# Oracle Identity Manager Integration Implementation Guide Oracle FLEXCUBE Universal Banking Release 12.4.0.0.0 [May] [2017]



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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 10.1.0.0.0.0.0.

#### Scope

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.

#### Introduction to Oracle Identity Manager

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

#### Advantage

Integrating 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 🛛 🗛 🗙
OIM Server	-	FUSION MIDDLEWARE 118
Welcome         Components to Configure         Database         WebLogic Admin Server         OIM Server         Configuration Summary         Configuration Progress         Configuration Complete	long. Must begin with an alphabe numeric value. Any of these spec	alid passwords should be 6 to 30 characters tic character and should include atleast one ial characters underscore (_), dollar (\$),
		, colon(:), forward slash(/), curly braces({}), tion 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**

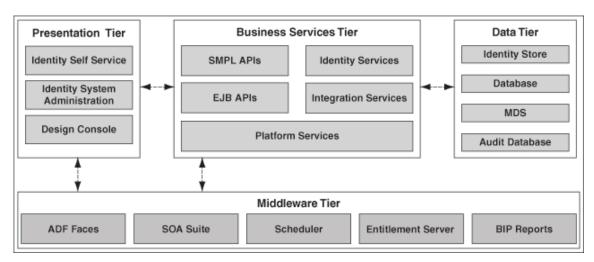


The integration solution strategy of Oracle Identity Manager provides connectors to various heterogeneous identity-aware IT systems. This strategy is designed to minimize custom development, maximize the reuse of code, and reduce deployment time. The tiers of the integration solution are:

- 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.

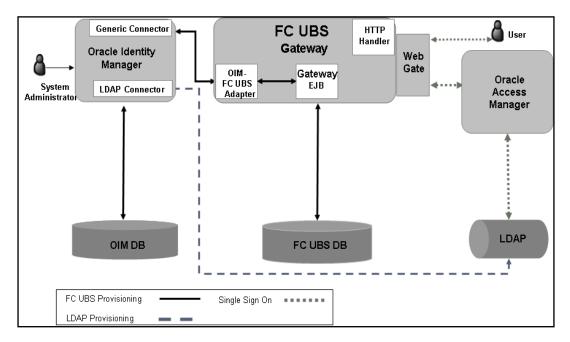
## Design

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.

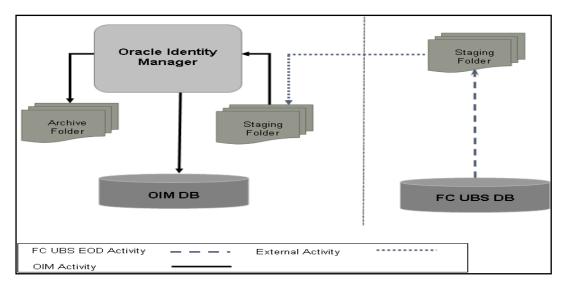
Following two figures illustrate the design aspect of the provisioning and reconciliation process:

# 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.



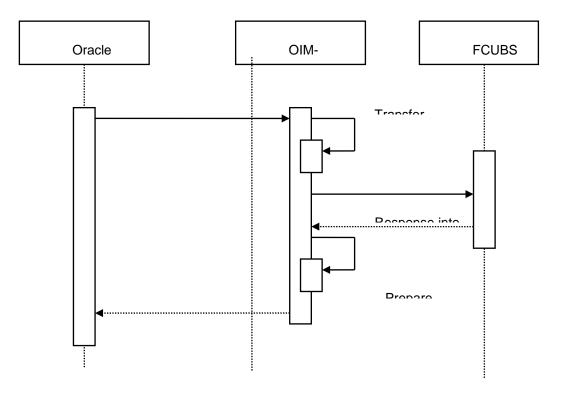
 OIM does not allow ASCII special characters e.g. ampersand, colon, braces etc. Apart from this, OIM also does not allow multiple consecutive occurrences of some of special ASCII character like underscore etc.

# 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.

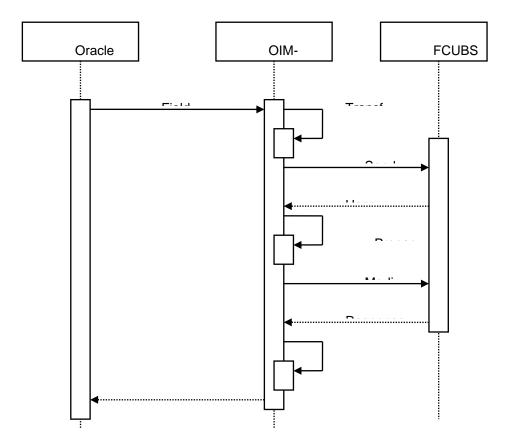
Following gives the sequence of the message exchanges between the adapter and FCUBS Gateway EJB for user provisioning that are initiated from OIM.

# 4.2.4.1 Message exchange sequence for User Creation



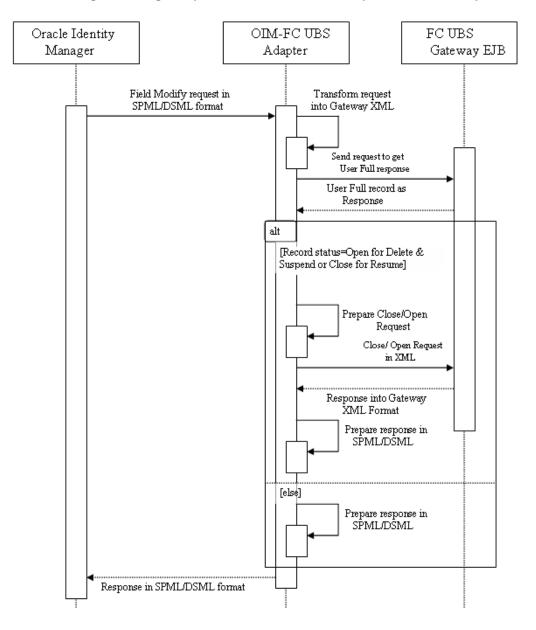


# 4.2.4.2 Message exchange sequence for User Field Modification/Set Password





### 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					Ŏ			
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q			Welcome	weblogic Connected to: oim_domain			
View changes and restarts	Home >Summary of Servers								
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Summary of Servers Configuration Control								
Domain Structure oim, domain Environment - Servers - Ousters - Writual Hosts - Writual Hosts - Writual Hosts - Writual Hosts - Coherence Servers - Coherence Servers - Maritanies - Work Managers	A server is an instance of WebLogic Server that runs This page summarizes each server that has been con C2 Customize this table Servers (Filtered - Hore Columns Exist) New Cone Delete			guration.		Showing 1 to 3 of 3 Previous   Next			
Startup and Shutdown ClassesDeploymentsServices	I Name ↔ Cluster Machine State Health Listen Port								
How do I	AdminServer(admin)			RUNNING	<ul> <li>✓ ок</li> <li>✓ ок</li> </ul>	7001			
Create Managed Servers     Clone Servers	soa_server1			RUNNING	<b>√</b> ОК	8001 Showing 1 to 3 of 3 Previous   Next			
Delete Managed Servers     Delete the Administration Server     Start and stop servers									
System Status									
Health of Running Servers Paide (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.



					_	~	X					~			
Domain Structure	General	Cluster	Services	Keystores	SSL	Federation Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Services		
lam. domain ▲ DE-Environment →-Servers →-Ousters →-Wtual Hosts →-Wtual Hosts →-Wigratable Targets →-Coherence Servers	Save Use this page to configure general features of this server such as default network communications. View JNDI Tree 🖗														
Coherence Clusters Machines	Name:					AdminS	erver			An alphan	numeric 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 Info						
How do L	Cluster:					(Standa	alone)				er, or group of WebLo More Info	ogic Server insta	nces, to which t	his server	
Configure default network connections     Create and configure machines	🖞 Listen Address:						The IP address or DNS name this server connections. More Info					his server uses t	o listen for incor	ning	
Configure dusters     Start and stop servers     Configure WLDF diagnostic volume	☑ Listen Port Enabled										Specifies whether this server can be reached through the default plain-text (non-SSL) listen port. More Info				
System Status	Listen Port:				7001	7001				ult TCP port that this connections. More 1		sten for regular	(non-SSL)		
Health of Running Servers Failed (0)	🗹 SSL Lis	sten Port Ei	nabled								whether the server one Info	can be reached t	hrough the defa	ult SSL listen	
Critical (0) Overloaded (0)	SSL Listen Port:				7002	7002				The TCP/IP port at which this server listens for SSL connection requests. More Info					
Warning (0) OK (3)	図 個 Client Cert Proxy Enabled								Specifies whether the HttpClusterServlet proxies the dient certificate in a special header. More Info						
	Java Com	piler:				java	;				compiler to use for a Java code, More I		sted on this serv	er that need	
	Diagnosti	c Volume:				Low	•			WebLogic does not a	the volume of diagno Server at run time. I affect explicitly confi he volume of events	Note that the WL gured diagnostic	DF diagnostic v modules. For ex	olume setting ample, this	
	— 🖓 Adva	nced —													
	Virtual Ma	achine Nam	ne:			iam_	domain_Adm	inSe			S is running on JRVE, his server More Info		e name of the v	irtual machine	
	🗹 🖑 We	bLogic Plu	g-In Enab	oled						header, w	whether this server u which is recommended	d 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

	Administration C	onsole											Q
Change Center	Home Log C	ut Preferenc	es 📐 Record He	p	G	<b>L</b>					Welcome, w	eblogic Connec	ted to: iam_domain
View changes and restarts	Home >Summar	y of Servers >/	AdminServer										
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for AdminServer												
modify, add or delete items in this domain.	Configuration	Protocols	Logging Debu	Monitoring	Control	Deployments	Services	Security	Notes				
Domain Structure	General Clus	ter Service	s Keystores	SSL Federa	tion Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Services	
iam_domain		ure the secure the security of Cus cus cus Cus	storage and mana of message transmi mo Identity and tom Identity and tom Identity and no Identity and	ssions. Demo Trust Command Custom Tru Java Stand	ine Trust st	trusted certificat	e authorities	(CAs). This	Which	ou view and define va configuration rules sh eystores? More Info	ould be used for		
Set up SSL													
System Status													
Health of Running Servers													
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (3)													
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		ther names may	y be trademarks of th	eir respective o	vners.								



