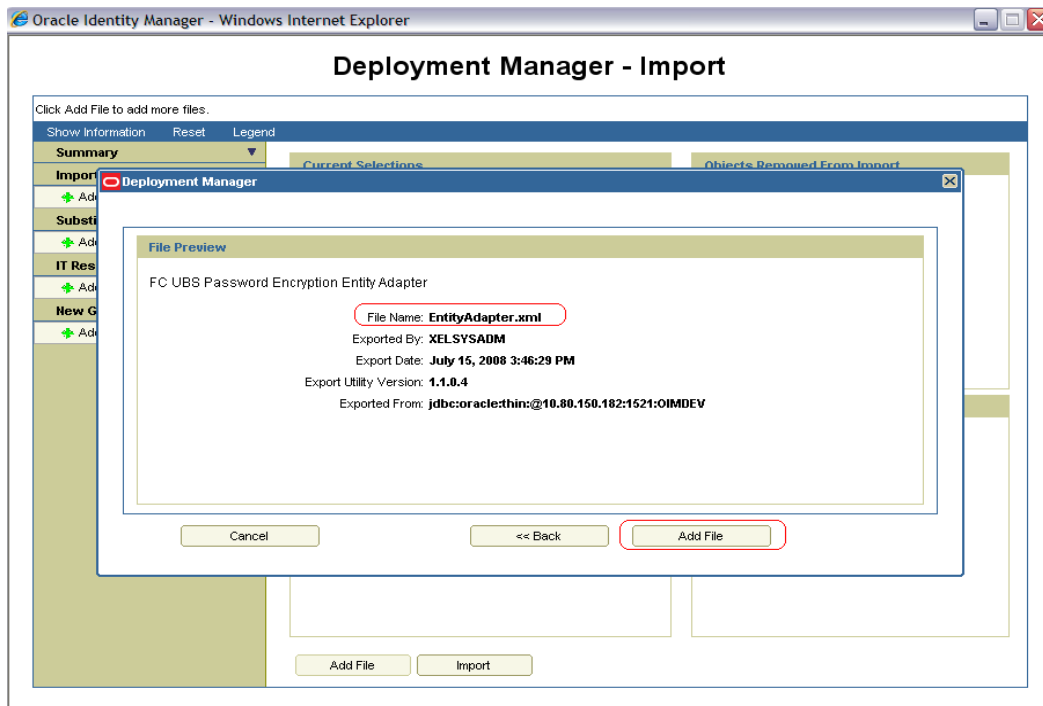
Select EntityAdapter.xml file from the folder < SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\Entity\Config-XML.

Click on Open.



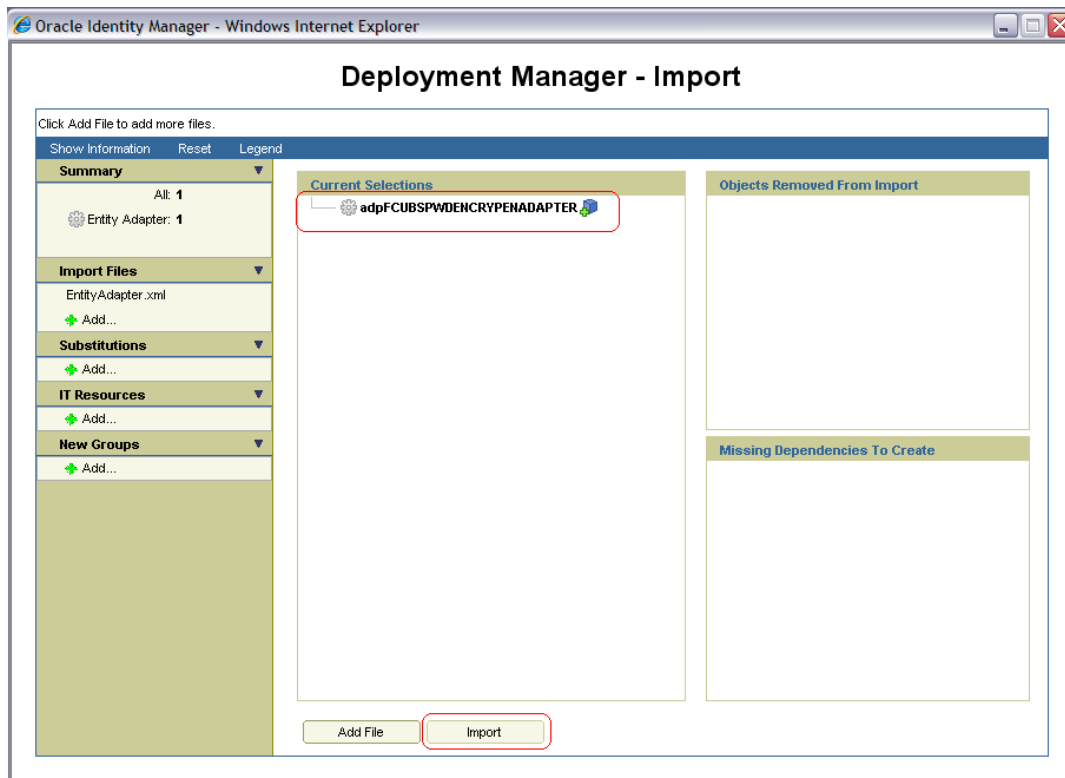
We will get File preview screen

Click on Add file.



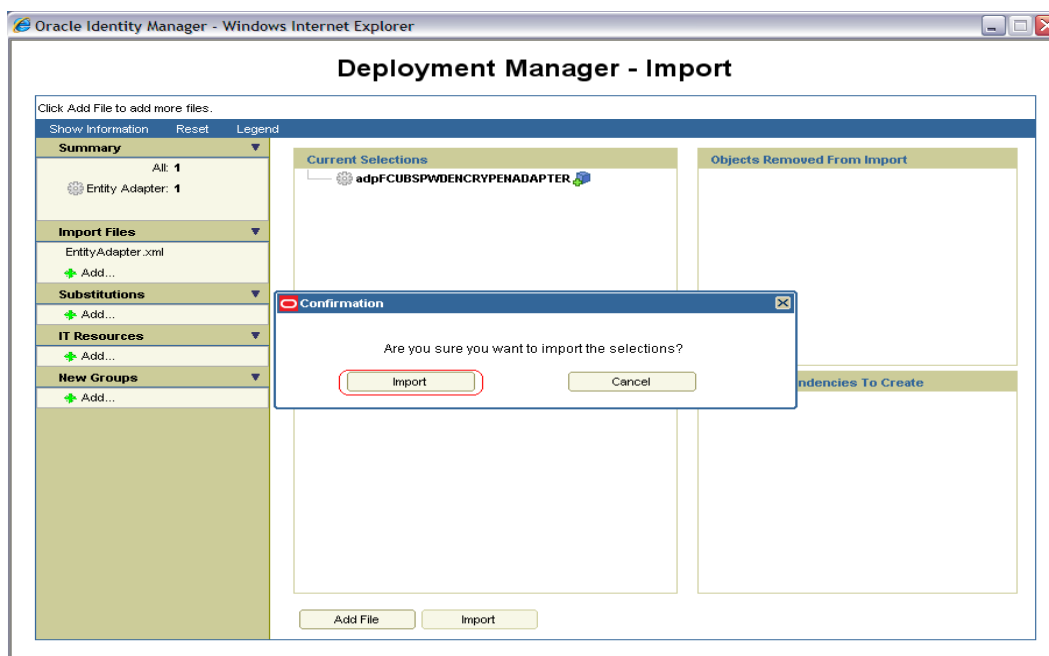
Next screen will be the current selection screen containing three Pre-populate adapter named adpFCISPWDENCRYPENADAPTER

Click on Import.



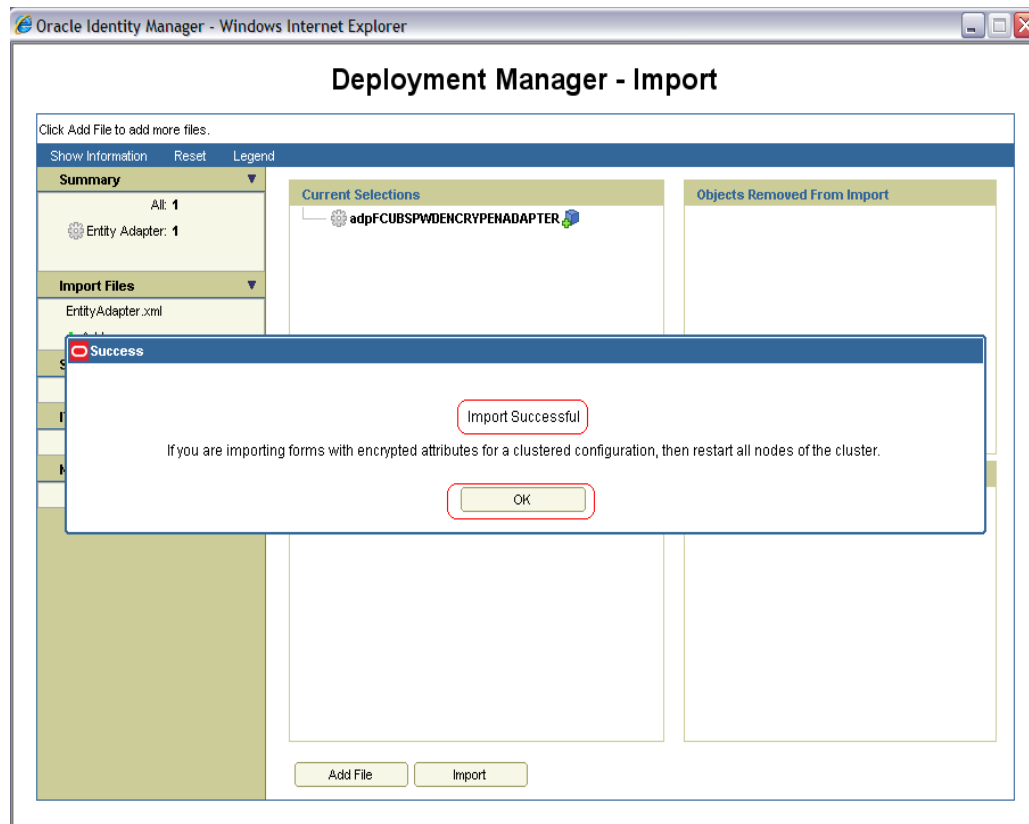
Above will prompt for Import Confirmation

Click on Import to start import.



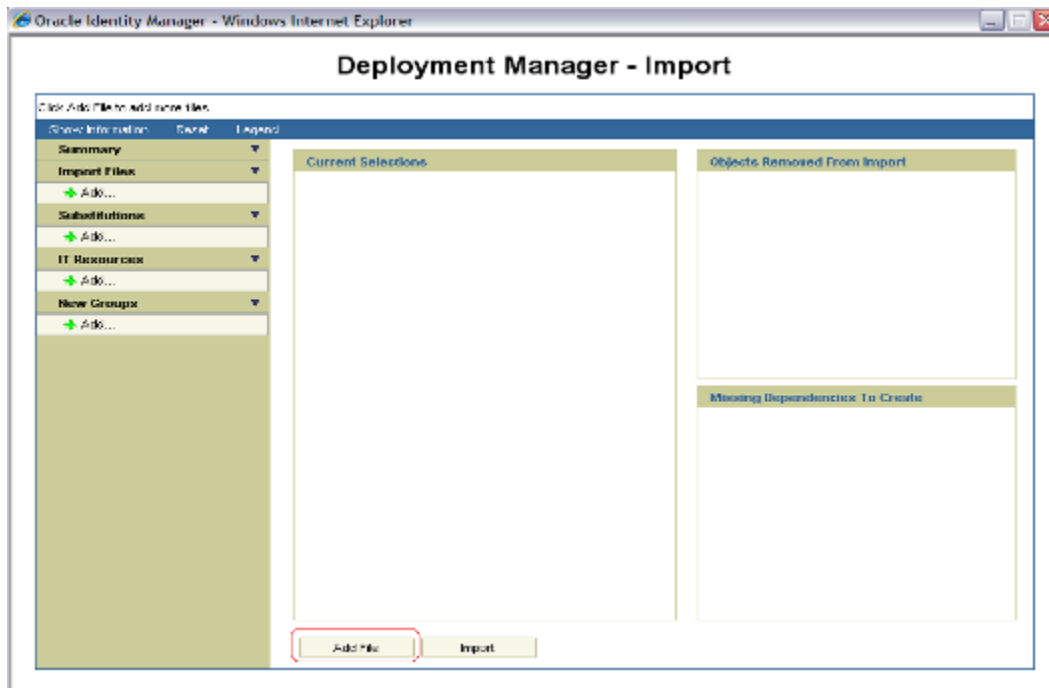
On successful import following screen will come.

Ensure that import is successful and click on ok.



The following screen will get displayed.

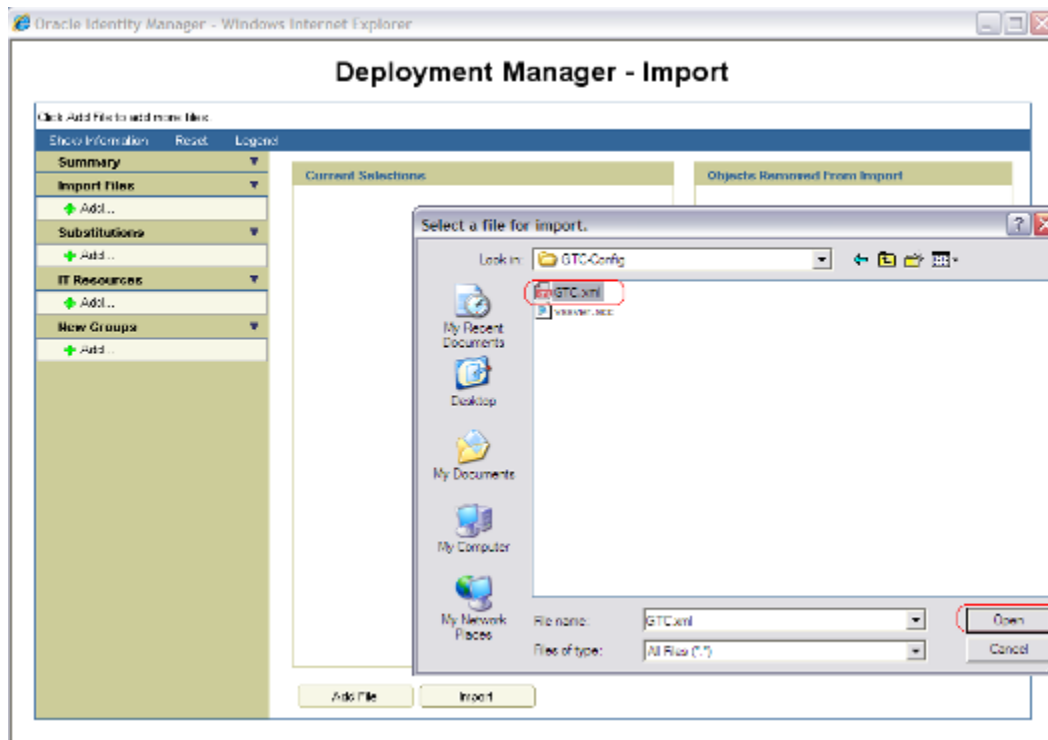
Click on Add File.



Open file window will get appeared.

