Oracle Identity Manager Integration Implementation Guide Oracle FLEXCUBE Universal Banking

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1. Introduction

For the purpose of centralized user provisioning FLEXCUBE is qualified with Oracle Identity Manager - Oracle® Fusion Middleware 11g Release 2 (11.1.2.3.0). This feature is available in FLEXCUBE since the release FCUBS V.UM 10.1.0.0.0.0.

1.1 <u>Scope</u>

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

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 FCUBS components required for the integration with OIM configuration in FCUBS and Oracle Identity Manager to enable centralized provisioning.

1.2 Introduction to Oracle Identity Manager

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

1.3 Advantage

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



2. Requirements / Problem Statement

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



3. Prerequisites

3.1 Software Required

Oracle® Fusion Middleware 11g Release 2 (11.1.2.3.0)

Refer Oracle Identity Manager Document for Installation and configuration of Oracle Identity Manager.

Oracle Identity a	nd Access Management (Configuration - Step 5 of 8 $- \times$					
OIM Server		GRACLE 11 ^g					
Welcome Components to Configure	O <u>I</u> M Administrator Password:	•••••					
A Database	<u>C</u> onfirm Password:	•••••					
WebLogic Admin Server OIM Server	OIM HTTP URL:	http://ofss220607.in.oracle.com:14000					
Configuration Summary	OIM External ErontEnd URL:						
Configuration Progress	KeyStore <u>P</u> assword:	•••••					
	Confirm KeyStore Password:	•••••					
	Enable OIM for Suite integration						
	Provide the keystore password. Valid passwords should be 6 to 30 characters long. Must begin with an alphabetic character and should include atleast one numeric value. Any of these special characters underscore (_), dollar (\$), tilde(~), at(@), hyphen(-), plus(+), colon(:), forward slash(/), curly braces({}), square brackets([]), and(&), question mark(?), dot(.), asterisk(*) or pound (#)						
Help	(< <u>Back</u> <u>N</u> ext > <u>Finish</u> Cancel					

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

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

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

Suite.

The path will be as follows :

<Oracle_Middleware>/<OIM_HOME>/connector/oid

For example:

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

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

The above directory <oid> has to be copied into

<Oracle_Middleware>/<OIM_HOME>/server/ConnectorDefaultDirectory



> Configuring Oracle Identity Manager Design Console

3.2 FLEXCUBE Component Required

FLEXCUBE Gateway EJB



4. System Description

4.1 About Oracle Identity Manager

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

4.1.1 Oracle Identity Manager System Components

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

Identity Administration

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

Provisioning

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

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

Audit and Reports

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

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

Reconciliation and Bulk Load

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

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



Common Services

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

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

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

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

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

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

Workflow and Request Management

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

The primary goal of a provisioning solution is to manage requests and provision resources. Request service provides an abstraction layer on the Business Process Execution Language (BPEL) 11g workflow engine. Functional components such as request, provisioning, and attestation interacts with the workflow engine for human approvals. Request service caters to the various functional components in Oracle Identity Manager by managing workflow instances and categories, and provides an abstraction layer on BPEL.

Infrastructure and Middleware Integration

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

Connector Framework

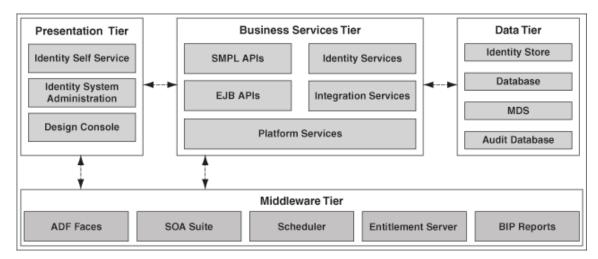
The integration solution strategy of Oracle Identity Manager provides connectors to various heterogeneous identity-aware IT systems. This strategy is designed to minimize custom development, maximize the reuse of code, and reduce deployment time. The tiers of the integration solution are:

Out-of-the box integration using predefined connectors and predefined generic technology connector providers



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

Following figure illustrates the system components of Oracle Identity Manager.



4.2 Integration / Design Architecture

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

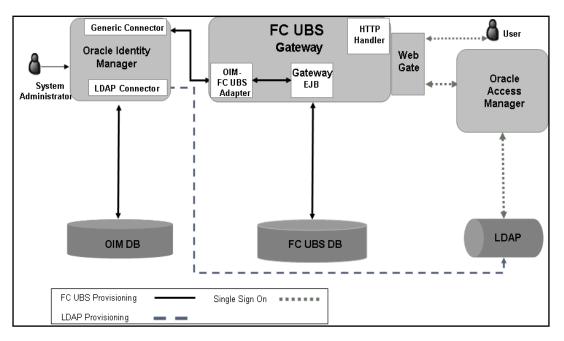
Design

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

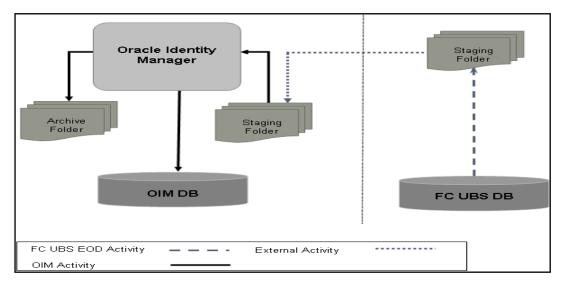
Following two figures illustrate the design aspect of the provisioning and reconciliation process:



4.2.1 Provisioning Design Architecture



4.2.2 Reconciliation Design Architecture



4.2.3 Design Constraints

The followings are the design constraints for this integration:

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



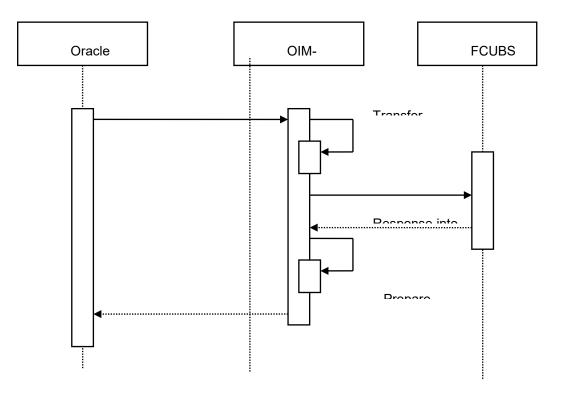
 OIM does not allow ASCII special characters e.g. ampersand, colon, braces etc. Apart from this, OIM also does not allow multiple consecutive occurrences of some of special ASCII character like underscore etc.

4.2.4 Message Flow

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

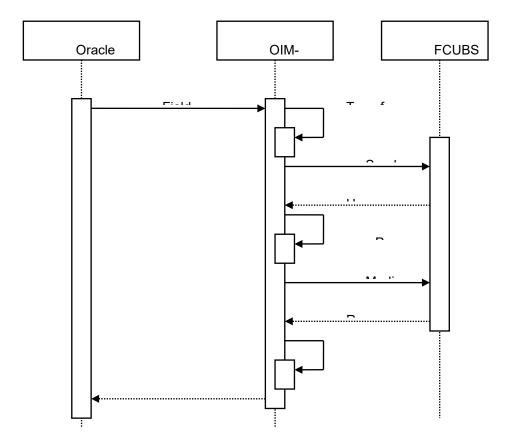
Following gives the sequence of the message exchanges between the adapter and FCUBS Gateway EJB for user provisioning that are initiated from OIM.

4.2.4.1 Message exchange sequence for User Creation



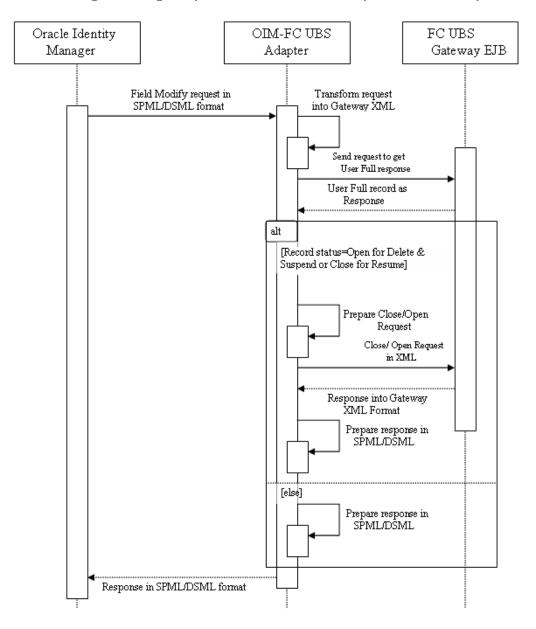


4.2.4.2 Message exchange sequence for User Field Modification/Set Password





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





5. Installation / Configuration

5.1 Environment Setup/Configurations

FLEXCUBE - OIM Integration environment setup requires

- OIM FLEXCUBE Adapter setup & configuration
- OIM setup

Note: This implementation document describes the installation and setup of OIM FLEXCUBE Adapter on Oracle Fusion Middleware 11g Release 2 (11.1.2.3.0).

5.1.1 Enabling SSL for Weblogic and OIM Server

5.1.1.1 Self-Signed Certificate Creation

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

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

5.1.1.1.1 Key Store Creation

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

For example:

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

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

5.1.1.1.2 Export Private key as Certificate

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

For example:

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

5.1.1.1.3 Import as Trusted Certificate

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



For example:

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

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

5.1.1.2 Configuring Weblogic Console

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

5.1.1.2.1 Select Admin Server to enable SSL options.

ORACLE WebLogic Server® Administration Console										
Change Center	🔒 Home Log Out Preferences 🔤 Reco	ord Help			Welcome,	weblogic Connected to: oim_domain				
View changes and restarts	w changes and restarts Home > Summary of Servers									
Configuration editor is enabled. Future changes will automatically be activated as you modify, add or delet lensin si this domain. Configuration Control										
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System Status										
Health of Running Servers Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)										

5.1.1.2.2 Follow the steps in General Tab as shown below:

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



	General	Cluster	Services	Keystores	SSL	Federation Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Services	
Domain Structure	General	Claster	Ser vices	ne ystores	0.00	r cacrador ber vices	Deployment	rigition	ranny	ovendud		berver blart	THE SETTICES	
iam_domain	Save	Save Use this page to configure general features of this server such as default network communications.												
Virtual Hosts Migratable Targets E Coherence Servers		View JNDT Tree @												
Coherence Clusters Machines	Name:					AdminSi	rver			An alphanumeric name for this server instance. More Info				
Work ManagersStartup and Shutdown ClassesDeployments	Machine:				(None)	(None)			The WebLogic Server host computer (machine) on which this server is meant to run. More ${\rm Info}_{\cdots}$					
How do I	Cluster:				(Standa	(Standalone)				er, or group of WebL More Info	ogic Server insta	nces, to which th	is server	
Configure default network connections Create and configure machines	近 Listen Address:									The IP address or DNS name this server uses to listen for incoming connections. More Info				
Configure dusters Start and stop servers Configure WLDF diagnostic volume	☑ Listen Port Enabled						Specifies whether this server can be reached throu (non-SSL) listen port. More Info						nrough the defau	It plain-text
System Status	Listen Port:				7001					It TCP port that this connections. More 1		sten for regular (i	non-SSL)	
Health of Running Servers Failed (0)	SSC LISCEN FOIL CI			Listen Port Enabled						Indicates whether the server can be reached through the default SSL listen port. More $\ensuremath{Info}\xspace\dots$				
Critical (0) Overloaded (0) Warning (0)	SSL Listen Port:				7002	7002				The TCP/IP port at which this server listens for SSL connection requests. More Info				
OK (3)	🕑 🏂 Client Cert Proxy Enabled								Specifies whether the HttpClusterServlet proxies the client certificate in a special header. More Info					
	Java Com	npiler:				javad					compiler to use for a Java code. More I		sted on this serve	er that need
	Diagnosti	c Volume:				Low	•			WebLogic does not a	the volume of diagno Server at run time. I affect explicitly confi ne volume of events	Note that the WL gured diagnostic	DF diagnostic vo modules. For exa	ume setting ample, this
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	Virtual Ma	achine Nam	ie:			iam_	iam_domain_AdminSe When WLS is running on IRVE, this specifies the name running this server More Info					e name of the vir	tual machine	
	🗹 街 We	ebLogic Plu	g-In Enat	oled						header, w	whether this server u hich is recommended	l if the server ins		

5.1.1.2.3 Follow the steps in Keystores Tab as shown below:

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

ORACLE WebLogic Server® A	Administration Co	onsole										õ	
Change Center	Home Log O	ut Preferences	Record Help		Q					Welcome, w	ablogic Conne	cted to: iam_domai	
View changes and restarts	Home >Summary	y of Servers >Ad	lminServer										
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for Ad	Settings for AdminServer											
modify, add or delete items in this domain.	Configuration Protocols Logging Debug Monitoring Control Deployments Services Security Notes												
Domain Structure	General Clus	ter Services	Keystores SSL	. Federation Servic	es Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Services		
iam_domain ▲ Cherwisonment Servers Ousters Virtual Hosts Migratable Targets ≘		ure the secure s	torage and managem message transmissior	ent of private keys an 15.	d trusted certifica	te authorities	s (CAs). This	s page lets y	ou view and define va	rious keystore c	onfigurations. Ti	hese settings help	
Coherence Serves Coherence Usters Machines Work Managers Startup and Shutdown Classes Deployments B)-Services Concrition	Keystores: Save Canc	xel Custo Custo Custo	om Identity and Cu	ommand Line Trus Istom Trust Iva Standard Trus					configuration rules sh eystores? More Info.		finding the serv	er's identity and	
How do I													
Configure identity and trust Configure keystores Set up SSL System Status													
Health of Running Servers													
Failed (0) Ortical (0) Overloaded (0) Warring (0) Oc (3)													
WebLogic Server Version: 10.3.5.0 Copyright © 1996,2010, Oracle and/or its affiliates. All r Oracle is a registered trademark of Oracle Corporation		ther names may l	be trademarks of their r	respective owners.									

5.1.1.2.4 Follow the steps in Keystores Tab as shown below:

4. Enter Custom Identity Keystore and Custom Trust Keystore as same as the Keystore Name created in step <u>5.1.1.1.1</u> with full path.



- 5. Enter Custom Identity Keystore Type and Custom Trust Keystore Type as jks.
- 6. Enter Custom Identity Keystore Passphrase, Confirm Custom Identity Keystore Passphrase, Custom Trust Keystore Passphrase and Confirm Custom Trust Keystore Passphrase as same as the Store Password entered in step <u>5.1.1.1.1</u>.

ORACLE WebLogic Server® Administration Console												
Change Center	🔒 Home Log Out Preferences 📐 Record Help	<u> </u>	Welcome, weblogic Connected to: iam_domain									
View changes and restarts	View changes and restarts Home >Summary of Servers >AdminServer											
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings for AdminServer Configuration Protocols Logging Debug Monitoring Control Deployments Services Security Notes											
Domain Structure	General Cluster Services Keystores SSL Federation	Services Deployment Migration Tuning Overload	Health Monitoring Server Start Web Services									
iam_domain Environment Servers Custers Wrbuil Hosts Migratable Targets Coherence Servers	Save Keystoresensure the secure storage and management of private k you to manage the security of message transmissions.	veys and trusted certificate authorities (CAe). This page lets yo	u view and define various keystore configurations. These settings help									
Coherence Clusters Machines Work Managers Startup and Shutdown Classes	Keystores: C	onfiguration rules should be used for finding the server's identity and ystores? More Info										
	Custom Identity Keystore:	nFlexcubeKeyStore.jks	5/oam1115/BaseKeyStore/AdminFlexcubeKeyStore.jks									
How do I	Custom Identity Keystore Type:	jks The typ	e of the keystore. Generally, this is JKS. More Info									
Configure identity and trust Configure keystores Set up SSL	Custom Identity Keystore Passphrase:	The encrypted custom identity keystore's passphrase. If empty or rull, then the keystore will be opened without a passphrase. More Info										
	Confirm Custom Identity Keystore Passphrase:	•••••										
System Status	— Trust	/scratch/app/fmw11	5/oam1115/BaseKeyStore/AdminFlexcubeKeyStore.jks									
Health of Running Servers Failed (0)	Custom Trust Keystore:		and the name of the custom of our keystone. More throws									
Critical (0) Overloaded (0)	Custom Trust Keystore Type:	jks The typ	e of the keystore. Generally, this is JKS. More Info									
Warning (0) OK (3)	Custom Trust Keystore Passphrase:	The custom trust keystore's passphrase. If empty or null, the will be opened without a passphrase. More Info										
	Confirm Custom Trust Keystore Passphrase:											
	Save											

7. Click on Save.

5.1.1.2.5 Follow the steps in SSL Tab as shown below:

- 1. Enter Private Key Alias as same as the alias name entered in step <u>5.1.1.1.1</u>.
- 2. Enter Private Key Passphrase and Confirm Private Key Passphrase as same as the Private Key Password entered in step <u>5.1.1.1.1</u>.
- 3. Change the Hostname Verification to None.
- 4. Use JSSE SSL option should be remain unchecked
- 5. Click on Save.