#### 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>.
- 7. Click on Save.

ORACLE WebLogic Server®	Administratio	n Conso	ole												Õ
Change Center	Home Lo	og Out Pi	references	Record	Help		G	<b>k</b>					Welcome, w	reblogic	Connected to: iam_domain
View changes and restarts	Home >Sum	mary of S	iervers >Ad	lminServer											
Configuration editing is enabled. Future	Settings for AdminServer														
changes will automatically be activated as you modify, add or delete items in this domain.	Configurat	tion Pr	otocols	Logging D	ebug I	Monitoring	Control	Deployments	Services	Security	Notes				
Domain Structure	General	Cluster	Services	Keystore	s SSL	Federati	ion Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Se	ervices
iam_domain		nage the :	security of	'message tra			Custom Id	trusted certifica entity and Custo beKeyStore.	m Trust Ch	ange	Which o trust ke	configuration rules sh systores? <b>More Inf</b> i	nould be used for	r finding th	ons. These settings help e server's identity and kcubeKeyStore.jks
How do I     Configure identity and trust	Custom Id	-	-				jks					e of the keystore. G			
Configure literative and trust     Configure keystores     Set up SSL		-		Passphrase eystore Pas					••			crypted custom iden store will be opened			If empty or null, then ore Info
System Status	— Trust —						-		-						
Health of Running Servers Failed (0)	Custom Tr	rust Key	store:				nFlexcu	beKeyStore.		scratch/a		5/oam1115/Bas In and hie name of d			xcubeKeyStore.jks
Critical (0) Overloaded (0)	Custom Tr	rust Key	store Typ	e:			jks				The typ	e of the keystore. G	Generally, this is :	JKS. Mor	e Info
Warning (0) OK (3)	Custom Tr	rust Key:	store Pas	sphrase:			•••••	•••••	••			stom trust keystore's opened without a pa			ull, then the keystore
	Confirm Co Save	ustom T	rust Keys	tore Passpl	hrase:		•••••		••						

### 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.



Change Center	🔒 Home Log Out Preferences 🔤	Record Help			Q					Welcome, web	logic Connected to: iam_dom	
iew changes and restarts	Home >Summary of Servers >AdminSer	ver										
onfiguration editing is enabled. Future	Settings for AdminServer											
nanges will automatically be activated as you odify, add or delete items in this domain.	Configuration Protocols Loggin	g Debug	Monitoring	Control	Deployments	ployments Services		Notes	lotes			
omain Structure	General Cluster Services Key	stores SSL	Federation	Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Services	
n_domain  Environment Servers Custers Virtual Hosts	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	Identity and Trust Locations:     Identity	Key	stores 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 Startup and Shutdown Classes	Private Key Location:	from	n Custom Ident	ity Keysto	re			The keystore attribute that defines the location of the private key file. Mor Info				
-Security Realms	Private Key Alias:	Fle	excubeCert					The keystore attribute that defines the string alias used to store and retrieve the server's private key. More Info				
w do I Configure identity and trust Set up SSL	👸 Private Key Passphrase:								store attribute that d private key. More I		hrase used to retrieve the	
Set up SSL Verify host name verification is enabled Configure a custom host name verifier	🥌 Confirm Private Key Passphra	ie: 🚺										
Configure two-way SSL	Certificate Location:	from	n Custom Ident	ity Keysto	re				store attribute that d ite. More Info	lefines the locati	on of the trusted	
stem Status 🗉	- Trust											
Failed (0)	Trusted Certificate Authorities:	from	n Custom Trust	Keystore					store attribute that d ties. More Info	lefines the locati	on of the certificate	
Critical (0)	- 🗢 Advanced											
Overloaded (0) Warning (0) OK (2)	👸 Hostname Verification:	Cu BE	one ustom Hostn EA Hostnam					weblogi	s whether to ignore t c.security.SSL.Hostna ent to another applica	meVerifier inter	ace (when this server is acting	
	街 Custom Hostname Verifier:	No	one						ne of the class that in c.security.SSL.Hostna		ace. More Info	
	Export Key Lifespan:	50	0					betweer key. Th	n a domestic server a	nd an exportable ant WebLogic Se	ver can use an exportable key e client before generating a new rver to be, the fewer times the key. More Info	
	Use Server Certs							Sets wh	ether the client shou	ld use the serve	certificates/key as the client	

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.

hange Center	Home Log Out Preferences 🖂	Record Help			Welc	ome, weblogic Connected to: oim_doma
iew changes and restarts	Home >Summary of Servers					
onfiguration 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						
_domain	A server is an instance of WebLogic	Server that runs in its own Java Virtual Machi	ne (JVM) and has its own confi	guration.		
Environment	This page summarizes each server t	that has been configured in the current WebLo	gic Server domain.			
Clusters	<b>5</b>					
Virtual Hosts Migratable Targets						
Coherence Servers	Customize this table					
Coherence Clusters Machines	Servers (Filtered - More Colum	nns Exist)				
Work Managers	New Clone Delete					Showing 1 to 3 of 3 Previous   Next
LStartup and Shutdown Classes						
-Services	T Name 🗞	Cluster	Machine	State	Health	Listen Port
	AdminServer(admin)			RUNNING	🖋 ОК	7001
w do I	oim_server1			RUNNING	🖋 ОК	24000
Create Managed Servers	soa_server1			RUNNING	🖋 ОК	8001
Clone Servers Delete Managed Servers	New Clone Delete					Showing 1 to 3 of 3 Previous   Next
Delete Managed Servers Delete the Administration Server						
Start and stop servers						
stem Status						
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 <u>5.1.1.1.1</u>

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.

OIM Server		FUSION MIDDLEWARE
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:	•••••
	Enable OIM for Suite integrat	on
	long. Must begin with an alphabe numeric value. Any of these spec tilde(~), at(@), hyphen(-), plus(+)	alid passwords should be 6 to 30 characters tic character and should include atleast one ial characters underscore (_), dollar (\$), , colon(2), forward slash(/), curly braces({}), tion mark(?), dot(.), asterisk(*) or pound (#)

#### 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.

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

	nager 11g Fusion Middleware Contr	rol			Set	up → Help → Log Out
📑 Farm 👻 🔒 Topology						
∃ -	🔂 oid1 🕡				Logged in as we	eblogic   Host padsrini-pc
E 🛱 Farm_base_domain	🗵 Oracle Internet Directory 🛩				Page Refreshed Feb 1	5, 2013 4:35:59 PM IST 🗘
🗄 🚞 Application Deployments	Home					
🗉 🚞 WebLogic Domain						
Identity and Access	Monitoring >		Load		Security	
OAM	Control >	) 121	Total LDAP Connections	0	Failed Bind Operations	0
oid1	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
Web Tier	Administration >					
	Security >	Audit Policy				
	Directory Services Manager >	Wallets				
	)					
	General Information				Server Response (ms	)
	40					
	20					
	0					
	-				•	
	6					
	4				Total Operations	
	2					
	0					
	20					
	15				CPU Utilization (%)	
	10				/Farm_base_domain/a	sinst_1/oid1
	5				padsrini-pc	
	0				•	
	100					
	60				Memory Utilization (%)	
	40				/Farm_base_domain/a	sinst_1/oid1
	20					
	16:22 16:23 16 February 15 2013	6:24 16:25 16:26 16:2	27 16:28 16:29 16:30	16:31 16:32 16:33 16	:34 16:35 16:36	
	February 15 2013					Table View



5.1.3.2 Click on Create Self-Signed Wallet.

	anager 11g Fusion Middleware Control	Setup ▾ Help ▾ Log Out
👫 Farm 👻 💑 Topology		
Farm_base_domain     Application Deployments		Logged in as weblogic Host padsrini-pc Page Refreshed Feb 15, 2013 4:39:54 PM IST
WebLogic Domain     Identity and Access     OAM     OAM     Oad	Wallets A Vialet is a Keystore that stores X.509 certificates and private keys in industry-standard, PKCS #12 format. To create a walet, dick Create. To create a Walet. To manage the contents of a walet, select a walet and dick Manage.	wallet with a self-signed certificate, click Create Self-Signed
OIM	😭 Create   💥 Delete   🎦 Create Self-Signed Wallet   🎂 Import   😭 Export   6ð Manage	
🐼 ovd1 🗈 🫅 Metadata Repositories	Name Auto-login	
Metabata Repositories     Web Tier		
	Fetding Data	



## 5.1.3.3 Enter the Details as below & Click on OK.

	anager 11g Fusion M	iddleware Control Setup + Help + Log Out
🙀 Farm 👻 🔒 Topology		
Farm_base_domain     Application Deployments	☆ oid1 ⊙ Image: Oracle Internet Display="block">     Oracle Internet Display="block">     Oracle Internet Display="block"     Oracle Internet Display="block">     Oracle Internet Display="block"     Oracle Internet Display="block">     Oracle Internet Display="block"     Oracle Internet Display="block"	Logged in as weblogic Host padsrini-pc rectory • Page Refreshed Feb 15, 2013 4:40:45 PM IST (2)
B WebLogic Domain Dentity and Access OAM B oddl OIM OIM OVd1	or password-protects PKCS#12 wallet that provide the necessar	ned Wallet OK Cancel 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 tage can be auto-log on of A passwords, if specified, have a minimum length of eight characters, and contain alphabetic characters combined with numeric or special characters. Auto-log in wallet tage on of provides PKI-based access to services and applications without requiring a password at runtime. Auto-log in wallet don't need a password to modify, or delete the wallet. File system permissions y security for Auto-log in wallets.
🗄 🚞 Metadata Repositories	Self-Signed Wallet	Details
🗄 🎦 Web Tier	Wallet Password Confirm Password Add Self-Signed Ce	Auto-login
	* Common Name	hostname.in.orade.com
	Organizational Unit	
	Organization	Orade
	City	Chennai
	State	TN
	Country	Inda
	Key Size	2048 💌