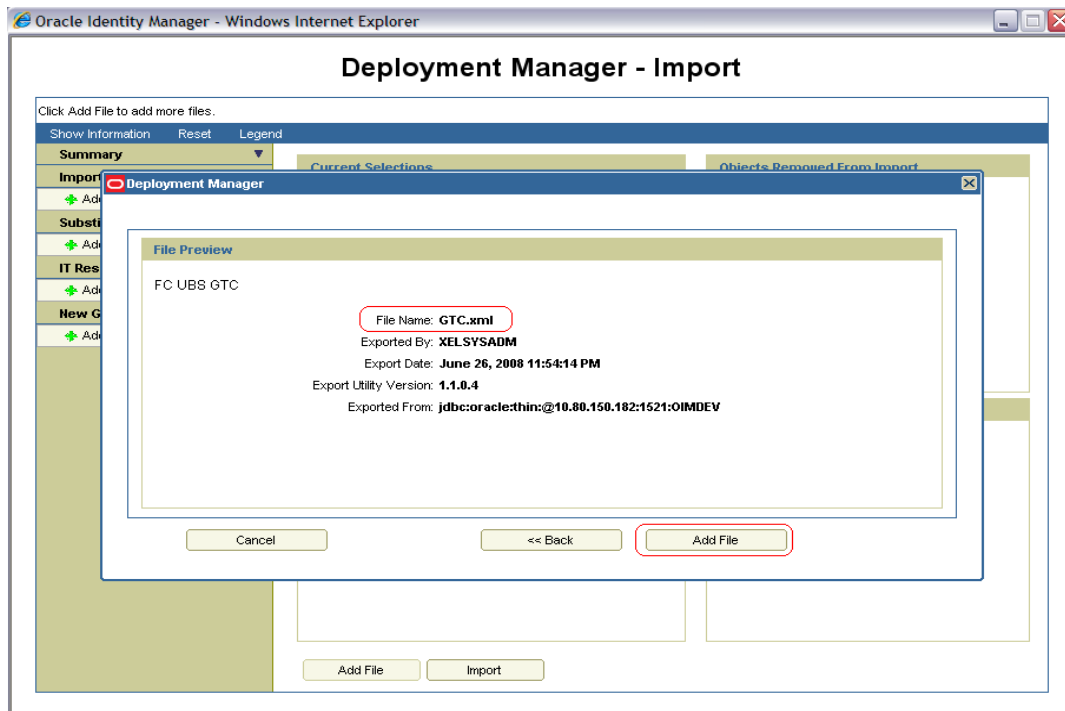
Select GTC.xml file from the folder < SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\GTC\Config-XML.

Click on Open.



We will get File preview screen

Click on Add file.

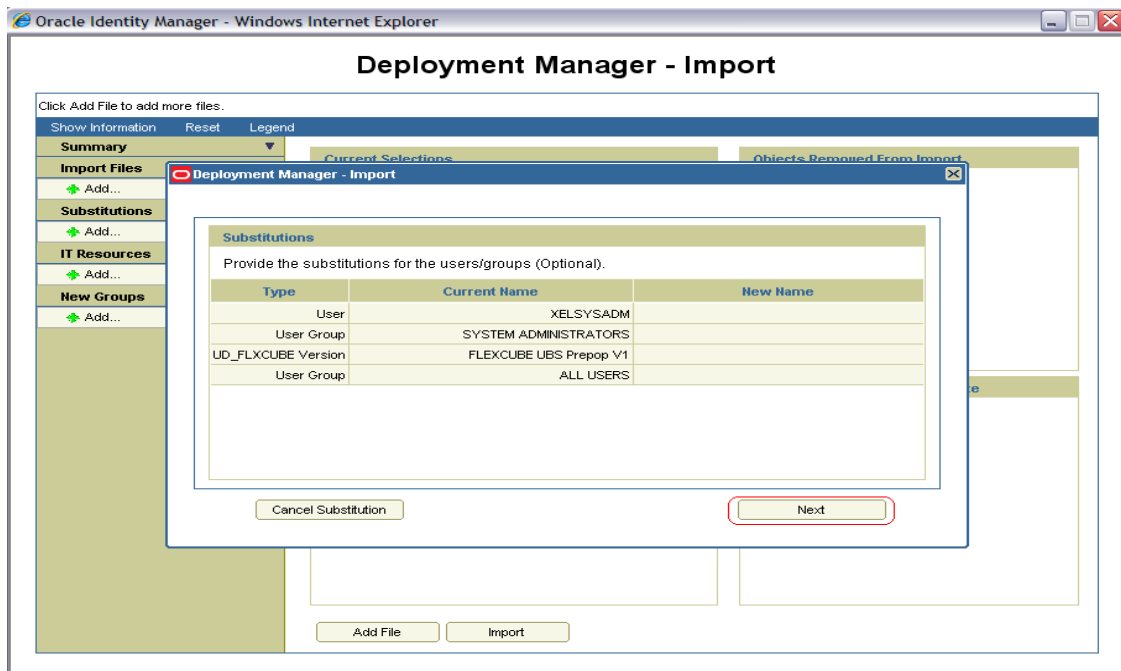


Next screen will be the substitution screen.

- If the GTC is imported first time then click on Next.
- If GTC have been already imported once successfully, change the Version name for process form **UD_FLXCUBE** for example

UD_FLXCUBE Version = FLEXCUBE UBS Prepop V2.

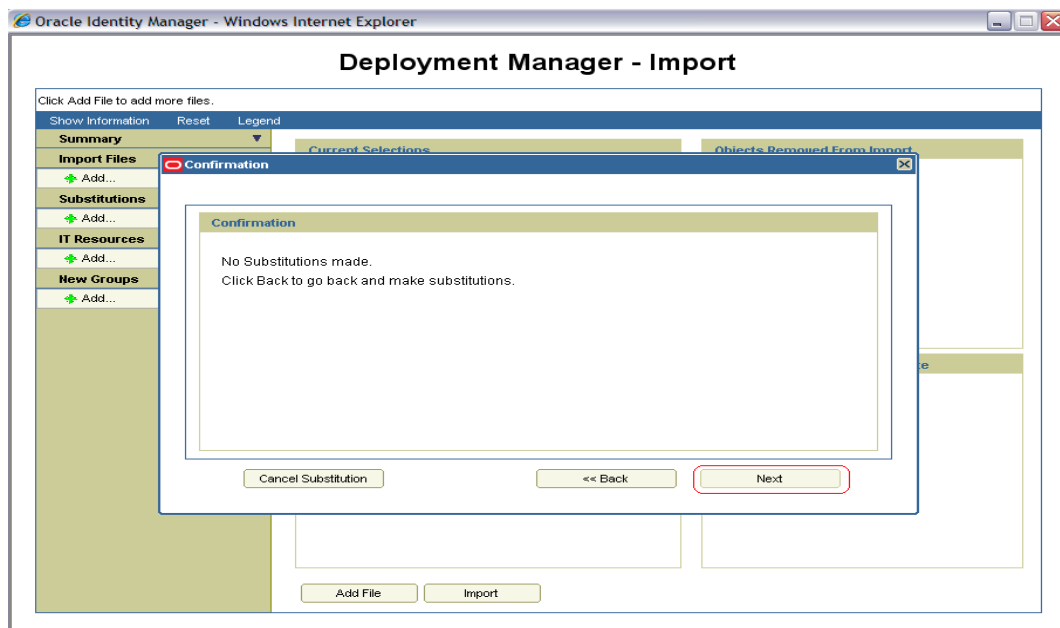
Then click on Next.



Above will prompt for substitution Confirmation

If something has been changed on previous screen it will list those substitution otherwise below screen will get displayed.

Click on Next.

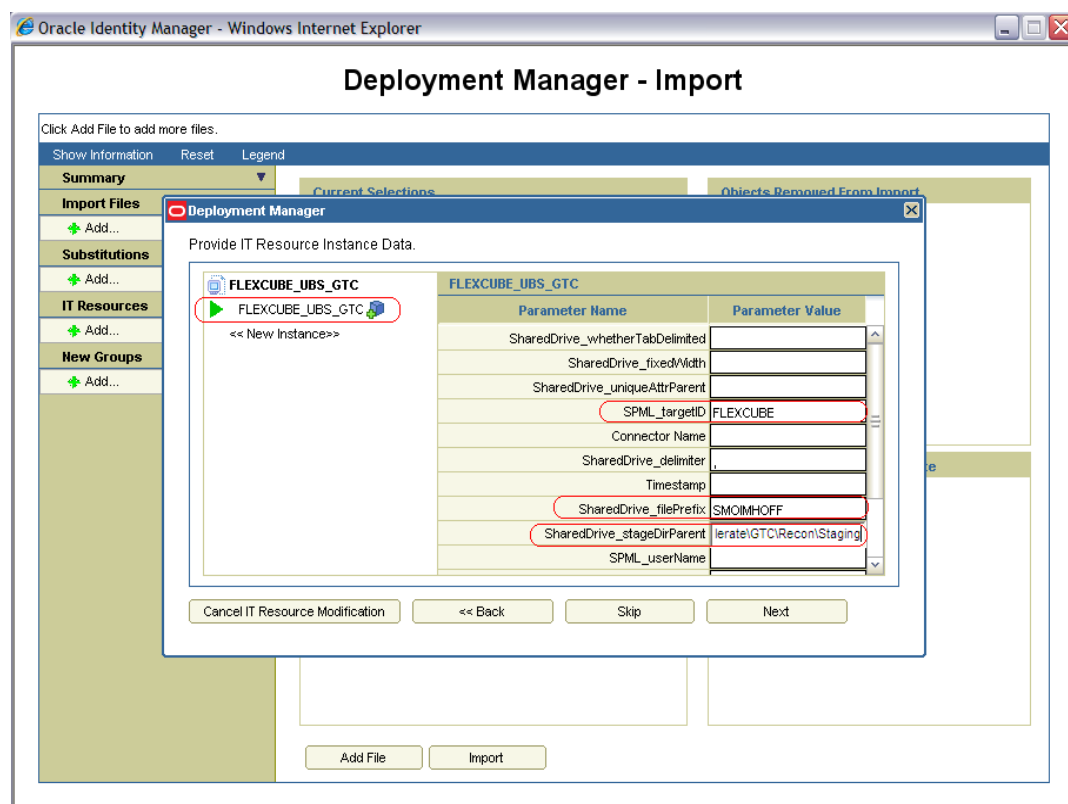


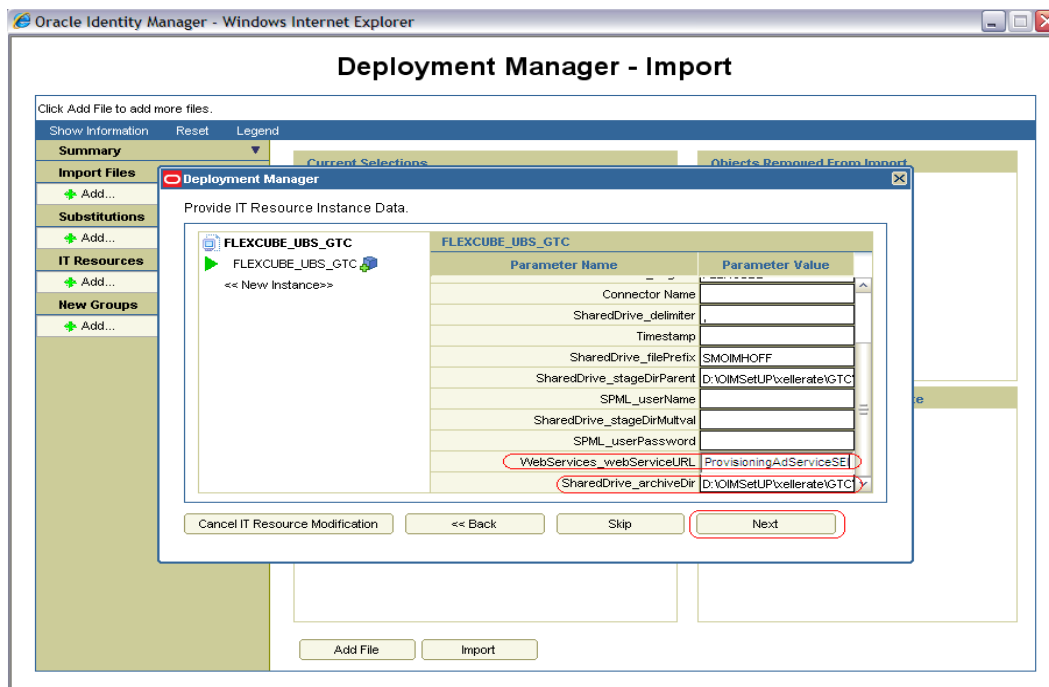
Next, Provide IT resource instance data screen will get displayed.

Ensure that the green arrow should point to FLEXCUBE_UBS_GTC.

Provide followings to the right hand table:

Parameter Name	Parameter Value
SPML_targetID	Oracle FLEXCUBE
SharedDrive_filePrefix	SMOIMHOFF
SharedDrive_stageDirParent	Full path of the staging folder created in step 4 of OIM setup
Webservices_webserviceURL	Provisioning web service FCISProvisioningAdService URL deployed in step .Typically it should be like http://<hostName>:<port>/ FCISProvisioningAdService/services/ FCISProvisioningAdServiceSEI
SharedDrive_archiveDir	Full path of the archiving folder created in step 4 of OIM setup

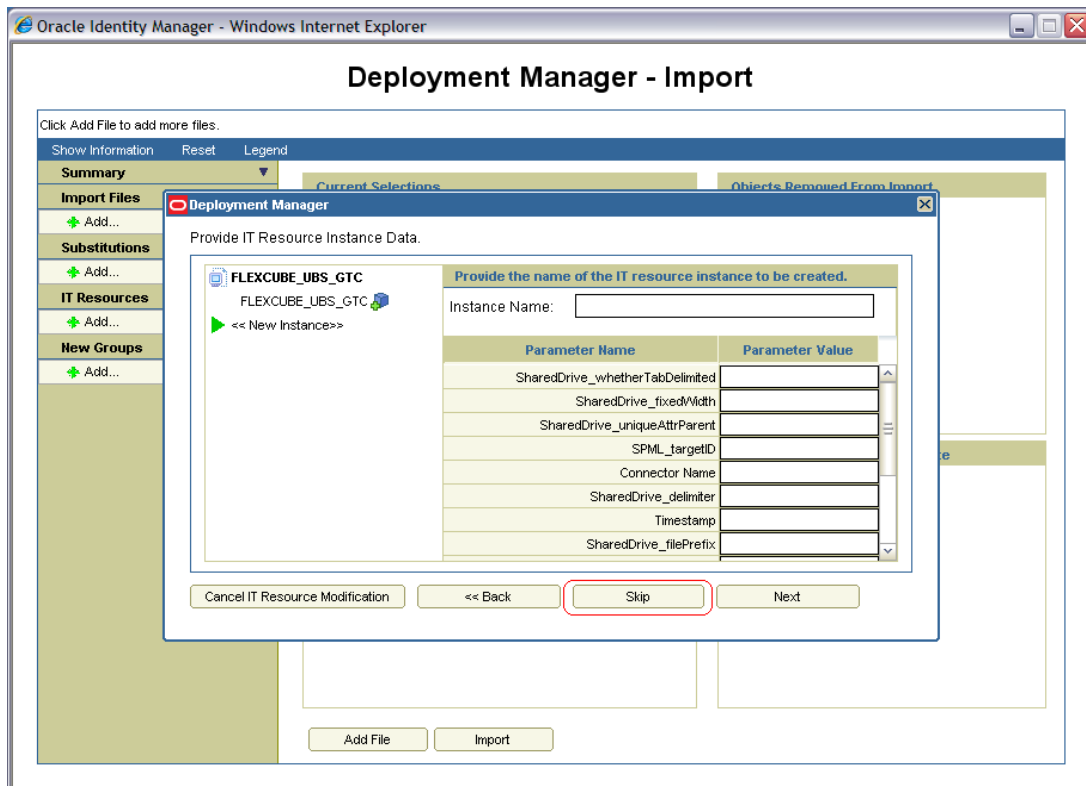




Click on Next.

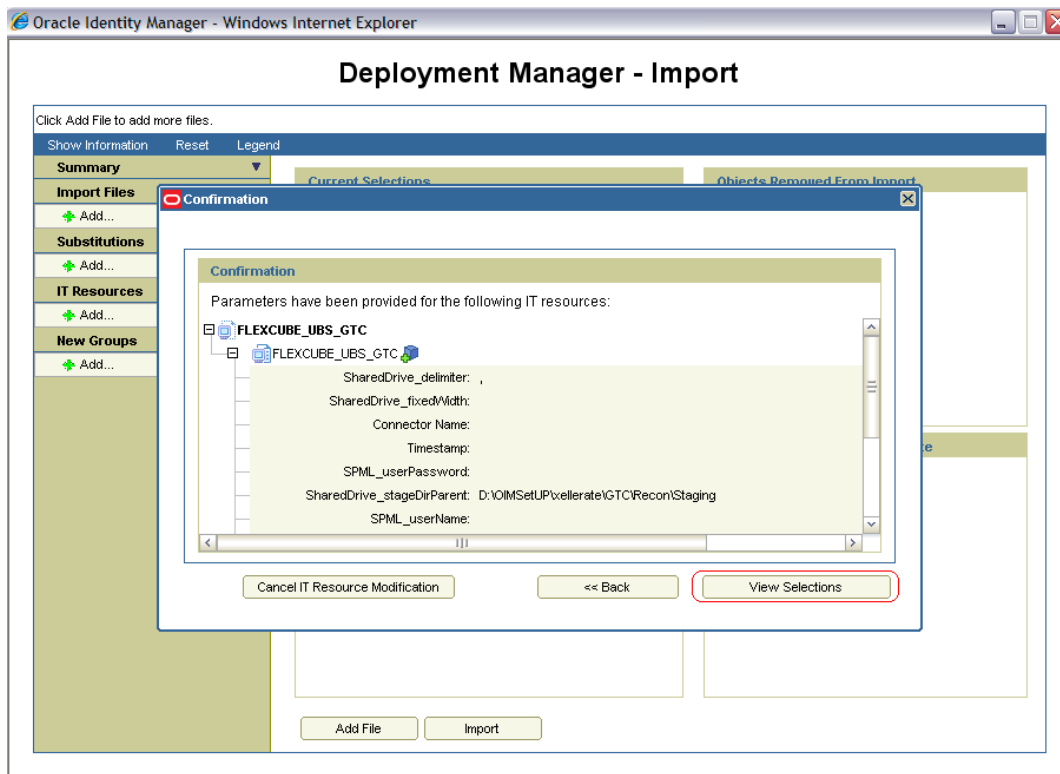
The following screen will get displayed.