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View changes and restarts Home >Summary of Servers >AdminServer														
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omain Structure	General Clu	ster Services	Keystore	s SSL	Federation	Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Services	
n_domain Environment Servers Clusters Virtual Hosts	Save This page lets	Save This page lets you view and define various Secure Sockets Layer (SSL) settings for this server instance. These settings help you to manage the security of message transmissions.												
Migratable Targets Coherence Servers Coherence Clusters Machines	街 Identity a — Identity —	nd Trust Loca	tions:	Keyst	Keystores Change						Indicates where SSL should find the server's identity (certificate and private key) as well as the server's trust (trusted CAs). More Info			
Work Managers Startup and Shutdown Classes Deployments Services	Private Key L	ocation:		from	Custom Iden		The keystore attribute that defines the location of the private key file. More Info							
Security Realms	Private Key A	lias:		FlexcubeCert							store attribute that d er's private key. Mo		alias used to store and retrieve	
w do I Configure identity and trust Set up SSL	🏨 Private Ke	ey Passphrase	:							The keystore attribute that defines the passphrase used to retrieve the server's private key. More Info				
Verify host name verification is enabled Configure a custom host name verifier	街 Confirm P	rivate Key Pa	ssphrase:											
Configure two-way SSL	Certificate Lo	cation:		from	from Custom Identity Keystore					The keystore attribute that defines the location of the trusted certificate. More Info				
stem Status 🗉	— Trust —													
alth of Running Servers	Trusted Certi	ficate Authori	ies:	from	Custom Trus	t Keystore					store attribute that d es. More Info	lefines the location	on of the certificate	
Failed (0) Critical (0)	— 🗢 Advance	d b												
Overloaded (0) Warning (0) OK (2)	🚓 Hostname	Verification:			ne stom Hostr A Hostnam					Specifies whether to ignore the installed implementation of the weblogic.security.SSLHostnameVerifier interface (when this server is acting as a client to another application server). More Info				
	🥂 Custom H	ostname Veril	ier:	No	ne						e of the class that in		ace. More Info	
	Export Key Li	fespan:		500)					between	a domestic server a	nd an exportable	ver can use an exportable key e client before generating a new rver to be, the fewer times the	
											ild be used before g			

5.1.1.2.6 Select OIM Server & SOA Server to enable SSL options and Repeat the steps performed in 5.1.1.2.2 to 5.1.1.2.5.

ange Center	🔒 Home Log Out Preferences 🔤 Record	Help			Weld	come, weblogic Connected to: oim_dom					
ew changes and restarts	Home >Summary of Servers		_								
infiguration editing is enabled. Future	Summary of Servers										
anges will automatically be activated as you odify, add or delete items in this domain.	Configuration Control										
omain Structure	ĩ										
_domain _	A server is an instance of WebLogic Server that runs in its own Java Virtual Machine (XVM) and has its own configuration.										
Vironment This page summarizes each server that has been configured in the current WebLogic Server domain.											
Clusters	35										
Virtual Hosts Migratable Targets ==	22										
Coherence Servers	Customize this table										
Coherence Clusters	Servers (Filtered - More Columns Exist)										
Work Managers											
Startup and Shutdown Classes	New Clone Delete					Showing 1 to 3 of 3 Previous Next					
-Deployments -Services	🔲 Name 🗇	Cluster	Machine	State	Health	Listen Port					
-Security Realms	AdminServer(admin)			RUNNING	🖋 ок	7001					
w do I 🖂	oim_server1			RUNNING	✓ ок	24000					
Create Managed Servers	soa server1			RUNNING	✓ ок	8001					
Clone Servers	New Clone Delete					Showing 1 to 3 of 3 Previous Next					
Delete Managed Servers	New Cluie Delete					Showing 1 to 5 of 5 Previous Next					
Delete the Administration Server											
Start and stop servers											
stem Status 🖂	1										
alth of Running Servers											
Failed (0) Critical (0)											
Overloaded (0)											
Warning (0)											

5.1.1.2.7 Now the admin_server, oim_server and soa_server are SSL enabled. Restart all three servers.

5.1.2 Enabling SSL on GTC Connector Server

To have SSL enabled Provisioning Web Service in 5.1.5.23. We have to have a two way handshake between GTC Connector Server and the Application Server, where FCUBSProvisioningAdService web service deployed.



5.1.2.1 Export the KeyStore Certificate in 5.1.1.1.1

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

For Example:

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

5.1.2.2 Import the Certificate to Xellarate Key Store

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

For Example:

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

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

Oracle Identity ar	nd Access Management (Configuration - Step 5 of 8 🛛 _ 🗙				
OIM Server		GORACLE 118				
Welcome Components to Configure	O <u>I</u> M Administrator Password:	•••••				
Database	<u>C</u> onfirm Password:	•••••				
WebLogic Admin Server OIM Server	OIM HTTP URL:	http://ofss220607.in.oracle.com:14000				
Configuration Summary	OIM External <u>FrontEnd URL</u> :					
Configuration Progress	KeyStore <u>P</u> assword:	•••••				
-	Confirm KeyStore Password:	•••••				
	<u>E</u> nable OIM for Suite integration					
	Provide the keystore password. Valid passwords should be 6 to 30 characters long. Must begin with an alphabetic character and should include atleast one numeric value. Any of these special characters underscore (_), dollar (\$), tilde(~), at(@), hyphen(-), plus(+), colon(:), forward slash(/), curly braces({}), square brackets([]), and(&), question mark(?), dot(.), asterisk(*) or pound (#)					
Help	(< <u>Back</u> <u>N</u> ext > <u>Einish</u> Cancel				

5.1.2.3 Export Xellarate KeyStore Certificate

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

For Example:

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



5.1.2.4 Import the Xellarate Certificate to KeyStore Created in 5.1.1.1.1

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

For Example:

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

5.1.3 Configuring SSL Mode in Oracle Internet Directory

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

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

	anager 11g Fusion Middleware Cont	rol			Setup	o ✔ Help ✔ Log Out
📑 Farm 👻 🔒 Topology						
	☆ oid1 ⁽¹⁾				Logged in as web	blogic Host padsrini-pc
🛛 📴 Farm_base_domain	💽 Oracle Internet Directory 🕶				Page Refreshed Feb 15,	2013 4:35:59 PM IST 🗘
Application Deployments Deployments Deployment	Home					
🖃 🚞 Identity and Access	Monitoring >		Load		Security	
OAM	Control >	121	Total LDAP Connections	0	Failed Bind Operations	0
vid1	Logs >					
OIM OVd1		220	Operations Completed	2	Failed Super User Logins	0
Metadata Repositories	Port Usage	65	Operations in progress	0	Sucessful Super User Logins	0
E D Web Tier	Administration >					
_	Security >	Audit Policy				
	Directory Services Manager	Wallets			•	
	General Information					
	00	1			Server Response (ms)	
	40 20					
	0					
	8				•	
	6					
	4				Total Operations	
	2					
	0					
	20					
	15				CPU Utilization (%)	
	10				/Farm_base_domain/asi	.nst_1/oid1
	5					
	100				•	
	80					
	60 40				Memory Utilization (%) /Farm_base_domain/asi padsrini-pc	inst_1/oid1
	20				padsrini-pc	
	0 16:22 16:23 1	6:24 16:25 16:26 10	5:27 16:28 16:29 16:30	16:31 16:32 16:33 16:	:34 16:35 16:36	
	16:22 16:23 1 February 15 2013					
						Table View

Click on Create Self-Signed Wallet.

	lanager 11g Fusion Middleware Control	Setup → Help → Log Out
📑 Farm 👻 🔒 Topology		
I → Farm_base_domain Application Deployments	 <i>o</i> oid1	Logged in as weblogic (Host padsrini-pc Page Refreshed Feb 15, 2013 4:39:54 PM IST 하나
WebLogic Domain Jentity and Access OAM Elogial	Wallets A Wallet is a Keystore that stores X.509 certificates and private keys in industry-standard, PKCS #12 format. To create a wallet, click Create Wallet. To manage the contents of a vallet, select a wallet and click Manage.	e. To create a wallet with a self-signed certificate, click Create Self-Signed
OIM 🔁	😭 Create 💥 Delete 🎦 Create Self-Signed Wallet 🄄 Import 👚 Export 6d Manage	
ovd1	Name Auto-login	
Metadata Repositories Web Tier		
	Fetching Data	



Enter the Details as below & Click on OK.

	anager 11g Fusion M	iddleware Control	Setup 🗸 Help 🗸 Log Out							
📑 Farm 👻 🔒 Topology										
I -	🔂 oid1 🕡		Logged in as weblogic (Host padsrini-pc							
🛛 🕂 Farm_base_domain	💽 Orade Internet Di	rectory 👻	Page Refreshed Feb 15, 2013 4:40:45 PM IST 🖏							
Application Deployments										
🗉 🛅 WebLogic Domain	Wallets > Create Se	-								
Identity and Access	Create Self-Sig		OK Cancel							
OAM E OIM OV	A self signed wallet is not signed by a well known CA. A self-signed wallet is not recommended in a production environment. The wallet name should be unique for a given component. The wallet type can be auto-login or password protected. Passwords, if specified, have a minimum length of eight characters, and contain alphabetic characters combined with numeric or special characters. Auto-login wallet is an obfuscated form of PKCSF12 wallet that provided PK-based access to services and applications without requiring a password at runtime. Auto-login wallet don't need a password to modify, or delete the wallet. File system permissions provide the necessary security for Auto-login wallets.									
🗉 🚞 Metadata Repositories	Self-Signed Wallet	Details								
🗉 🚞 Web Tier										
	* Wallet Name	oidselfsigned								
		V Auto-login								
	Wallet Password									
	Confirm Password									
			a A							
	Add Self-Signed Ce									
	Add a self-signed cer	tificate that becomes part of the wall	et.							
	* Common Name	hostname.in.orade.com								
	Organizational Unit	OFSS								
	Organization	Orade								
	City	Chennai								
	State	TN								
	Country	India 💌								
	Key Size	2048 💌								

Click on Manage...

	nager 11g Fusion Middleware Control	Setup マ Help マ Log Out
👫 Farm 👻 🔒 Topology		
Farm_base_domain Farm_base_domain Pase_domain Deployments WebLogic Domain Didentity and Access OAM Oid	<pre></pre>	Logged in as weblogic (Host padsrini-pc Page Refreshed Feb 15, 2013 4:44:27 PM IST (2
	Wallets A Wallet is a Keystore that stores X.509 certificates and private keys in industry-standard, PKCS #12 format. T Wallet. To manage the contents of a wallet, select a wallet and click Manage.	
 OIM ovd1 Metadata Repositories 	Create Create Create Self-Signed Walet Mane Mane	6d Manage
🗷 🦳 Web Tier	pubering red	

Select the Trusted Certificate & Click on Export.

	anager 11g Fusion Middleware Control				Setu	p ় Help ↓ Log Out
Farm - 💦 Topology						
Farm_base_domain Application Deployments	<pre></pre>	Logged in as weblogic Host padsrini-pc Page Refreshed Feb 15, 2013 4:45:58 PM IST ひ				
 WebLogic Domain □ Identity and Access ○ OAM □ oid1 ○ OIM ○ ovd1 	Walets > Manage Certificates Manage Certificates: oldselfsigned To generate a certificate singing request (CSR), click "Add Certificate Request". After you create a CSR, send it to you certificate or trusted cert, click Import. You can only import the CA-signed certificate into the same wallet from which the same wallet Request Add Certificate Request Import Certificate Request Delete		ty and retur	n the signe	d certificate. To import	the CA signed
🗉 🫅 Metadata Repositories	Subject Name	Certificate Type	Status	Key Size	Start Date	Expiration Date
🗄 🚞 Web Tier	CN=padsrini-pc,OU=OFSS,O=Orade,L=Chennai,ST=TN,C=IN	Certificate Request		2048		
_	CN=padsrini-pc, OU=OFSS, O=Oracle, L=Chennai, ST=TN, C=IN	Certificate	Valid	2048	February 15, 2013	February 14, 2018
	OU=Class 3 Public Primary Certification Authority, O="VeriSign, Inc.", C=US	Trusted Certificate	Valid	1024	January 29, 1996	August 2, 2028
	CN=GTE CyberTrust Global Root, OU="GTE CyberTrust Solutions, Inc.", O=GTE Corporation, C=US	Trusted Certificate	Valid	1024	August 13, 1998	August 14, 2018
	CN=padsrini-pc, OU=OFSS, O=Oracle, L=Chennai, ST=TN, C=IN	Trusted Certificate	Valid	2048	February 15, 2013	February 14, 2018
	OU=Class 2 Public Primary Certification Authority, O="VeriSign, Inc.", C=US	Trusted Certificate	Valid	1024	January 29, 1996	August 2, 2028
	OU=Class 1 Public Primary Certification Authority, O="VeriSign, Inc.", C=US	Trusted Certificate	Valid	1024	January 29, 1996	January 8, 2020



Click Export Trusted Certificate and save the certificate file.

	anager 11g Fusion Middleware Control		Setu	ip ∓ Help ∓ Log Out
Farm - 🔒 Topology				
III ▼ IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	<pre> oid1 ④ E Orade Internet Directory ▼ </pre>			blogic Host padsrini-pc
Application Deployments WebLogic Domain Identity and Access OAM Didentity and Access OAM Oid of the other of the other of the other of the other other of the other	Wallets > Manage Certificates Manage Certificates: oidselfsign To generate a certificate signing request (certificate or trusted cert, click Import. Yo A Add Certificate Request	certificate. To import the CA signed		
Metadata Repositories Web Tier	Subject Name CN=padsrini-pc,OU=OFSS,O=Ora	location; or click Texport Trusted Certificate 'to export the certificate to a file. You may want to do this if another party wants to trust your certificate directly.	Start Date	Expiration Date
	CN=padorin-pc, OU=OFSS, 0=Or OU=Class 3-Public Primary Certific CN=OTE CyberTrust Cohola Root, 1 CN=padorin-pc, OU=OFSS, 0=Or OU=Class 3 Public Primary Certific OU=Class 3 Public Primary Certific	<pre></pre>	February 15, 2013 January 29, 1996 August 13, 1998 February 15, 2013 January 29, 1996 January 29, 1996	February 14, 2018 August 2, 2028 August 14, 2018 February 14, 2018 August 2, 2028 January 8, 2020
	5	Export Trusted Certificate Close]	

Click on Server Properties.

	nager 11g Fusion Middleware C	ontrol				Set	up 🗸 Help 👻 Log Out	
👫 Farm 👻 🔒 Topology								
∃ •	<pre>分 oid1 ₀</pre>					Logged in as we	eblogic Host padsrini-pc	
🗉 📲 Farm_base_domain	Cracle Internet Directory -					Page Refreshed Feb 15, 2013 4:45:58 PM IST 🗘		
🗉 🚞 Application Deployments	Home	<u></u>						
📧 🚞 WebLogic Domain	- Tome							
Identity and Access	Monitoring	signed						
OAM	Control		equest". After you create a CSR, send it to y		ty and return the	igned certificate. To impor	t the CA signed	
i oid1		 You can only import the CA-signed 	ed certificate into the same wallet from which	the CSR was generated.				
OIM	Logs	1						
🐼 ovd1		Import 😭 Export	🗙 Delete					
🗉 🚞 Metadata Repositories	Port Usage		1	Certificate Type	Status Key	ize Start Date	Expiration Date	
🗉 🚞 Web Tier	Administration	Server Properties		Certificate Request	204			
	Security	Shared Properties		Certificate	Valid 204	February 15, 2013	February 14, 2018	
	Directory Services Manager	>	.", C=US	Trusted Certificate	Valid 102	January 29, 1996	August 2, 2028	
		Replication Management	Inc.", O=GTE Corporation, C=US	Trusted Certificate	Valid 102	August 13, 1998	August 14, 2018	
	General Information	Tuning and Sizing		Trusted Certificate	Valid 204	February 15, 2013	February 14, 2018	
		Certification Authority, O="VeriSign, !		Trusted Certificate	Valid 102	January 29, 1996	August 2, 2028	
	OU=Class 1 Public Primary	Certification Authority, O="VeriSign, I	Inc.", C=US	Trusted Certificate	Valid 102	January 29, 1996	January 8, 2020	

Click on Change SSL Settings.

	anager 11g Fusion Middleware Control	Setup → Help → Log Out
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□ •	↔ oid1 ₀	Logged in as weblogic Host padsrini-pc
[4] Farm_base_domain	E Orade Internet Directory -	Page Refreshed Feb 15, 2013 4:54:17 PM IST Č2
Application Deployments		
🗉 🚞 WebLogic Domain	Server Properties	Apply Revert
Identity and Access	General Performance SASL Statistics Logging	
OAM		
OIM	Server Mode Read / Write 💌	
ovd1	* Maximum number of entries to be returned by a search 10000	
Metadata Repositories	* Maximum time allowed for a search to complete (sec) 3600	
🗉 🚞 Web Tier	Preserve Case of Required Attribute Name specified in Search Request	
	Anonymous Bind Disallow except for Read Access on the root DSE	
	* Maximum time allowed in a Transaction (sec) 0	
	* Maximum Number of Operations allowed in a Transaction 0	
	Port Numbers	
	Non-SSL Port 3060	
	SSL Port 3131	

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



	nager 11g Fusion Middleware Control	Setup ▾ Help ▾ Log Out
📑 Farm 👻 🔒 Topology		
∃ +	<pre>分 oid1 ₀</pre>	Logged in as weblogic Host padsrini-pc
🗉 📲 Farm_base_domain	😰 Orade Internet Directory 🕶	Page Refreshed Feb 15, 2013 4:55:50 PM IST 🗘
Application Deployments		
🗉 🚞 WebLogic Domain	() Information	
Identity and Access	All changes made in this page require a server restart to take effect.	
OAM E oid1	SSL Configuration 3	OK Cancel
OIM	Enable SSL	
💿 ovd1	Server Wallet Name oidselfsigned 🗸	
🗄 🛅 Metadata Repositories	oidselfsigned to trequired for no-auth mode but is needed in other modes.	
🗉 🚞 Web Tier	Advanced SSL securitys	
	Server SSL properties	
	SSL Authentication	
	SSL_RSA_WITH_RC4_128_MD5	
	Cipher Suite SSL_RSA_WITH_RG4_128_SHA	
	SSL_RSA_WITH_3DES_EDE_CBC_SHA	
	SSL_RSA_WITH_DES_CBC_SHA	
	TLS_RSA_WITH_AES_128_CBC_SHA	
	* SSL Protocol Version All	

Click on Apply.

	nager 11g Fusion Middleware Control	Setup → Help → Log Out
📑 Farm 👻 🔒 Topology		
∃ ▼	🗘 oid1 💿	Logged in as weblogic Host padsrini-pc
🛿 📑 Farm_base_domain	3 Orade Internet Directory -	Page Refreshed Feb 15, 2013 4:56:40 PM IST 🗘
Application Deployments		
WebLogic Domain	(1) Information	×
Identity and Access OAM	SSL configuration updated for /Farm_base_domain/asinst_1/oid1. Restart component for this change to be effective.	
e oid1		
OIM	Commentary Deservation	Apply Revert
ovd1	Server Properties	Apply Revert
🗉 🛅 Metadata Repositories	General Performance SASL Statistics Logging	
🗉 🚞 Web Tier	Server Mode Read / Write	
	* Maximum number of entries to be returned by a search 10000	
	* Maximum time allowed for a search to complete (sec) 3600	
	Preserve Case of Required Attribute Name specified in Search Request	
	Anonymous Bind Disallow except for Read Access on the root DSE	
	* Maximum time allowed in a Transaction (sec) 0	
	* Maximum Number of Operations allowed in a Transaction 0	
	Port Numbers	
	Non-SSL Port 3060	
	SSL Port 3131 WChange SSL Settings	

5.1.3.1 Import LDAP Server SSL Certificate into OIM Server

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

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

Restart Both OID & OIM Server.

5.1.4 OIM FLEXCUBE Adapter Setup

Prerequisite: Gateway EJB component

OIM FCUBS adapter consists of two web services:

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



OIM FCUBS adapter setup is all about deployment of these web services on Oracle Fusion Middleware 11g Release 2 (11.1.2.3.0).

5.1.4.1 Environment Setup

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

5.1.4.1.1 Copy following folders from the FCUBS Software Release area

- FCUBS Release Name>\ADAPTERS\OIM\FCUBSLOVAdService
- <FCUBS Release Name>\ADAPTERS\OIM\FCUBSProvisioningAdService
- <FCUBS Release Name>\ADAPTERS\OIM\setup

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

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

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

e.g.