# 5.1.3.4 Click on 6d Manage...

	Inager 11g Fusion Middleware Control	Setup ✔ Help ✔ Log Out				
📑 Farm 👻 🔒 Topology						
∃ -	☆ oid1 ₀	Logged in as weblogic Host padsrini-pc				
E Farm_base_domain	📧 Orade Internet Directory 🗸	Page Refreshed Feb 15, 2013 4:44:27 PM IST €2				
😢 🦳 Application Deployments						
🗉 🛅 WebLogic Domain	Wallets					
Identity and Access OAM	A Wallet is a Keystore that stores X.509 certificates and private keys in industry-standard, PKCS #12 format. To Wallet. To manage the contents of a wallet, select a wallet and click Manage.	o create a wallet, click Create. To create a wallet with a self-signed certificate, click Create Self-Signed				
oid1						
OIM	💁 Create   💥 Delete   🎦 Create Self-Signed Wallet   🛃 Import   🏦 Export	6d Manage				
\ominus ovd1	Name	Auto-login				
🗉 🛅 Metadata Repositories	oidselfsigned	✓				
🗷 🚞 Web Tier						

# 5.1.3.5 Select the Trusted Certificate & Click on Export.

	Inager 11g Fusion Middleware Control				Setu	o ় Help ↓ Log Out		
📑 Farm 👻 🔒 Topology								
Farm_base_domain     Application Deployments	<pre></pre>		2013 4:45:58 PM IST Q					
WebLogic Domain     Jentity and Access     OAM     OIM     OIM     OIM     Ovd1	Walets > Manage Certificates Manage Certificates: oidselfsigned To generate a certificate signing request (CSR), click 'Add Certificate Request'. After you create a CSR, send it to your CA who will verify your identity and return the signed certificate. To import the C certificate or trusted cert, click Import. You can only import the CA-signed certificate into the same wallet from which the CSR was generated. Add Certificate Request Joint prort 2 Delete							
🗉 🛅 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 1	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		



## 5.1.3.6 Click Export Trusted Certificate and save the certificate file.

	lanager 11g Fusion Middleware Control		Setu	ip → Help → Log Out
Farm - A Topology				
<ul> <li>■ ▼</li> <li>■ ∰ Farm_base_domain</li> </ul>	<pre>     oid1 ()     E Oracle Internet Directory ▼ </pre>			blogic Host padsrini-pc , 2013 4:45:58 PM ואד לע
Complication Deployments     WebLogic Domain     WebLogic Domain     Ordentty and Access     OAM     OAM     OAM     OOM     OOM     Ovd1	Wallets > Manage Certificates Manage Certificates: oidselfsig To generate a certificate signing request certificate or trusted cert, click Import. Yo & Add Certificate Request	Tursted Certificate The Trusted Certificate The Trusted Certificate with Subject Name CN=paddrini-pc, OU=OFSS, O=Orade, L=Chennal, ST=TN, C=IN is shown below. You can cut and pasts the entire text in the box from BEGIN CERTIFICATE to END CERTIFICATE to the Intended location; or dick "Export Trusted Certificat" to export the certificate to a file. You may want to do their another party	certificate. To import	the CA signed
🗉 🛅 Metadata Repositories	Subject Name	wants to trust your certificate directly.	Start Date	Expiration Date
8 🍙 Web Tier	CH=padstmi-pc, OU=OFS, O=OF CH=padstmi-pc, OU=OFS, O=OF OU=Class 3 Public Primary Certific CH=GTE CyberTrust Global Root, CH=gadstmi-pc, OU=CHSS, O=OF OU=Class 3 Public Primary Certific OU=Class 1 Public Primary Certific	BGCIN CERTIFICATE	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
	8	Export Trusted Certificate Close	]	

# 5.1.3.7 Click on Server Properties.

	anager 11g Fusion Middleware Co	ntrol				Set	up ← Help ← Log Out				
👫 Farm 👻 🔒 Topology											
	<pre>分 oid1 ₀</pre>					Logged in as we	ablogic Host padsrini-pc				
🖃 📲 Farm_base_domain	📧 Oracle Internet Directory 🗸					Page Refreshed Feb 1	5, 2013 4:45:58 PM IST 🗘				
E Application Deployments	Home	<u> </u>									
📧 🚞 WebLogic Domain		_									
Identity and Access	Monitoring	signed									
OAM	Control		quest". After you create a CSR, send it to yo d certificate into the same wallet from which		ty and return the s	gned certificate. To impor	t the CA signed				
iei oid1	Logs	You can only import the CA-signe	ed certificate into the same wallet from which	the CSR was generated.							
OIM	Logs		<b>A A I I</b>								
💿 ovd1	Port Usage	Import The Export	n mport								
🗄 🚞 Metadata Repositories	Administration			Certificate Type	Status Key S	ze Start Date	Expiration Date				
🗉 🚞 Web Tier		Server Properties		Certificate Request	2048						
	Security	Shared Properties		Certificate	Valid 2048	February 15, 2013	February 14, 2018				
	Directory Services Manager		", C=US	Trusted Certificate	Valid 1024	January 29, 1996	August 2, 2028				
		Replication Management	Inc.", O=GTE Corporation, C=US	Trusted Certificate	Valid 1024	August 13, 1998	August 14, 2018				
	General Information	Tuning and Sizing		Trusted Certificate	Valid 2048						
		ertification Authority, O="VeriSign, I		Trusted Certificate	Valid 1024	January 29, 1996	August 2, 2028				
	OU=Class 1 Public Primary C	ertification Authority, O="VeriSign, Inc.", C=US Trust			Valid 1024	January 29, 1996	January 8, 2020				

# 5.1.3.8 Click on Change SSL Settings.

	anager 11g Fusion Middleware Control	Setup → Help → Log Out
Farm 👻 🔒 Topology		
□ -	🗘 oid1 💿	Logged in as weblogic   Host padsrini-pc
E Earm_base_domain	😰 Orade Internet Directory 🗸	Page Refreshed Feb 15, 2013 4:54:17 PM IST 🖏
Application Deployments     Deployment     Deployment		
Identity and Access	Server Properties	Apply Revert
OAM	General Performance SASL Statistics Logging	
DE oid1	Server Mode Read / Write	
OIM	* Maximum number of entries to be returned by a search 10000	
💿 ovd1 🗄 🫅 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	



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

	anager 11g Fusion Middleware Con	rol	Setup ✔ Help ✔ Log Out			
🚟 Farm 👻 🔒 Topology						
<b>-</b>	☆ oid1 ₀		Logged in as weblogic   Host padsrini-pc			
E 📑 Farm_base_domain	🖭 Oracle Internet Directory 🕶		Page Refreshed Feb 15, 2013 4:55:50 PM IST 🗘			
Application Deployments     Deployment     WebLogic Domain	(i) Information					
Identity and Access		uire a server restart to take effect.				
OAM     EE oid1     OIM     ovd1	SSL Configuration (?)	OK Cancel				
Metadata Repositories		elfsigned elfsigned to required for no-auth mode but is needed in other modes.				
🗄 🧰 Web Tier	Advanced SSL Sector		iner modes.			
	Server SSL properties	yə				
	SSL Authentication	Server Authentication				
		Ali				
	Cipher Suite	VSSL_RSA_WITH_RC4_128_MD5            VSSL_RSA_WITH_RC4_128_SHA            VSSL_RSA_WITH_30ES_EDE_CBC_SHA            VSSL_RSA_WITH_128_CBC_SHA            VITLS_RSA_WITH_AES_128_CBC_SHA         +				
	* SSL Protocol Version	All				

#### 5.1.3.10 Click on Apply.

	lanager 11g Fusion Middleware Control	Setup → Help → Log Out
👫 Farm 👻 🔒 Topology		
∃ -	☆ oid1 ⊙	Logged in as weblogic   Host padsrini-pc
B 📴 Farm_base_domain	Oracle Internet Directory	Page Refreshed Feb 15, 2013 4:56:40 PM IST 🗘
Application Deployments		
🗉 🚞 WebLogic Domain	(i) Information	×
CAM	SSL configuration updated for /Farm_base_domain/asinst_1/oid1. Restart component for this change to be effective.	
eid1 OIM	Server Properties	Apply Revert
🐼 ovd1	General Performance SASL Statistics Logging	
🖭 🚞 Metadata Repositories		
🗉 🚞 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 Strange SSL Settings	
	•	

#### 5.1.3.11 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: IOIM 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.xml**. This XML file shall have a similar section as the one shown below (Change the values given in bold)

<resource-ref>

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

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



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

</resource-ref>

<env-entry>

<description>Property File Path</description>

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

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

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

</env-entry>

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

**Edit Property File Path**: Give the absolute path for lookup\_prop.xml as env-entry-value. Ideally, this file is residing in < SPMLADAPTER\_INSTALL\_DIR>\OIM\FCUBSLOVAdService\config.

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

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

**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.xmI**. 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)

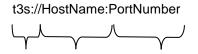


Edit GW\_EJB\_JNDI\_NAME: Give the Gateway EJB JNDI name.