Click on Skip.



A confirmation window for parameter values will get displayed.

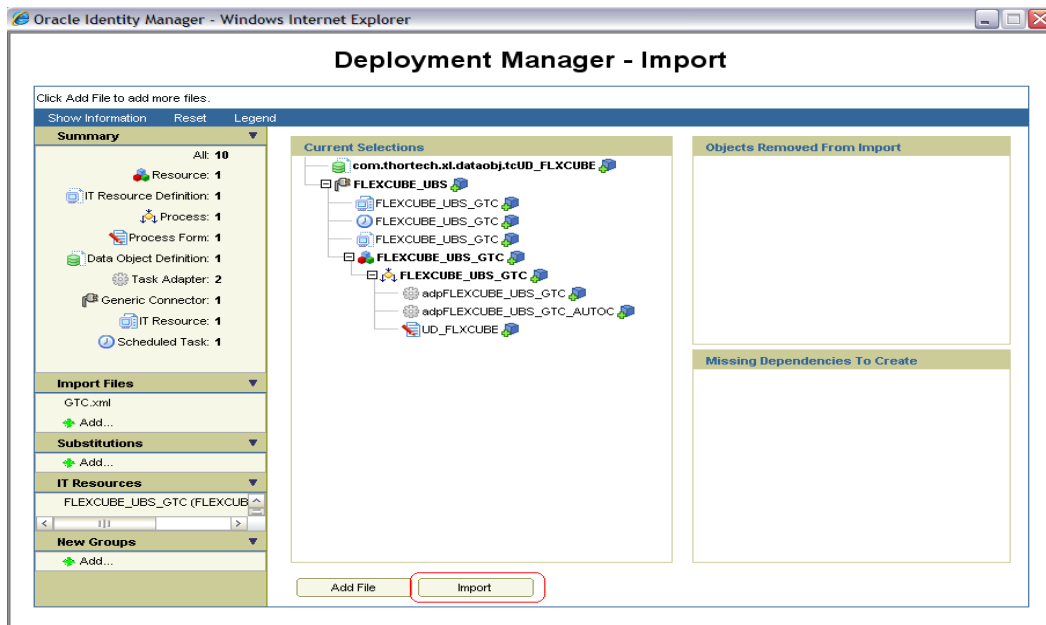
Confirm the values and click on View Selections.



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

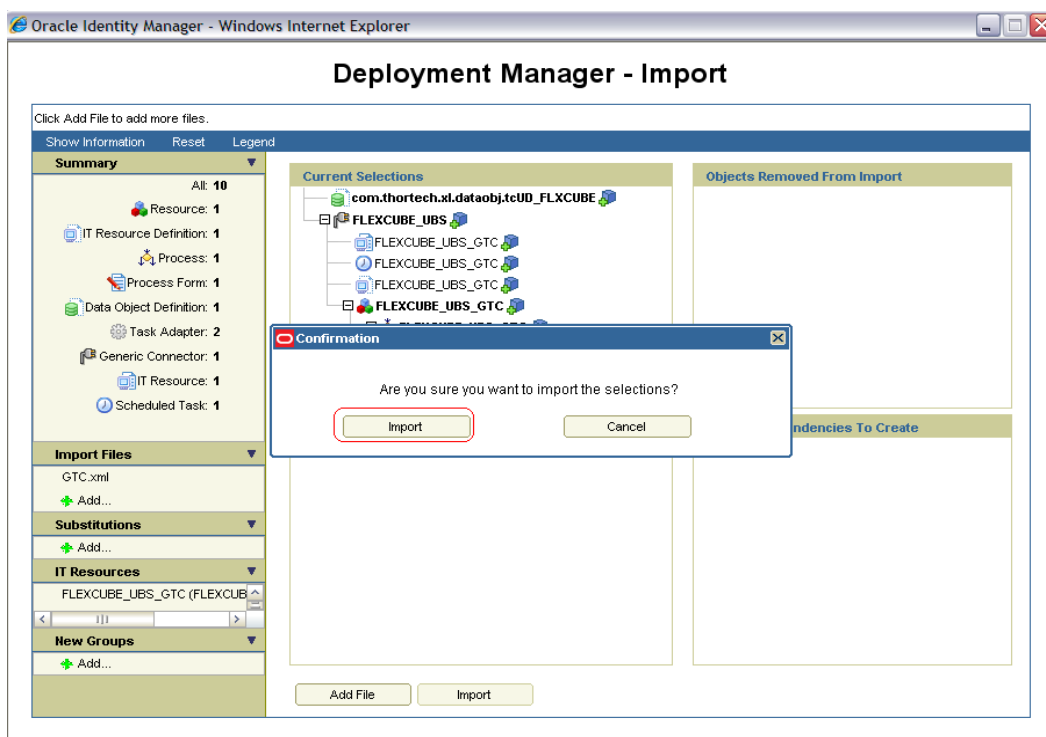
Make sure that there should be no items in Missing Dependencies to create box on right below of the screen. If so, probably some previous imports has been missed out or not imported successfully. Repeat the earlier imports again.

Otherwise click on Import.



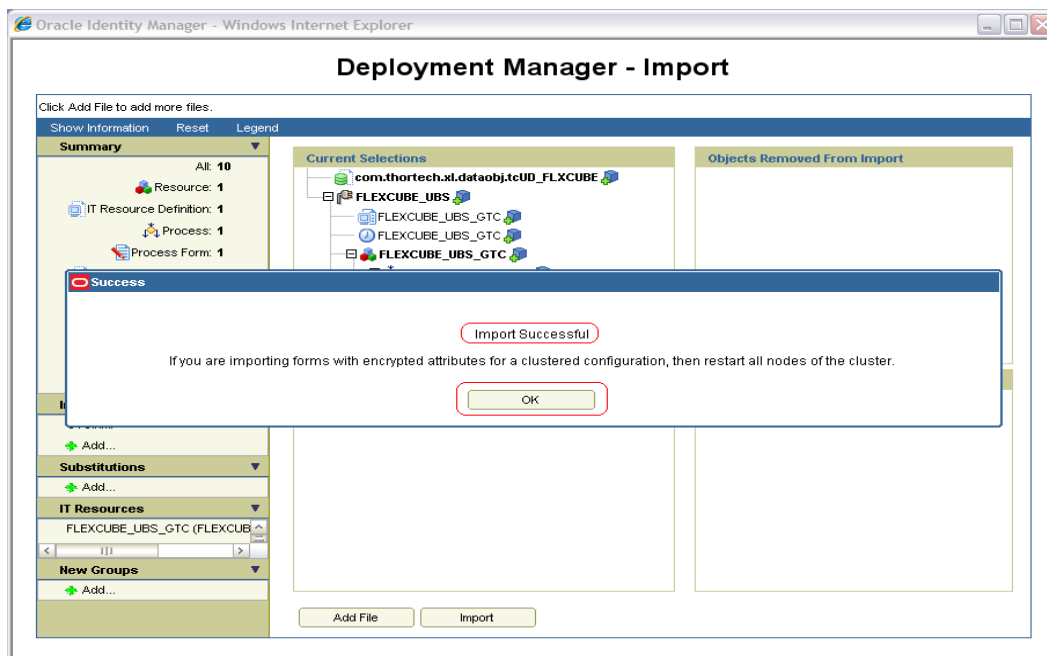
Above will prompt for Import Confirmation

Click on Import to start import.



On successful import following screen will come.

Ensure that import is successful and click on ok.



Schedule Task setup

This step involves setting up Schedule task parameters.

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

Login to Administrative Console

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

Navigate to the Resource Management>>Manage Schedule task menu option.

In the Schedule Task Management screen

- Select Schedule Task Name from the dropdown.
- Enter **FCIS_BranchCode_SchTask** as task name.
- Click on Search.

Following screen will appear.

Click on Schedule Task Name link.

ORACLE Identity Manager

Welcome System Administrator

HOME | LOGOUT | ABOUT

My Account
My Resources
Requests
To-Do List
Users
Organizations
User Groups
Access Policies
Resource Management
Deployment Management
Reports
Generic Technology Connector
Help

Scheduled Task Management

Select a scheduled task and the action that you want to perform on it.

Scheduled Task Name: FCUBS_BranchCode_Sch

Task State: Inactive

Search Clear

Results 1-1 of 1

Scheduled Task	Status	Frequency	Last Start	Last Stop	Next Start	Edit	Enable	Disable	Run Now
FCUBS_BranchCode_SchTask	Inactive	1 day	n/a	n/a	n/a	Edit	Enable	Disable	Run Now

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

Schedule Task screen will get displayed

Click on Edit

ORACLE Identity Manager

Welcome System Administrator

HOME | LOGOUT | ABOUT

My Account
My Resources
Requests
To-Do List
Users
Organizations
User Groups
Access Policies
Resource Management
Deployment Management
Reports
Generic Technology Connector
Help

Scheduled Task Details

Task Information

Task Name: FCUBS_BranchCode_SchTask

Class Name: com.OracleIntegration.scm.FCUBSLOVSchTask

Task State: Disabled

Status: Inactive

Schedule

Max Retries: 1

Next Start: n/a

Frequency: Every 1 day

Attributes

Results 1-8 of 8

Attribute Name	Attribute Value
Lookup Name	Lookup.FCUBS.BranchCode
QM Country	US
QM Language	en
Query	select branch_code ~branch_code ~branch_name from atm_branch order by branch_code
WebService Name	FCUBSLOVASService
WebService Namespace	http://services.us.oracle.com/integration/lookup/
WebService Operation	lookup
WebService URI	http://ovtq8754.fbk.com:7777/FCUBSLOVASService/FCUBSLOVASService

Edit Run Now

Back to Search Results

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

On the Edit Schedule Task screen

- Select Enabled.

- Enter the current date as next start.
- Select frequency.
- Click on continue.

ORACLE Identity Manager

Welcome System Administrator

HOME | LOGOUT | ABOUT

My Account
My Resources
Requests
To-Do List
Users
Organizations
User Groups
Access Policies
Resource Management
• Manage
• Create IT Resource
• Manage IT Resource
• Create Scheduled Task
• **Manage Scheduled Task**
Deployment Management
Reports
Generic Technology Connector
Help

Edit Scheduled Task

* Indicates required field

Task Information

Task Name * FCUBS_UsrLang_SchTas

Class Name * com.iflex.fcubs.integration Clear

Status ☒ Enabled 1 ☐ Disabled

Schedule

Max Retries 1

Next Start July 24, 2008 3:03:51 2

Frequency ☒ Once ☒ Every 1 Days

Last Start n/a

Last Stop n/a

Cancel Continue >> 3

[Back to Search Results](#)

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

Attributes screen will get displayed

- From the attribute drop down select WebService URL.
- Enter URL of LOV web service: FCISLOVAdService deployed in section 5.1.1.2.1.
- Click on Update.
- Repeat above steps to change Attribute value, if it is required.
- Click on Save Changes.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
- Organizations
- User Groups
- Access Policies
- Resource Management
 - Manage
 - Create IT Resource
 - Manage IT Resource
 - Create Scheduled Task
 - Manage Scheduled Task**
- Deployment Management
- Reports
- Generic Technology Connector
- Help

Attributes

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

Attribute Name	Attribute Value	Delete
Lookup Name	Lookup FCUBS.UserLanguage	
OM Country	US	
OM Language	en	
Query	select LANG_CODE[~][LANG_CODE][~][Lang_name from smtb_language order by LANG_CODE	
WebService Name	FCUBSLOVAdService	
WebService NameSpace	http://ovservice.ws.om.integration.fcubs.iflex.com	
WebService Operation	lookup	
WebService Uri	http://ovrhp0704.i-flex.com:7777/FCUBSLOVAdService/services/FCUBSLOVAdServiceSEI	

First | Previous | Next | Last

Attribute With

Attribute With

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

Following screen will get displayed

Click on Run Now button. This will run this schedule task that will call the web service to get Brach codes and populate the Lookup.FCIS.BranchCode.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
- Organizations
- User Groups
- Access Policies
- Resource Management
 - Manage
 - Create IT Resource
 - Manage IT Resource
 - Create Scheduled Task
 - Manage Scheduled Task**
- Deployment Management
- Reports
- Generic Technology Connector
- Help

Scheduled Task Management

Select a scheduled task and the action that you want to perform on it.

Scheduled Task Name Task State

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

Scheduled Task	Status	Frequency	Last Start	Last Stop	Next Start	Edit	Enable	Disable	Run Now
FCUBS_BranchCode_SchTask	Inactive	1 day	N/A	N/A	July 24, 2008 2:58:04 PM				

First | Previous | Next | Last

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

Repeat the steps 3rd to 8th for Schedule task: **FCIS_UsrLang_SchTask**.

5.3 System Configurations

5.3.1 Integration Specific Configurations

5.3.1.1 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.

Maintenance of Maker ID

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

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 E	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

Change in XSL to support FCIS functionality

Go to the following path,

oracle_home\j2ee\home\applications\FCUBSProvisioningAdService

change the ADOIM_ADDREQUEST.XSL in the following manner,

```
<?xml version="1.0" ?>

<xsl:stylesheet

    xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0"

    xmlns:sp="urn:oasis:names:tc:SPML:2:0"

    xmlns:dsml="urn:oasis:names:tc:DSML:2:0:core" exclude-result-prefixes="sp dsml">

    <xsl:output method="xml" indent="yes" omit-xml-declaration="yes"/>
```

```

<xsl:strip-space elements="*" />

<xsl:param name="msgID" select=""/>

<xsl:param name="makerID" select=""/>

<xsl:param name="headOffice" select=""/>

<xsl:param name="source" select=""/>

<xsl:template match="/">

```

```

    <FCUBS_REQ_ENV
xmlns="http://fcubs.iflex.com/service/FCUBSSMService/CreateUserMaint"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://fcubs.iflex.com/service/FCUBSSMService/CreateUserMaint/S
M-CreateUserMaint-Req-IO-MSG.XSD">

```

```

    <FCUBS_HEADER>

        <SOURCE><xsl:value-of select="$source"/></SOURCE>

        <UBSCOMP>FCIS</UBSCOMP>

        <MSGID><xsl:value-of select="$msgID"/></MSGID>

        <CORRELID></CORRELID>

        <USERID><xsl:value-of select="$makerID"/></USERID>

        <BRANCH><xsl:value-of select="$headOffice"/></BRANCH>

        <MODULEID>SMSDUMMY</MODULEID>

        <SERVICE>FCISUser</SERVICE>

        <OPERATION>CreateUser</OPERATION>

        <SOURCE_OPERATION>CreateUser</SOURCE_OPERATION>

        <SOURCE_USERID>SYSADMIN</SOURCE_USERID>

        <xsl:for-each select="sp:addRequest">

            <DESTINATION>

                <xsl:value-of select="@targetID"/>

            </DESTINATION>

        </xsl:for-each>

```

```

</FCUBS_HEADER>

<FCUBS_BODY>
    <UserMaster>
        <xsl:for-each select="sp:addRequest/sp:data/dsml:attr">
            <xsl:if test= '@name!="objectclass"'>
                <xsl:element name="{@name}">

                    <xsl:value-of select="normalize-
space(.)"/>

                </xsl:element>
            </xsl:if>
        </xsl:for-each>
        <USERSTATUS>E</USERSTATUS>
    </UserMaster>
</FCUBS_BODY>
</FCUBS_REQ_ENV>
</xsl:template>
</xsl:stylesheet>

```

c. in the same way change,

```

ADOIM_DELETEREQUEST.xsl,ADOIM_MODIFYREQUEST.xsl,
ADOIM_QUERYREQUEST.xsl,ADOIM_RESUMEREQUEST.XSL,
ADOIM_SUSPENDREQUEST.XSL

```

5.3.2 OIM Configurations

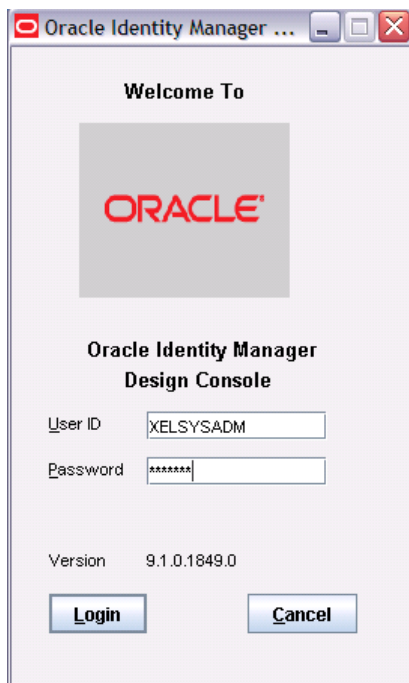
5.3.2.1 Configurations for Reconciliation reporting

To enable the reporting for Rogue Accounts by Resource and Fine Grained Entitlement Exceptions **XL.EnableExceptionReports** property should be set to TRUE. This step must be performed immediately after installing OIM and before using OIM. This step is not a required one but it is recommended.