For WINDOWS:

SPMLADAPTER_INSTALL_DIR=D:\

For UNIX:

SPMLADAPTER_INSTALL_DIR=/home/kernel/

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

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

[Refer Appendix 8.1 Data Source Creation]

5.1.4.1.3 Modify configuration files as below :

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

```
<resource-ref>

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

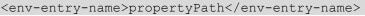
<res-type>javax.sql.DataSource</res-type>

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

</resource-ref>

<env-entry>

<description>Property File Path</description>
```





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

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

</env-entry>

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

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

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

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

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

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

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

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

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

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

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

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

```
<ejb-ref>
   <ejb-ref-name>GWEJB_GW_EJB_Bean</ejb-ref-name>
   <ejb-ref-type>Session</ejb-ref-type>
   <home>com.ofss.fcubs.gw.ejb.GWEJBRemoteHome</home>
```



```
<remote>com.ofss.fcubs.gw.ejb.GWEJBRemote</remote>
</ejb-ref>
<env-entry>
<description>Property File Path</description>
<env-entry-name>propertyPath</env-entry-name>
<env-entry-type>java.lang.String</env-entry-type>
<env-entry-value>D:/OIM/FCUBSProvisioningAdService/config/</env-
entry-value>
```

</env-entry>

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

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

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

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

Edit GW EJB JNDI NAME: Give the Gateway EJB JNDI name.

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

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

Following are the parts that make this URL:

t3s://HostName:PortNumber



Protocol Host Name Weblogic Port

Protocol: This should be t3s as in WebLogic application server.

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

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

Edit following section in the

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

<add key="MAKER_ID" value="OIMUSER9"/> <add key="HEAD_OFFICE" value="CHO"/> <add key="REQ_SOURCE" value="IDM"/> <add key="UBS_OR_IS" value="FCUBS"/> <add key="LOGGER_PATH" value="D:/OIM/FCUBSProvisioningAdService/config/adoim_logger.xml"/> <add key="FCUBS_SPML_ERROR_FILE" value="D:/OIM/FCUBSProvisioningAdService/config/ FCUBS_SPML_ERROR.properties"/> <add key="ADOIM_MSG_LOGGING_ENABLED" value="N"/> <add key="ADOIM_MSG_LOGGING_PATH" value="D:/OIM/FCUBSProvisioningAdService/log/"/>

Edit MAKER_ID: Give FCUBS user id that can serve as maker id for all OIM requests. Please ensure that this id should be a valid user in FCUBS 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 FCUBS.

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

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



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

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

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

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

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

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

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

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

Remark: GW_EJB_SECURITY_PRINCIPAL & GW_EJB_SECURITY_CREDENTIALS can be update using <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\setup\ChangePassword.bat or ChangePassword.sh

5.1.4.1.4 Building the Deployment Units for WINDOWS

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

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

5.1.4.1.4.2 Building FCUBSProvisioningAdService.ear

- Edit <SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\setup\WEBLOGIC\build.xml to set {server_home} and {JAVA_HOME} entry to Weblogic Server installed directory and JDK Installed directory.
 - Eg: D:\Middleware\wlserver_10.3

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

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



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

5.1.4.1.5 Building the Deployment Units for UNIX / Linux

5.1.4.1.5.1 Building FCUBSLOVAdService.ear

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

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

5.1.4.1.5.2 Building FCUBSProvisioningAdService.ear

Edit

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

Eg: home/Oracle/Middleware/wlserver_10.3

home/java/jdk1.7.0_51

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

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



5.1.4.2 Deployment

Deploy FCUBSLOVAdService

Login to Administrative Console

Enter Weblogic administrator username/password and press Login.

ORACLE WebLogic Server [®] 11g Administration Console	
WebLogic Server Version: 10.3.6.0 Copyright © 1995, 2011, Oracle and/or its affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.	

Click on Deployments as shown in below screen.

	Administration Console		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	٩	Welcome, weblogic Connected to: oim_domain
View changes and restarts	Home >Summary of Deployments		
Configuration editing is enabled. Future changes will automatically be activated as you	Home Page		
modify, add or delete items in this domain.	- Information and Resources		
Domain Structure	Helpful Tools	General Information	
oim_domain	 Configure applications 	 Common Administration Task Descriptions 	
Environment	 Configure GridLink for RAC Data Source 	 Read the documentation 	
Deployments	 Recent Task Status 	 Ask a question on My Oracle Support 	
Security Realms	 Set your console preferences 	 Orade Guardian Overview 	
Interoperability	 Oracle Enterprise Manager 		
⊞-Diagnostics	— Domain Configurations		
	Domain	Services	Interoperability
	Domain	Messaging	WTC Servers
		 JMS Servers 	Jolt Connection Pools
	Environment	 Store-and-Forward Agents 	
	Servers	 JMS Modules 	Diagnostics
How do I 🗉	Clusters	 Path Services 	Log Files
Search the configuration	Virtual Hosts	 Bridges 	Diagnostic Modules
Use the Change Center	Migratable Targets	Data Sources	Diagnostic Images
Record WLST Scripts	Coherence Servers	 Persistent Stores 	Request Performance
Change Console preferences	Coherence Clusters	 XML Registries 	Archives
Manage Console extensions	Machines	XML Entity Caches	Context
Monitor servers	Work Managers	 Foreign JNDI Providers 	SNMP
	 Startup And Shutdown Classes 	Work Contexts	
System Status		 jCOM 	Charts and Graphs
Health of Running Servers	Your Deployed Resources	 Mail Sessions 	 Monitoring Dashboard 6
Health of Running Servers	Deployments	 FileT3 	
Failed (0)		• JTA	
Critical (0)	Your Application's Security Settings		
Overloaded (0)	Security Realms		
Warning (0)			
OK (2)			
WebLogic Server Version: 10.3.6.0			
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Click on the Install as shown below.

hange Center	1	🟦 Home Log Out Preferences 🖾 Record Help							
iew changes and restarts		Home >Summary of Deployments							
onfiguration editing is enabled. Future hanges will automatically be activated as you			y of Deployments						
odify, add or delete items in this domain.		Contro	Monitoring						
omain Structure									
n_domain HEnvironment		This pa (redep	ge displays a list of Java EE applications and stand-alone application modules that have b loyed), or deleted from the domain by first selecting the application name and using the c	een installed to this ontrols on this page.	domain. Instal	led applications and modules ca	n be started, stopped, updated		
Deployments		To inst	all a new application or module for deployment to targets in this domain, click the Install b	utton.					
-Services Security Realms									
Interoperability		Custo	mize this table						
Diagnostics		Deploy	yments						
		Instal	Update Delete Start Stop Y			Show	ing 1 to 10 of 90 Previous Next		
			Name 🔅	State	Health	Туре	Deployment Order		
			ngadf.orade.businesseditor(1.0,11.1.1.2.0)	Active		Library	100		
ow do I 😑			Cadf.orade.domain(1.0,11.1.1.2.0)	Active		Library	100		
Install an Enterprise application Configure an Enterprise application			* adf.oracle.domain.webapp(1.0,11.1.1.2.0)	Active		Library	100		
Update (redeploy) an Enterprise application			₩ AqAdapter	Active	🖋 ок	Resource Adapter	324		
Start and stop a deployed Enterprise application			🗄 🗖 b2bui	Active	≪ок	Enterprise Application	313		
Monitor the modules of an Enterprise application			E Composer	Active	≪ок	Enterprise Application	315		
Deploy EJB modules Install a Web application				Active	≪ок	Resource Adapter	322		
ystem Status				Active	🖋 ок	Enterprise Application	314		
ealth of Running Servers			DMS Application (11.1.1.1.0)	Active	🖋 ок	Web Application	5		
			₩ EBem	Active	🖋 ок	Enterprise Application	400		
Failed (0)									
Failed (0) Critical (0) Overloaded (0)		Instal							

The following screen is displayed.

a. Click on upload your file(s)

	Administration Console	Q
Change Center	Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: oim_domain
View changes and restarts	Home >Summary of Deployments >Summary of JDBC Data Sources >Summary of Deployments	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Install Application Assistant Back Next Frinbh Cancel	
Domain Structure	Locate deployment to install and prepare for deployment	
om_domain # Brenvironment # Deployments # Brenvices # Massigning * Data Sources * -Persitent Stores * -Foreign JNDI Providers * *VMK Contexts * *VMK Expitities * */QCM # */QCM #	Select the file path that represents the application root directory, archive file, exploded archive directory, or application m the application directory or file in the Path field. Note: Only valid file paths are displayed below. If you cannot find your deployment file, upload your file(s) and or confir Path: //scratch/app/sso1123/wl1036/NMiddleware/user_projects/domains/oim_ Recently Used Paths: (none) Current Location: ofss220223.in.orade.com / scratch / app / sso1123 / wl1036 / NMiddleware / user_proc bin Config servers	m that your application contains the required deployment descriptors.
How do I	Garage Soa	
Start and stop a deployed Enterprise application Configure an Enterprise application Create a deployment plan	Back Next Finish Cancel	
Target an Enterprise application to a server Test the modules in an Enterprise application		
System Status		
Health of Running Servers		
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (2)		
WebLogic Server Version: 10.3.6.0 Copyright © 1996, 2011, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	Il rights reserved. n and/or its affiliates. Other names may be trademarks of their respective owners.	

Choose the enterprise archive file from the build path:

<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\build\

a. Click on Next



ORACLE WebLogic Server®	dministration Console	Q
Change Center	🔒 Home Log Out Preferences 🗁 Record Help	Welcome, weblogic Connected to: oim_domain
View changes and restarts	Home >Summary of Deployments >Summary of JDBC Data Sources >Summary of Deployments	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Install Application Assistant Back, Next, Frinkh, Cancel	
Domain Structure	Upload a Deployment to the admin server	
oim_domain	opidad a Depidyment to the admin server	
Environment Deployments Deservices	Click the Browse button below to select an application or module on the machine from which you are currently browsing. When you have loc deployment to the Administration Server.	ated the file, click the Next button to upload this
MessagingData SourcesPersistent Stores	Deployment Archive: dapters\OIM\FCUBSLOVAdService\build\FCUBSLOVAdService ar Browse	
Foreign JNDI ProvidersWork ContextsXML RegistriesXML Entity Caches	Upload a deployment plan (this step is optional) A deployment plan is a configuration which can supplement the descriptors included in the deployment archive. A deployment will work with deployment plan archive now. This deployment plan archive will be a directory of configuration information packaged as a juri fle. See relati	ut a deployment plan, but you can also upload a ed links for additional information about deployment plans.
Hold Editory Cooles Hold Sessions Hold Sessions Hold Sessions Hold Sessions	Deployment Plan Archive:	
How do I	Back Next Finish Cancel	
 Start and stop a deployed Enterprise application 		
Configure an Enterprise application		
Create a deployment plan		
Target an Enterprise application to a server Test the modules in an Enterprise application		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
ОК (2)		
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Select the enterprises archive file FCUBSLOVAdService.ear

a. Click on Next

	Administration Console		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record He	P	Welcome, weblogic Connected to: oim_domain
View changes and restarts Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.		IC Data Sources >Summary of Deployments loaded successfully to /scratch/app/sso1123/wl1036/NMiddleware/s	user_projects/domains/om_domain/servers/AdminServer/upload
Domain Structure om_domain Important Deployments Data Sources Imported Sources Imported Sources Imported Sources Imported Sources Imported Sources Import Sources Import Sources Import Sources Import Sources Import Sources Import Sources Work Contexts Import Sources Import So	the application directory or file in the Path field. Note: Only valid file paths are displayed below. Path: /scratch/a Recently Used Paths: (none)	on root directory, archive file, exploded archive directory, or applica If you cannot find your deployment files, upload your file(s) and/or pp/sso1123/w1036/NMiddleware/user_projects/domains	ation module descriptor that you want to install. You can also enter the path of confirm that your application contains the required deployment descriptors. Joinn_domain/servers/AdminServer/upload/FCUBSLOVAdSenice. ser_projects / domains / oim_domain / servers / AdminServer / upload
Copyright © 1996, 2011, Oracle and/or its affiliates. All	rights reserved. and/or its affiliates. Other names may be trademarks of t	eir respective owners.	

The following screen is displayed.

- a. Select Install this deployment as an application.
- b. Click on Next.



	Administration Console	Q						
Change Center	🔒 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: oim_domain						
View changes and restarts	Home >Summary of Deployments >Summary of JDBC Data Sources >Summary of Deployments							
Configuration editing is enabled. Future changes will automatically be activated as you	Install Application Assistant							
modify, add or delete items in this domain.	Back Next Finish Cancel							
Domain Structure	Choose targeting style							
oim_domain								
Environment Deployments	Targets are the servers, clusters, and virtual hosts on which this deployment will run. There are several ways you can target	an appication.						
🕀 -Services	Install this deployment as an application The application and its components will be targeted to the same locations. This is the most common usage.							
MessagingData Sources								
Persistent Stores Foreign JNDI Providers								
Work Contexts	Install this deployment as a library							
XML Registries	Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the	ne targets running their referencing applications.						
-jCOM								
Mail Sessions	Back Next Finish Cancel							
How do I								
 Start and stop a deployed Enterprise application 								
Configure an Enterprise application								
Create a deployment plan								
 Target an Enterprise application to a server Test the modules in an Enterprise application 								
rescure modules in an enterprise application								
System Status								
Health of Running Servers								
Failed (0)								
Critical (0)								
Overloaded (0)								
Warning (0)								
OK (2)								
WebLogic Server Version: 10.3.6.0								
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The following screen is displayed.

- a. Select the Application Server Instance in which the FCUBSLOVAdService needs to be deployed.
- b. Click on Next.

		Q
Change Center	😰 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: oim_domain
View changes and restarts	Home >Summary of Deployments >Summary of JDBC Data Sources >Summary of Deployments	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Install Application Assistant Back Next Frish Cancel	
Domain Structure	Select deployment targets Select the servers and/or dusters to which you want to deploy this application. (You can reconfigure deployment targets later).	
Environment Deployments ⊡-Services	Seect the servers analyer custers to which you want to deploy this application. (You can reconfigure deployment targets later). Available targets for FCUBSLOVAdService :	
B-Messaging Data Sources Persistent Stores Foreign JNDI Providers	Servers	
Work Contexts XML Registries XML Entity Caches	☐ AdminServer	
jCOM Mail Sessions File T3	soa_server1	
How do I • Start and stop a deployed Enterprise application	Back Net Finish Cancel	
Configure an Enterprise application		
Create a deployment plan		
 Target an Enterprise application to a server 		
 Test the modules in an Enterprise application 		
Surtam Statur		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
OK (2)		
WebLogic Server Version: 10.3.6.0		
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The following screen is displayed.

b. Click on Finish.

	Administration Console	Q					
Change Center	🕜 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: oim_domain					
View changes and restarts	Home >Summary of Deployments >Summary of JDBC Data Sources >Summary of Deployments						
Configuration editing is enabled. Future changes will automatically be activated as you	Install Application Assistant						
modify, add or delete items in this domain.	Back Next Finish Cancel						
Domain Structure	Optional Settings						
oim_domain							
-Environment	You can modify these settings or accept the defaults						
Deployments	- General						
⊖-Services	What do you want to name this deployment?						
MessagingData Sources							
Persistent Stores	Name: FCUBSLOVAdService						
Foreign JNDI Providers							
-Work Contexts	- Security						
XML Registries	What security model do you want to use with this application?						
XML Entity Caches	what seturity model do you want to doe what what dpp/red/unit						
јСОМ	DD Only: Use only roles and policies that are defined in the deployment descriptors.						
Mail Sessions	· · · · · · · · · · · · · · · · · · ·						
Fle T3							
How do I	Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment d	lescriptor.					
 Start and stop a deployed Enterprise application 	Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.						
Configure an Enterprise application							
Create a deployment plan	Advanced: Use a custom model that you have configured on the realm's configuration page.						
 Target an Enterprise application to a server 	Source accessibility						
Test the modules in an Enterprise application	How should the source files be made accessible?						
System Status	Use the defaults defined by the deployment's targets						
Health of Running Servers	Recommended selection.						
Failed (0)							
Critical (0)	Copy this application onto every target for me						
Overloaded (0)							
Warning (0)	During deployment, the files will be copied automatically to the managed servers to which the application is targeted.						
ОК (2)	I will make the deployment accessible from the following location						
	Location: /scratch/app/sso1123/wl1036/NMiddleware/user_projects						

Deploy FCUBSProvisioningAdService

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

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

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

The following screen is displayed.

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



ORACLE WebLogic Server®	Adm	inistra	ation Console						ç
Change Center	A Home Log Out Preferences 🔤 Record Help Welcome, weblogic Connected to: oim_				: oim_dom				
View changes and restarts	Home >Summary of Deployments >Summary of JDBC Data Sources >Summary of Deployments >GWEJ8 >Summary of Deployments >GWEJ8 >Summary of JDBC Data Sources >Summary of Deployments								
Configuration editing is enabled. Future	Su	Summary of Deployments							
changes will automatically be activated as you modify, add or delete items in this domain.	•	Control Monitoring							
Domain Structure									
oim_domain	This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated								
Environment	(redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.								
Deployments	To install a new application or module for deployment to targets in this domain, click the Install button.								
Services H-Messaging									
Data Sources		Custo	omize this table						
Persistent Stores									
Foreign JNDI Providers		Deplo	yments						
Work Contexts		Insta	Update Delete Start Y Stop Y				Showing	11 to 20 of 92 Prev	ous Next
XML Registries		_							
-jCOM			Name 🗇		State	Health	Турс	Deployment Ord	er
Mail Sessions							Sort table by Type		
File T3			uto emai		Active		Library	100	
How do I 😑			n the mas		Active		Library	100	
Install an Enterprise application Configure an Enterprise application			<pre>emcore</pre>		Active		Library	100	
Configure an Enterprise application Update (redeploy) an Enterprise application			FCUBSLOVAdService		A	🖋 ок	Enterprise Application	100	
 Start and stop a deployed Enterprise 		-	-0		Active	V UK	Enterprise Application	100	
application			FileAdapter		Active	🖋 ок	Resource Adapter	321	
 Monitor the modules of an Enterprise application 			■ FMW Welcome Page Application (11.1.0.)	0.0)	Active	🖋 ок	Enterprise Application	5	
Deploy EJB modules		<u> </u>							
Install a Web application					Active	🖋 ОК	Resource Adapter	325	
System Status			🖃 📑 GWEJB		Active	🖋 ок	Enterprise Application	100	
Health of Running Servers			🗆 Modules						
Failed (0)			GW_EJB_Bean.jar				EJB Module		
Critical (0)			🗆 EJBs						
Overloaded (0)		-	GWEJB_GW_EJB_Bean				E1B		
Warning (0)		H—							
OK (3)			Web Services						
			None to display						

Refer 5.1.4.2.1 to know more about the deployment steps.