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:





**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="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/"/></a>
```



**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

- 5.1.4.2.1 Login to Administrative Console
- 5.1.4.2.2 Enter Weblogic administrator username/password and press Login.

ORACLE WebLogic Server® 11g Administration Console		
		Welcome
	Log in to work with th	e WebLogic Server domain
	Username:	weblogic
	Password:	•••••
		Login
WebLogic Server Version: 10.3.5.0 Copyright § 1595, 2011, Onace and/or its affiliates. All rights reserved. Oracle is a registed trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.		

5.1.4.2.3 Click on Deployments as shown in below screen.

ystem Status     -     Startup And Shutdown Classes     -     -     -     -     Charts and Graphs       ystem Status     -     -     -     -     -     Charts and Graphs       iealth of Running Servers     -     -     -     -     Mal Sessons       -     -     -     -     -     -       Failed (iv)     -     -     -     -	Home Log Out Prefe	rences 🔤 Record Help	Q	Welcome, weblogic Connected to: oim_doma
hange will attomationally be activated as you doing addrowed between in this domain. Thermation and Resources Helpful Tools Configue applications Configue	d restarts Home >Summary of Dep	loyments		
oradin Structure       - Information and Resources         omain Structure       - Configure applications       - Common Administration Task Descriptions         - Configure applications       - Configure applications       - Read the documentation         - Services       - Read the documentation       - Ask a question on My Orade Support         - Demain Configure applications       - Configure applications       - Configure applications         - Services       - Configure applications       - Configure applications         - Domain Configurations       - Configure applications       - Configure applications         - Domain Configurations       - Services       - Interoperability         - Domain       - Messaging       - WICS Servers         - Domain       - Messaging       - WICS Servers         - Services       - Services       - Services         - Environment       - Servers       - Services         - Servers       - Services       - Messaging         - Use the configuration       - Messaging       - WICS Servers         - Servers       - Servers       - Services         - Conterret       - Servers       - Path Services         - Conterret       - Servers       - Dotals Sources         - Use the configuration       - Wick Servers				
condigue applications       - Configue applications         - Configue applications       - Configue applications         - Configue applications       - Read the documentation         - Security Realms       - Orade Enterprise Manager         - Domain       - Services         - Services       - Services         - Domain       - Services         - Services       - Services         - Services       - Services         - Outers       - Services         - Services       -		sources		
	e Helpful Tools		General Information	
Services       - Recent Task Status       - Ack a question on My Orade Support         Services       - Orade Enterprise Mnager       - Orade Guardian Overview         - Domain       - Orade Enterprise Mnager       - Orade Enterprise Mnager         - Domain       - Domain Configurations       - Nessaging         - Domain       - Messaging       - WTC Servers         - Domain       - Messaging       - WTC Servers         - Servers       - Servers       - Servers         - Custers       - Messaging       - Messaging         - Servers       - Servers       - Servers         - Servers       - Servers       - Servers         - Custers       - Models       - Diagnostics         - Mange Console center       - MyL Registries       - Log Files         - Monge Console extensions       - Work Registries       - Context         - Manageers       - Servers       - Servers       - Servers	<ul> <li>Configure applications</li> </ul>		<ul> <li>Common Administration Task Descriptions</li> </ul>	
Berview     Image: Construction     Description       Security Reading     - Set your consolor preferences     - Oracle Enterprise Manager       - Domain     Configurations       - Domain     - Messagring       - Domain     - Services       Environment     - Services       - Services     - Modeler       - Missagring     - Missagring       - With al Hosts     - Services       - Oracle Conter     - Missagring       - Services     - Messagring       - Missagring     - Missagring       - Services     - Messagring       - Services     - Source conf. Forward Agents       - Services     - Missagring       - Services     - Missagring       - Missagring     - Missagring       - Services     - Bidges       - Services     - Diagnostic Modules       - Contert consolor extensions     - Missagring       - Montheres     - Work Managers       - Contert     - Services       - Made Gono     - Services       - Manageros     - Missagring       - Work Manager	<ul> <li>Configure GridLink for</li> </ul>	RAC Data Source	<ul> <li>Read the documentation</li> </ul>	
-Security Realms - Security Realms - Drade Enterprise Manager - Domain Configurations - Domain - Domain Configurations - Domain - Messaging - Messaging - Messaging - Messaging - Messaging - Messaging - Messaging - Messaging - Messaging - Servers - JMS Servers - JMS Servers - JMS Servers - JMS Servers - JMS Modules - JMS Modules - JMS Modules - Diagnostics - Diagnostics - Diagnostics - Diagnostic Images - Diagnostic Images - Diagnostic Images - Diagnostic Images - Coherence Servers - Mult Registines - Mult Registines	<ul> <li>Recent Task Status</li> </ul>		<ul> <li>Ask a question on My Oracle Support</li> </ul>	
Interoperability     Domain Configurations     Domain Configuration     Domain Configuration     Servers     Server	<ul> <li>Set your console prefet</li> </ul>	erences	<ul> <li>Orade Guardian Overview</li> </ul>	
- Domain Configurations     Services     Interoperability       Domain     - Messaging     - WTC Servers       Environment     - Messaging     - Messaging       is Servers     - Messaging     - Messaging       Clusters     - Messaging     - Messaging       - Servers     - Servers     - Data Sources       - Use the Change Center     - Mogetable Targets     - Data Sources       - Coherence Courters     - Mult Registries     - Messaging       - Coherence Courters     - Mult Registries     - Context       - Manage Console extensions     - Moreal Sectores     - Servers       - Manage Console extensions     - Startup And Shutdown Classes     - Sources       - Work Contexts     - Sources     - Sources       - Startup And Shutdown Classes     - Sources     - Montoring Dashbard @       - Startup And Shu	<ul> <li>Oracle Enterprise Many</li> </ul>	ager		
i     i     Domain     i     Witz Servers     Jult Connection Pools       iservers     i     Jult Servers     Jult Connection Pools     Jult Connection Pools       iservers     i     Jult Servers     Jult Connection Pools     Jult Connection Pools       iservers     i     Jult Servers     Jult Connection Pools     Jult Connection Pools       iservers     i     Jult Servers     i     Jult Servers       iservers     i     Data Sources     Diagnostic Images       iservers     i     Data Sources     Diagnostic Images       iservers     i     Jult Firity Caches     i       iservers     i     Startup And Shutdown Classes     i       iservers     i     Jult Pool Servers     i       iservers     i     Jult Pool Servers     i       iservers     i     Jult Pool Servers     i       istrup And Shutdown Classes     i     Jult Pool Servers     i	— Domain Configurati	ons		
bind        instance        ins	Domain		Services	Interoperability
Environment     - Store and Forward Agents       Servers     - Mit Modules       Search the configuration Use the Change Center     - Data Sources       Record WLST Stripts     - Mit Modules       Chernence Servers     - Data Sources       Manage Conside extensions     - Mit Modules       Manage Conside extensions     - Data Sources       Monage Conside extensions     - Mit Modules       Monage Conside extensions     - Data Sources       Monage Conside extensions     - Mit Modules       Monage Conside extensions     - Data Sources       Work Managers     - Mit Modules       Work Managers     - Mit Modules       - Observer Scources     - Mit Modules       - Machines     - Data Sources       - Machines     - Mit Mit Monagers       - Monagers     - Mit	Domain		Messaging	WTC Servers
			<ul> <li>JMS Servers</li> </ul>	<ul> <li>Jolt Connection Pools</li> </ul>
w do L     - Set Ves     - Path Services     - Log Files       Search the configuration     - Virtual Hosts     - Diagnostic Modules       Use the Change Center     - Nortability Targets     - Diadsources     - Diagnostic Modules       Change Console extensions     - Mortability Targets     - Diadsources     - Diagnostic Modules       Monitor servers     - Coherence Evares     - Nort Managers     - Persistent Stores     - Recourt Models       status     - Statup And Shutdown Classes     - Work Contexts     - Coherence Frances     - SMP       work Managers     - Sortup And Shutdown Classes     - SOMP     - Charts and Graphs       Your Deployed Resources     - PileT3     - Nontoring Dashbaard @       Faled (0)     - Tra     - Tra	Environment		<ul> <li>Store-and-Forward Agents</li> </ul>	
Search the configuration     • Usit as as     • Bridges     • Degnostic Modules       Search the configuration     • Writal Hostis     • Data Sources     • Degnostic Modules       List the Change Center     • Moratelic Targets     • Data Sources     • Degnostic Modules       Anage Console preferences     • Ocherence Clusters     • Writal Hostis     • Data Sources     • Request Performance       Morate Center     • Ocherence Clusters     • Writal Hostis     • Writal Hostis     • Coherence Clusters       Morate Center     • Morate Centers     • Work Contess     • Work Contess     • SNMP       Work Managers     • Sources     • SOMP     • Sources       • Startup And Shutdown Classes     • SOM     • Contexts       • Optional Description     • Deployments     • Sources       • Deployments     • Deployments     • Montoring Databoard @	Servers		<ul> <li>JMS Modules</li> </ul>	Diagnostics