By default, these two exception reports are not enabled. In order to enable them, follow the following steps.

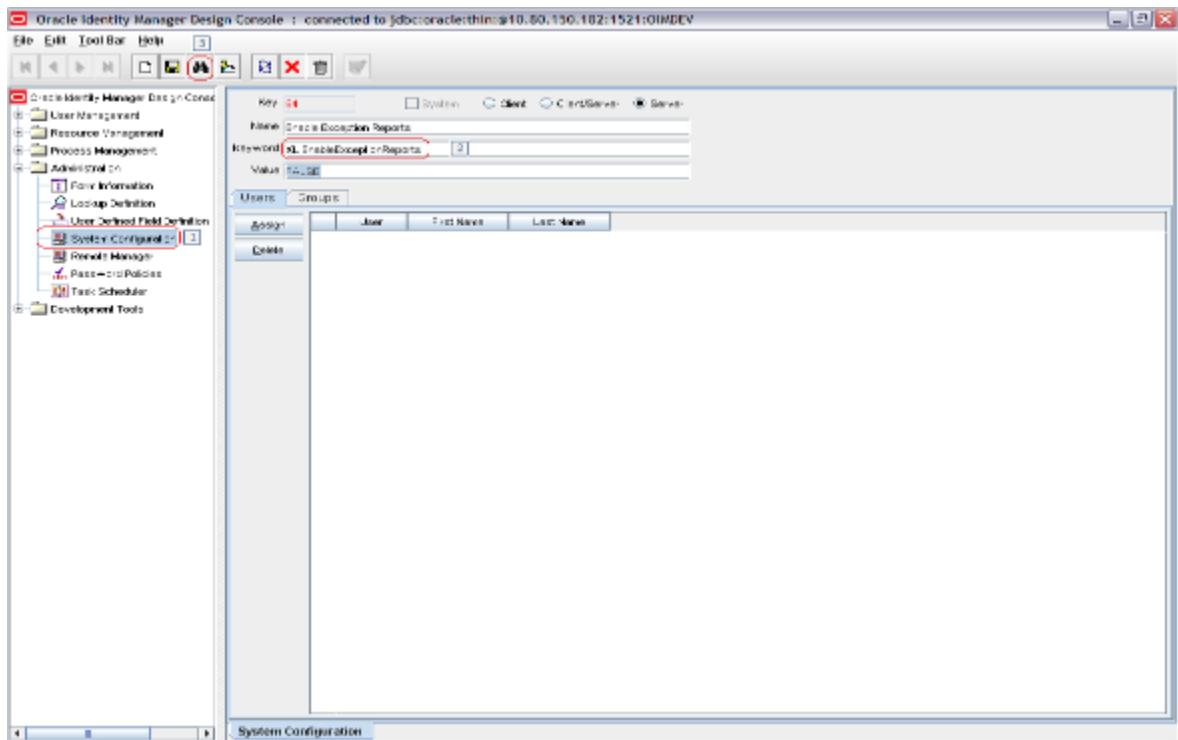
- Open the Oracle Identity Manager Design console. (Navigate through the Start>> Programs>> Oracle Identity Manager 9.1.0>>Oracle Identity Manager Client)
- Login to the Design Console

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



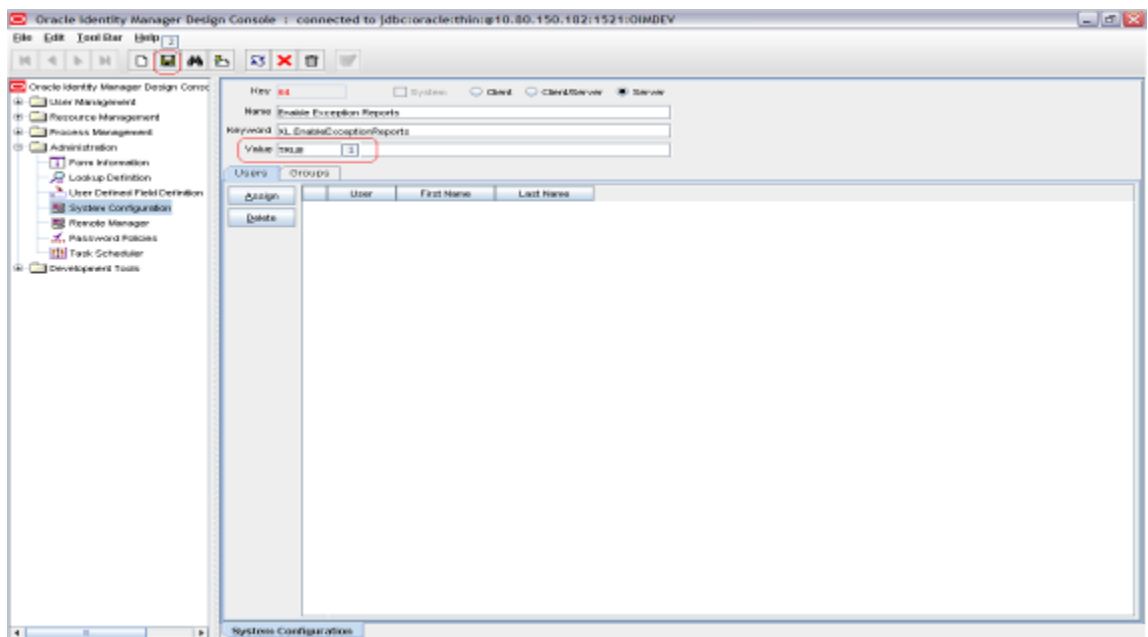
Navigate to the Administration>>System Configuration menu. This will open a blank screen.

- Enter XL.EnableExceptionReports in Keyword box.
- Click on Search icon.
- This will show the value for the **XL.EnableExceptionReports**.



The following screen will get displayed.

Enter **TRUE** in value box and save the form

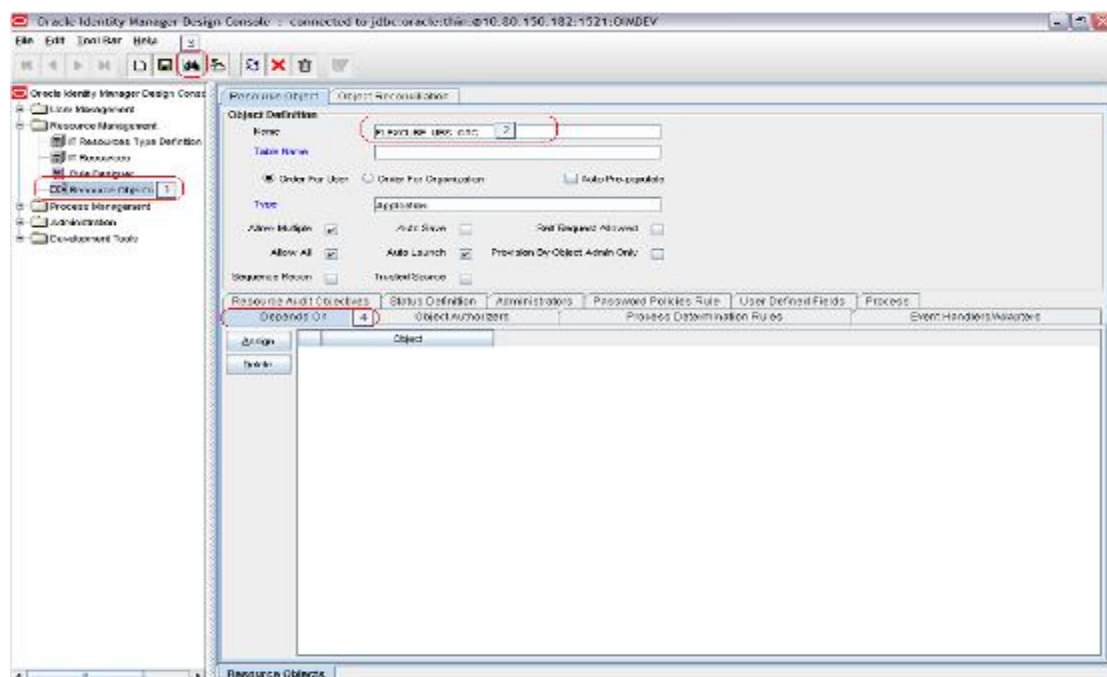


5.3.2.2 OID Configuration

For FCIS single sign on mode, the provisioning process consist of user creation in underlying LDAP directory and then provsioining into FCIS. 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.

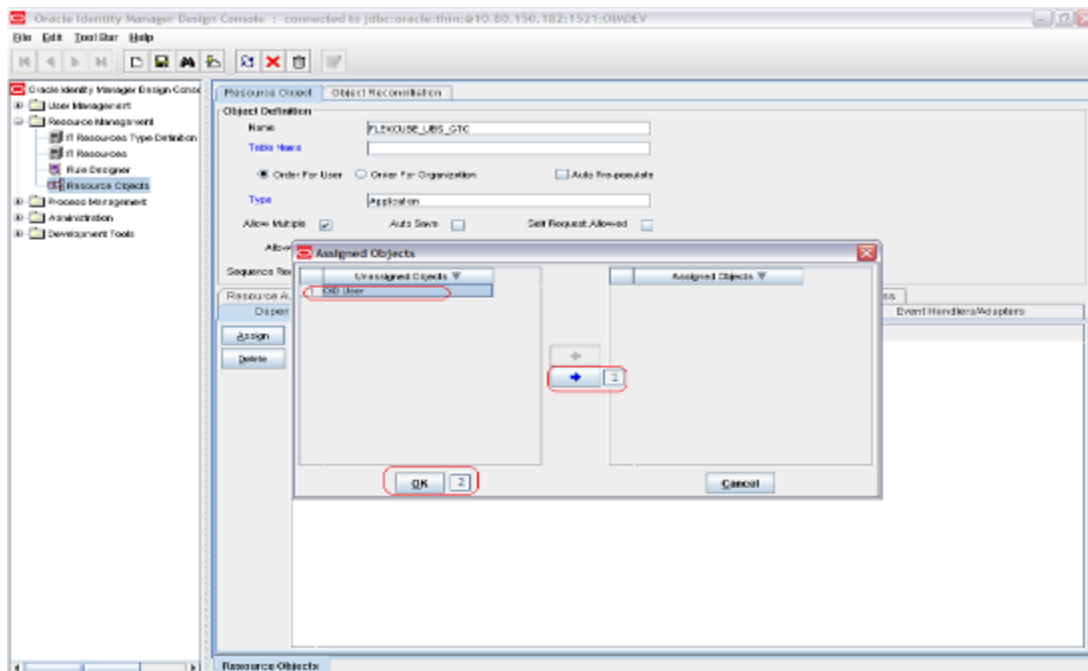
In this integration, the underlying directory for Oracle access manager is Oracle Internet Directory. OIM porvides out of box connector for it that need to be imported as the connector document provided by OIM. After import, following steps should be followed:

- Open the Oracle Identity Manager Design console. (Navigate through the Start>> Programs>> Oracle Identity Manager 9.1.0>>Oracle Identity Manager Client)
- Login to the Design Console.
- Navigate to the Administration>>Lookup Definition menu. This will open a blank screen.
 - Enter AttrName.Prov.Map.OID in Keyword box.
 - Click on Search icon.
 - This will show the value for the **lookup**.
- Navigate to the Resource Management>>Resource Objects menu. This will open a blank screen.
 - Enter FLEXCUBE_UBS_GTC in Name box.
 - Click on Search icon.
 - This will show the definition for resource FLEXCUBE_UBS_GTC. Click on Depends On tab.



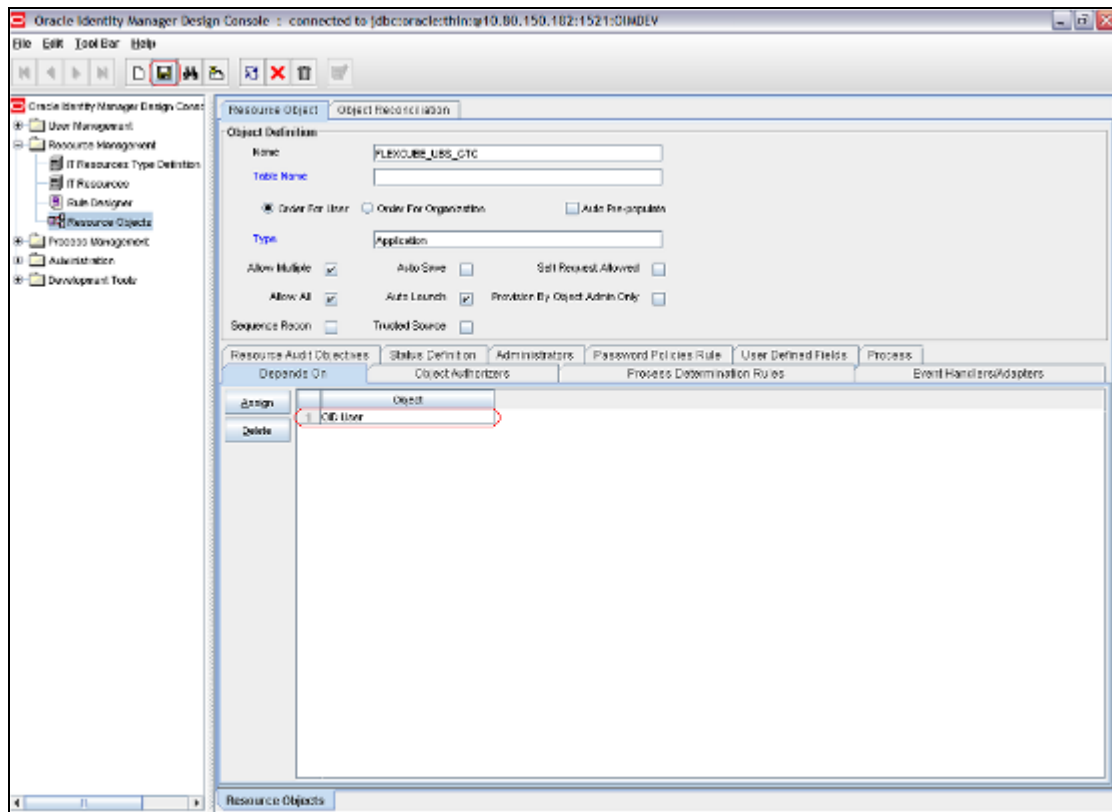
Select the OID User from the Unassigned Objects list. Click on the arrow pointed to Assign objects.

Click on OK. This will move OID user resource to Assigned objects



Ensure that OID User will be shown under Objects.

Click on Save.