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

<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSProvisioningAdService\build\

- 3. Select the enterprises archive file FCUBSProvisioningAdService.ear
- 4. Click on Finish.

	dministration Console	Q	
Change Center	🖀 Home Log Out Preferences 🖾 Record Help	to: oim_domain	
View changes and restarts	Home >Summary of Deployments >Summary of JDBC Data Sources >Summary of Deployments >GWEIB >Summary of Deployments >GWEIB >Summary of JDBC Data Sources >Summary of Deployments >GWEIB >Summary of Deployments >GWEIB >Summary of JDBC Data Sources >Summary of Deployments >GWEIB >Summary of Deployments >GWEIB >Summary of JDBC Data Sources >Summary of Deployments >GWEIB >Summary of Deployments >GWEIB >Summary of JDBC Data Sources >Summary of Deployments >GWEIB >Summary of Deployments >GWEIB >Summary of JDBC Data Sources >Summary of Deployments >GWEIB >Summary of Deployments >GWEIB >Summary of Deployments >GWEIB >Summary of JDBC Data Sources >Summary of Deployments >GWEIB >GWEIB >SUMMARY of Deployments >GWEIB >GWEIB >SUMMARY of Deployments >GWEIB >GWE	ployments	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Install Application Assistant Back Next Finish Cancel		
Domain Structure			
em_domain BT_mixroment Deforments BT_mixroment Deforments BT_mixroments	Optional Settings You can modify these settings or accept the defaults - General What do you want to name this deployment? Name: FCUBSProvisioningAdService - Security What security model do you want to use with this application? Image: D Only: Use only roles and policies that are defined in the deployment descriptors. Image: Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.		
Start and stop a deployed Enterprise application	Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.		
Configure an Enterprise application Create a deployment plan	Advanced: Use a custom model that you have configured on the realm's configuration page.		
Target an Enterprise application to a server	- Source accessibility		
Test the modules in an Enterprise application	How should the source files be made accessible?		
System Status	Use the defaults defined by the deployment's targets		
Health of Running Servers Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)	Recommended selection. Copy this application onto every target for me During deployment, the files will be copied automatically to the managed servers to which the application is targeted. I will make the deployment accessible from the following location		
	Location: /scratch/app/sso1123/wl1036/NMiddleware/user_projects		



5.1.5 Build GWEJB

To execute the FCUBS Installer for GWEJB build following folder/files should be created/copied at **\ADAPTERS\OIM\FCUBSGW** along with the compiled sources.

- MAIN (Blank folder)
- FCHome.ini (copy from OSDC sources, file will be present at parallel to ADAPTERS folder)

After this GWEJB ear can be build with the source location as **\ADAPTERS\OIM\FCUBSGW**. For GWEJB build kindly refer the doc **Gateway_EAR_Building.doc**.

Deploy the created GWEJB ear in OIM server.

5.1.6 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:

5.1.6.1 Copy following folders from the FCUBS Software Release area

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

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

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

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

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

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

</exec>

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

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

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

5.1.6.3 Building the Lookup Search Scheduled Task deployment units for UNIX

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



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

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

</exec>

• To execute the build file, type "ant" on the shell and press enter.

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

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

5.1.6.4 Deployment of Pre-population Adapters

Below Steps will be valid In case of different name used to create the form in 5.1.5.35

Change the directory to

<AdapterSource>/OIM/OIM-Config/PrePopulateAdapter

• Edit the plugin.xml and update the FlexcubeForm into the form name entered in 5.1.5.35

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

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

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

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

name="UserIDPrepopulateAdapter">

<metadata name="PrePopulationAdapater">

<value>FlexcubeForm::USERID</value>

</metadata>

</plugin>

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

name="UserNamePrepopulateAdapter">

<metadata name="PrePopulationAdapater">

<value>FlexcubeForm::USERNAME</value>

</metadata>

</plugin>

com.oracle.oim.utility.eventhandler.UserPasswordPrepopulateAdapter" version="1.0"

name="UserPasswordPrepopulateAdapter">

<metadata name="PrePopulationAdapater">

<value>FlexcubeForm::USERPASSWORD</value>



</th <th>m</th> <th>e</th> <th>ta</th> <th>da</th> <th>at</th> <th>а</th> <th>></th>	m	e	ta	da	at	а	>
---	---	---	----	----	----	---	---

</plugin>

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

name="EmailPrepopulateAdapter">

<metadata name="PrePopulationAdapater">

<value>FlexcubeForm::EMAIL</value>

</metadata>

</plugin>

<plugin pluginclass="com.oracle.oim.utility.eventhandler.LdapUserPrepopulateAdapter" version="1.0"</pre>

name="LdapUserPrepopulateAdapter">

<metadata name="PrePopulationAdapater">

<value>FlexcubeForm::LDAPUSR</value>

</metadata>

</plugin>

com.oracle.oim.utility.eventhandler.StartDatePrepopulateAdapter" version="1.0"

name="StartDatePrepopulateAdapter">

<metadata name="PrePopulationAdapater">

<value>FlexcubeForm::STARTDATE</value>

</metadata>

</plugin>

</plugins>

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

<plugin pluginclass="com.oracle.oim.utility.eventhandler.UserPasswordPreProcessHandler" version="1.0"</pre>

name="UserPasswordPreProcessHandler"></plugin>

</plugins>

</oimplugins>

Change the directory to

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

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

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

 Copy the <AdapterSource>/OIM/OIM-Config/PrePopulateAdapter/build/prepopulateadapter.zip into <OIM_SERVER_INSTALL_DIR>/server/plugins/



٠	<oim_server_install_dir>/server/plugin_utility/ant.properties should be changed from</oim_server_install_dir>

	## The installation directory for WLS or WAS

	#wls.home=@wls_home
	#was.home=@was_home

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

	#oim.home@oim_home

	#login file name with path for WAS or WLS

	#login.config=\${oim.home}/config/authwl.conf
	#login.config=\${oim.home}/config/authws.conf
	######################################
	# Represents the directory where Oracle Fusion Middleware is installed.
	#######################################
	#mw.home=@mw_home
То	



#login file name with path for WAS or WLS

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

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

Represents the directory where Oracle Fusion Middleware is installed.

mw.home=<Installation_DIR>/Middleware

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

<OIM_SERVER_INSTALL_DIR>/server/plugins/prepopulateadapter.zip

Result will be displayed like

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

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

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

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

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

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

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

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

wls_servername=@servername

application_name=@appname

metadata_from_loc=@metadata_from_loc

to

wls_servername=oim_server1

application_name=OIMMetadata



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

5.1.6.5 Create folders for Reconciliation

- For reconciliation, there should be different folder for staging files (yet to be reconciled) and for processed files (after reconciliation). These folders can be anywhere that OIM should 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

5.1.6.6 Importing Configuration Files

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

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

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

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

Login to Administrative Console

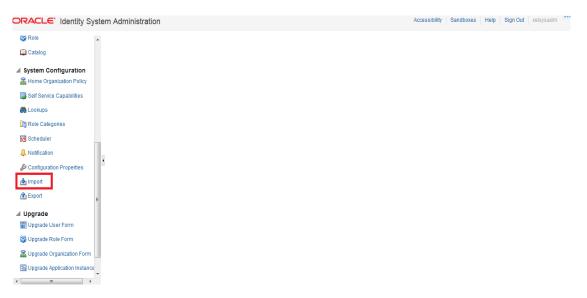
pyright © 2001, 2015, Oracle and/or its affiliates. All rights reserved

Enter OIM administrator username/password and press Sign In.

ORACLE Identity System Administration			Accessibility	Help	About Oracle	
	Sign In					
		Sign in with your account				
		User ID				
		xelsysadm				
		Password				
		Sign In				



Click on Import option under System Configuration.



The following screen will get displayed with Add File option.

- a. Select Lookup.xml file from the folder <SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\Screens-Config.
- b. Click on Open.

			Deployment Mana	ager - Impo	ort		
Click Add File to add more files.							
Show Information Reset	Legend						
Summary	•	Current Selections				011	ects Removed From Import
Import Files	•	Current Selections				Ubje	ects Removed From Import
🚸 Add		🛃 Select a file fo	r import.		×)	
Substitutions	•						
🚸 Add		Look in:		G 🤌 📂 🛄 🗸			
IT Resources	•	(Area)	Name	Date modified	Туре		
💠 Add		S	🕋 Lookup.xml	4/13/2016 3:51 PM	XML Docu		
New Roles	•	Recent Places					
			< "" He name: Lookup xml Files (*.*)	• •	P Open Cancel	Mie	sing Dependencies To Create

We will get File preview screen

a. Click on Add file.



Deployment Manager - Import

Click Add File to add more files.			
Show Information Reset	Legend		
Summary	•	Current Selections	Objects Removed From Import
Import Files	•	Current Selections	objects Removed From Import
💠 Add		O Deployment Manager	
Substitutions	•		
💠 Add			
IT Resources	•	File Preview	
💠 Add			
New Roles	•	FlexcubeLookup	
◆ Add		File Name: Lookup.sml Exported By: XELSYSADM Export Date: August 20, 2914 2:55:44 PM Export Date: August 20, 2914 2:55:44 PM Export Utility Version: 2.02.11 Export Date: August 20, 2914 2:55:421.07 acide11gSSO Cancel «< Back Add File Add File Import	Missing Dependencies To Create

Click on Add File

Deployment Manager - Import

Click Add File to add m	iore files.			
Show Information	Reset	Legend		
Summary All: 3 ÆLookup: 3		•	Current Selections Cookup.FLEX.TimeLevel Cookup.FLEX.BranchCode Cookup.FLEX.UserLanguage Cookup	Objects Removed From Import
Import Files Lookup.xml + Add		•	•	
Substitutions Add		•		
IT Resources Add		•		
New Roles		•		Missing Dependencies To Create
			Add File Import	

Select SchTask.xml file from the folder

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

a. Click on Open.



Deployment Manager - Import

Click Add File to add more files.						
Show Information Reset Lege	end					
Summary 🔻	Current Selection					Objects Removed From Import
Alt 3		INS EL EY Timel evel 🕯				Objects Removed From Import
🔎 Lookup: 3	- 🔎 Lookur	💰 Select a file fo	r import.		×	
Import Files 🔹	🔎 🔎 Lookur	Look in:		G 🤌 📂 🛄		
Lookup.xml		(Inc.)	Name	Date modified	Туре	
🚸 Add		<u></u>	SchTask.xml	4/13/2016 3:51 PM	XML Doci	
Substitutions 🔻		Recent Places				
💠 Add						
IT Resources 🔻						
💠 Add		Desktop				
New Roles 🔹 🔻		<u>~</u>				Missing Dependencies To Create
💠 Add						
		Libraries				
		Computer				
		Network	٠ III		•	
			File name: Sch Task xml	-	Open	
			Files of type: All Files (*.*)	•	Cancel	
			The set of		Cunod	
	Add File	Incore				
	Add File	Import				

We will get File preview screen

a. Click on Add file.

Deployment Manager - Import					
Click Add File to add more files.					
Show Information Reset	Legend				
Summary	•	rent Selections			
Alt 3		Fint Selections	Objects Removed From Import — Discolation Description		
🔎 Lookup: 3		F Lookup.FLEX.BranchCode 🔊	- Strang SchTask		
		🔑 Lookup.FLEX.UserLanguage 🔊	FLEX_UsrLang_SchTask		
Import Files	*				
Lookup.xml		O Deployment Manager	ookup.FCUBS.UserLanguage 🔊		
💠 Add			FLEX_BranchCode_SchTask		
Substitutions	•		E FLEX_BranchCode_SchTask		
💠 Add		File Preview	- · ·		
IT Resources	•				
+ Add		FlexcubeScheduledTasks			
New Roles	•	File Name: SchTask.xml	Dependencies To Create		
Add		Exported By: XELSYSADM	Dependencies To Create		
		Export Date: August 20, 2014 2:53:53 PM			
		Export Utility Version: 2.0.2.1			
		Exported From: jdbc:oracle:thin:@ofss220246:1521/Oracle11gSSO			
		Cancel << Back Add File			



Click on Import.

	Deployment Manager - I	mport
k Add File to add more files.		
how Information Reset Legend		
Alt 7 Job 2 Cookup 3 Scheduled Task 2 Import Files Schtrask.cml Lookup.cml	Current Selections Curren	Objects Removed From Import
Add Substitutions ▼ Add IT Resources ▼ Add		Missing Dependencies To Create
New Roles V Add		
	Add File Import	

Above will prompt for Import Confirmation

a. Click on Import to start import.

Click Add File to add more files.
Show Information Reset Legend
Summary At 7 At 7 Concerning Selections At 7 Concerning Selections Concerning Selections Concerning Selections Max 1 Concerning Selections Max 1 Concerning Selections Add. Resources Add. Resources Add. Rev Roles Add. Rev Roles



On successful import following screen will come.

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

Deployment Manager - Import						
Click Add File to add more files.						
Show Information Reset Legend						
Summary ▼ Alt 7 Jodx 2 Jodx 2 Jodx 2 Lockup: 3 Status Schreduled Test: 2 Schreduled Test: 2 Import Files ▼ Schreduled Test: 2 Add Substitutions ▼ ◆ Add IT Resources ▼ Add Hew Roles ▼	Current Selections	Import successful d attributes for a clustered configuration, then restart all nodes of the cluster.	Objects Removed From Import			
	Add File Import					

The following screen will get displayed.

a. Click on Add File.

Click Add File to add more files.			
Show Information Reset	Legend		
Summary	•	Current Selections	abilities and the second second
Import Files	•	Current Selections	Objects Removed From Import
💠 Add			
Substitutions	•		
💠 Add			
IT Resources			
💠 Add			
New Roles	•		
🜩 Add			
			Missing Dependencies To Create
			moonly bependencies to create
		Add File Import	



Open file window will get appeared.

- b. Select GTC.xml file from the folder <SPMLADAPTER_INSTALL_DIR>\OIM\OIM-Config\GTC-Config\.
- c. Click on Open.

		Deployment M	anager - Import	
Click Add File to add more files.				
Show Information Reset Legend				
Summary 🔻				
Import Files 🔻	Current Selections			Objects Removed From Import
💠 Add	Select a file fo	import.		
Substitutions 🔻				
Add	Look in:) GTC-Config	👻 🥝 🤣 📂 🎞 🗸	
IT Resources 🔻		Name	Date modified Type	
Add	S.	GTC.xml	4/13/2016 3:51 PM XML Docu	
New Roles 🔻	Recent Places	(
💠 Add				
	Desktop			
				Missing Dependencies To Create
	Libraries			
	Computer			
		•	•	
	Network	File name: GTC xml	- Open	
		Files of type: All Files (*.*)	Cancel	
		_		
	Add File Import			

We will get File preview screen

d. Click on Add file.

Click Add File to add m	nore files.			
Show Information	Reset L	egend		
Summary		•		
Import Files		•	Current Selections	Objects Removed From Import
💠 Add			Deployment Manager	ส
Substitutions		•		-
🚸 Add				
IT Resources		•	File Proview	
💠 Add				
New Roles		•	Flexcube	
💠 Add			File Name: GTC.xml	
			Exported By: XELSYSADM	
			Export Date: August 20, 2014 6:35:17 PM	
			Export Utility Version: 2.0.2.1	Missing Dependencies To Create
			Exported From: jdbc:oraclethin:@ofss220246:1521/0racle11gSS0	Missing Dependencies To Create
			Experted From Junction actenting of assessment for the formation ingoing	
			Cancel << Back Add File	
				1
			Add File Import	



Next screen will be the substitution screen.

- e. If the GTC is imported first time then click on Next.
- f. If GTC have been already imported once successfully, change the Version name for example UD_FLEXCUBE Version = FLEXCUBE V2.
- g. Click on Next.

			D	eployment Manage	r - Import		
Click Add File to add more files	i.						
Show Information Rese	t Legend						
Summary	•	Current Selections					Objects Removed From Import
Import Files	•	Current Selections					Objects Removed From Import
💠 Add		0	Deployment Manager - Imp	ort		×	
Substitutions							
💠 Add							
IT Resources	•		Substitutions				
💠 Add			Provide the substitutio	ns for the users/groups (Optional).			
New Roles	•						
💠 Add			Туре	Current Name	New Name		
			Role	SYSTEM ADMINISTRATORS			
			User UD_FLEXCUBE Version	XELSYSADM	JC2		
			Role	2 SELF OPERATORS	504		Missing Dependencies To Create
			Role	ALL USERS			
			NUE	ALL USERS			
			Cancel Substitutio	n	Next]	
		Add File	Import				

Above will prompt for substitution Confirmation

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

Deployment	Manager - Import	
------------	------------------	--

Click Add File to add m	ore files.							
Show Information	Reset	Legend						
Summary		•	Current Selections					Objects Removed From Import
Import Files		•	Current Selections					Objects Removed From import
🜩 Add				Confirmation			×	
Substitutions		•		_				
🜩 Add							_	
IT Resources		•		Confirmation				
🜩 Add				Are you sure you war	nt to make the following substitutions?			
New Roles		•						
🜩 Add				Туре	Current Name	New Name		
				UD_FLEXCUBE Version	4	JC2		
								Missing Dependencies To Create
							_	
				Cancel Substitu	< I	Back Next		
			Add File	Import				
				·				



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

- i. Ensure that the green arrow should point to FLEXCUBE_GTC.
- j. Provide followings to the right hand table:

Parameter Name	Parameter Value
SPML_targetID	FLEXCUBE
SharedDrive_filePrefix	SMOIMHOFF
SharedDrive_stageDirParent	Full path of the staging folder created in step 4 of OIM setup Eg: /home/Oracle/Oracle/Middleware/FCUBS-OIM- Config/Staging
Webservices_webserviceURL	Provisioning web service FCUBSProvisioningAdService URL deployed in step .Typically it should be like https:// <hostname>:<port>/FCUBSProvisioningAdServi ce/FCUBSProvisioningAdServiceSEI Eg: https://ofss000000:14001/FCUBSProvisioningAdServic</port></hostname>
	e/FCUBSProvisioningAdServiceSEI
SharedDrive_archiveDir	Full path of the archiving folder created in step 4 of OIM setup Eg: /home/Oracle/Oracle/Middleware/FCUBS-OIM- Config/Archive
SharedDrive_delimeter	, [Comma]
SharedDrive_uniqueAttrPare nt	USERID

k. Click on Next.



FLEXCUBE_GTC	FLEXCUBE_GTC	
🕨 FLEXCUBE_GTC 🔊	Parameter Name Parameter Value	
<< New Instance>>	SharedDrive_uniqueAttrParent USERID	
	SPML_userName	
	SPML_targetID FLEXCUBE	
	WebServices_webServiceURL https://ofss220607.in.c	oracl
	SPML_userPassword	1
	SharedDrive_stageDirParent /scratch/work_area/DE	3G/C
	SharedDrive_stageDirMultval	
	SharedDrive_fixedWidth	
	SharedDrive_archiveDir /scratch/work_area/DE	3G/C
	Timestamp	

FLEXCUBE_GTC	FLEXCUBE_GTC
🕨 FLEXCUBE_GTC 🔊	Parameter Name Parameter Value
<< New Instance>>	WebServices_webServiceURL https://ofss220607.in.oracl
	SPML_userPassword
	SharedDrive_stageDirParent /scratch/work_area/DBG/Q
	SharedDrive_stageDirMultval
	SharedDrive_fixedWidth
	SharedDrive_archiveDir /scratch/work_area/DBG/G
	Timestamp
	SharedDrive_delimiter
	SharedDrive_whetherTabDelimited
	SharedDrive_filePrefix SMOIMHOFF



The following screen will get displayed.