Search the configuration     - Migratable Targets     - Data Sources     - Dagorostic Tangets       Use the Charge Center     - Migratable Targets     - Data Sources     - Diagorostic Tangets       Record WLST Scripts     - Coherence Servers     - Persistent Stores     - Recuest Performance       Charge Console preferences     - Migratable Targets     - SML Registrises     - Archives       Manage Console extensions     - Midmage     - SML Registrises     - Context       Monape Console extensions     - Midmage     - SML Point Voiders     - SMLP       Monape Console extensions     - Startup And Shutdown Classes     - Foreign JND Providers     - SMLP       ystem Status     - Startup And Shutdown Classes     - JCOM     - Charts and Graphs       ystem Status     - Deployments     - Mid Targets     - Montoring Dashboard IP       - Failed (W)     - Deployments     - JTA     - Montoring Dashboard IP	Clusters		<ul> <li>Path Services</li> </ul>	Log Files
Use the Change Center     • Migratable Targets     • Data Sources     • Diagnostic Images       Record MLST Sorpts     • Coherence Servers     • Persistent Stores     • Request Performance       Orange Console preferences     • Machangers     • XML Registries     • Ardvies       Monage Console preferences     • Machangers     • XML Registries     • SNMP       work Managers     • YME Firity Cohes     • SNMP       • Startup And Shutdown Classes     • York Contexts     • SNMP       • Startup And Shutdown Classes     • SOM     • Contexts       • Sources     • Sources     • Sources       • Startup And Shutdown Classes     • Sources     • Montoring Dashboard @       • Deployments     • Deployments     • Sites	Virtual Hosts		<ul> <li>Bridges</li> </ul>	Diagnostic Modules
Record WLST Scripts <ul> <li>Coherence Servers</li> <li>Coherence Clusters</li> <li>Machines</li> <li>SML Registris</li> <li>SML Registris<!--</td--><td>Migratable Targets</td><td></td><td>Data Sources</td><td>Diagnostic Images</td></li></ul>	Migratable Targets		Data Sources	Diagnostic Images
Change Console preferences <ul> <li>Coherence Clusters</li> <li>Machines</li> <li>Machines</li> <li>Multiput Status</li> <li>Statup And Shutdown Classes</li> <li< td=""><td>- Cabasanas Samuara</td><td></td><td>Persistent Stores</td><td>Request Performance</td></li<></ul>	- Cabasanas Samuara		Persistent Stores	Request Performance
Marage Console extensions Monitor servers     • Machines     • VML Entity Codes     • Context       • Work Managers     • Sarup And Shutdown Classes     • SMP       • starup And Shutdown Classes     • OWork Contexts     • JOCM       • Vour Deployed Resources     • Mal Sessions     • Montoring Dashbaard @       • Failed (iv)     • Deployments     • Filer3	Cohoronce Chistory		XML Registries	Archives
Monitor servers     Work Managers     Foreign JND Providers     SNMP       vstem Status     -     -     Startup And Shutdown Classes     -       vstem Status     -     -     -     -       iealth of Running Servers     -     Mail Sessions     -     Mail Sessions       -     -     -     -     -     -       Failed (iv)     -     -     -     -     -	Machines		XML Entity Caches	Context
ystem Status     - Startup And Shutdown Classes     - Work Contexts       ipstem Status     - Charts and Graphs       iealth of Running Servers     - Wall Sessions       Failed (W)     - Deployments			Foreign JNDI Providers	SNMP
Your Deployed Resources     Mail Sessions     Montoring Dashboard @       Failed (0)     • Deployments     • FileT 3	Startup And Shutdown	n Classes	Work Contexts	
Your Deployed Resources     Mail Sessions     Monitoring Dashboard @       Failed (0)     • Deployments     • FileT 3			• jCOM	Charts and Graphs
Poployments     Pret 3     JTA	Your Deployed Resour	rces	Mail Sessions	Monitoring Dashboard
Faled (0) JTA	ervers		FileT3	-
			. • JTA	
Critical (0) Your Application's Security Settings	Critical (0) Your Application's Sec	curity Settings		
Overloaded (0)   Security Realms				
Warning (0)				
	UK (2)			



#### 5.1.4.2.4 Click on the Install as shown below.

Change Center	Home Log Out Preferences Record Hep     Welcome, weblogic     Connected to: oim_domail     Home >Summary of Deployments								
View changes and restarts									
Configuration editing is enabled. Future changes will automatically be activated as you									
nodify, add or delete items in this domain.	Cor	ntrol	Monitoring						
omain Structure m_domain B-Environment <mark>Deployments</mark>	(re	edeploy	e displays a list of Java EE applications and stand-alone application modules that have been in edd), or deleted from the domain by first selecting the application name and using the controls a new application or module for deployment to targets in this domain, click the Install button.	stalled to this on this page	domain. Instal	ed applications and modules can	be started, stopped, updated		
l-Services Security Realms I-Interoperability I-Diagnostics		ustom eployn	ize this table nents						
		Install	Update Delete Storv			Showir	ng 1 to 10 of 90 Previous   Next		
	[	<b>N</b>	ame 🌣	State	Health	Туре	Deployment Order		
	[		adf.orade.businesseditor(1.0,11.1.1.2.0)	Active		Library	100		
low do I 🗉	[		eadf.orade.domain(1.0,11.1.1.2.0)	Active		Library	100		
Install an Enterprise application Configure an Enterprise application	[	madf.orade.domain.webapp(1.0,11.1.1.2.0)		Active		Library	100		
Update (redeploy) an Enterprise application Start and stop a deployed Enterprise	[		AqAdapter	Active	🖋 ОК	Resource Adapter	324		
application Monitor the modules of an Enterprise	[		E Cb2bui	Active	🖋 ок	Enterprise Application	313		
application	[		D Composer	Active	≪ок	Enterprise Application	315		
Deploy EJB modules Install a Web application	[		DbAdapter	Active	🖋 ОК	Resource Adapter	322		
ystem Status	[		DE DefaultToDoTaskFlow	Active	🖋 ок	Enterprise Application	314		
ealth of Running Servers			DMS Application (11.1.1.1.0)	Active	≪ок	Web Application	5		
Failed (0)	[	<b>•</b>	B Cem	Active	<b>≪</b> ок	Enterprise Application	400		
Critical (0) Overloaded (0) Warning (0)							ng 1 to 10 of 90 Previous   Next		

5.1.4.2.5 The following screen is displayed.

a. Click on upload your file(s)

	Administration Console				Q
Change Center	Home Log Out Preferences	🗠 Record Help		Q	Welcome, weblogic Connected to: oim_domain
View changes and restarts	Home >Summary of Deployments	>Summary of JDBC D	ata Sources >Summary o	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 Finish Can	cel			
Domain Structure	Locate deployment to inst	all and prepare fo	r deployment		
oim_domain ▲ ⊕-Environment → Deployments ⊖-Services ⊕-Messacing	Select the file path that represe the application directory or file i	ents the application re in the Path field.	oot directory, archive file		ory, or application module descriptor that you want to install. You can also enter the path of file(s) and or confirm that your application contains the required deployment descriptors.
Data Sources	Path:	/scratch/app/	sso1123/wl1036/NM	iddleware/user_projec	ts/domains/oim_domain
Persistent Stores Foreign JNDI Providers Work Contexts	Recently Used Paths: Current Location:	(none)			- , , , , , , , , , , , , , , , , , , ,
XML RegistriesXML Entity Caches	bin config servers soa				
How do I	sysman				
<ul> <li>Start and stop a deployed Enterprise application</li> </ul>	Back Next Finish Can	cel			
Configure an Enterprise application		_			
Create a deployment plan     Target an Enterprise application to a server					
Test the modules in an Enterprise application					
System Status					
Health of Running Servers					
Failed (0) Critical (0)					
Overloaded (0)					
Warning (0) OK (2)					
WebLogic Server Version: 10.3.6.0 Copyright © 1996, 2011, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation		e trademarks of their i	respective owners.		

5.1.4.2.6 Choose the enterprise archive file from the build path:

<SPMLADAPTER\_INSTALL\_DIR>\OIM\FCUBSLOVAdService\build\

a. Click on Next



ORACLE WebLogic Server®	Administration Console				Q
Change Center	🔒 Home Log Out Prefere	nces 점 Record Help		Q	Welcome, weblogic Connected to: oim_domain
View changes and restarts	Home >Summary of Deployr	ments >Summary of JDBC D	ata Sources > <b>Summa</b> r	y of Deployments	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Install Application Assist Back Next Finish	Cancel			
Domain Structure	Upload a Deployment	to the admin server			
oim_domain					
Environment     Deployments     Services	Click the Browse button belo deployment to the Administ		or module on the mad	chine from which you are cu	rrrently browsing. When you have located the file, click the Next button to upload this
-MessagingData SourcesPersistent Stores	Deployment Archive:	dapters\OIM\FCUB	SLOVAdService\b	uild\FCUB <mark>SLOVAdSer</mark>	vice.ear Browse
Foreign JNDI ProvidersWork ContextsXML RegistriesXML Entity Caches	Upload a deployment p A deployment plan is a conf deployment plan archive no	iguration which can supple	ment the descriptors	included in the deployment ory of configuration informa	archive. A deployment will work without a deployment plan, but you can also upload a tion packaged as a .jar file. See related links for additional information about deployment plans.
	Deployment Plan Archive:				Browse
How do I 😑	Back Next Finish	Cancel			
<ul> <li>Start and stop a deployed Enterprise application</li> </ul>					
Configure an Enterprise application					
Create a deployment plan					
Target an Enterprise application to a server					
<ul> <li>Test the modules in an Enterprise application</li> </ul>					
System Status					
Health of Running Servers					
Failed (0)					
Critical (0)					
Overloaded (0)					
Warning (0)					
OK (2)					
UK (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		nay be trademarks of their r	espective owners.		

5.1.4.2.7 Select the enterprises archive file FCUBSLOVAdService.ear

a. Click on Next

	Administration Console					Q
Change Center	🏠 Home Log Out Preferences 🔤 R	ecord Help	٩		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.				1036/NMiddleware/user_projects/domains/o	im_domain/servers/AdminServ	er/upload
Domain Structure	Install Application Assistant					