6. Solution / Usage Guidelines

6.1 Working with OIM

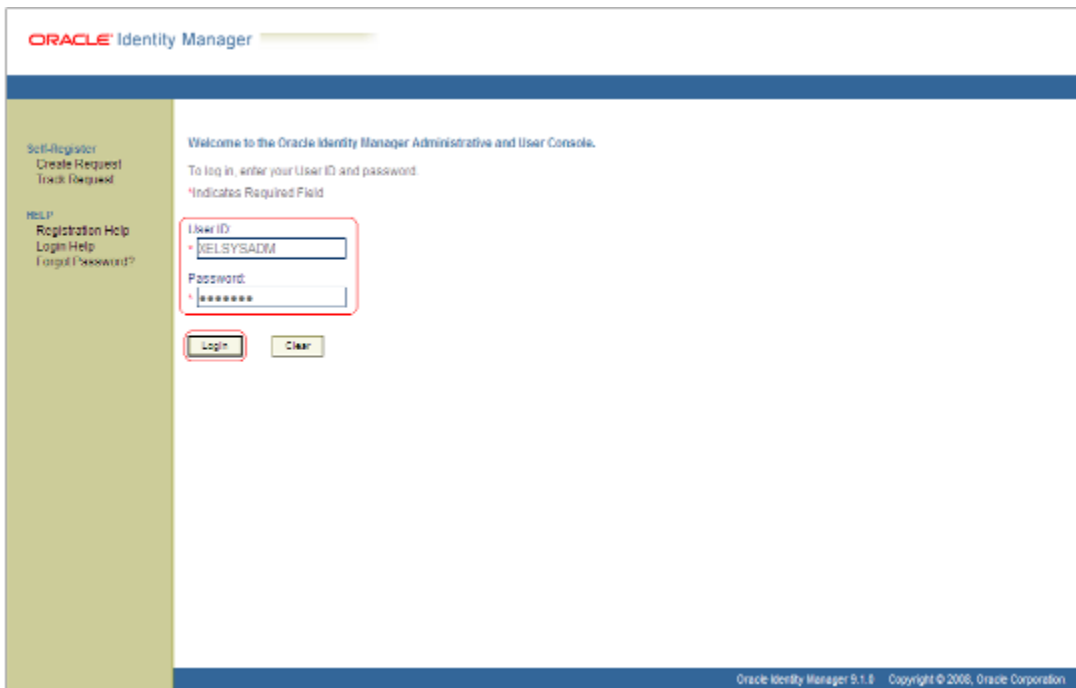
6.1.1 Creating a user in FCIS through OIM

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

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

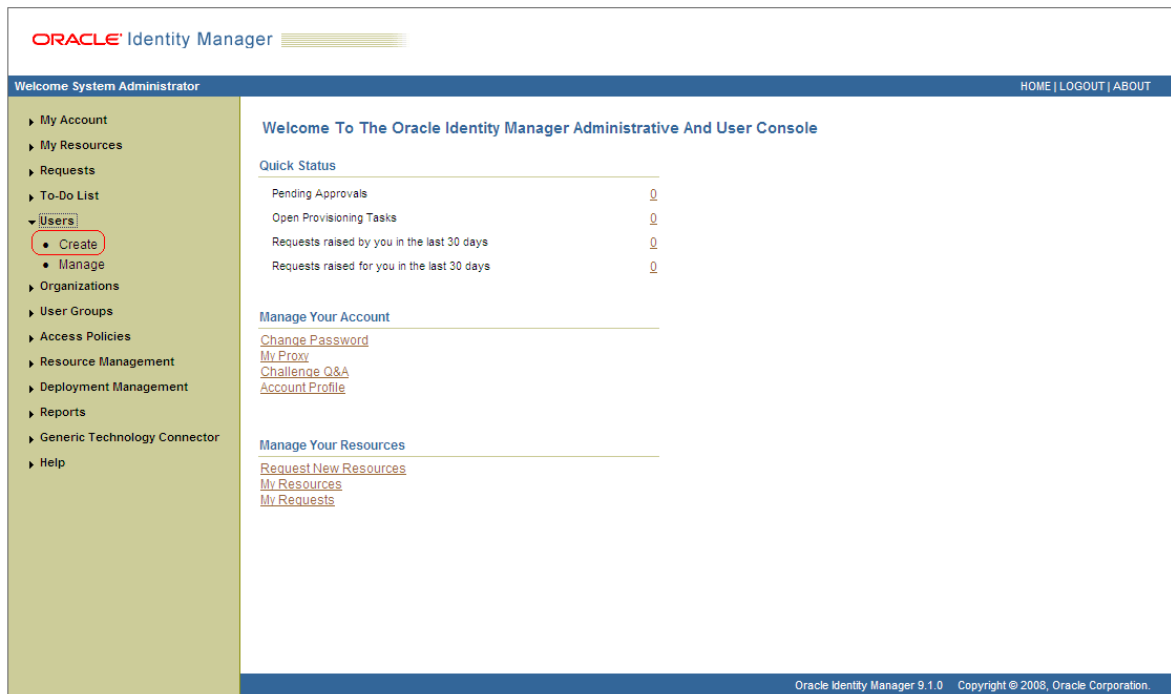
Login to Administrative Console

Enter OC4J administrator username/password and press **Login**.



The screenshot shows the Oracle Identity Manager Administrative and User Console login page. The page has a blue header with the Oracle Identity Manager logo. On the left, there is a green sidebar with links: Self-Register, Create Request, Track Request, HELP, Registration Help, Login Help, and Forgot Password?. The main content area is white and contains a welcome message: "Welcome to the Oracle Identity Manager Administrative and User Console. To log in, enter your User ID and password. *Indicates Required Field". Below this, there are two input fields: "User ID" with the value "WELSYSADM" and "Password" with the value "*****". Both fields are marked with a red asterisk. Below the input fields are two buttons: "Login" and "Clear". The footer of the page is blue and contains the text "Oracle Identity Manager 9.1.8 Copyright © 2006, Oracle Corporation".

Navigate to the Users>>Create menu option.



The Create User screen will get displayed.

Enter the details of the user (The Fields that are marked with * are required fields.)

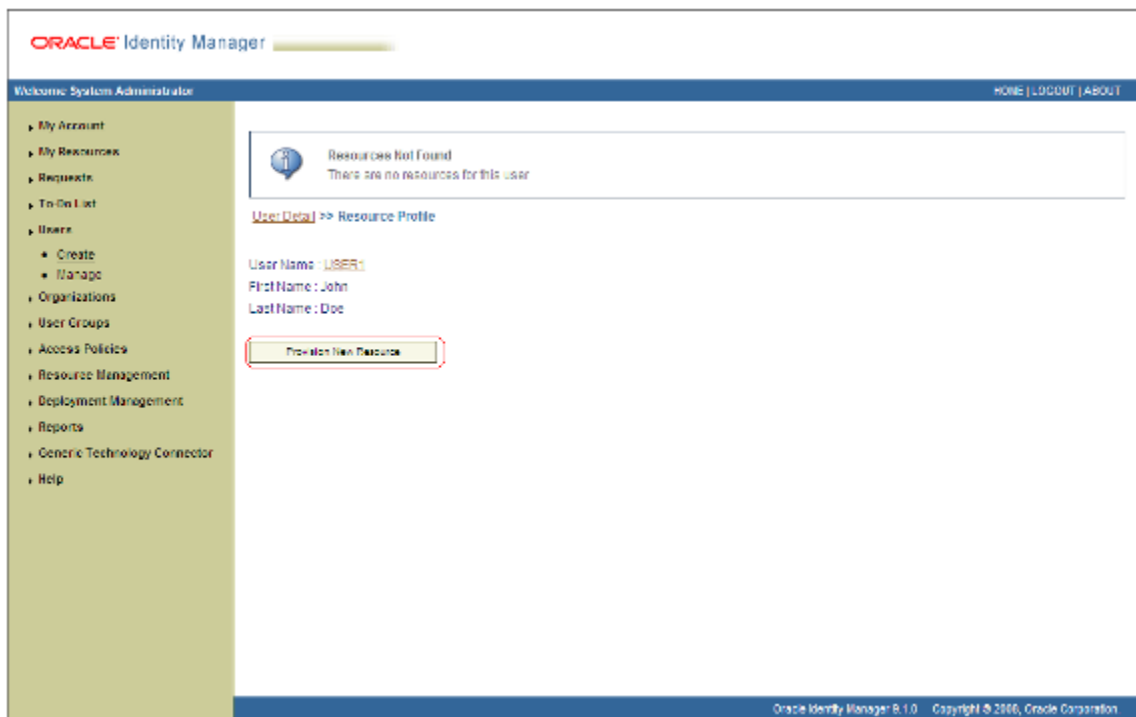
Click on Create User.

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

Select Resource Profile from drop down box.

Following screen will get displayed

Click on Provision New Resource



Following screen will get displayed containing all resources defined in OIM.

Select the resource **FLEXCUBE_UBS_GTC**.

Click on Continue.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
 - Create
 - Manage
- Organizations
- User Groups
- Access Policies
- Resource Management
- Deployment Management
- Reports
- Generic Technology Connector
- Help

Provision Resource to User
You are provisioning to John Doe [USER1]

Step 1: Select a Resource

Select a resource to provision.

Filter By:

Results 1-1 of 1

	Resource Name	Resource Type	Resource Form
1	FLEXCUBE_UBS_GTC	Application	Na

2

Oracle Identity Manager 9.1.3 Copyright © 2008, Oracle Corporation.

The Verification screen will get displayed

Verify the resource name: it should be FLEXCUBE_UBS_GTC and user.

Click on Continue.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
 - Create
 - Manage
- Organizations
- User Groups
- Access Policies
- Resource Management
- Deployment Management
- Reports
- Generic Technology Connector
- Help

Provision Resource to User
You are provisioning to John Doe [USER1]

Step 2: Verify Resource Selection

You have selected to provision **FLEXCUBE_UBS_GTC** to **John Doe [USER1]**

Oracle Identity Manager 9.1.3 Copyright © 2008, Oracle Corporation.

Provisioning form for FLEXCUBE_UBS will get displayed containing fields that will be sent to the FCIS for user creation. Some of the fields will already contain values like

- containerID
- objectclass
- USERID
- USERNAME and
- USERPASSWORD

Values for the above mentioned fields can be changed but it is recommended that containerID and objectclass values should be modified.

The screenshot shows the Oracle Identity Manager web interface. The top navigation bar includes 'ORACLE Identity Manager' and links for 'HOME | LOGOUT | ABOUT'. A left sidebar contains a menu with options like 'My Account', 'My Resources', 'Requests', 'To-Do List', 'Users', 'Organizations', 'User Groups', 'Access Policies', 'Resource Management', 'Deployment Management', 'Reports', 'Generic Technology Connector', and 'Help'. The main content area is titled 'Provision Resource to User' and 'You are provisioning to John Doe (USER1)'. It shows a progress bar with six steps, where the fifth step is active. Below this, it says 'Step 5: Provide Process Data' and 'Provisioning form for FLEXCUBE_UBS'. A 'Prepopulate' button is visible. A list of fields is shown on the left, with a red asterisk indicating required fields. The fields and their values are: containerID (FLEXCUBE_UBS), objectclass (Users), ID (), USERNAME (USER1), USERPASSWORD (John Doe), HOVERANCH (), USERLANGUAGE (), TIMELEVEL (), and STARTDATE (). There are 'Clear' buttons next to the USERNAME, USERPASSWORD, HOVERANCH, and USERLANGUAGE fields. At the bottom of the form are 'Edit' and 'Continue >>>' buttons. The footer of the page reads 'Oracle Identity Manager 9.1.0 Copyright © 2006, Oracle Corporation'.

Enter the values for other fields and click on Continue.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
 - Create
 - Manage
- Organizations
- User Groups
- Access Policies
- Resource Management
- Deployment Management
- Reports
- Generic Technology Connector
- Help

Provision Resource to User
You are provisioning to John Doe [USER1].

1 2 3 4 5 6

Step 5: Provide Process Data

Provisioning form for FLEXCUBE_UBS

* Indicates required field

containerID

objectclass

ID

USERID

USERNAME

USERPASSWORD

HOMEBRANCH

USERLANGUAGE

TIMELEVEL

STARTDATE

2

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

The Verify Process Data screen will get displayed

Verify the values. If want to change any, click on back.

Click on Continue.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
 - Create
 - Manage
- Organizations
- User Groups
- Access Policies
- Resource Management
- Deployment Management
- Reports
- Generic Technology Connector
- Help

Provision Resource to User
You are provisioning to John Doe [USER1].

1 2 3 4 5 6

Step 6: Verify Process Data

You have selected to provision FLEXCUBE_UBS_GTC to John Doe [USER1].

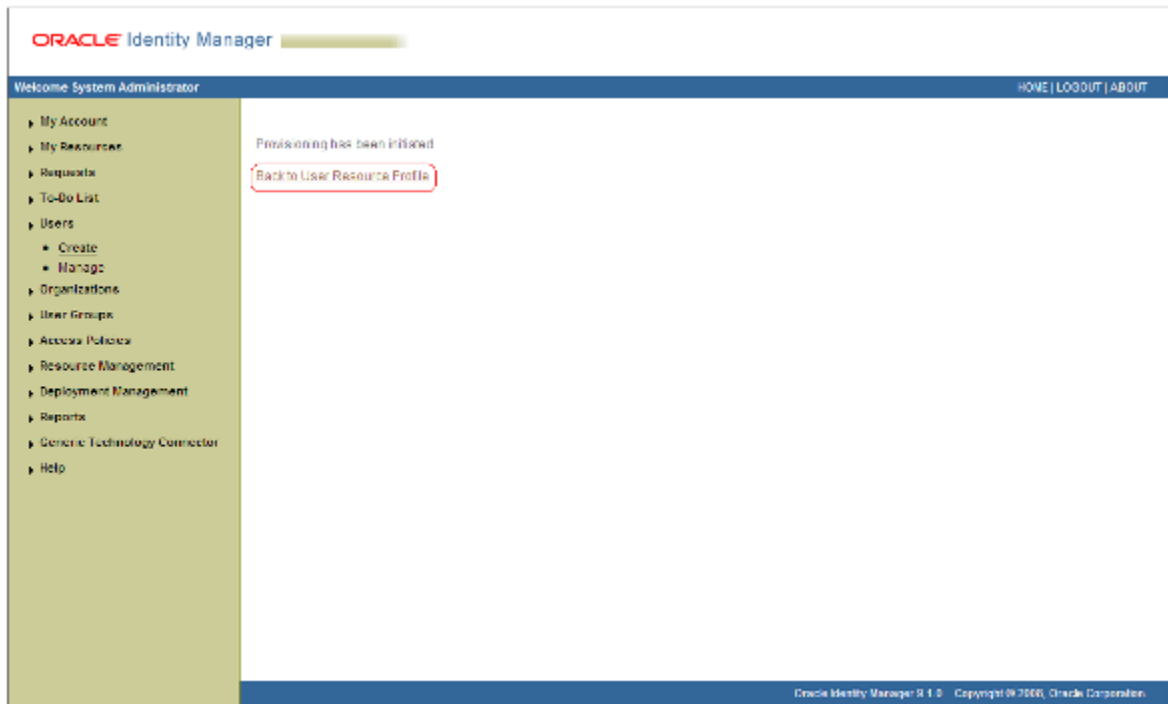
Provisioning form for FLEXCUBE_UBS Edit

containerID	FLEXCUBEDB
objectclass	Users
ID	
USERID	USER1
USERNAME	John Doe
USERPASSWORD	*****
HOMEBRANCH	CHO BANK OF INDIA
USERLANGUAGE	ENG English
TIMELEVEL	9
STARTDATE	July 4, 2000

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

Following screen will get displayed containing information that Provisioning process has been instantiated

Click on **Back to User Resource Profile** link.



We will get following screen containing the status of Provision Process

Confirm the status: It should be mentioned as Provisioned.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
 - Create
 - Manage
- Organizations
- User Groups
- Access Policies
- Resource Management
- Deployment Management
- Reports
- Generic Technology Connector
- Help

[User Detail](#) >> Resource Profile

User Name : USER1
 First Name : John
 Last Name : Doe

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

Resource Name	Status	Description	Request ID	Resource Form	Process Form	Enable	Disable	Revoke
<u>FLEXCUBE_UBS_GTC</u>	Provisioned	27			View Edit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="button" value="Enable"/>	<input type="button" value="Disable"/>	<input type="button" value="Revoke"/>

[Provision New Resource](#) First | Previous | Next | Last

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

If the status is **Provisioning**, click on **FLEXCUBE_UBS_GTC** link

The Task status screen will appear.