I. Click on Skip.

Click Add File to add more file	es.		
Show Information Res	et Leger	end	(
Summary	•		
Import Files	•	Current Selections Objects Removed From Import	
🜩 Add		Deployment Manager	
Substitutions	•	Provide IT Resource Instance Data.	
🜩 Add			
IT Resources	•	FLEXCUBE_GTC Provide the name of the IT resource instance to be created.	
🜩 Add		FLEXCUBE_GTC D Instance Name:	
New Roles	•	New Instance>>	
💠 Add		Parameter Name Parameter Value	
		SharedDrive_uniqueAttrParent	
		SPML_userName	
		SPML_targetID = Missing Dependencies To Create	
		WebServices_webServiceURL	
		SPML_userPassword	
		SharedDrive_stageDirParent	
		ShareOrive_stageDirMutval	
		SharedDrive_fixedWidth v	
		Cancel IT Resource Modification << Back Skip Next	
		Add Fie Import	

Deployment Manager - Import

A confirmation window for parameter values will get displayed.

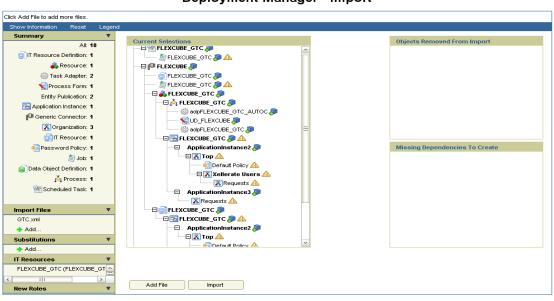
m. Confirm the values and click on View Selections.

	Deployment Manager - Import	
Click Add File to add more files. Show Information Reset Legend Summary ▼ Import Files ▼ \$ubstitutions ▼	Current Selections Confirmation Confirmation Parameters have been provided for the following IT resources:	Objects Removed From Import
	Cancel IT Resource Modification	Missing Dependencies To Create

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

- n. 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.
- o. Otherwise click on Import.







Above will prompt for Import Confirmation

p. Click on Import to start import.

Click Add File to add more files.		
Show Information Reset Legend		
Summary 🔻		
Al: 18	Current Selections	Objects Removed From Import
T Resource Definition: 1		
and the second s		
💑 Resource: 1	adpFLEXCUBE_GTC	
Task Adapter: 2		
Process Form: 1		
Entity Publication: 2	ApplicationInstance2 🔊	
Application Instance: 1	e Default Policy 🚣	
Generic Connector: 1	Confirmation	
Crganization: 3	▲ Request	
IT Resource: 1	ApplicationInstance	
Password Policy: 1	Are you sure you want to import the selections?	Missing Dependencies To Create
	TLEXCUBE_OTC DA Import	missing bependencies to create
/ Job: 1	TLEXCUBE_GTC	
Data Object Definition: 1	🗄 🗟 FLEXCUBE_GTC 🐉 🛆	
📩 Process: 1	- ApplicationInstance2	
Scheduled Task: 1		
	C C C C C C C C C C C C C C C C C C C	
	E 🛣 Xellerate Users 🛆	
Import Files 🔻		
GTC.xml	ApplicationInstance3	
🜩 Add		
Substitutions 🔻	📄 com.thortech.sk.dataobj.tcUD FLEXCUBE 🔊 👻	
(UD_FLEXCUBE Version) 2: JC2		
🔶 Add		
IT Resources		
FLEXCUBE_GTC (FLEXCUBE_GT	Add File Import	

Deployment Manager - Import

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

On successful import following screen will come.

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

Deployment Manager - Import

Click Add File to add more files.		
Show Information Reset Legend		
Summary V		ejects Removed From Import
Ait 19 (1) TResource Definition: 1 (2) Task Adapter: 2 (2) Process Form: 1 Ently Publication: 2 (2) Application Instance: 1 (2) Application Instance: 1	GraphExcuse_orc_Auroc GraphExcuse_orc GraphExcuse_orc GraphExcuse_orc Appleationinstance2 GraphExcuse_orc GraphExc	1
Corganization: 3	Import successful If you are importing forms with encrypted attributes for a clustered configuration, then restart all nodes of the cluster.	sing Dependencies To Create
الله الله الله الله الله الله الله الله	OK OK	
Scheduled Task: 1		
GTC.xml	Requests 🛆	
Substitutions V (UD_FLEXCUBE Version) 2 : JC2	Com.thortech.xi.detaebj.ct/0_FLEXCUBE 🦻 😈	
Add IT Resources FLEXCUBE_GTC (FLEXCUBE_GT	Add File Import	



Click on Sandboxes.

DRACLE Identity System Administration	Accessibility Sandboxes Help Sign Out xelsysadm
Generic Connector	
C Application Instances	
a Manage Connector	
▲ System Entities	
🗞 User	
Transaction	
කි Role	
Catalog	
System Configuration State organization Policy Self Service Capabilities	
B Lookups	
Role Categories	
R Scheduler	
A Notification	
Se Configuration Properties	
log import	
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Click on Create Sandbox.

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Enter the Below Details and Click on Save and Close.

- r. Sandbox Name : FlexcubeSandbox
- s. Sandbox Description : FlexcubeSandbox

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Click on Ok.

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Click on Form Designer under Provisioning Configuration.

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Click on Create

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Enter the below details and Click on Create

- Resource Type : FLEXCUBE_GTC
- Form Name : FlexcubeForm

Note*: Form Name should be same as above

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Click on Application Instances under Provisioning Configuration.



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Click on Search.

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Click on FLEXCUBE_GTC.

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Choose the Form as FlexcubeForm and Click on Apply.



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Application Instance belongs to the following Organizations

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

DRACLE Identity Syst	tem A	dmini	istration			Accessibility	Sandboxes	Help	Sign Out xe	Hsysadm 👘	•
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Select and click on Publish Sandbox.



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Click on Scheduler under System Configuration.

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Click on 主 to Search for Scheduled Job List.



ORACLE Identity System Administration

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Click on Run Now.

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Schedule Task Setup

This step involves setting up Schedule task parameters.

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

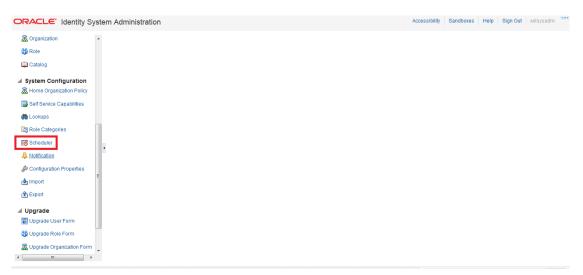


Enter OIM administrator username/password and press Login.

ORACLE Identity System Administration			Accessibility	Help	About Oracle	
	Sign In					
		Sign in with your account				
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		xelsysadm				
		Password				
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Click on Scheduler under System Configuration.



Click on 主 to Search for Scheduled Job List.



ORACLE Identity System Administration

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On the Edit Schedule Task screen.

• WebService Url : FCUBSLOVAdService deployed in section 5.1.4.2.1

https://<hostname>:<ssl_port>/FCUBSLOVAdService/FCUBSLOVAdServiceSEI

Query

FCUBS :

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

FCIS :

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

• Click on Apply and Click on Run.

:

Event Management Policies Sys	stem Management					
cheduler Notification System Configura	ation					
earch Scheduled Jobs	Welcome	Job Details				
dvanced Search	Job Details :	FLEX_BranchCode_SchTask				* Indicates required fields
					Apply Run Now Stop	Enable Disable Refresh
Actions 🕶 View 👻 🥒 🎦						
lob Name Status						
pplication Instanc Stopped	 Job Informa 	tion				
Attestation Grace Stopped		Job Name FLEX BranchCode Sd	hTaek	6) Periodic	
utomated Retry Stopped		Task FLEX_BranchCode_Sd) Cron	
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ulk Load Archival Stopped		* Retries	0		Single No pre-defined schedule	
ulk Load Post Pro Stopped					No pre-defined schedule	
atalog Synchroni Stopped						
ertification Event Stopped	Job Status					
ataCollection Sch Stopped		Current Status Stopped				
elayed Delete User Stopped		Last Run Start April 20, 2016 5:47:0	PM IST			
isable/Delete Use Stopped		Last Run End April 20, 2016 5:47:03	PM IST			
nable User After Stopped		Next Scheduled Run				
intitlement Assign Stopped						
intitlement List Stopped	Parameters					
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valuate User Polic Stopped						
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LEXCUBE GTC Stopped		Query select branch_code]	Vilbranch co	WebService Url	https://ofss220607.in.oracle.com:7	
form Lingrade Job Stopped	-	gaci y boccc branch_code[] -	- [[brand1_co	includer nee on th	report/orabilition delicentity	
Rows Selected 1	Job History					



Modify FLEX_UsrLang_SchTask job

• WebService Url : FCUBSLOVAdService deployed in section 5.1.4.2.1

https://<hostname>:<ssl_port>/FCUBSLOVAdService/FCUBSLOVAdServiceSEI

• Click on Apply and Click on Run.

RACLE' Identity System Admin		Signed in as xelsysadm He
vent Management Policies System I	fanagement	
heduler Notification System Configuration		
earch Scheduled Jobs	Welcome Job Details	
vanced Search	Job Details : FLEX_UsrLang_SchTask	* Indicates required fields.
vanced search		Apply Run Now Stop Enable Refresh
		Apply Runnow Stop Enable Reliesh
Actions 🕶 View 👻 🥒 🎦 🔀		
b Name Status		
plication Instanc Stopped	Job Information	
testation Grace Stopped	Job Name FLEX_UsrLang_SchTask	Periodic
tomated Retry Stopped	Task FLEX_UsrLang_SchTask	Cron
comatically Unlo Stopped	Retries	0 Schedule Type Single
Load Archival Stopped	1100100	No pre-defined schedule
Load Post Pro Stopped		
alog Synchroni Stopped	Job Status	
tification Event Stopped	Current Status Stopped	
aCollection Sch Stopped	Last Run Start April 20, 2016 5:38:34 PM IST	
ayed Delete User Stopped	Last Run End April 20, 2016 5:38:35 PM IST	
able/Delete Use Stopped	Next Scheduled Run	
ble User After Stopped	Next Scheduled Run	
itlement Assign Stopped	Parameters	
itlement List Stopped itlement Post D Stopped		
aluate User Polic Stopped	Lookup Name Lookup.FLEX.UserLanguage	WebService Name FCUBSLOVAdService
X BranchCode Stopped	OIM Country US	WebService NameSpace http://lovservice.ws.oim.integration
X_BranchLode Stopped X_UsrLang_Sch Stopped	OIM Language en	WebService Operation lookup
X_UsrLang_Scn Stopped XCUBE_GTC Stopped	Query select LANG_CODE '~' LANG_C	
m Upgrade Job Stopped	Query select LANG_CODE ~ LANG_C	webservice on https://ofss220607.in.orade.com:7
ws Selected 1	Job History	
•	Job history	



5.1.7 System Configurations

5.1.7.1 Integration Specific Configurations

5.1.7.1.1 FCUBS Configurations

On FCUBS side following configurations need to be done:

- Maintenance of Maker ID
- Maintenance of External Source

Both configurations can be done using FCJ provided screens.

1. Maintenance of Maker ID

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

2. Maintenance of External Source

For OIM request and response handling, an external source should be maintained in FCUBS 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	FCUBSSMService	CreateUserMaint
UNLOCK	SMGUSRDF	FCUBSSMService	ModifyUserMaint
DELETE	SMGUSRDF	FCUBSSMService	DeleteUserMaint
CLOSE	SMGUSRDF	FCUBSSMService	CloseUserMaint
REOPEN	SMGUSRDF	FCUBSSMService	ReopenUserMaint
VIEW	SMQUSRDF	FCUBSSMService	QueryUserMaint

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

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



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

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

5.1.7.2 OIM Configurations

5.1.7.2.1 OID Connector Configuration

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

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

Login to the Design Console.



🔁 Oracle Id	entity Manager	Design Con: _ \rightarrow
	Welcome T	0
	ORACL	_— .
	Oracle Identity Ma	-
	Design Conso	le
<u>U</u> ser	ID xelsysadm	
e <u>P</u> assi	word	
Versi	on 11.1.2.3.0.0.0	
	ogin	<u>C</u> ancel



Navigate to the Administration>>Lookup Definition menu

- a. Enter the below details:
 - Code: Lookup.OID.Organization
 - Click on Search M Icon
 - Click on Add _____ button
 - Enter the below details:
 - Code Key : cn=Users,dc=in,dc=oracle,dc=com
 - Decode : cn=Users,dc=in,dc=oracle,dc=com
- b. Click on Save

	anager Design Console : connected to jdbc:oracle:thin:@ofss220374:1521/OracleSSO12c _	o x
<u>F</u> ile <u>E</u> dit <u>T</u> ool Bar <u>H</u> elp		
🖸 Oracle Identity Manager Design Co	Lookup Definition	
🖻 🦳 Resource Management		
IT Resources Type Definition		
Rule Designer	Field	
Resource Objects Process Management	Lookup Type 🔾 Field Type	
Administration	Required 🗖	
□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □		
🕀 🧰 Development Tools	Group Lookup.OID.Organization	
	Lookup Code Information	
	Add Code Key Decode	
	Delete 1 cn=Users,dc=ofss,dc	
	Lookup Definition Lookup Definition Resource Objects Lookup Definition	

Navigate to the Administration>>Lookup Definition menu

- a. Enter the below details:
 - Code: Lookup.OID.UM.ProvAttrMap
 - Click on Search M Icon
 - Modify the Decode value for Code Key Name:
 - From : ___NAME__="uid=\${User_ID},\${Container_DN}"
 - To : __NAME__="cn=\${User_ID},\${Container_DN}"
- b. Click on Save 🖳



Navigate to the Resource Management>>Resource Objects menu. This will open a blank screen.

- a. Enter FLEXCUBE_GTC in Name box.
- b. Click on Search icon.
- c. This will show the definition for resource FLEXCUBE_GTC. Click on Assign button in Depends On tab.

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

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



Oracle Identity Manager Design Console : connected to jdbc:oracle:thin:@ofss220246:15	521 _ 🗆	×
<u>F</u> ile <u>E</u> dit <u>T</u> ool Bar <u>H</u> elp		
Oracle Identity Manager Design C Resource Object Object Reconciliation		
Diject Definition		
Assigned Objects ×		
Rule Unassigned Objects Assigned Objects		
Big Resg 1 OID Trusted User		
Process DID User		
Eta Proc		
Adminis		
	finition	
	lles	
<u>O</u> K		
Image: Comparison of the second se		

Ensure that OID User will be shown under Object.

a. Click on Save.

	Design Console : connected to jdbc:oracle:thin:@ofss220246:1521 $_$ \Box	×
<u>F</u> ile <u>E</u> dit <u>T</u> ool Bar <u>H</u> elp		
N < N N D 🖬 M 8		
Oracle Identity Manager Design Co User Management Resource Management Resource Objects Resource Objects Comparison Compa	Resource Object Object Reconciliation Object Definition FLEXCUBE_GTC • Order For User Order For Organization Type Application Trusted Source Image: Content of the second s	
	Resource Objects	

5.1.7.2.2 Access Policy Creation for OID

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

Login to Administrative Console

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



ORACLE Identity System Administration			Acces	sibility H	elp Abou	it Oracle	
	Sign In						
		Sign in with your account					
		User ID					
		xelsysadm					
		Password					

		Sign In					
		Sign in					

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Click on Access Policies under Policies.

RACLE Identity System Administration	Accessibility Sandboxes Help Sign Out X	elsysa
I Policies ▲		
Access Policies		
∥ Provisioning Configur Sg. Reconciliation =		
I Form Designer		
@ IT Resource		
😰 Generic Connector		
Application Instances		
Anage Connector		
System Entities		
🗞 User		
a Organization		
🐉 Role		
Catalog		
System Configuration		
😹 Home Organization Policy		

Click on Create Access Policy.

Manage Access Policies Enter your search criteria to search for access policies.	
Search Access Policies Create Access Policy Clear	



Enter the below details and Click on Continue

- Access Policy Name : OIDAccessPolicy
- Access Policy Description : OIDAccessPolicy
- Policy Owner : ALL USERS
- Retrofit Access Policy : Yes
- Priority : 1

Freate Access Policy	
Step 1: Create Access Polic	у
* Indicates Required Field	
Access Policy Name	* OIDAccessPolicy
Access Policy Description	OIDAccessPolicy.
Policy Owner	Role 💽 ALL USERS
Retrofit Access Policy	
Priority	* 1 Current Lowest Priority=1
Exit Continue >>	

Perform the below mentioned Operations and Click on Continue.

- Select OID User
- Click on Add Button

Create Access Policy	234			
Step 2: Select Resources				
* Indicates Required Field Filter By Go				
Results 1-2 of 2 First Previous N	lext Last		Selected:	
First Previous Next Last	FLEXCUBE_GTC OID User	Add >> << Remove		
Exit << Back Continue >>				



Click on Continue.

Create Access Policy	1 2 3 4
Step 2: Select Resources	
The subsequent pages will guide you through pro	viding the data to associate with the following resources you selected to be provisioned by this Access Policy:
• OID User	
Exit << Back Skip This Ste	p Contrue >>

Select the below Details and Click on Continue.

- **OID Server** • Server :
- Container DN : Preferred Language : •
- English
- Start Date •
- April 20, 2016 (Current Date) : :
- End Date •

April 20, 2026 (End Date)

cn=Users,dc=in,dc=oracle,dc=com



Provide the following process details for resource OID User:	
* Indicates a required field	
User ID	*
Server	* OID Server
Password	
First Name	
Middle Name	
Last Name	*
Common Name	*
Container DN	* cn=Users,dc=ofss,dc=in,dc
Department	
Location	
Telephone	
Email ID	
Preferred Language	
Time Zone	
Title	
Start Date	April 20, 2016
End Date	April 20, 2026
manager	
Exit << Back	

Click on Continue.

Create Access Policy		
Step 2: Select Revoke Or Disable Flag		
Select if the resources need to be revoked or disabled if the access policy no longer applies.		
Resource Name	Revoke if no longer applies	Disable if no longer applies
OID User	۲	٥
Ext << Back Continue >>		

Click on Continue.



Create Access Policy	1234	
Step 3: Select Resources		
Specify the resources to be denie * Indicates Required Field Filter By	ed by this access policy.	
Results 1-2 of 2	First Previous Next Last ource Name	Selected:
	FLEXCUBE_GTC OID User	Add >>
First Previous Next Last	itnue >>	×

Click on Create Access Policy.