Domain Structure     Image: Construction of the second of th	the application directory or file in the F Note: Only valid file paths are display Path: /s Recently Used Paths: (n	e application root directo Path field. ed below. If you cannot cratch/app/sso1123, one) ss220223,in.oracle.com	rry, archive file, exploded archive find your deployment files, upload /wl1036/NMiddleware/user_p	drectory, or application module descriptor t your file(s) and/or confirm that your applica- rojects/domains/oim_domain/servers /NMiddleware / user_projects / domains / i	ation contains the required dep s/AdminServer/upload/FCl	loyment descriptors. JBSLOVAdService.¢
<ul> <li>Target an Enterprise application to a server</li> <li>Test the modules in an Enterprise application</li> </ul>						
System Status						
Health of Running Servers						
Faled (0)           Critical (0)           Overloaded (0)           Warring (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		marks of their respective o	owners.			



#### 5.1.4.2.8 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 modify, add or delete items in this domain.	Install Application Assistant Back Next Fristin Cancel						
Domain Structure	Choose targeting style						
oim_domain	Targets are the servers, clusters, and virtual hosts on which this dedownent will run. There are several wavs you can target an application.						
Environment     Deployments	rargets are one servers, custers, and visual nosts on which this deployment will run. There are several ways you can target an application.						
E-Services	Install this deployment as an application						
Data Sources Persistent Stores	The application and its components will be targeted to the same locations. This is the most common usage.						
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 a	all of the targets running their referencing applications.					
јСОМ	Back Next Finish Cancel						
File T3							
How do I							
<ul> <li>Start and stop a deployed Enterprise application</li> </ul>							
Configure an Enterprise application							
Create a deployment plan							
Target an Enterprise application to a server							
Test the modules in an Enterprise application							
System Status							
Health of Running Servers							
Failed (0)							
Critical (0)							
Overloaded (0)							
Warning (0)							
OK (2)							
WebLogic Server Version: 10.3.6.0 Copyright © 1996, 2011, Oracle and/or its affiliates. All Oracle is a renistered trademark of Oracle Corporation	I rights reserved. and/or its sifilates. Other names may be trademarks of their respective owners.						

5.1.4.2.9 The following screen is displayed.

- a. Select the Application Server Instance in which the FCUBSLOVAdService needs to be deployed.
- 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 modify, add or delete items in this domain.	Install Application Assistant           Back         Next         Finish         Cancel	
Domain Structure	Select deployment targets	
oim_domain A B Forvironment B B Services	Select the servers and/or dusters to which you want to deploy this application. (You can reconfigure deployment targets later). Available targets for FCUBSLOVAdService :	
Messaging     Data Sources     Persistent Stores	Servers	
←Foreign JNDI Providers ←Work Contexts ←XML Registries	AdminServer	
XML Entity Caches 	✓ oim_server1	
How do I	soa_server1	
How do I     Start and stop a deployed Enterprise     application	Back Next Finish Cancel	
Configure an Enterprise application		
Create a deployment plan		
Target an Enterprise application to a server     Test the modules in an Enterprise application		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
OK (2)		
WebLogic Server Version: 10.3.6.0 Copyright © 1996, 2011, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation	l rights reserved. and/or is affliates. Other names may be trademarks of their respective owners.	



#### 5.1.4.2.10 The following screen is displayed.

b. Click on Finish.

	Administration Console	Õ
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         Frinah         Cancel	
Domain Structure	Optional Settings	
om_domain ▲ ⊕ Environment → Deployments ⊖ Services ⊕ Hessaging → Data Sources → Persistent Sturces → Persistent Sturces → Foreign JNDI Providers → Work Contexts → Work Contexts → JCAN Registries → JCAN ■	Vou can workfy these settings or accept the defaults  General  What do you want to name this deployment?  Name:  FCUBSLOVAdSenrice  Security  What security What security model do you want to use with this application?  DD Only: Use only roles and policies that are defined in the deployment descriptors.	
How do I	<ul> <li>Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.</li> </ul>	
Start and stop a deployed Enterprise application     Configure an Enterprise application     Create a deployment plan	Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.     Advanced: Use a custom model that you have configured on the realm's configuration page.	
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	Ise the defaults defined by the deployment's targets	
Health of Running Servers Failed (0) Critical (0)	Recommended selection.           O Copy this application onto every target for me	
Overloaded (0)           Warning (0)           OK (2)	During deployment, the files will be copied automatically to the managed servers to which the application is targeted. <ul> <li>I will make the deployment accessible from the following location</li> </ul>	
	Location: /scratch/app/sso1123/wi1036/NMiddleware/user_projects	

#### 5.1.4.2.11 Deploy FCUBSProvisioningAdService

If the **GW\_EJB\_CALL\_TYPE** is set as **REMOTE** in the **ADOIM\_Prop.xml** then follow the same step as above (Section 5.1.4.2.1) to deploy the FCUBSProvisioningAdService web service with following changes

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

#### If the GW\_EJB\_CALL\_TYPE is set as REMOTE in the ADOIM\_Prop.xml, follow the below steps

The following screen is displayed.

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



									-
	Adm	inistra	ation Console						ç
Change Center	6	Hom	e Log Out Preferences 🔤 Record Help	<u> </u>			Welcome, wel	Connected to	: oim_don
View changes and restarts		Home >	Summary of Deployments >Summary of JDBC Data	ta Sources >Summary of Deployments >GWEJB >S	ummary of Deplo	yments >GWE	IB >Summary of JDBC Data Sourc	es >Summary of Dep	loyments
Configuration editing is enabled. Future	Su	ımmai	ry of Deployments						
changes will automatically be activated as you modify, add or delete items in this domain.		Contro	Monitoring						
Domain Structure									
oim domain		This p	age displays a list of Java EE applications and sta	tand-alone application modules that have been in	stalled to this d	omain. Installe	d applications and modules can	be started, stopped,	updated
⊕-Environment		(redep	oloyed), or deleted from the domain by first selec	ecting the application name and using the control	s on this page.				
Deployments		To inst	tall a new application or module for deployment t	to targets in this domain, dick the Install button.					
Services     Hersaging									
Data Sources		Custo	omize this table						
Persistent Stores									
-Foreign JNDI Providers		Deplo	yments						
Work Contexts		Insta	II Update Delete Start ~ Stop ~				Showing	11 to 20 of 92 Prev	ious   Next
ML Entity Caches							-		
сом			Name 🐵		State	Health	Sort table by Type	Deployment Ord	er
Mail Sessions			-						
			emai		Active		Library	100	
How do I 😑			🜓 emas		Active		Library	100	
<ul> <li>Install an Enterprise application</li> </ul>			<pre>mcore</pre>		Active		Library	100	
Configure an Enterprise application			-		ricure			100	
<ul> <li>Update (redeploy) an Enterprise application</li> <li>Start and stop a deployed Enterprise</li> </ul>			FCUBSLOVAdService		Active	🖋 ОК	Enterprise Application	100	
<ul> <li>start and stop a deployed enterprise application</li> </ul>			FileAdapter		Active	🖋 ок	Resource Adapter	321	
Monitor the modules of an Enterprise		<u> </u>	-						
application     Deploy EJB modules			FMW Welcome Page Application (11.1.0	0.0.0)	Active	🖋 ОК	Enterprise Application	5	
Install a Web application			FtpAdapter		Active	🖋 ок	Resource Adapter	325	
			Gwejb		Active	≪ ок	Enterprise Application	100	
System Status		H-							
Health of Running Servers			Modules						
Failed (0)			GW_EJB_Bean.jar				EJB Module		
Critical (0)			E Bs						
Overloaded (0)			GWEJB_GW_EJB_Bean				EJB		
Warning (0)		┣━							
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.

	Administration Console	Q
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	ected to: oim_domain
View changes and restarts	Home >Summary of Deployments >Summary of JDBC Data Sources >Summary of Deployments >GWE3B >SU	y 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 Finish Cancel	
Domain Structure	Optional Settings	
Om_domain     #       Ø-Environment     —       — Opedynments     —       — Ostrokovers     —       — Services     —       — Overstent Stores     —       — Overstent Stores     —       — Overstent Stores     —       — Work Contexts     —       — Wark Exploritions     —       — Work Contexts     —       — Wark Exploritions     —       — Work Sessions     —       — Work do L     —	You can modify these settings or accept the defaults         General         What do you want to name this deployment?         Name:       FCUBSProvisioningAdService         Security         What security model do you want to use with this application?         © DD Only: Use only roles and policies that are defined in the deployment descriptors.         © Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.	
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	(a) Use the defaults defined by the deployment's targets	
Health of Running Servers Failed (0) Critical (0) Overloaded (0)	Recommended selection. Copy this application onto every target for me	
Warning (0)           OK (3)	During deployment, the files will be copied automatically to the managed servers to which the application is targeted. I util 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>

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

name="UserPasswordPrepopulateAdapter">



<metadata name="PrePopulationAdapater">

<value>FlexcubeForm::USERPASSWORD</value>

</metadata>

</plugin>

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

name="EmailPrepopulateAdapter">

<metadata name="PrePopulationAdapater">

<value>FlexcubeForm::EMAIL</value>

</metadata>

</plugin>

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

name="LdapUserPrepopulateAdapter">

<metadata name="PrePopulationAdapater">

<value>FlexcubeForm::LDAPUSR</value>

</metadata>