If the reason of rejection of request is System error (like web service invocation error etc) then Check the retry checkbox and click on **Retry**.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

▶ My Account
 ▶ My Resources
 ▶ Requests
 ▶ To-Do List
 ▶ Users

- Create
- Manage

▶ Organizations

▶ User Groups

▶ Access Policies

▶ Resource Management

▶ Deployment Management

▶ Reports

▶ Generic Technology Connector

▶ Help

[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_UBS_GTC provisioning details for John Doe[USER1]

Results 1-2 of 2 First | Previous | Next | Last

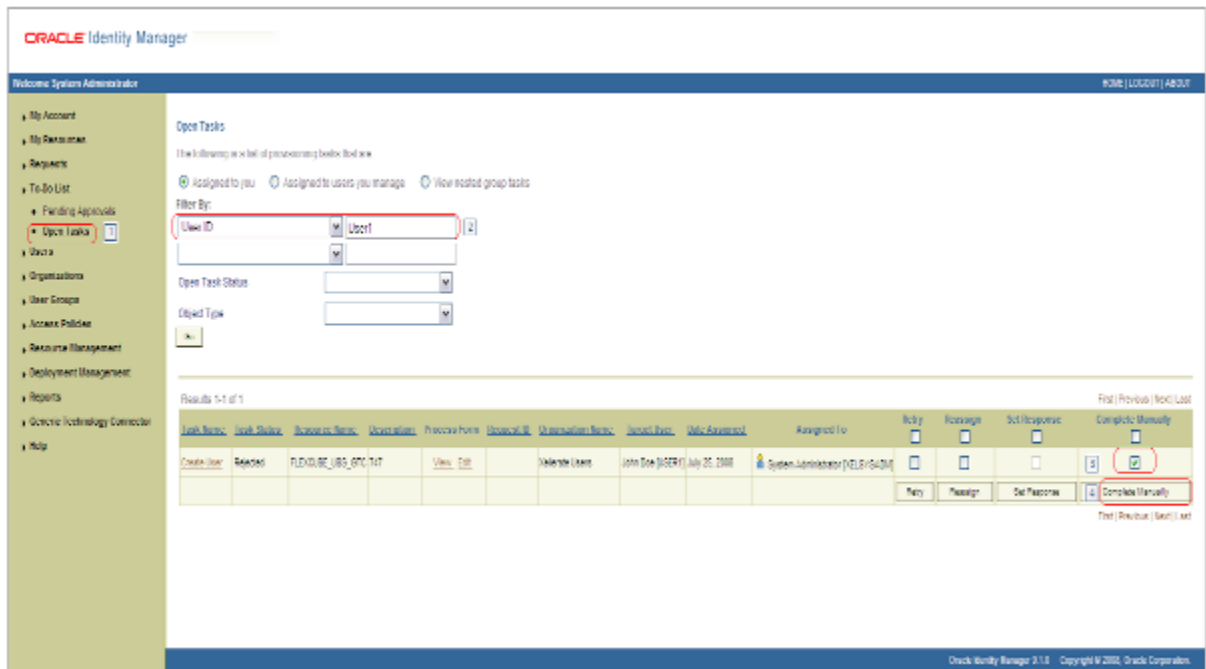
Task Name	Task Status	Date Assigned	Assigned To	Retry
System Validation	Completed	July 25, 2008	System Administrator [XELSYSADM]	<input type="checkbox"/>
Create User	Rejected	July 25, 2008	System Administrator [XELSYSADM]	1 <input checked="" type="checkbox"/> 2 <input type="button" value="Retry"/>

First | Previous | Next | Last

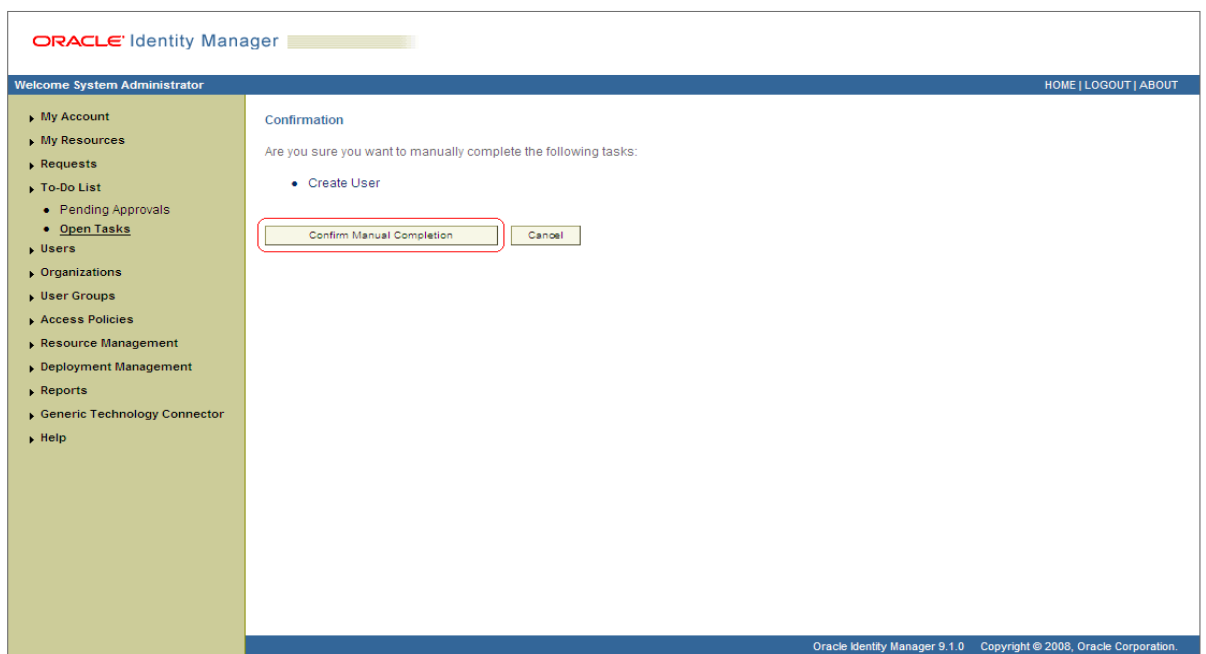
Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

If the reason of rejection of request is something like wrong field value then follow below steps

- Navigate through the To-Do-List>> Open Tasks
- In the Filter By drop down select User ID and enter required user id and press enter or click on go.
- Above will show the pending task for that user. Check the **Complete Manually** box and click on Complete Manually.



On the confirmation screen, click on Complete Manual Completion



This will make the rejected task as completed as shown in below screen.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
 - Create
 - Manage
- Organizations
- User Groups
- Access Policies
- Resource Management
- Deployment Management
- Reports
- Generic Technology Connector
- Help

[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_UBS_GTC provisioning details for John Doe[USER1]

Results 1-2 of 2 First | Previous | Next | Last

Task Name	Task Status	Date Assigned	Assigned To	Retry
System Validation	Completed	July 25, 2008	System Administrator [XELSYSADM]	<input type="checkbox"/>
Create User	Completed	July 25, 2008	System Administrator [XELSYSADM]	<input type="checkbox"/>

Enable Disable Revoke Add Task Retry First | Previous | Next | Last

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

Reassign the FLEXCUBE_UBS_GTC to the user.

For user provisioning with single sign on follow the steps as below:

Create a user in OIM as explained above.

Note

While creating a user that will be provisioned with OID too, follow the password policy of the OID. OID connector pre-populates its provision form with OIM user form. If you want to continue with same value then while the creation of the OIM user gives the password or change the password on the OID user provision form according to OID password policy otherwise the provision request will get rejected with the error Invalid Naming error.

Go to the resource profile of that user and select OID User from the provisioning resource list.

Click on continue.

ORACLE Identity Manager

Welcome System Administrator

HOME | LOGOUT | ABOUT

Provision Resource to User
You are provisioning to John Doen [OIMUSER1].

Step 1: Select a Resource

Select a resource to provision.

Filter By Resource Name Go

Results 1-2 of 2

Resource Name	Resource Type	Resource Form
<input type="radio"/> FLEXCUBE_UBS_GTC	Application	No
<input checked="" type="radio"/> OID User	Application	No

First | Previous | Next | Last

Exit Continue >>

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

Verify the resource selection and click on continue.

OID user provision form will get appear. Accept the default (password can be changed) and click on continue.

ORACLE Identity Manager

Welcome System Administrator

HOME | LOGOUT | ABOUT

Provision Resource to User
You are provisioning to John Doen [OIMUSER1].

Step 5: Provide Process Data

OID User

Prepopulate

* Indicates required field

User ID

Password

Prefix

First Name

Middle Name

Last Name

Organization DN Clear

Department

Location

Telephone

Email ID

Preferred Language Clear

Time Zone

Server Address Clear

Exit Continue >>

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

Click on continue on the next two screens for OID user role and OID user group.

(Do not assign any role or group to user).

Verify the process data and click on continue to save.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

Provision Resource to User
You are provisioning to John Doen [OIMUSER1].

Step 6: Verify Process Data

You have selected to provision OID User to John Doen [OIMUSER1].

OID User	
User ID	OIMUSER1
Password	*****
Prefix	
First Name	John
Middle Name	
Last Name	Doen
Organization DN	cn=users
Department	
Location	
Telephone	
Email ID	
Preferred Language	
Time Zone	
Server Address	OID Server

OID User >> OID User Role
This form does not have any entries. Click [here](#) to add.

OID User >> OID User Group
This form does not have any entries. Click [here](#) to add.

Oracle Identity Manager 9.1.0 Copyright © 2006, Oracle Corporation.

Verify the process completion on the user resource profile screen. The OID user resource status should be provisioned.

Create the user in FCIS as explained in steps I to xii.

6.1.2 **Modifying a user in FCIS through OIM**

Navigate to the Users>>Manage menu option.

On the Manage user screen, select User ID from the dropdown and enter user id that is to be modified.

Click on Search User.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
 - Create
 - Manage 1**
- Organizations
- User Groups
- Access Policies
- Resource Management
- Deployment Management
- Reports
- Generic Technology Connector
- Help

Manage User
Type in search criteria to search for users.

User ID 2

Employee Type

Status

Oracle Identity Manager 3.1.3 Copyright © 2006, Oracle Corporation.

We will get the details of the user.

Click on the User ID link that is: USER1.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
 - Create
 - Manage**
- Organizations
- User Groups
- Access Policies
- Resource Management
- Deployment Management
- Reports
- Generic Technology Connector
- Help

Manage User
Type in search criteria to search for users.

User ID

Employee Type

Status

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

User ID	First Name	Last Name	Status	Enable	Disable	Unlock	Delete
USER1	John	Doe	Active	<input type="button" value="Enable"/>	<input type="button" value="Disable"/>	<input type="button" value="Unlock"/>	<input type="button" value="Delete"/>

First | Previous | Next | Last

Oracle Identity Manager 3.1.3 Copyright © 2006, Oracle Corporation.

The OIM User Detail screen will get appeared.

Select Resource Profile from drop down box.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
 - Create
 - Manage
- Organizations
- User Groups
- Access Policies
- Resource Management
- Deployment Management
- Reports
- Generic Technology Connector
- Help

User Detail
This is information about the user.

You can view additional details about this user: Select...

User ID	USER1	Select...	User Disabled	<input type="checkbox"/>
First Name	John	Resource Profile	User Locked	<input type="checkbox"/>
Middle Name		Group Membership	Start Date	
Last Name	Doe	Proxy Details	End Date	
Status	Active		Provisioning Date	July 25, 2008
Organization	Xellerate Users		Deprovisioning Date	
User Type	End-User		Deprovisioned Date	
Employee Type	Full-Time Employee		Change Password at next logon	<input checked="" type="checkbox"/>
Manager ID				
Email				

Edit
Disable
Unlock
Delete
Change Password

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

Following screen will get displayed

Click on link given for Edit.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
 - Create
 - Manage
- Organizations
- User Groups
- Access Policies
- Resource Management
- Deployment Management
- Reports
- Generic Technology Connector
- Help

[User Detail](#) >> [Resource Profile](#)

User Name : [USER1](#)
First Name : John
Last Name : Doe

Results 1-1 of 1

Resource Name	Status	Description	Request ID	Resource Form	Process Form	Enable	Disable	Revoke
FLEXCUBE_UBS_GTC	Provisioned	27			View Edit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Enable
Disable
Revoke

Provision New Resource

First | Previous | Next | Last

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

The provisioning form for FLEXCUBE_UBS_GTC will get displayed.

Modify the values.

Click on Save.

Oracle Identity Manager

Welcome System Administrator

HOME | LOGOUT | ABOUT

My Account
My Resources
Requests
To-Do List
Users
Create
Manage
Organizations
User Groups
Access Policies
Resource Manager
Deployment Manager
Reports
Generic Technology
Help

Edit Form - Windows Internet Explorer

Provisioning form for FLEXCUBE_UBS

* Indicates required field

containerID: FLEXCUBE_UBS
objectclass: Users
ID: USER1
USERID: USER1
USERNAME: John Doe
USERPASSWORD: *****
HOMEBRANCH: CHD BANK OF INDIA
USERLANGUAGE: ENG English
TIMELEVEL: 5
STARTDATE: July 4, 2000

Save

Final | Previous | Next | Last

Resource Form	Process Form	Enable	Disable	Revoke
	View, Edit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Enable	Disable	Revoke

Final | Previous | Next | Last

Oracle Identity Manager 5.1.0 Copyright © 2006, Oracle Corporation.

On the resource profile screen

Click on Resource name FLEXCUBE_UBS_GTC link.

ORACLE Identity Manager

Welcome System Administrator

HOME | LOGOUT | ABOUT

My Account

My Resources

Requests

To-Do List

Users

Create

Manage

Organizations

User Groups

Access Policies

Resource Management

Deployment Management

Reports

Generic Technology Connector

Help

User Detail >> Resource Profile

User Name : USER1

First Name : John

Last Name : Doe

Results 1-1 of 1

Resource Name	Status	Description	Request ID	Resource Form	Process Form	Enable	Disable	Revoke
FLEXCUBE_UBS_GTC	Provisioned	27			View Edit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="button" value="Enable"/>	<input type="button" value="Disable"/>	<input type="button" value="Revoke"/>

Provision New Resource

First | Previous | Next | Last

First | Previous | Next | Last

Oracle Identity Manager 9.1.0

Copyright © 2008, Oracle Corporation.

Resource provisioning details screen will get displayed containing Task status.

Confirm the successful completion of the modification: for example if in earlier setps if modification has been made for field Time Level then this screen will contain TIMELEVEL Updated and on successful completion Task status will be **Completed** otherwise it will show status as rejected. On rejection, retry can be done.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
 - Create
 - Manage**
 - Organizations
 - User Groups
 - Access Policies
 - Resource Management
 - Deployment Management
 - Reports
 - Generic Technology Connector
 - Help

[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_UBS_GTC provisioning details for John Doe[USER1]

Results 1-3 of 3 First | Previous | Next | Last

Task Name	Task Status	Date Assigned	Assigned To	Retry
System Validation	Completed	July 25, 2008	System Administrator [XELSYSADMIN]	<input type="checkbox"/>
Create User	Completed	July 25, 2008	System Administrator [XELSYSADMIN]	<input type="checkbox"/>
TIMELEVEL Updated	Completed	July 25, 2008	System Administrator [XELSYSADMIN]	<input type="checkbox"/>

Enable Disable Revoke Add Task Retry

First | Previous | Next | Last

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

6.1.3 Disabling/enabling and deleting a user in FCIS through OIM

Open the Resource profile for the User (As described in earlier section)

Click on the link FLEXCUBE_UBS_GTC.

ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

- My Account
- My Resources
- Requests
- To-Do List
- Users
 - Create
 - Manage**
 - Organizations
 - User Groups
 - Access Policies
 - Resource Management
 - Deployment Management
 - Reports
 - Generic Technology Connector
 - Help

[User Detail](#) >> [Resource Profile](#)

User Name : [USER1](#)
 First Name : John
 Last Name : Doe

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

Resource Name	Status	Description	Request ID	Resource Form	Process Form	Enable	Disable	Revoke
FLEXCUBE_UBS_GTC	Provisioned	27			View Edit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Enable Disable Revoke

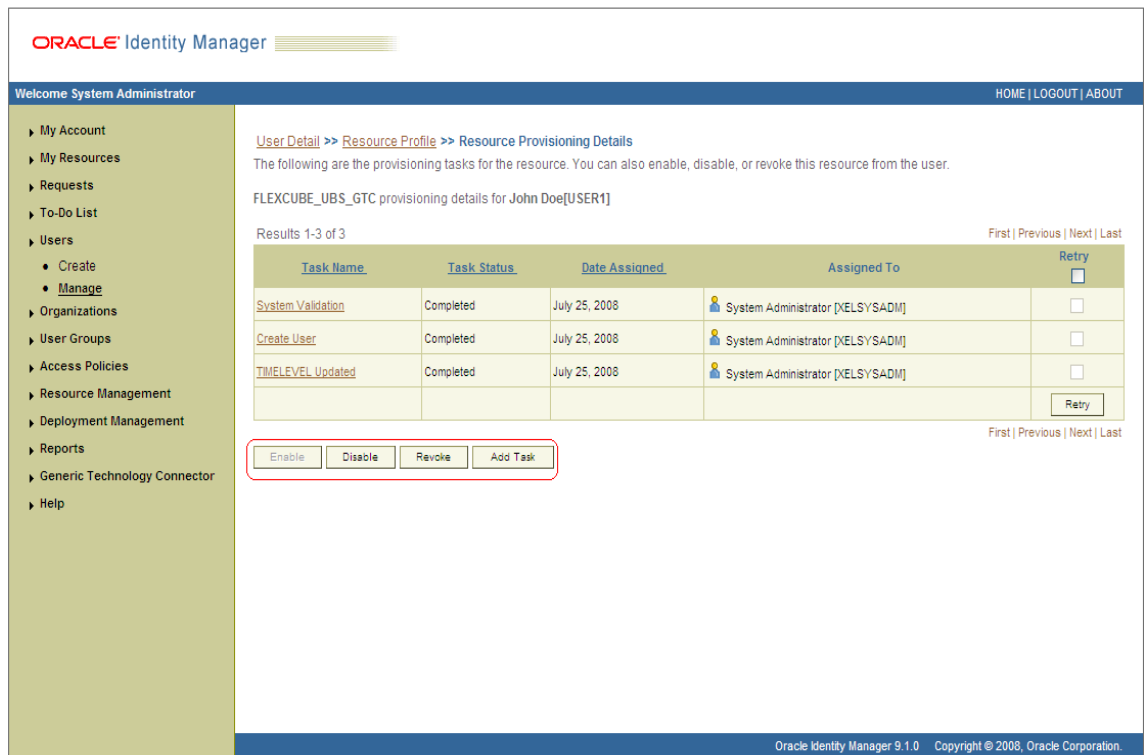
First | Previous | Next | Last

Provision New Resource

Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

The Resource provisioning details screen will get displayed

To disable/Enable or delete a user Click on Disable/Enable or Revoke button respectively.



ORACLE Identity Manager

Welcome System Administrator HOME | LOGOUT | ABOUT

My Account
My Resources
Requests
To-Do List
Users
• Create
• Manage
Organizations
User Groups
Access Policies
Resource Management
Deployment Management
Reports
Generic Technology Connector
Help

[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_UBS_GTC provisioning details for John Doe[USER1]

Results 1-3 of 3 First | Previous | Next | Last

Task Name	Task Status	Date Assigned	Assigned To	Retry
System Validation	Completed	July 25, 2008	System Administrator [XELSYSADMIN]	<input type="checkbox"/>
Create User	Completed	July 25, 2008	System Administrator [XELSYSADMIN]	<input type="checkbox"/>
TIMELEVEL_Updated	Completed	July 25, 2008	System Administrator [XELSYSADMIN]	<input type="checkbox"/>

First | Previous | Next | Last

Enable Disable Revoke Add Task

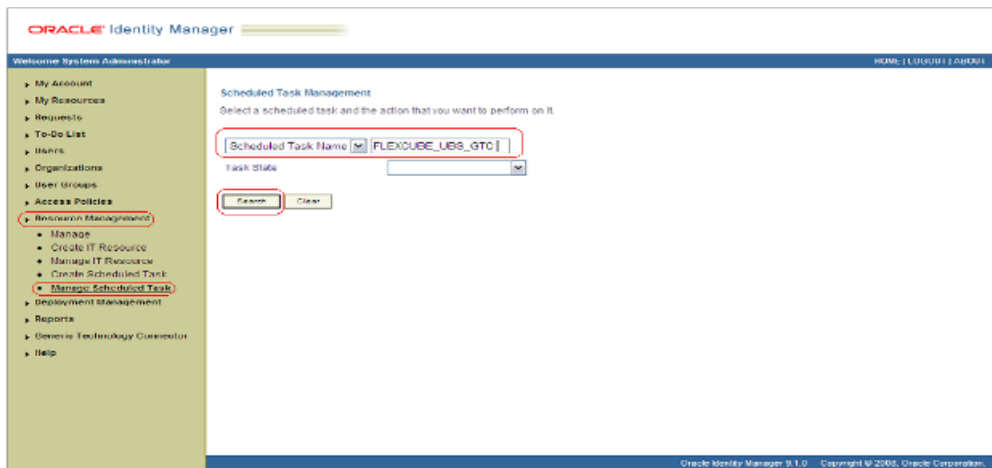
Oracle Identity Manager 9.1.0 Copyright © 2008, Oracle Corporation.

6.1.4 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.

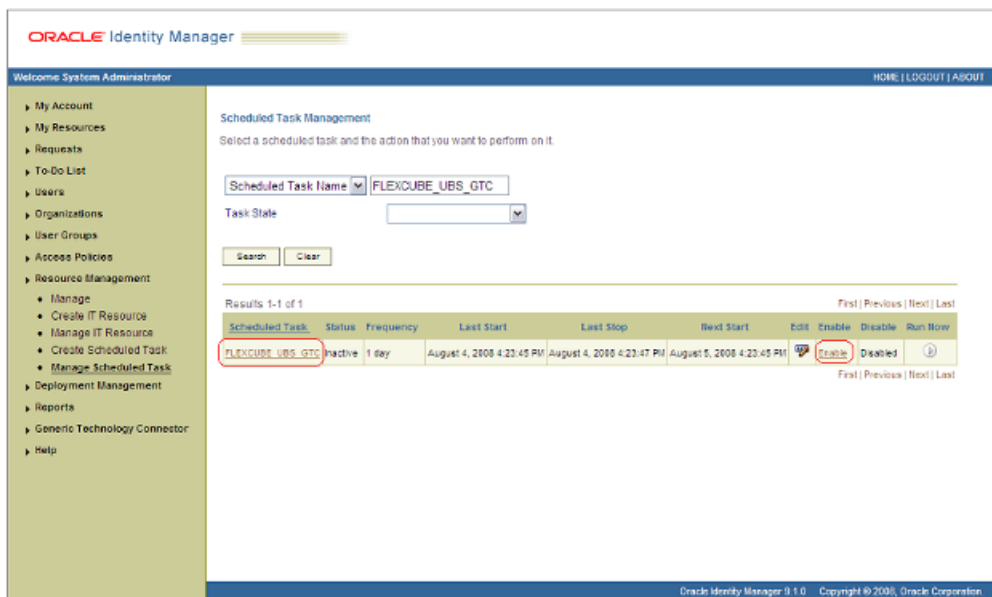
Navigate to the Resource Management>> Manage Schedule Task

Select Schedule Task Name from dropdown and enter FLEXCUBE_UBS_GTC and click on search



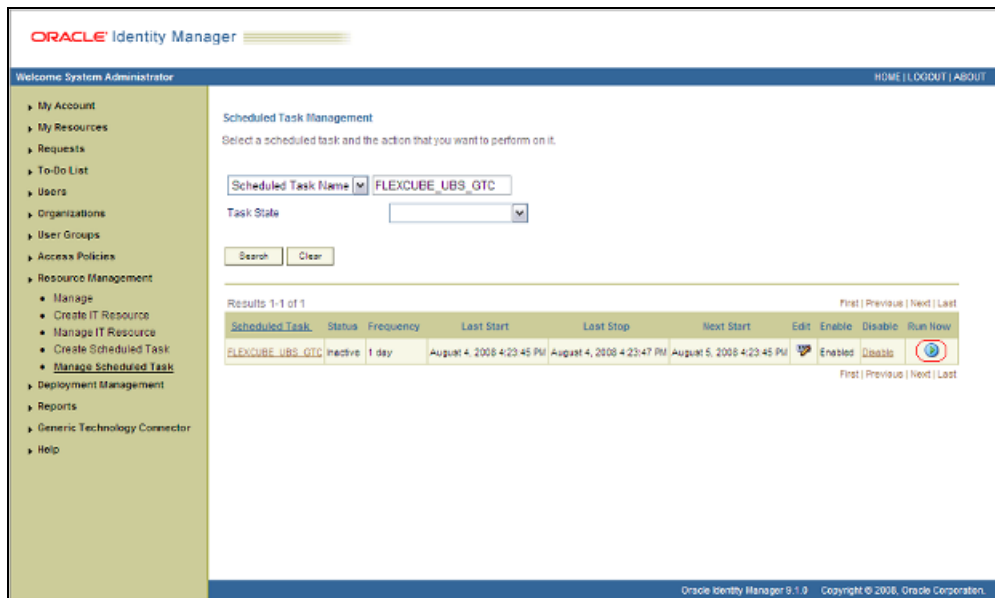
The following screen will get appeared

Click on Enable to make enable the task.



The following screen will get appeared

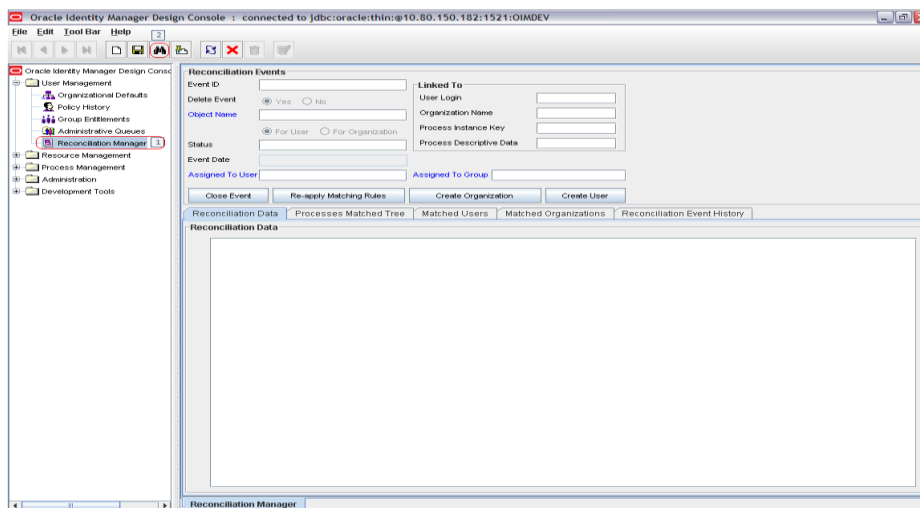
Click on Run now button to run the reconciliation.



To check the status of Reconciliation process

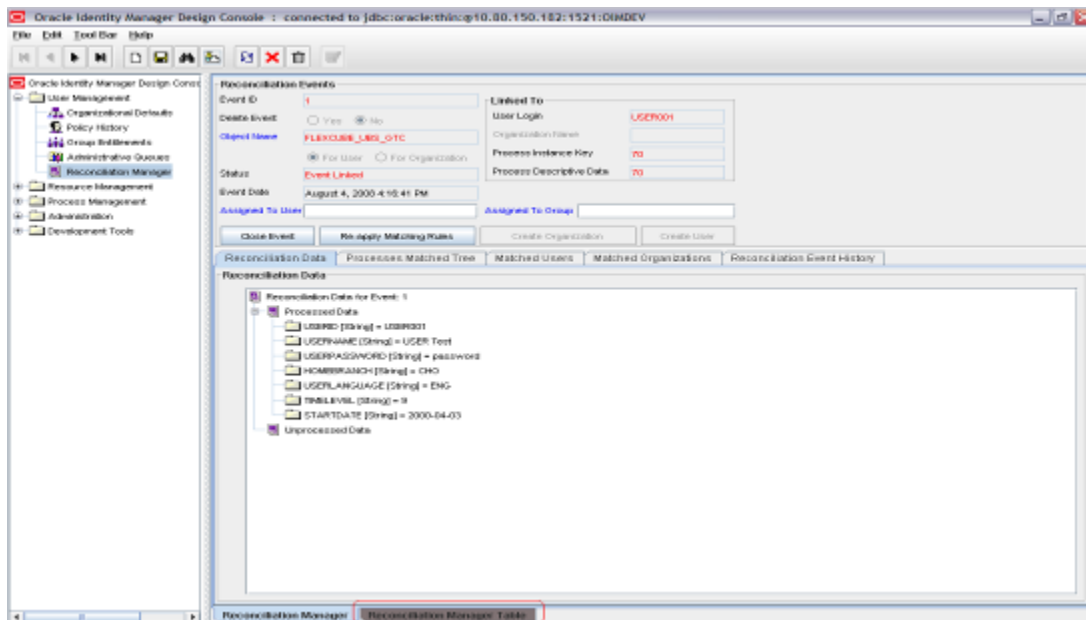
Open Design console. Navigate through the User Management >> Reconciliation Manager.

A blank form will get displayed. Click on Search icon.



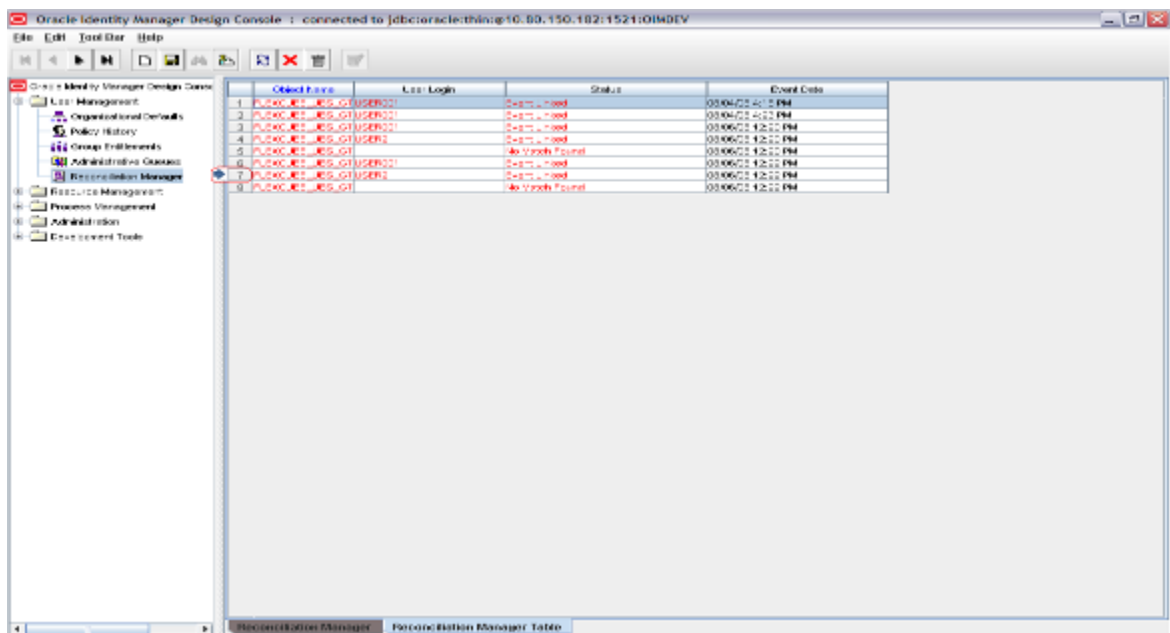
A screen will get displayed containing reconciliation event details for users those were got affected by the process.

Click on Reconciliation Manager table shown at the bottom.