	Access Policy Name	OIDAccessPol		
	Access Policy Description Policy Owner Type	OIDAccessPol Role	cy	
	Policy Owner	SYSTEM ADMINIST	ATOPS	
	Retrofit Access Policy	Yes		
	Priority	1		
Resources to be provisione	d by this access policy			<u>Change</u>
Resource Name	Revoke if no longer applies	Disable if no longer applies	Process Forms	
OID User	✓	×	OID User Edit	
Resources to be denied by	this access policy			<u>Change</u>
-				<u>Change</u>
-	this access policy	ess policy.		Change
Roles for this access policy	t selected any resources to be denied by this acce	sss policy.		Change
(j) You have not	t selected any resources to be denied by this acce	ess policy.		Change

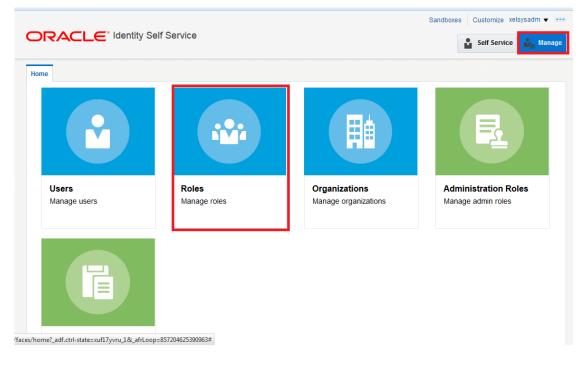
Login to Identity Self Services



		Accessibility Help About Oracle ****
	Service	
Sign		
	Sign in with your account	
	User ID	
	xelsysadm	
	Password	

	Sign In	
	Forgot User Login? Forgot Password?	
	New User Registration	
	Track My Registration	
Copyright © 2001, 2015, Oracle and/or its affiliates. A	I rights reserved	

Click on Roles under Manage



Select ALL USERS to Edit



		Self Service Manage
ne Roles x		li l
Roles		
rch Name	Q Advanced	
ctions 🔻 View 👻 🕂 Create	✓ Open 🗙 Delete 🗘 Refresh 🔄 🖬 Detach	
Name	Role Description	
📸 ALL USERS	Default role for all users	
🏜 Administrators	Administrators role for SOA	
📸 BIReportAdministrator	Administrators role for BI Publisher Reports	
COPERATORS	Operator role	
SELF OPERATORS	Operator role for self registration	

Click on Access Policy

L USERS	Apply Revert
Hierarchy Access Policy Members Organizations	
Name ALL USERS	
Role Namespace Default	
Display Name ALL USERS	
Role E-mail	
Default role for all users Role Description	
* Owned By System Administrator	

Click on + Add to Add Access Policy

DRACLE	Identity Self S	ervice			Ş	stomize xels elf Service	ysadm ♥ ₪ Manag
ome Roles x ALL U	SERS ×						Ē
ALL USERS Attributes Hierarchy	Access Policy Mer	nbers Organizations				Apply	Revert
Add access policies to de Actions ▼ View ▼	fine access rights of f		Ę	Detach			
Policy Name	Policy Description	Pending Action					
No data to display							

Search for the Access Policy & Select the Access Policy Created

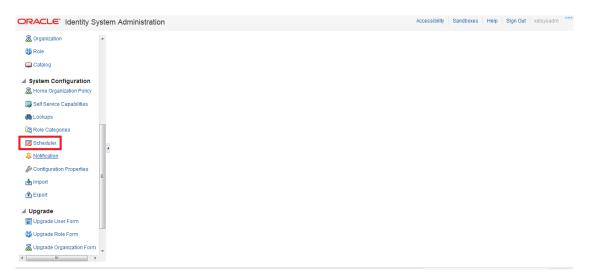


	Identity Self		ze xelsysadm 🔻 🖷
		Self Se	ervice 🦾 Manage
Roles × A	Add Access Poli	cies ×	
USERS	Search Policy Nar	me Search for Policies and Add them to the Selected Items table below	Apply Revert
utes Hierarch	Results		
access policies	View 🔻 🖳		
ons 🔻 View	Policy Name	Policy Description	
ons View	OIDAccessPolicy	OIDAccessPolicy	
Policy Nar		✓ Add Selected 😵 Add All 🔗 Remove Selected 🔅 Remove All	
ata to display			
	Selected Policies	5	
) 2001, 2015, Ori	Selected Policies	5	
2001, 2015, Ori		Policy Description	
2001, 2015, Ori	View 👻		
9 2001, 2015, Ori	View ▼ Policy Name	Policy Description	

Click on Apply to Save

			Sandboxes Customize xelsysadm 🔻 📼
DRACLE	Identity Self Se	rvice	Self Service Manage
lome Roles x ALL US	ERS ×		
ALL USERS			Apply Revert
Attributes Hierarchy A	Access Policy Men	bers Organizations	
Add access policies to def	ine access rights of t	is role.	
Actions • View •	🕂 Add 🗙 Remo	re 🖒 Undo 🕐 Refresh 📴 🕼 Detach	
Policy Name	Policy Description	Pending Action	
OIDAccessPolicy	OIDAccessPolicy	Add	

Click on Scheduler under System Configuration.



Click on Search shown below:



ORACLE' Identity System Adminis	tration Signed in as xelsysadm Heb 📿
Event Management Policies System Ma	nagement
Scheduler Notification System Configuration	
Search Scheduled Jobs	Welcome
Advanced Search	Welcome to Identity System Administration
Actions • View • 🖉 😭 💥 📑	Event Management Search Reconcilation Events
	Policies Search Approval Policies
	System Management Search Scheduled Jobs Search Notification Templates
	Search System Properties
	4
·	

Select Evaluate User Policies.

ORACLE' Identity System Adminis	tration Signed in as xelsysadm Help
Event Management Policies System Ma	nagement
Scheduler Notification System Configuration	
Search Scheduled Jobs	Welcome
Advanced Search	Welcome to Identity System Administration
Actions • View • Job Name Status Application Instanc Stopped	Event Management Search Reconciliation Events
Attestation Grace Stopped Automated Retry Stopped Automatically Unio Stopped Buik Load Archival Stopped Buik Load Post Pro Stopped	Policies S Search Approval Policies
Catalog Synchroni Stopped Certification Event Stopped DataCollection Sch Stopped	System Management
Delayed Delete User Stopped Disable/Delete UserStopped Enable User AfterStopped Entitlement AssignStopped	B Search Notification Templates Search System Properties
Entitlement List Stopped Entitlement Post D Stopped Evaluate User Polc Stopped	
FLEX_BranchCode Stopped FLEX_UsrLang_Sch Stopped FLEXCUBE_GTC Stopped	
Form Linorade_JobStonned	<u>.</u>

Change the Schedule Type under Job Information, also change Run Every under Job Periodic Setting.

c. Click on Apply.

Job will be scheduled in a periodic manner and it will evaluate the New User Created in Oracle Identity Management Server against the access policies created. If the new user satisfied by the access policy then it will Provision the user to User Account. In this case it's Oracle Internet Directory.



DRACLE' Identity System Adn	inistration	Signed in as xelsysadm Hei
Event Management Policies Syste	m Management	
Scheduler Notification System Configuration	n	
Search Scheduled Jobs	Welcome Job Details	
→	Job Details : Evaluate User Policies	
Advanced Search	JOD Details : Evaluate user Policies	* Indicates required fields.
Advanced Search		Apply Run Now Stop Enable Disable Refresh
Actions 🔹 View 👻 🧪 🎦		Hope to the terms of terms
lob Name Status		
Application Instanc Stopped		
Attestation Grace Stopped	1 Job Information	
Automated Retry Stopped	Job Name Evaluate User Policies	 Periodic
Automatically Unio Stopped	Task Evaluate User Policies	Cron
Bulk Load Archival Stopped	* Start Date April 21. 2016 3:47:19 AM I 🖄 (UTC+05:30) Calcutta - India Time (IT)	Schedule Type Single
Bulk Load Post Pro Stopped	* Retries 10	No pre-defined schedule
Catalog Synchroni Stopped	10000	
Certification Event Stopped	Job Periodic Settings	
DataCollection Sch Stopped		
Delayed Delete User Stopped	Run every 10	
Disable/Delete Use Stopped	mins 💌	
Enable User After Stopped		
Entitlement Assign Stopped	Job Status	
Entitlement List Stopped	Current Status Stopped	
Entitlement Post D Stopped	Last Run Start April 21, 2016 11:24:55 AM IST	
Evaluate User Polic Stopped	Last Run End April 21, 2016 11:24:55 AM IST	
FLEX_BranchCode Stopped	Next Scheduled Run April 21, 2016 3:47:19 AM IST	
FLEX_UsrLang_Sch Stopped		
FLEXCUBE GTC Stopped	Parameters	
Form Upgrade Tob Stopped	* Batch Size 500	
Rows Selected 1		
	Number of Threads 5	



6. Solution / Usage Guidelines

6.1 Working with OIM

6.1.1 Creating a user in FLEXCUBE through OIM

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

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

Login to Administrative Console

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

ORACLE [®] Identity Self Service		Accessibility Help About Oracle ••••
Sign in	Sign in with your account User ID xelsysadm Password •••••••• Sign In Forgot User Login? Forgot Password? New User Registration Track INy Registration	
Copyright © 2001, 2015, Oracle and/or its affiliates. All rights reserved		

Click on Users under Manage.



Users Roles Organizations Administration Roles Manage users Manage roles Manage organizations Manage admin roles

Click on Create.

R	ACLE	Identity Self S	Service					Self Service	🍰 Manag
me	Users ×								
Us	sers								
arch	Display Name	•	Q Advance	ced					
ctions	s 🔻 View 👻	🕂 Create 🧪 Edi	t 🗸 Enable (🕒 Disable 🗙 De	lete 🔒 Lock Acc	count 🖬 Unlock /	Account 🔋 Reset	Password	» »
	s ▼ View ▼ User Login	+ Create / Edi Display Name	t 🗸 Enable (🗢 Disable 🗙 De Last Name	lete 🔒 Lock Acc	count C Unlock / Telephone Number	Account 🐑 Reset	Password Identity Status	» » Account S
						Telephone			
	User Login	Display Name	First Name	Last Name	Organization	Telephone		Identity Status	Account S
	User Login	Display Name	First Name OIMINTERNAL WEBLOGIC	Last Name OIMINTERNAL	Organization Xellerate Users	Telephone		Identity Status Active Active	Account S



The Create User screen will get displayed.

- a. Below are the mandatory fields, which needs to be entered to Create the User in Oracle Identity Manager
 - i. First Name
 - ii. Last Name
 - iii. Organization
 - iv. User Type
 - v. E-mail
 - vi. Display Name
 - vii. User Login
 - viii. Password
 - ix. Confirm Password
 - x. Start Date

Note: Password & Confirm Password are not entered then System will generate some random password & it will mailed to the email addess entered.

b. Click on Submit.

		Identity Colf Consid			Sa	andboxes	Customize xelsys	adm 🔻 🚥
	Le	Identity Self Servic	;e			Ľ	Self Service	🔥 Manage
ome Users y	Cr	eate User 🗙						
Create Use	•					Submit	Save As 🔻	Cancel
▶ Req	uest	Information						
Basic Info	mati	on						
First Name	Nan	dhakumar	M	anager	୍			
Middle Name			* Organ	ization Requests	٥,			
* Last Name	Vem	ban	* Us	er Type Employee	•			
E-mail	nan	dhakumar.vemban@oracle.con	n Displa	Name Nandhakumar Ver	nban			
Account S	etting	js						
User L	ogin	nvemban-in						
Passy	vord	•••••	0					
Confirm Pass	vord	•••••						
Account E	fecti	ve Dates						
Start Date 4/25	/2016	i ©						
End Date		Ė						

On successful creation of user "User successfully got created" message will get appeared.



Us	er created succes	sfully						Self Service	💑 Manage
me	Users ×					_			
U	sers								
	Distantia Marcal								
arch	Display Name	•	Q Advan	ced					
ction	ns 🔻 View 🔻	+ Create 📝 Edi	t 🗸 Enable (🕽 Disable 🗙 De	elete 🔒 Lock Ac	count 👩 Unloci	k Account 🛛 🗐 Resel	Password	» »
	User Login	Display Name	First Name	Last Name	Organization	Telephone Number	E-mail	Identity Status	Account St
	OIMINTERNAL	Internal User	OIMINTERNAL	OIMINTERNAL	Xellerate Users			Active	Unlocked
	WEBLOGIC	Weblogic User	WEBLOGIC	WEBLOGIC	Xellerate Users			Active	Unlocked
	XELSYSADM	System Adminis	System	Administrator	Xellerate Users		donotreply@ora	Active	Unlocked
	•				III				Þ

Click on Refresh to fetch the updated user list.

						Sandboxes		
DRACL	_e* Identity Self	Service					Self Serv	ice 🎝 Manage
łome Users x								
🔓 Users								
earch Display N	ame 💌	Q Advan	iced					
				1-4- 0 1 A	0.0.0	Accord - D Bread	Decouved	
Search Display N Actions View			Ced	lete 🔒 Lock Acc	count of Unlock	Account 🕤 Reset	Password	» »
				lete 🔒 Lock Acc	count C ^O Unlock Telephone Number	Account not Reset		>> >> Refresh ount St
Actions View	 ← Create	dit 🗸 Enable	🗢 Disable 🗙 De		Telephone		25	Defeast
Actions View		dit Cenable	O Disable X De	Organization	Telephone		ldenti 🗘	Refresh ount S
Actions View User Logi OIMINTERI	+ Create E Display Name VAL Internal User Veblogic User	dit Cenable First Name OIMINTERNAL WEBLOGIC	Disable X De Last Name OIMINTERNAL	Organization Xellerate Users	Telephone		Identi CO Active Active	Refresh ount St

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Click on the User created in the step above and Click on Accounts TAB

SR	ACLE	Identity Self S	Service					Self Service	🎝 Manag
Home	Users ×								
🔓 Us	sers								
Search	Display Name	•	Q Advan	ced					
Action	s 🔻 View 👻	🕂 Create 🧪 Edi	t 🗸 Enable (🕽 Disable 🗙 De	lete 🔒 Lock Acc	count 💣 Unlock	Account 🔊 Reset	Password	» »
	User Login	Display Name	First Name	Last Name	Organization	Telephone Number	E-mail	Identity Status	Account S
	NVEMBAN-IN	Nandhakumar V	Nandhakumar	Vemban	Requests		nandhakumar.v	Active	Unlocked
	OIMINTERNAL	Internal User	OIMINTERNAL	OIMINTERNAL	Xellerate Users			Active	Unlocked
	WEBLOGIC	Weblogic User	WEBLOGIC	WEBLOGIC	Xellerate Users			Active	Unlocked
			Suctors	Administrator	Xellerate Users		donotreply@ora	Active	Unlocked
	XELSYSADM	System Adminis	System	/ tarrining a con					omoonou

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Wait for Time, which has been set to evaluate the user access policy in 5.1.6.2.2.15 and Click on Refresh. In the Accounts TAB, User will be Provisioned with OID User Resource Type.



me Users 🗴	User Deta	ils : Nandhakuma.	x						6
_	akumar V								
_									
Nodify	 Enabl 	e 🔵 Disabl	e 🗙 Delete	🔒 Lock Acco	unt 💣 UnLoci	k Account 🔊	Reset Password		
ttributes Rol	es Entitlen	Accounts	Direct Reports	Organizationa Ad	min Roles				
undutes Rol	es chuuen	nents Accounts	Direct Reports	Organizations Ad	min Roles				
Actions 👻 Vi	ew 🗸 🕂	Request Account	ts 🧪 Modify Gra	nt Duration	Request Entitlemen	t 🗘 Refresh	🔅 Resource Histo	ny 🔄	Detach
		_	Account Name	Provisioned	Status	Account Type	Request ID	Start Date	End Da
Applic Instan		Resource	Account nume						

Click on Request Accounts.

ser Details : Nar mar Vemba / Enable Entitlements			🔒 Lock Acco	unt 🗗 Un Lo	ck Account 🔊 🔊	Reset Password		
/ Enable		× Delete	🔓 Lock Acco	unt 👩 UnLo	ck Account 🔊	Reset Password		
-	Disable	🗙 Delete	🔒 Lock Acco	unt 👩 UnLo	ck Account 🔊	Reset Password		
-	-		La Statistica	M				
Entitlomonto								
Enurements	Accounts	Direct Reports	Organizations Ad	dmin Roles				
r 🕂 Reque	st Accounts	Modify Gra	ant Duration	Request Entitleme	nt 🗘 Refresh	Resource His	tory 🔄	Detach
Resour	ce i	Account Name	Provisioned On	Status	Account Type	Request ID	Start Date	End Da
OID Use	er I	NVEMBAN-IN	4/25/2016	Provisioned	Primary		4/25/2016	
			"	1				Þ
	n Resour	n Resource	n Resource Account Name	n Resource Account Name Provisione@On OID User NVEMBAN-IN 4/25/2016	n Resource Account Name Provisione®Om Status	n Resource Account Name Provisioned Off Status Account Type OID User NVEMBAN-IN 4/25/2016 Provisioned Primary	n Resource Account Name Provisioned Off Status Account Type Request ID OID User NVEMBAN-IN 4/25/2016 Provisioned Primary	n Resource Account Name Provisioned On Status Account Type Request ID Statu Date OID User NVEIMBAN-IN 4/25/2016 Provisioned Primary 4/25/2016

Click on ╋ Add to Cart against FLEXCUBE_GTC.



me Users _× User D	etails : Nandhakuma 🗙 🖡	Account Access Request 🗙			
	Back Add Act	cess Checkout	Cancel Next	Nandhakum	Cart 쿶 ar Vemban <mark>४</mark>
Search and select individ	ual items from the Catalog	tab. Sets of pre-bundled items of	commonly used in your organiza	tion can be selected from the Reques	t Profiles tab.
Catalog Request Profi	iles				
Search Keyword					
Search Keyword	Search				
Search Keyword					
Search Keyword	Search Sort By Display Na	me 💌		Add Selected to Cart	
		BE GTC		+ Add Selected to Cart	

Click on Next Button

ome Users x User Details :	Nandhakuma x Account Access Request x	C
В	ack Add Access Checkout Cancel Nex	t Car 📬 Nandhakumar Vemban 🔊
Search and select individual iter Catalog Request Profiles	ms from the Catalog tab. Sets of pre-bundled items commonly used in your or	ganization can be selected from the Request Profiles tab.
Search Keyword Sea	rch	
	Sort By Display Name •	+ Add Selected to Cart
Sea		+ Add Selected to Cart

Following screen will appear like below:

- d. Click on Details form to edit the user details
- e. Select the Home Branch, User Language, Time Level
- f. Click on Update Button

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



	ntity Self Servio	e			Self Ser	rvice Manage
e Users x User Detail	s : Nandhakuma 🗴	Account Access Requ	jest x			B
	Back Add	Access Ch	Cancel	Next	Nandhakum	nar Vemban 🎦
art Details ▶ Request Infor	mation				Submit	Save As V
Cart Items						
isplay Name	STC					× o
equest Details FLEXC	UBE_GTC				ď	Update
containerID			USERLANGUAGE			
ID			TIMELEVEL		9	
objectclass			STARTDATE	4/25/2016		
USERID	NVEMBAN-IN		EMAIL	nandhakumar.vemban@oracle.com		
USERNAME	Nandhakumar Vemb	an	LDAPUSR	cn=NVEMBAN-IN,cn=Users,dc=ofss,dc=		
USERPASSWORD	•••••	0	Service Account			
occurrente	000	٩				
HOMEBRANCH						

Click on Submit.

	oetails : Nandhakuma 🗙 Ad	ccount Access Request 🗙			
	Back Add Acce	ess Checkout	Cancel	Next	Nandhakumar Vemban 😭
art Details ▶ Request Ir	formation				Submit Save As 🔻
Cart Items					
isplay Name					
	BE_GTC				X 0
equest Details FLE	EXCUBE_GTC				Update
Details					
:==:.			USERLANGUAGE	ENG	9
containe	erID				
	ID		TIMELEVEL	9	Q
	ID		TIMELEVEL	9 4/25/2016	Q
objectcl	ID				Q
objectcl USE	ID		STARTDATE	4/25/2016	
containe objectcl USE	ID ass RID NVEMBAN-IN MME Nandhakumar Vemban		STARTDATE EMAIL LDAPUSR	4/25/2016 to nandhakumar.vemban@oracle.com cn=NVEMBAN-IN,cn=Users,dc=ofss,dc	
objectcl USE	ID ass RID NVEMBAN-IN NME Nandhakumar Vemban ORD	0	STARTDATE	4/25/2016 to nandhakumar.vemban@oracle.com cn=NVEMBAN-IN,cn=Users,dc=ofss,dc	

Click on Refresh in Accounts TAB.