</plugin>

cplugin pluginclass="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/
- <OIM\_SERVER\_INSTALL\_DIR>/server/plugin\_utility/ant.properties should be changed from

## The installation directory for WLS or WAS #wls.home=@wls\_home #was.home=@was\_home # The OIM server directory for OIM. For example: MW\_HOME/Oracle\_IDM1/server #oim.home@oim\_home #login file name with path for WAS or WLS \*\*\*\*\* #login.config=\${oim.home}/config/authwl.conf #login.config=\${oim.home}/config/authws.conf \*\*\*\*\*\* # Represents the directory where Oracle Fusion Middleware is installed. \*\*\*\*\*\* #mw.home=@mw\_home

#### То



oim.home=<OIM\_INSTALLATION\_DIR>/server/

\*\*\*\*\*

#login file name with path for WAS or WLS

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

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

# Represents the directory where Oracle Fusion Middleware is installed.

mw.home=<Installation\_DIR>/Middleware

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

<OIM\_SERVER\_INSTALL\_DIR>/server/plugins/prepopulateadapter.zip

• Result will be displayed like

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

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

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

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

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

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

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

• Modify the weblogic.properties under < OIM\_SERVER\_INSTALL\_DIR >/server/bin



wls_servername=@servername
application_name=@appname
metadata_from_loc=@metadata_from_loc
to
wls_servername=oim_server1
application_name=OIMMetadata
metadata_from_loc= <adaptersource>/OIM/OIM-Config/PrePopulateAdapter/oim</adaptersource>

- 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)



## 5.1.6.7 Login to Administrative Console

# 5.1.6.8 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				
		Sign In				

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## 5.1.6.9 Click on Import option under System Configuration.

#### 5.1.6.10 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 M	anager - 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
I Add	Select a file fo	r import.		
Substitutions 🔻		-		
🛧 Add	Look in:		- G 🗊 📂 🖽 -	
IT Resources 🔻	(Per	Name	Date modified Type	
🛧 Add	S	🖀 Lookup.xml	4/13/2016 3:51 PM XML Docu	
New Roles 🔻	Recent Places			
♠ Add		۲۰ ۲۲ Fle name: Lookup xml Flea of type: All Files (۲۰۰)	- Open Cancel	Missing Dependencies To Create

## 5.1.6.11 We will get File preview screen

a. Click on Add file.



Deployment Manager - Import

Click Add File to add m	iore files.			
Show Information	Reset	Legend		
Summary		•		
Import Files		•	Current Selections	Objects Removed From Import
🚸 Add			Opployment Manager	
Substitutions		•		
🚸 Add				
IT Resources		•	File Preview	
🚸 Add				
New Roles		•	FlexcubeLookup	
💠 Add			File Name: Lookup.xml	
			Exported By: XELSYSADM	
			Export Date: August 20, 2014 2:54:44 PM	
			Export Litity Version: 2.0.2.1	Missing Dependencies To Create
			Exported From: jdbc:oracletthin:@ofss220246:1521/Oracle11gSSO	
			Cancel «« Back Add File	
				,
			Add File Import	

## 5.1.6.12 Click on Add File

#### Deployment Manager - Import

Click Add File to add more file	es.		
Show Information Res			
Summary Alt: 3 CLOokup: 3 Import Files Lookup.xml Add	• •	Current Selections	Objects Removed From Import
Substitutions	•		
IT Resources			
Add			
New Roles	•		Missing Dependencies To Create
Add			
		Add File Import	

## 5.1.6.13 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 L	egend					
Alt 3	Current Selection	ns <b>I FY TimeLevel a</b> Select a file for	r import.	_	×	Objects Removed From Import
Import Files Lookup.on/ Add Substitutions Add If Resources Add New Roles Add	v v v v					Missing Dependencies To Create
	Add Fie		Constraints of the second	Qpen     Cancel		

5.1.6.14 We will get File preview screen

a. Click on Add file.

Cick Add File to add more files. Stow Hormation Reset Legend Summary V Current Selections Objects Removed From Import Al: 3 Current Selections Cur
Summary     V       At: 3 #ELookup: 3     Current Selections       Import Files     Clokup.FLEX.ImeLevel ()       Lookup.FLEX.Bert.anguage ()     FLEX_Usrt.ang_SchTask ()       Colokup.FCUBS.BranchCode ()     FLEX_Usrt.ang_SchTask ()       Beptoyment Manager     Cookup.FCUBS.BranchCode ()       Substitutions     FLEX_BranchCode_SchTask ()
Alt 3     Objects Removed From Import       Alt 3     Alt 3       Alt 4     Alt 3       Alt 4     Alt 3       Alt 5     Alt 4
Import Files     Import Files     Import Files     Import Files       Substitutions     Import Files     Import Files
Import Files     Import Files     Import Files       Lookup FLEX BranchCode 3     Import Files       X Lookup FLEX BranchCode 3     Import Files       Substitutions     Import Files
Import Files     V       Lookup xml     Lookup FCUBS.BranchCode &       4 Add     FLEX granchCode Schrask &       Substitutions     V
Lookup.xml Add Substitutions
Add      Substitutions      FLEX, BranchCode, SchTask
Substitutions V
Adu. FiexcubeScheduledTasks
New Koles         Tile kind         Dependencies To Create                 Ada               Exprofed by KELSYSADM               Dependencies To Create
Export Date: August 20, 2014 2:53:53 PM
Export Utility Version: 2.0.2.1
Exported From: jdbc:oracletthin:@ofss220246:1521/0racle11gSS0
Cancel << Back Add Fie



## 5.1.6.15 Click on Import.

	Deployment Manager -	Import
Add File to add more files.		
how Information Reset Legend		
Summary V	Current Selections	Objects Removed From Import
bolo: 2	Lookup.FLEX.TimeLevel      App     FLEX_UsrLang_SchTask      App	- Z Lookup.FCUBS.TimeLevel 🖉
Lookup: 3	FLEX_UsrLang_SchTask      App     Dir FLEX_UsrLang_SchTask	- Lookup.FCUBS.BranchCode and America
Scheduled Task: 2	Clookup.FLEX.BranchCode	- Lookup.rcobs.oserLanguage
	Cookdp.FLEX.BranchCode_SchTask	
Import Files 🗸 👻	FLEX_BranchCode_SchTask	
SchTask.xml	A Lookup.FLEX.UserLanguage	
Lookup.xml		
Add		
Substitutions		
- Add		Missing Dependencies To Create
IT Resources 🔹 🔻		
Add		
New Roles 🔹 🔻		
🛧 Add		
	Add File Import	



# Above will prompt for Import Confirmation

a. Click on Import to start import.

Deployment Manager - Import

Click Add File to add more files.
Show Information Reset Legend
Store identication       V         AI: 7



## 5.1.6.17 On successful import following screen will come.

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

Click Add File to add more files.		
Show Information Reset	Legend	
Summary	Current Selections     Object	
Alt 7		s Removed From Import
🛅 Jak: 2		
Z Lookup: 3	- E State - E St	
Scheduled Task: 2	E FLEX_UsrLang_SchTask	
	Elookup.FLEX.BranchCode	
	ELEX_BranchCode_SchTask	
Import Files	V BFLEX_BranchCode_SchTask	
SchTask.xml		
Lookup.xml		
💠 Add		
Substitutions	Import successful	
💠 Add	If you are importing forms with encrypted attributes for a clustered configuration, then restart all nodes of the cluster.	g Dependencies To Create
IT Resources	· · · · · · · · · · · · · · · · · · ·	
🚸 Add	ОК	
New Roles	·	
🚸 Add		
	Add File Import	

Deployment Manager - Import

# 5.1.6.18 The following screen will get displayed.

a. Click on Add File.

Click Add File to add more files	S.		
Show Information Reset	t Legend		
Summary			
Import Files		Current Selections	Objects Removed From Import
+ Add			
Substitutions			
💠 Add			
IT Resources	•		
💠 Add			
New Roles	•		
💠 Add			
			Missing Dependencies To Create
		Add File Import	



## 5.1.6.19 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 Ma	anager - 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	Select a file fo	r import.		
Substitutions 🔻		-		
🜩 Add	Look in:	3 GTC-Config	- 🕝 🏚 📂 🛄 -	
IT Resources 🔻	(Per	Name	Date modified Type	
🜩 Add	S.	@ GTC.xml	4/13/2016 3:51 PM XML Doct	
New Roles 🔻	Recent Places			
◆ Add		< III File name: GTC.xml Files of type: [All Files (*.*)]	, Cpen Cancel	Missing Dependencies To Create

## 5.1.6.20 We will get File preview screen

d. Click on Add file.

Click Add File to add mo	ore files.			
Show Information	Reset Le	gend		
Summary		•	Current Selections	Objects Removed From Import
Import Files		•		objects kentoved From import
🚸 Add			O Deployment Manager	
Substitutions		•		
💠 Add				
IT Resources		•	File Preview	
💠 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/Oracle11gSSO	
			Cancel << Back Add File	
			Add File Import	



#### 5.1.6.21 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.

	I	Deployment Manage	r - 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	Deployment Manager - In	nport		×
Substitutions 🔻				
🛧 Add				
IT Resources 🔻	Substitutions			
🜩 Add	Provide the substitut	ions for the users/groups (Optional).		
New Roles 🔻				
💠 Add	Туре	Current Name	New Name	
	Role	SYSTEM ADMINISTRATORS		
	UD_FLEXCUBE Version	XELSYSADM	JCS	-
	OD_FLEXCODE Version Role	2 SELF OPERATORS	30.2	Missing Dependencies To Create
	Role	ALL USERS		
	100	ALL COLITO		
	Cancel Substitu	tion	Next	
	Add File Import			

#### 5.1.6.22 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.

Click Add File to add m								
Show Information	Reset	Legend						
Summary		•	Current Selections					Objects Removed From Import
Import Files		•						
🜩 Add				Confirmation			×	
Substitutions		•						
🜩 Add								
IT Resources		•		Confirmation				
🜩 Add				Are you sure you war	t to make the following substitutions?			
New Roles		•						
💠 Add				Туре	Current Name	New Name		
				UD_FLEXCUBE Version	2	JC2		
								Missing Dependencies To Create
				Cancel Substitu	tion << E	Back Next		
			Add File	Import				



## 5.1.6.23 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:</port></hostname>
	https://ofss000000:14001/FCUBSProvisioningAdServic 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	
	SPML_userName	
	SPML_targetID	FLEXCUBE
	WebServices_webServiceURL	https://ofss220607.in.oracl
	SPML_userPassword	
	SharedDrive_stageDirParent	/scratch/work_area/DBG/C
	SharedDrive_stageDirMultval	
	SharedDrive_fixedWidth	
	SharedDrive_archiveDir	/scratch/work_area/DBG/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/Q
	Timestamp
	SharedDrive_delimiter
	SharedDrive_whetherTabDelimited
	SharedDrive_filePrefix SMOIMHOFF



## 5.1.6.24 The following screen will get displayed.

I. Click on Skip.

Click Add File to add m	ore files.			
Show Information	Reset	Legend		