This screen will have a table containing user wise reconciliation process details

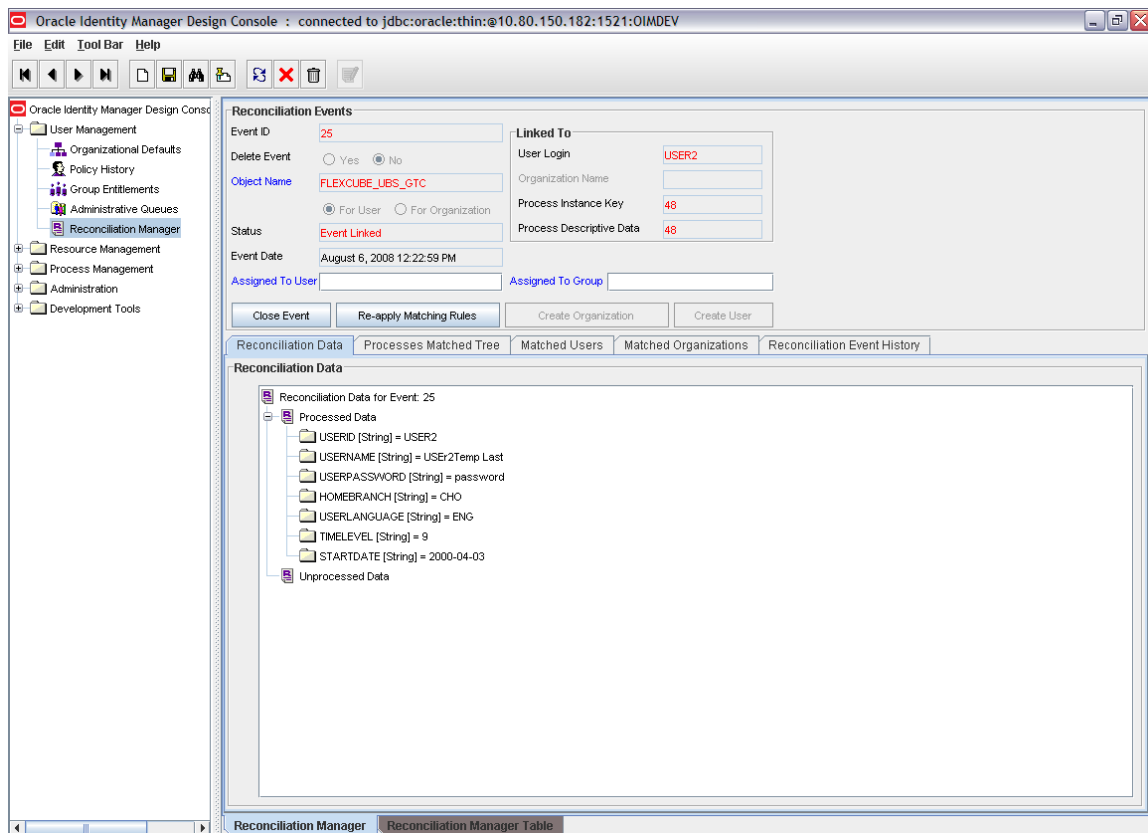
Click on the row number to get the full details of the specific user.



On the Event details screen

Check the Status: If it is "Event Linked" 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 status is “No Match Found” then it means the reconciliation process was not able to find a matching user.



If there is no record for the time when the last reconciliation has been run then it means process was not successful. Check the OIM logs for the details.

7. Reference

7.1 Reference

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

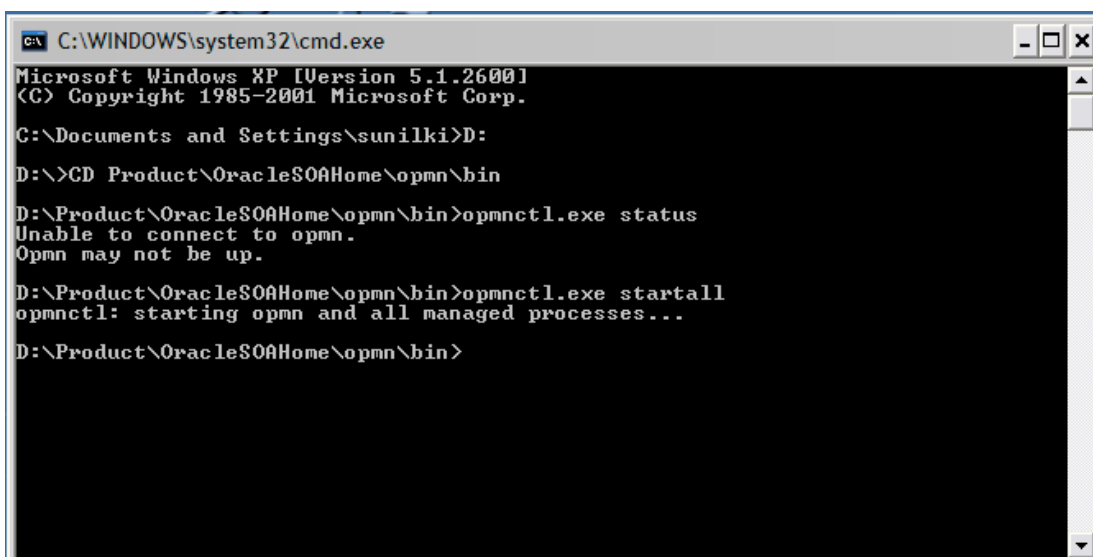
8.1 Data Source Creation

Start the application server

For Windows

Either from Start Menu>> Program>> <SOA Suite> >> Start SOA Suite in Windows or from command-prompt as follows:

- Open command-prompt and change directory to <Oracle Application Server Home>\opmn\bin on Windows
- Type opmnctl.exe startall



```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\sunilki>D:
D:\>CD Product\OracleSOAHome\opmn\bin
D:\Product\OracleSOAHome\opmn\bin>opmnctl.exe status
Unable to connect to opmn.
Opmn may not be up.
D:\Product\OracleSOAHome\opmn\bin>opmnctl.exe startall
opmnctl: starting opmn and all managed processes...
D:\Product\OracleSOAHome\opmn\bin>
```

For UNIX

Open a UNIX shell prompt and change directory to,

/home/<Oracle Application Server Home>/opmn/bin

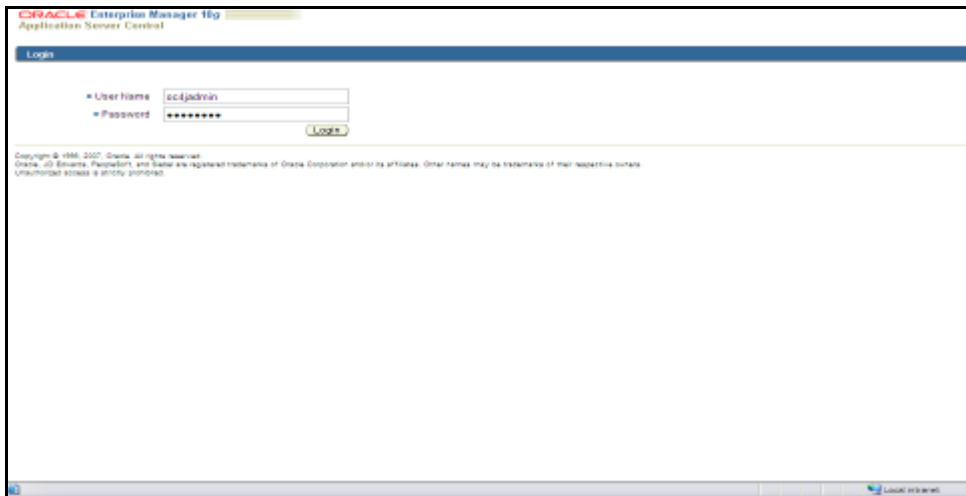
Type opmnctl.exe startall

Open the application server console in the browser by typing EM URL of oracle application server

<http://<hostname>:<port>/em/>

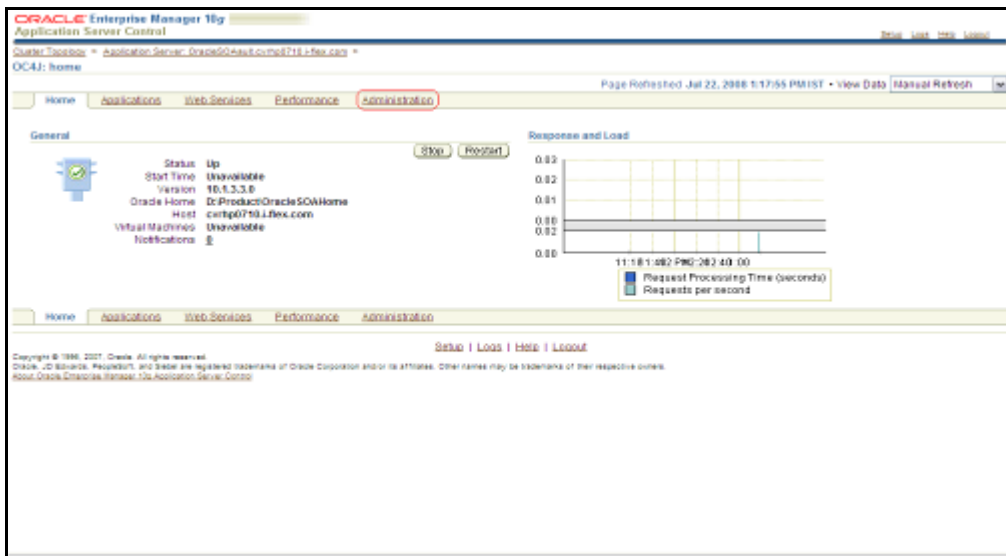
Login to Administrative Console

Enter OC4J administrator username/password and press **Login**.



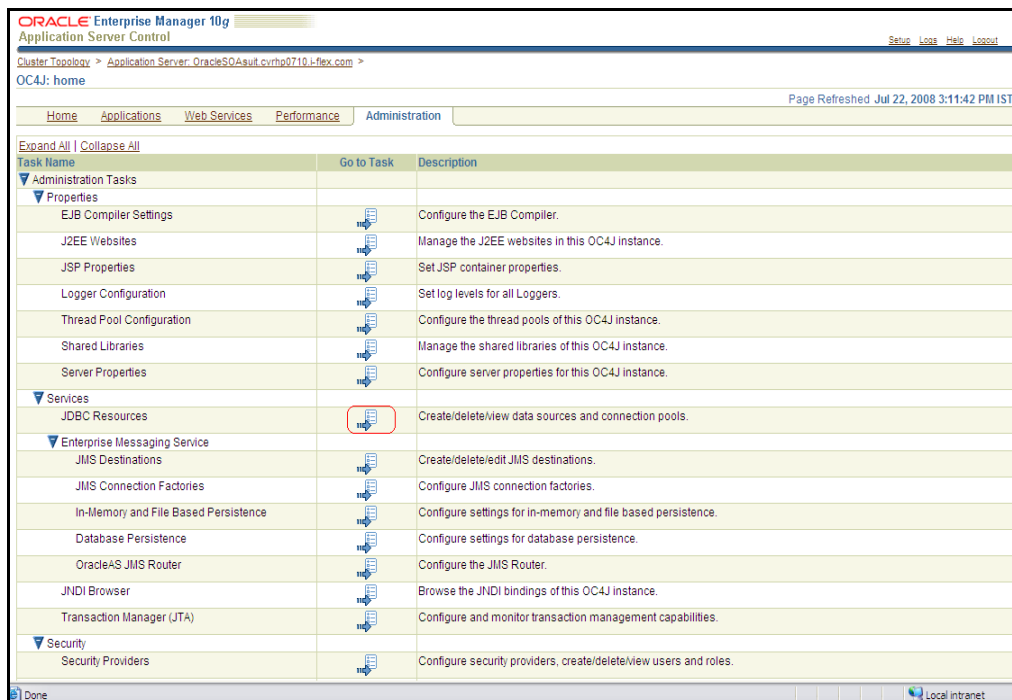
Click on home as shown in below screen:

Navigate to the “**Administration screen**” as shown below.

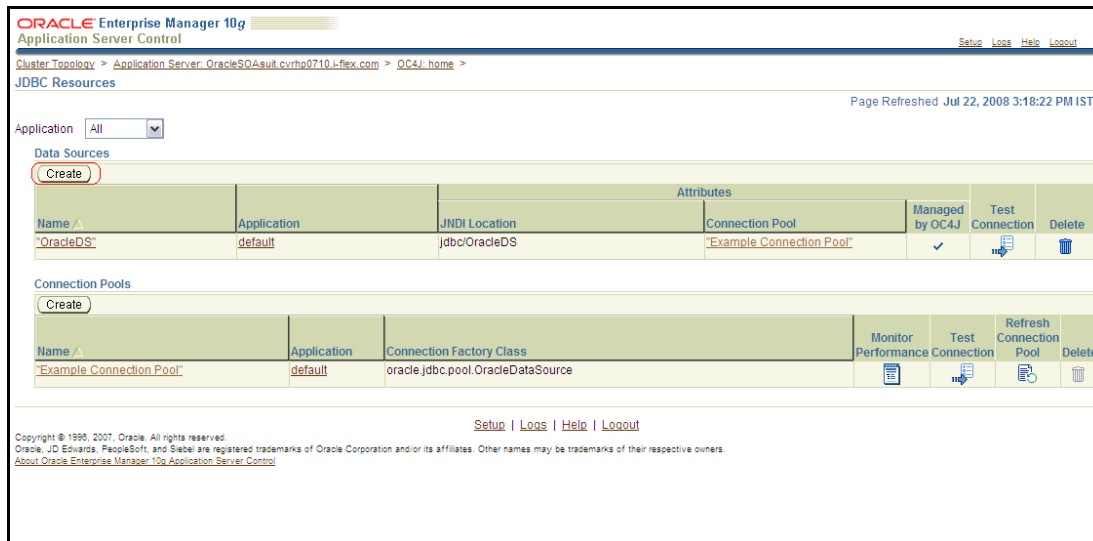


The following screen is displayed.

Go to “**JDBC Resources**” Task.



Click on “Create”.



We get the following screen.

Select default Application.

Select Native Data Source.

Click on “Continue”

ORACLE Enterprise Manager 10g
Application Server Control

Cluster Topology > Application Server: OracleSOAAsuit.cvrhp0710.i-flex.com > OC4J: home > JDBC Resources >

Create Data Source - Application & Type

Cancel Continue

Application
Select the application to which this new data source is to be added.

Application default

Data Source Type

☐ Managed Data Source
A managed data source is one where OC4J provides critical system infrastructure such as global transaction management, connection pooling, statement caching and error handling.

☒ Native Data Source
A native data source is one that implements the java.sql.DataSource interface and does not make use of OC4J's connection pooling or statement caching capabilities. A native data source can only participate in local transactions.

☐ New Data Source from Existing Data Source
Create a new data source that is configured like an existing data source.

Existing Data Source OracleDS

Cancel Continue

Setup | Logs | Help | Logout

Copyright © 1996, 2007, Oracle. All rights reserved.
Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
[About Oracle Enterprise Manager 10g Application Server Control](#)

We get the following screen.

Enter the Data Source Name

Enter the JNDI Location

Enter the JDBC URL

Enter the user name and password for Database connection.

Click Finish

ORACLE® Enterprise Manager 10g Application Server Control Setup Logs Help Logout

Cluster Topology > Application Server: OracleSOA suit.cvrhp0710.i-flex.com > OC4J: home > JDBC Resources >

Create Data Source - Native Data Source Cancel Back Finish

Application **default**

* Name

* JNDI Location

* Data Source Class
Class must be available to the application's class loader.

* Login Timeout (seconds)
Maximum time to wait while attempting to connect to a database.

URL
 You can either specify a URL directly or have it generated from connection information. When you test a connection, the data source class and credentials specified on this page will be used to perform the test.

☒ JDBC URL Test Connection

☐ Generate URL from Connection Information Test Connection

Driver Type

DB Host Name

DB Listener Port

DB Identifier Type

SID/Service Name

TNS Alias

Credentials

☒ TIP For OracleDataSources, credentials must be entered if not already specified in the URL.

Username

☒ Use Cleartext Password
 Password

☐ Use Indirect Password
 Indirect Password
example: Scott, customers/Scott

Properties
 Enter any properties that are required by the data source class.

Name	Value	Delete
(No properties found)		
Add Another Row		

Cancel Back **Finish**

Copyright © 1996, 2007, Oracle. All rights reserved.
 Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
[About Oracle Enterprise Manager 10g Application Server Control](#)

We get the following screen.

Data Source has been created.

ORACLE Enterprise Manager 10g
Application Server Control

Cluster Topology > Application Server: OracleSOASuit.cvrh0710.l-flex.com > OC4J: home >

Confirmation
Data Source OIMLOVDS has been created.

JDBC Resources

Page Refreshed Jul 22, 2008 3:32:32 PM IST

Application:

Data Sources

Create

Name	Application	JNDI Location	Connection Pool	Managed by OC4J	Test Connection	Delete
OIMLOVDS	default	OIMLOVDS				
OracleDS	default	jdbc/OracleDS	Example Connection Pool	✓		

Connection Pools

Create

Name	Application	Connection Factory Class	Monitor Performance	Test Connection	Refresh Connection Pool	Delete
Example Connection Pool	default	oracle.jdbc.pool.OracleDataSource				

Copyright © 1996, 2007, Oracle. All rights reserved.
Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
[About Oracle Enterprise Manager 10g Application Server Control](#)

Restart the application server

Follow the next [step 4](#) given in Environment setup.



Oracle Identity Manager Integration Implementation Guide
[April] [2014]
Version 12.0.3.0.0

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
www.oracle.com/financialservices/

Copyright © [2007], [2014], Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