ראכ	ACLE	Identity Self S	ervice				Sandboxes	Customize Xe	
ome	Users x User	Details : Nandhakuma	x						6
🔒 N	landhakuma	r Vemban							
	Indifu	Diagh	la 😪 Dalata	O Look Asso		Look Account	Depart Department		
	Modify 🗸 🗸 E			🔒 Lock Acco		Lock Account 🛛 🔊	Reset Password		
Attribute	-	titlements Accounts	s Direct Reports	Organizations Ad	unt 🔐 Un Imin Roles Request Entitler		Reset Password		Detach
Attribute	es Roles Ent	itlements Accounts	s Direct Reports	Organizations Ad	Imin Roles		🐯 Resource H		Detach End Da
Attribute	ns ▼ View ▼	Hequest Account	s Direct Reports	Organizations Ad	Imin Roles Request Entitler	ment 🔇 Refresh	🐯 Resource H	istory	

It will show the Requested Account and its status.

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

e Users x User D)etails : Nandhakuma.	×						
Nandhakuma	r Vemban							
- 🖍 Modify 🛛 🗸 En	able 🖨 Disabl	e 🗙 Delete	A Lock Acco	unt - Unloc	k Account	Reset Password		
Moully V El			E LOCK ACCO		K ACCOUNT	Reset Password		
ibutes Roles Enti	tlements Accounts	Direct Reports	Organizations Ad	min Roles				
						offa		
ctions ▼ View ▼	+ Request Account	ts 🥢 Modify Gra	ant Duration	Request Entitlemen	t (2) Refresh	Resource Histo	ory 🔄	Detach
Application Instance	Resource	Account Name	Provisioned On	Status	Account Type	Request ID	Start Date	End Da
FLEXCUBE_GTC	FLEXCUBE_GTC	24	4/25/2016	Provisioned	Primary		4/25/2016	
	010.11	NVEMBAN-IN	4/25/2016	Provisioned	Primary		4/25/2016	
OID User	OID User	INVENIE/IN						

6.1.2 Modifying a user in FCUBS through OIM

Navigate to the Accounts TAB>>Select FLEXCUBE_GTC >> Click on Modify Accounts.

- a. After successful provisioning User Details like User Name, User Password, Time Level, User Language and Home Branch can be modified.
- b. Email, LDAP User, Start Date should not be modified.



ספ	ACLE	dentity Self Se	ervice				Sandboxes	Customize X	
Home	Users x User De	etails : Nandhakuma.	x						
🔓 N	landhakumar	Vemban							
/ N	Modify 🗸 Ena	ible 🕒 Disabl	e 🗙 Delete	🔒 Lock Acco	unt 🔐 Uni	Lock Account	Reset Password	I	
Attribute		ements Accounts			Imin Roles Grant Duration	X Remove Account	s 🖉 Make Pri	mary	» »
	Application Instance	Resource	Account Name	Provisioned On	Status	Account Type	Request ID	Start Date	End Da
	FLEXCUBE_GTC	FLEXCUBE_GTC	24	4/25/2016	Provisioned	Primary		4/25/2016	
		OID User	NVEMBAN-IN	4/25/2016	Provisioned	Primary		4/25/2016	
	OID User	OID User		ILCILO IC	1 Tottorono a	i fiffidiy		4/23/2010	

The following screen is displayed.

- a. Modify the data (Any/All of User Name, User Password, Time Level, Home Branch and User Language).
- b. Click on Update Button.
- c. Click on Submit.

			Sandboxe	
RACLE	entity Self Service			Self Service Manag
ome Users 🗙 User Deta	ils : Nandhakuma 🗙 Modify Accour	nt x		Ē
Iodify Account				Submit Save As 🔻
Target Users			Request Informa	tion
Name				
Nandhakumar Vemban	0			
Cart Items				
Display Name				
	BE_GTC			X 0
Request Details 24@FL				Update
Edit Account	details			
containerID		HOMEBRANCH	000	٩
ID		USERLANGUAGE	ENG	٩
objectclass		TIMELEVEL	7	Q
USERID	NVEMBANIN	STARTDATE	4/25/2016	
USERNAME	Nandhakumar Vemban	EMAIL	nandhakumar.vemban@oracle.com	

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



	Users × User Details : N	andhakuma	×						
🞽 Na	andhakumar Vem	ban							
/ м	lodify 🗸 Enable	Disable	🗙 Delete	🔒 Lock Acco	unt 📑 Unl	Lock Account) Reset Pass	word	
Attribute	es Roles Entitlements	Accounts	Direct Reports	Organizations Ad	min Roles				
Action		uest Accounts		-	Grant Duration	X Remove Account	te 🖉 Mak	e Primary	>
Action	Application Reso		Account Name	Provisioned On		Account Type	Request I	+ Request Entitlement	End Da
	Instance		24	4/25/2016	Provisioned	Primary	Request		Liiu Da
	OID User OID U		24 NVEMBAN-IN	4/25/2016	Provisioned	Primary		Enable	
	•							Disable	•
FLEX	CUBE_GTC Detail Informa	ition						(2) Refresh	
	Name	FLEXCUBE	_GTC				Ļ	🔅 Resource History	
	Display Name	FLEXCUBE	GTC					Reset Password	
	Туре		-						
		Application	Instance						
	Category								
		FLEXCUBE	_GTC						
			_GTC						

The following screen is displayed.

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

FLEXCUBE_GTC provisioning details for Nandhakumar Vemban[NVEMBAN-IN]							
Results 1-4 of 4 First Previous Next Last							
<u>Fask Name</u>	Task Status	Date Assigned	Assigned To	Retry			
TIMELEVEL Updated	Completed	April 25, 2016	着 System Administrator [XELSYSADM]				
Create User	Completed	April 25, 2016	🖁 System Administrator [XELSYSADM]				
System Validation	Completed	April 25, 2016	🖁 System Administrator [XELSYSADM]				
				Retry			
First Previous Next L	ast						
First Previous Next Last							

6.1.3 Disable/Remove Accounts in FCUBS through OIM

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

Remove Accounts will show the Last Known Status



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

							Self Service	Manag
ome Users x User D	etails : Nandhakuma	×						U A
🄓 Nandhakumar	Vemban							
nt Modify Vena	able 🔵 Disab	le 🗙 Delete	🔒 Lock Acco	unt 👩 Unl	ock Account	Reset Passv	rord	
Attributes Roles Entit	lements Accounts	Direct Reports	Organizations Ac	min Roles				
Actions 👻 View 👻	+ Request Accour	its 🧪 Modify Acc	counts 🧪 Modify	Grant Duration	🗙 Remove Account	s 🖉 Make	Primary	» »
Application Instance	Resource	Account Name	Provisioned On	Status	Account Type	Request I	+ Request Entitlement	t End Da
FLEXCUBE_GTC	FLEXCUBE_GTC	24	4/25/2016	Provisioned	Primary		✓ Enable	
OID User	OID User	NVEMBAN-IN	4/25/2016	Provisioned	Primary			
•							Disable	Þ
FLEXCUBE_GTC Detai	il Information					1	() Refresh	
							Resource History	
	Name FLEXCUE	E GTC					and incoorder motory	
Dicol	ay Name FLEXCUE	E CTC					Reset Password	
Dispi	-	-				_		
	Type Applicatio	ninstance						
0	Category Applicatio	ninstance						
		E GTC						

Disable Confirmation Screen will get displayed

b. Click on Submit.

ome Users x User Details : Nandhakuma x Disable Accounts x	
Disable Accounts	Submit Save As 🔻
▲ Target Users	Request Information
Name	
Nandhakumar Vemban 🕕	
Cart Items	
Display Name	
24@FLEXCUBE_GTC FLEXCUBE_GTC	× 6

Go to Accounts Tab and Click on Refresh.

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



	Details : Nandhakum	a ×						
Nandhakuma	ar Vemban							
🖋 Modify 🔍 E	nable 🔵 Disa	ble 🗙 Delete	🔒 Lock Acco	unt 👩 UnLo	ock Account 🐑	Reset Password		
ributes Roles Er	titlements Account	ts Direct Reports	Organizations Ad	Imin Roles				
Actions 🔻 View 👻	+ Request Accou	nts 🧪 Modify Ac	counts 🧪 Modify	Grant Duration	X Remove Account	s 🖉 Make Primar	y	» »
Application Instance	Resource	Account Name	Provisioned On	Status	Account Type	Request ID	Start Date	End Da
		24	4/25/2016	Disabled	Primary		4/25/2016	
FLEXCUBE_GT	C FLEXCOBE_GIC				Primary		4/25/2016	
FLEXCUBE_GT	OID User	NVEMBAN-IN	4/25/2016	Provisioned	(filling)			
_	-	NVEMBAN-IN	4/25/2016 III		, may			Þ
OID User	-	NVEMBAN-IN			, initially			•

6.1.4 Enabling a Disabled user in FCUBS through OIM

Accounts>>Select FLEXCUBE_GTC >>Click on Enable

me Users 🗙	User Detai	ls : Nandhakuma	×						
🔓 Nandhak	umar V	emban							
🖋 Modify	🗸 Enable	Disabl	e 🗙 Delete	🔒 Lock Acco	unt 💣 Uni	Lock Account	Reset Pass	word	
			-						
ttributes Roles	Entitlem	ents Accounts	Direct Reports	Organizations Ad	Imin Roles				
Actions - View	• +	Request Accoun	ts 🥒 Modify Acc	counts 🥒 Modify	Grant Duration	🗶 Remove Account	s 🖉 Mak	e Primary	» »
Applicati Instance	on F	lesource	Account Name	Provisioned On	Status	Account Type	Request I	+ Request Entitlement	End D
FLEXCUB	E_GTC F	LEXCUBE_GTC	24	4/25/2016	Disabled	Primary		✓ Enable	
OID User	c	DID User	NVEMBAN-IN	4/25/2016	Provisioned	Primary			
•				m				Disable	
FLEXCUBE GTC	Detail Inf	ormation							
								(2) Refresh	-
								Resource History	
		lame FLEXCUB	E GTC						
	N	ame FLEAGOB	-					Reset Password	

Enable Confirmation Screen will get displayed and Click on Submit

fome Users x User Details : Nandhakuma x Enable Accounts x	Ľ
Enable Accounts	Submit Save As 🔻
◢ Target Users	Request Information
Name	
Nandhakumar Vemban 🚯	
⊿ Cart Items	
Display Name	
24@FLEXCUBE_GTC FLEXCUBE_GTC	× 0

Go to Accounts TAB and Click on Refresh.



a. On successful processing, it will display the FLEXCUBE_GTC status as Enabled.

	Users x User De	tails : Nandhakuma	- ×						
N N	andhakumar	Vemban							
<i></i>	odify of Ena	blo 💭 Dicabl	lo 👻 Doloto		-0.10al	ock Account	Recot Receword		
/ M	odify 🗸 Ena	ble Disabl	le 🗙 Delete	🔒 Lock Acco	ount d'UnL	ock Account 👳) Reset Password	1	
			_						
ttribute	s Roles Entitl	ements Accounts	Direct Reports	Organizations Ad	dmin Roles				
	is 🔻 View 👻 👘	Request Account	ts 🛛 🧪 Modify Ace	counts 🛛 🧪 Modify	Grant Duration	💥 Remove Accoun	ts 🔗 Make Pri	mary	» »
ACTION		- noquoot noocun							
Action	Application Instance	Resource	Account Name	Provisioned On	Status	Account Type	Request ID	Start Date	End Da
Action	Application Instance			Provisioned On 4/25/2016	Status Enabled	Account Type Primary	Request ID	Start Date 4/25/2016	End Da
Action	Application Instance	Resource				,,	Request ID		End Da

6.1.5 Running Reconciliation in OIM

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

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

ORACLE Identity System Administration	Accessibility	Sandboxes	Help	Sign Out	xelsysadm	
Sorganization						
🔯 Role						
Catalog						
System Configuration						
😹 Home Organization Policy						
👼 Self Service Capabilities						
🍓 Lookups						
Et Role Categories						
Big Scheduler						
Se Configuration Properties						
🖕 Import						
Export						
✓ Upgrade						
C Upgrade User Form						
🚳 Upgrade Role Form						
😹 Upgrade Organization Form						

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



ORACLE' Identity System Adminis	stration	Signed in as xelsysadm Help 🤤
Event Hanagement Policies System Ha Scheduler Notification System Configuration Search Scheduled Jobs Advanced Search Actons + View + No search conducted.	Welcome Welcome to Identity System Administration Event Hanagement	
	Policies Image: Search Approval Policies System Management Image: Search Scheduled Jobs Image: Search Hotification Templates Image: Search System Properties	

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

Event Management Policies Syz				
Scheduler Notification System Configure				
Search Scheduled Jobs	Welcome			
startin strictured 5055		to Identity System Administration		1
Advanced Search				
[Event H	inagement		
Actions • View • / 🕒 💥 🛃		Search Reconciliation Events		
Job Name Status Application Instanc Stopped				
Attestation Grace Stopped	- fill			
Automated Retry Stopped	Policies			
Automatically Unio Stopped		Search Approval Policies		
Bulk Load Archival Stopped Bulk Load Post Pro Stopped				
Catalog Synchroni Stopped				
Certification Event Stopped		Management		
DataCollection Sch. Stopped Delayed Delete User Stopped		Search Scheduled Jobs		
Disable,Delete UseStopped		Search Notification Templates		
Enable User After Stopped				
Entitlement Assign Stopped		Search System Properties		
Entitlement List Stopped				
Entitlement Post D. Stopped Evaluate User Polic Stopped				
FLEX_BranchCodeStopped				
FLEX Listano Sch. Stanned				
FLEXCUBE_GTC Stopped				
Get SOD Check Re., Stopped				
Get SOD Check Re Stopped				
Identity Audit Main Stopped				
Identity Audit Sca Stopped				
Initiate Attestation Stopped Issue Audit Messa Stopped				
Job History Archival Stopped				
LDAPSync Posit En Stopped				
LDAPS ync Post En. Stopped LDAPS ync Post En. Stopped				
LOAPSync Post En Stopped				
Non Scheduled Bat. Stopped				
OID Connector Gr Stopped				
OID Connector Gr Stopped				
Welcome Job Details				
Job Details : FLEXCUBE_GT	0			
JOD Details : FLEXCUBE_GI	C			* Indicates required fields
			Apply Run Now	Stop Enable Disable Refresh
			Poppy Realition	Stop Linux Claude Refican
			P	in the job now
				in the job now
Job Information				
		FLEXCUBE_GTC	Periodic	
	Task	FLEXCUBE_GTC	© Cron	
	* Start Date	January 1, 1970 5:30:00 Al 👸 (UTC+05:30) Calcutta - India Time (IT)	Schedule Type 🕐 Single	
	* Retries		No pre-defined schedule	
	Neu les			
Job Periodic Settings				
	Run every			
		days 💌		
Job Status				
	Current Status			
		April 25, 2016 5:35:15 PM IST		
	Last Run End	April 25, 2016 5:35:16 PM IST		
	Next Scheduled Run			
Parameters				
	Connector Name	FLEXCUBE		
	ITResource	FLEXCUBE GTC		



	istration	Signed in as xelaysadm Help
Event Management Policies System M	Innormant	
Scheduler Notification System Configuration	nonogenetik	
Search Scheduled Jobs	Wekome Job Details	x
+	Job Details : FLEXCUBE_GTC	
Advanced Search	JUD DECAILS I FLEACUDE_UTC	* Indicates required fields. Apply Run Now Stop Enable Disable Refresh
Actions + View + 🧷 🔮 💥 🛃		
Job Name Status		
Application Instanc Stopped	Job Information	
Attestation Grace Stopped	Job Name FLEXCLIBE_GTC	Periodic
Automated Retry Stopped	Task FLEXCUBE_GTC	C Cron
Automatically Unio Stopped	* Start Date January 1, 1970 5:30:00 Al 🙆 (UTC+05:30) Calcutta - India Time (IT)	Schedule Type O Single
Bulk Load Archival Stopped	*Retries 0	No pre-defined schedule
Bulk Load Post Pro Stopped Catalog Synchroni Stopped	- kettes 0	
Catalog synchron Stopped Certification Event Stopped	Job Periodic Settings	
DataColection Sch., Stopped		
Delayed Delete User Stopped	Run every 1	
Disable/Delete Use Stopped	days 💌	
Enable User After Stopped		
Entitlement Assign Stopped	Job Status	
Entitlement List Stopped	Current Status Stopped	
Entitlement Post D., Stopped	Last Run Start April 25, 2016 5:35:15 PM IST	
Evaluate User Polic Stopped	Last Run End April 25, 2016 5:35: 16 PM IST	
FLEX BranchCode Stopped	Next Scheduled Run	
FLEX_UsrLang_Sch Stopped		
FLEXCUBE_GTC Stopped	Parameters	
Form Upgrade Job Stopped	Connector Name FLEXCUBE	
Get SOD Check Re., Stopped		
Get SOD Check Re Stopped	ITResource [FLEXCUBE_GTC	
Identity Audit Main Stopped	Job History	
Identity Audit Sca Stopped	Job History	
Initiate Attestation Stopped		
Issue Audit Messa Stopped	Actions - Wew - Show error details	
Job History Archival Stopped	ante better better	
LDAPSync Post En Stopped	April 25, 2016 5:3 April 25, 2016 5:3 Stopped Success	
I DAPSure Part En Strengel		

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

ORACLE' Identity System Admini	stration	Sgned in as xelaystadin Heb 🗲
Event Management Policies System H	anagement	
Search Reconciliation Events	Wekome Job Details Event Details: ID 1	8
Advanced Search	Refiedh	
Actors • View • • • • • • • • • • • • • • • • • • •	Event Event ID 1	Date and Time April 25, 2015 5:35:16 PM IST
	Current Satus Update Succeeded Binity Account Type Changelog	event and inter years and annumerical both 70,14 Resource Name REDUE_CIC Profetience REDUE_CIC
	Key Fields INVEMEANIN Action Date: Action Date not specified	Modifier ID Internal User Retry Count 5
	Linked To Linked Line MEMBAN - Nandhalamar Yenban Linked Account ID: 24 Account Operption 24	Linited By Rule Based Uning
	Notes	
	Reconcilation Data Hatched Accounts Hatched Users History	
	Attribute Name Attribute Value ODM Mapped Field TR Resource2 S TT Resource2 USSRVMVE Nandhakumar V USSRVMVE	
	STARTDATE April 8, 2016 120 STARTDATE USERID NYEMBANIN USERID HOMEBRANCH 000 HOMEBRANCH	
	USERLANGJAGE ENG USERLANGJAGE TIMELEVEL 8 TIMELEVEL	

In the Event details screen

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



ORACLE' Identity System Adminis	tration					Signed in as xelsysadm	Help (
Event Management Policies System Ma	nagement						
Reconciliation	ingement						
							×
Search Reconciliation Events	Welcome Event	Details: ID 1	Job Details	Event Details: ID 21			
•	Reevaluate Event Clos	se Event Ad Hoc L	ink Refresh				
Advanced Search							
	Event						
Actions 🔻 View 👻 🔍 🎇		Event ID 21			Date and Time August 26, 2014 3:02:46 PM IS	т	
Event ID	Curre	nt Status No User M	atch Found		Job ID 4448		
FLEXCUBE_GTC VKUMAR		Entity Account			Resource Name FLEXCUBE GTC		
1 FLEXCUBE_GTC ANDY12		Type Changelog			Profile Name FLEXCUBE_GTC		
		ey Fields VKUMAR			Modifier ID Internal User		
	Ac	tion Date Action Dat	e not specified		Retry Count 5		
	Linked To						
	10	ked User Not linked	to any user		Linked By		
			to any dati		clined by		
	Account D						
	Notes						
	notes	Notes					
		Notes					
	Reconciliation Da	ta Matched /	Accounts	Matched Users History	Y		
	View -						
	Attribute Name IT Resource2	Attribute Value	OIM Mapped Fie IT Resource2	eid			
	USERLANGUAGE	4 ENG	USERLANGUAGE	E	Lists all event data		
	USERNAME	Anand R	USERNAME	-			
	TIMELEVEL	9	TIMELEVEL				
	HOMEBRANCH	FMG	HOMEBRANCH				
	STARTDATE	April 8, 2014 12:0					
	USERID	VKUMAR	USERID				



7. Reference

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



8. Appendix

8.1 Data Source Creation

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

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

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

ORACLE WebLogic Server [®] 11g Administration Console		
		Welcome
second large large large large second	Log in to work with the	WebLogic Server domain
	Username:	weblogic
	Password:	Login
		Logi
WebLogic Server Version: 10.3.5.0		
Copyright © 1996 2010, Oracle and/or to affiliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.		



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

Change Center		🔒 Home Log Out Preferences	Record Help		Q	Welcome, weblogic Connected to: IDME
View changes and restarts		Home >Summary of JDBC Data	Sources			
Click the Lock & Edit button to modify, add or	s	summary of JDBC Data Sourc	es			
delete items in this domain.		Configuration Monitoring				
Lock & Edit						
Release Configuration		A JDBC data source is an object borrow a database connection		at provides da	tabase connectivity through a pool of JDBC	connections. Applications can look up a data source on the JNDI tree and then
Domain Structure		This page summarizes the JDBC	data source objects that h	ave been crea	ted in this domain	
DMDomain ÷-Environment	<u> </u>	This page summarizes the solo	, data source objects that he	ave been crea	ted in ans domain.	
Deployments		Customize this table				
E-Services		Customize this table				
Messaging Data Sources	=	Data Sources (Filtered - Mo	re Columns Exist)			
Persistent Stores		Click the Lock & Edit button in	the Change Center to active	ate all the but	tons on this page.	
Foreign JNDI Providers Work Contexts		New				Showing 1 to 10 of 19 Previous N
XML Registries						
XML Entity Caches 		🔲 Name 🗞	Ту	pe	JNDI Name	Targets
Mail Sessions		EDNDataSource	Gen	neric	jdbc/EDNDataSource	soa_server 1
File T3	-	EDNLocalTxDataSource	Gen	neric	jdbc/EDNLocalTxDataSource	soa_server1
How do I	=	fcjDevDS	Gen	neric	jdbc/fcjDevDS	Applications
Create JDBC generic data sources		fcjdevDS11	Gen	neric	jdbc/fcjdevDS11	Applications
Create JDBC GridLink data sources		fcjdevDS120	Gen	neric	jdbc/fcjdevDS120	Applications
 Create JDBC multi data sources 		FCUBS	Gen	neric	jdbc/fcjdevDS	AdminServer, Applications
 Delete JDBC data sources 		FCUBS120_XA	Gen	neric	jdbc/fcjdevDS120_XA	Applications
 Delete JDBC multi data sources 		FCUBSScheduler	Gen	neric	jdbc/fcjSchedulerDS	Applications
System Status		jdbc/registryDS	Gen	neric	jdbc/registryDS	wls_ods1, wls_oif1, osr_server1
		mds-oim	Gen	neric	jdbc/mds/MDS_REPOS	oim_server1
Health of Running Servers		New - Delete				Showing 1 to 10 of 19 Previous
Failed (0)						
Critical (0)						
Overloaded (0) Warning (0)						
OK (5)						
0.(0)						
WebLogic Server Version: 10.3.5.0						

5. Click on Lock & Edit as shown below.

nge Center		🚹 Home Log Out Preferences 🔤 Record	d Help	Q	Welcome, weblogic Connected to: IDMDon
v changes and restarts	1.1	Home >Summary of JDBC Data Sources			
the Lock & Edit button to modify, add or		Summary of JDBC Data Sources			
te items in this domain.		Configuration Monitoring			
Lock & Edit		comgaration montoring			
Release Configuration					
Thouse comgarator		A JDBC data source is an object bound to borrow a database connection from a data		s database connectivity through a pool of JDBC o	connections. Applications can look up a data source on the JNDI tree and then
ain Structure					
omain		This page summarizes the JDBC data source	e objects that have been	created in this domain.	
nvironment					
eployments		Customize this table			
ervices Messaging					
-Data Sources	=	Data Sources (Filtered - More Column	ns Exist)		
Persistent Stores		Click the Lock & Edit button in the Change	e Center to activate all the	buttons on this page.	
Foreign JNDI Providers					
Work Contexts XML Registries		New v Delete			Showing 1 to 10 of 19 Previous Next
XML Entity Caches		🔲 Name 🗇	Туре	JNDI Name	Targets
jCOM		EDNDataSource	Generic	idbc/EDNDataSource	soa_server 1
Mail Sessions	-	EDNLocalTxDataSource	Generic	idbc/EDNLocalTxDataSource	soa_server1
do I		fciDevDS	Generic	jdbc/fcjDevDS	Applications
		fcjdevDS11	Generic	jdbc/fcjdevDS11	Applications
eate JDBC generic data sources eate JDBC GridLink data sources		fcjdevDS120	Generic	jdbc/fcjdevDS120	Applications
eate JDBC multi data sources		FCUBS	Generic	idbc/fcidevDS	AdminServer, Applications
elete JDBC data sources		FCUBS120 XA	Generic	idbc/fcidevDS120 XA	Applications
elete JDBC multi data sources		FCUBSScheduler	Generic	jdbc/fcjSchedulerDS	Applications
	51	jdbc/registryDS	Generic	jdbc/registryDS	wls_ods1, wls_oif1, osr_server1
		mds-oim	Generic	jdbc/mds/MDS_REPOS	oim_server1
th of Running Servers		New - Delete	I		Showing 1 to 10 of 19 Previous Next
Failed (0)					Showing to 19 of 19 freedom increase
Critical (0)					
Overloaded (0)	1				
Warning (0)					
OK (5)					



6. Expand New and click on Generic Data Source.

Change Center	Home Log Out Preferences	Necord Help	Q	Welcome, weblogic Connected to: IDMDom				
View changes and restarts	Home >Summary of JDBC Data S	Home > Summary of JDBC Data Sources						
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Summary of JDBC Data Source Configuration Monitoring	5						
Lock & Edit								
Release Configuration	A JDBC data source is an object borrow a database connection fi		les database connectivity through a pool of JDBC	connections. Applications can look up a data source on the JNDI tree and then				
Domain Structure	This page summarizes the JDBC	data source objects that have bee	n created in this domain.					
DMDomain	*							
Environment	Customize this table							
Deployments E-Services								
Messaging	Data Sources (Filtered - Mor	e Columns Exist)						
Data Sources Persistent Stores	E New V Delete			Showing 1 to 10 of 19 Previous Next				
Foreign JNDI Providers	Generic Data Source	Туре	JNDI Name	Targets				
Work Contexts	GridLink Data Source	Generic	jdbc/EDNDataSource	soa server1				
XML Registries XML Entity Caches	Multi Data Source	Generic	jdbc/EDNLocalTxDataSource	soa_server1				
jCOM	fcjDevDS	Generic	idbc/fciDevDS	Applications				
Mail Sessions	fcjdevDS11	Generic	jdbc/fcjdevDS11	Applications				
	E fcjdevDS120		jdbc/fcjdevDS11 idbc/fcidevDS120					
		Generic		Applications				
 Create JDBC generic data sources 	FCUBS	Generic	jdbc/fcjdevDS	AdminServer, Applications				
 Create JDBC GridLink data sources 	FCUBS120_XA	Generic	jdbc/fcjdevDS120_XA	Applications				
Create JDBC multi data sources	FCUBSScheduler	Generic	jdbc/fcjSchedulerDS	Applications				
Delete JDBC data sources Delete IDBC multi data sources	jdbc/registryDS	Generic	jdbc/registryDS	wls_ods1, wls_oif1, osr_server1				
Delete JDBC multi data sources	mds-oim	Generic	jdbc/mds/MDS_REPOS	oim_server1				
System Status	□ New ~ Delete			Showing 1 to 10 of 19 Previous Next				
-,								
Health of Running Servers								
Failed (0)								
Critical (0)								
Overloaded (0)								
Warning (0)								
OK (5)								
WebLogic Server Version: 10.3.5.0								

The following screen will get displayed.

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

For example value of the key FCUBS_CON_POOLNAME is OIM then:

Name OIM

JNDI Name jdbc/OIM

Database Type Oracle



	dministration Console		Q
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: IDMDomain
View changes and restarts	Home >Summary of JDBC Data Sources		
No pending changes exist. Click the Release Configuration buttion to allow others to edit the domain. Lock & Edit Release Configuration	Create a New 208C Data Source Back Net Finith Cancel JDBC Data Source Properties The following properties will be used to identify your net * Indicates required fields	ev JDBC data source.	
IDMDomain B-Environment -Deployments Services B-Messacing	What would you like to name your new JDBC data source deal * Name: OIM		
Obta Sources Persistent Stores -Poreign JNDI Providers -Work Contexts -Wolk Registries -W	What 가진I name would you like to assign to your new JD ④ JNDI Name: 그 gbrc/OIM	38C Data Source?	
How do I Create JDBC generic data sources			
Create LUR-enabled JDBC data sources	What database type would you like to select?		
	Database Type: Oracl	cle 🔹	
System Status Health of Running Servers	Back Finish Cancel		
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (5)			
WebLogic Server Version: 10,3.5.0 Copyright © 1996,2010, Oracle and/or its affiliates. All i Oracle is a registered trademark of Oracle Corporation	ights reserved. and/or its affiliates. Other names may be trademarks of their resp	pective owners.	

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

	Administration Console	Ŏ
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: IDMDomain
View changes and restarts	Home >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC Data Source Back Net Frish Cancel JDBC Data Source Properties The following properties will be used to identify your new JDBC data source.	
Domain Structure IDMDomain	Database Type: Orade	
B: Environment Impolyments D-Services B: Messaging Impolyments Impo	What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Orade WebLog Database Driver: *Oracle's Driver (Thin) for Instance connections; Versions:9.0.1 and later Back Finish Cancel	ic Server.
XML Registries XML Entity Caches 		
Create JDBC generic data sources Greate LLR-enabled JDBC data sources		
System Status Health of Running Servers		
Featm of kunning servers Falet(0) Critical (0) Overloaded (0) Warning (0) CK (5)		
WebLogic Server Version: 10.3.5.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	Il rights reserved. on and/or its affiliates. Other names may be trademarks of their respective owners.	

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



		0
URACLE WebLogic Server		
Change Center	A Home Log Out Preferences Record Help Welcome, weblogic Connected	to: IDMDomain
View changes and restarts	Home >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a Hew JDBC Data Source Back Ned Frinh Cancel Transaction Options You have selected non-XA JDBC driver to create database connection in your new data source.	
Domain Structure IDMDomain B-Environment	Oces this data source support global transactions? If yes, please choose the transaction protocol for this data source.	
Services Services Orderson Orderson Orderson Orderson Orderson Orderson	Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transactions using the Logging Last Resource (LLR) transaction optimization. Re in place of Emulate Two-thase Commit.	ecommended
Work Contexts XML Registries XML Entity Caches 	Select this option if you want to enable non-XA JDBC connections from the data source to emulate participation in global transactions using JTA. Select this option only if your application can heuristic conditions. Emulate Two-Phase Commit	
How do L	Select this option if you want to enable non-X4.JDBC connections from the data source to participate in global transactions using the one-phase commit transaction processing. With this option resources can participate in the global transaction.	ion, no other
Create JDBC generic data sources	One-Phase Commit	
Create LLR-enabled JDBC data sources	Back Ned Fnish Cancel	
System Status		
Health of Running Servers		
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (5)		
WebLogic Server Version: 10.3.5.0 Copyright © 1996.2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	n In girds reserved. on and/or to afflates. Other names may be trademarks of their respective owners.	

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

	Administration Console	Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: IDMDomain
View changes and restarts	Home >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC Data Source Back Ned Printh Cancel Connection Properties Define Connection Properties.	
Domain Structure	What is the name of the database you would like to connect to?	
IDMDomain	Database Name:	
-Services -Messaging	What is the name or IP address of the database server?	
Data Sources E Persistent Stores	Host Name:	
Foreign JNDI Providers Work Contexts XML Registries	What is the port on the database server used to connect to the database?	
XML Entity Caches jCOM Mail Sessions	Port: 1521	
File T3	What database account user name do you want to use to create database connections?	
How do I 🖃	Database User Name:	
Create JDBC generic data sources Create LLR-enabled JDBC data sources	What is the database account password to use to create database connections?	
System Status	Password:	
Health of Running Servers	Confirm Password:	
Failed (0) Critical (0) Overloaded (0) Warning (0)	Back Neat Finish Cancel	
OK (5)		
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The following screen will get displayed. Click on 'Test Configuration'.

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



	Administration Console		Q
Change Center	🏫 Home Log Out Preferences 🔤 Record Help	_ <u>_</u>	Welcome, weblogic Connected to: IDMDomain
View changes and restarts	Home >Summary of JDBC Data Sources		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Messages Connection test succeeded.		
Lock & Edit	Create a New JDBC Data Source		
Release Configuration	Test Configuration Back Next Finish Cancel		
Domain Structure	Test Database Connection		
IDMDomain	Test the database availability and the connection properties you prov	ided.	
Environment Deployments	What is the full package name of JDBC driver class used to create data	base connections in the connection pool?	
-Services -Messaging -Data Sources	(Note that this driver class must be in the classpath of any server to w	hich it is deployed.)	
Persistent Stores Foreign JNDI Providers	Driver Class Name:	oracle.jdbc.OracleDriv	
XML Registries	What is the URL of the database to connect to? The format of the URL	varies by JDBC driver.	
JCOM Mail Sessions	URL:	jdbc:oracle:thin:@10.18	
- File T3	What database account user name do you want to use to create datab	base connections?	
How do I Create JDBC generic data sources	Database User Name:	DAY0114	
Create LLR-enabled JDBC data sources	What is the database account password to use to create database cor	inections?	
System Status	(Note: for secure password management, enter the password in the Pa	assword field instead of the Properties field below)	
Health of Running Servers			
Failed (0)	Password:		
Critical (0) Overloaded (0)	Confirm Password:	•••••	
Warning (0) OK (5)	What are the properties to pass to the JDBC driver when creating data	abase connections?	
	Properties:		
	USEF-DAY0114		
	The set of driver properties whose values are derived at runtime from	the named system property.	

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

	Administration Console			Q				
Change Center	🚹 Home Log Out Preferences 🔤 Record Help	p	Q	Welcome, weblogic Connected to: IDMDomain				
View changes and restarts	Home >Summary of JDBC Data Sources							
Pending changes exist. They must be activated to take effect.	Summary of JDBC Data Sources							
Activate Changes	Configuration Monitoring							
Undo All Changes	A JDBC data source is an object bound to the JN borrow a database connection from a data source		database connectivity through a pool of JDBC connection	s. Applications can look up a data source on the JNDI tree and then				
Domain Structure								
IDMDomain	This page summarizes the JDBC data source obje	ects that have been on	eated in this domain.					
-Environment -Deployments								
El-Services	Customize this table							
E∃-Messaging =	Data Sources (Filtered - More Columns Exi	st)						
Data Sources	New ~ Delete			Showing 1 to 10 of 20 Previous Next				
Foreign JNDI Providers								
Work Contexts	🔲 Name 🐟	Туре	JNDI Name	Targets				
-XML Entity Caches	EDNDataSource	Generic	jdbc/EDNDataSource	soa_server1				
јСОМ	EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1				
Mail Sessions	fcjDevDS	Generic	jdbc/fcjDevDS	Applications				
How do I	fcjdevDS11	Generic	jdbc/fcjdevDS11	Applications				
	fcjdevDS120	Generic	jdbc/fcjdevDS120	Applications				
Create JDBC generic data sources Create JDBC GridLink data sources	FCUBS	Generic	jdbc/fcjdevDS	AdminServer, Applications				
Create JDBC onduink data sources Create JDBC multi data sources	FCUBS120_XA	Generic	jdbc/fcjdevDS120_XA	Applications				
Delete JDBC data sources	FCUBSScheduler	Generic	jdbc/fcjSchedulerDS	Applications				
Delete JDBC multi data sources	jdbc/registryDS	Generic	jdbc/registryDS	wls_ods1, wls_oif1, osr_server1				
	mds-oim	Generic	jdbc/mds/MDS_REPOS	oim_server1				
System Status	New - Delete			Showing 1 to 10 of 20 Previous Next				
Health of Running Servers								
Failed (0)								
Critical (0)								
Overloaded (0)								
Warning (0)								
OK (5)								
WebLogic Server Version: 10.3.5.0								
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