Summary		T		
Import Files		•	Current Selections	Objects Removed From Import
🜩 Add			O Deployment Manager	
Substitutions		•	Provide IT Resource Instance Data.	
💠 Add			Provide II Resource Instance Data.	
IT Resources		•	FLEXCUBE_GTC Provide the name of the IT resource instance to be created.	
💠 Add			FLEXCUBE_GTC P 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	
			SharedDrive_stageDirMutival	
			Sharedurive_tixed/wath	
			Cancel IT Resource Modification <<< Back Skip Next	
			Cancer in Resource woonication << back Skip Next	
			Add File Import	

**Deployment Manager - Import** 

#### 5.1.6.25 A confirmation window for parameter values will get displayed.

-	Deployment Manager - Import	
Click Add File to add more files.		
Click Add File to add more files.           Show withormation         Reset         Legen           Summary         Y           Import Files         Y           & Add         Y           Stubilitations         Y           & Add         Y           If Resources         Y           & Add         Y           How Roles         Y           & Add         Y		Objects Removed From Import Missing Dependencies To Create
	SharedDive (kodMdth SPML_userPassword Cancel IT Resource Modification «< Back View Selections	

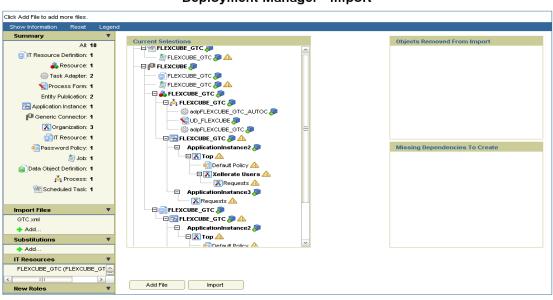
m. Confirm the values and click on View Selections.

5.1.6.26

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.







## 5.1.6.27 Above will prompt for Import Confirmation

p. Click on Import to start import.

	Deployment Man	ager - Import
Click Add File to add more files.		
Show Information Reset Legend		
Summary 🔻	Current Selections	Objects Removed From Import
At 18 TResource Definition 1 Test Adapter 2 Test Adapter 2 Test Adapter 2 Application Instance 1 Comparization 2 Application Instance 1 Comparization 3 Test Patiention 3 Test	Current Selectors  Current Selec	E)
(UD_FLEXCUBE Version) 2 : JC2 Add IT Resources FLEXCUBE_GTC (FLEXCUBE_GT	Add File Import	

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

#### 5.1.6.28 On successful import following screen will come.

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

Click Add File to add more files.	
Show Information Reset Legend	
Summary         V           Al: 18         If Resource Definition: 1           Image: The source of the s	Ourrent Selections     Objects Removed From Import       Objects Removed From Import
	Import successful If you are importing forms with encrypted attributes for a clustered configuration, then restart all nodes of the cluster.
Scheduled Task: 1           Import Files         V           OTC.xml         Add           Substitutions         V	Com.Mortech.st.detaobj.tcUD FLEXCUBE De 2
(UD_FLEXCUBE Version) 2 : JC2 Add IT Resources FLEXCUBE_GTC (FLEXCUBE_GT	Add File Import



## 5.1.6.29 Click on Sandboxes.

ORACLE: Identity System Administration	Accessibility	Sandboxes	Help	Sign Out	xelsysadm	-
<ul> <li>Generic Connector</li> <li>▲ Application Instances</li> <li>▲ Manage Connector</li> </ul>						
ofss220607:14000/sysadmin/faces/home?_adf.ctrl-state=w1gh33fda_6&_afrLoop=621057740745765#					About	t

## 5.1.6.30 Click on Create Sandbox.

ORACLE Identity Syst	am Administration	Accessibility S	andboxes Help Sk	on Out xelsysadm
Approval Policies	📓 Manage Sandbores 🗙			
Access Policies	Available Sandboxes Published Sandboxes			
A Provisioning Configur	Sandboxes allow you to isolate and experiment with customizations without affecting other users environments. To customize create and/or activate a and/or. After customizations are completely ou can publish the sandbox to make the customizations available to other users.			
S Reconciliation	View 💌 🕜 Create Sandbox 💱 Delete Sandbox 🍓 Refresh 🚇 Activate Sandbox 🖉 Deactivate Sandbox 🔅 Publish Sandbox 😤 Export Sandbox 📩 Import Sandbox			Detach
Form Designer	Sandbox Description	Act	tive Last Modifier On	d Last Modified By
Generic Connector	No dasa to daspaty.			
Application Instances				
Manage Connector				
la System Entities				
Crganization				
🚳 Role				
Catalog				
System Configuration Home Organization Policy				
Self Service Capabilities				
de Lookups				
Role Categories				
- 1				

## 5.1.6.31 Enter the Below Details and Click on Save and Close.

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

	tem Administr	ation								Accessibi	ity Sandbo	tes Help Sign	Out xelsysadm
Approval Policies	🖟 Manage Sar	ndboxes ×											
Access Policies	Available Sand	stoxes Published S	andboxes										
A Provisioning Configur	Sandboxe     To custom	es allow you to isolate nize create and/or acti	and experiment with cus vate a sandbox. After cus	tomizations with tomizations are	hout affecting other users er complete you can publish t	mironments. he sandbox to make the cust	mizations available to ot	er users.					
S Reconciliation	View -	Create Sandbox	3 Delete Sandbox	Refresh	Activate Sandbox	Deactivate Sandbox	Publish Sandbox	Export Sandbox	📩 Import Sandbox				Detach
Form Designer	Sandb	юх	Description								Active	Last Modified	Last Modified By
IT Resource	No data to disp	lay.										UII	by
P Generic Connector													
Application Instances													
Manage Connector													
A System Entities						Create Sandbox	×						
🗞 User 🛛 🗉						* Sandbox Name FI	excubeSandbox						
S Organization						FI	excubeSandbox						
🐯 Role						Sandbox Description							
Catalog													
A System Configuration						Activate Sandbox 📝							
& Home Organization Policy						Sav	and Close Cancel						
Self Service Capabilities							_						
n Lookups													
Role Categories													



## 5.1.6.32 Click on Ok.

	em Administration					Accessibility	Sandbo	kes Help Sign (	out xelsysadm	
Generic Connector     Application Instances     Manage Connector	Manage Sandboxes ×      Available Sandboxes Published 3     Sandboxes allow you to isolat     To customize crale and/or ad	e and experiment with custo	omizations with	out affecting other users en	nvironments.					
System Entities			Refresh		Deactivate Sandbox	Publish		Export Sandbo	× >>	»
S Organization	Sandbox	Description					Active	Last Modified On	Last Modified By	
👸 Role	Flexcube Create Sandb	ox				×		Apr 18, 2016	mdsInternal	
Catalog     System Configuration     & Home Organization Policy     Self Service Capabilities	Sandbox Fley		was created usi	ng label Creation_IdM_Fle	xcubeSandboxFlexcubeSa_	06:10:44. ОК				
Lookups     Role Categories										
Scheduler										
A Notification										
Seconfiguration Properties										
(♣) Import										
opyright © 2001, 2015, Oracle and/or its a	affiliates. All rights reserved								Ab	out

# 5.1.6.33 Click on Form Designer under Provisioning Configuration.

RACLE' Identity Syster											-
Policies	🛃 Manag	e Sandboxes 🗙									
	Available	Sandboxes Published S	andhavae								
Access Policies		dboxes allow you to isolate		stomizations with	out affecting other users a	nvironmente					
Provisioning Configur	Sand To cu	istomize create and/or act	ivate a sandbox. After cu	stomizations are	complete you can publish	the sandbox to make the c	ustomizatio	ns available to othe	r users.		
Reconciliation	View 🔻	Create Sandbox	💥 Delete Sandbox	🝓 Refresh	Activate Sandbox	Deactivate Sandbox	🖆 Pu	blish Sandbox	Export Sandbo	x XX	>>
Form Designer	Sa	andbox	Description					Active	Last Modified On	Last Modifie By	be
IT Resource     Generic Connector	► Fle	excubeSandboxFlexcu	FlexcubeSandbox					۲	Apr 18, 2016	mdsInternal	
Application Instances											
Manage Connector											
System Entities											
User											
Crganization											
Role											
Catalog											
System Configuration											
20607:14000/sysadmin/faces/home?_af											

# 5.1.6.34 Click on Create

ORACLE: Identity Syste	m Administration	Accessibility	Sandboxes (FlexcubeSandboxFlexcubeSa)	Help Sigr	n Out xelsysadm	n
Approval Policies	Manage Sandboxes x Form Designer x Search Forms					
Access Policies	⊿ Search		s	Saved Search	Implicit Search	•
Provisioning Configur Reconciliation E	Resource Type Q			Search	Reset Save.	
Form Designer IT Resource	Search Results			ooaron		
Generic Connector	Actions View View Greate Open		Туре	Resou	Detacl	h
Manage Connector	NO Gala lo Gisplay.					
🗞 User						
퓺 Organization 쭳 Role						
Catalog						
System Configuration Home Organization Policy						





## 5.1.6.35 Enter the below details and Click on Create

- Resource Type : FLEXCUBE\_GTC
- Form Name : FlexcubeForm

# Note\*: Form Name should be same as above

ORACLE Identity Syste	em Adminis	stration		Accessibility	Sandboxes (FlexcubeSandboxFlexcubeSa)	Help Sign Out xelsysadm
Policies  Approval Policies  Access Policies  Provisioning Configur  Provisioning Configur  Form Designer  Tresource  Connector  Application Instances  Anage Connector	New form Resource Ty * Form Nat	andboxes x Form Designer x n for FLEXCUBE_GTC ypp FLEXCUBE_GTC me FlexcubeForm				Create
System Entities User		ew ▼ 💮 Detach				
S Organization		Display Name	Name	Description		Bulk Update
8 Role	1	containerID	UD_FLEXCUBE_CONTAINERID	containerID		
Catalog						
System Configuration						

#### 5.1.6.36 Successful form creation will be like below:

ORACLE Identity Syste	em Administration		Accessibility	Sandboxes (FlexcubeSandboxFlexcubeSa)	Help Sign Out	xelsysadm
Policies	🛃 Manage Sandboxes 🗙	Form Designer x				
Approval Policies	Search Forms					
_	Search			s	aved Search Imp	licit Search 👻
Provisioning Configur Reconciliation	Resource Type	٩				
🔳 Form Designer					Search Re	set Save
IT Resource	Search Results					
P Generic Connector	Actions - View -	💠 Create 🥒 Open				Detach
🔁 Application Instances	* No data to display.			Туре	Resource 1	уре
🙀 Manage Connector	No data to display.					
System Entities						
🇞 User						
Crganization						
🖓 Role						
Catalog						
System Configuration						
Home Organization Policy						
< III >						

5.1.6.37 Click on Application Instances under Provisioning Configuration.



ORACLE' Identity Syst	em Administration		Accessibil	ty Sandboxes (FlexcubeSandboxFlexcubeSa)	Help Sign Out xelsysadm
Policies Approval Policies Approval Policies Access Policies Provisioning Configur Breactilitation Form Designer Transport	Search Forms	C			Saved Search Implicit Search  Search Reset Save
Generic Connector	Actions View View View	💠 Create 🥒 Open		Туре	Resource Type
Application Instances Manage Connector System Entities User	• No data to display.				
흆 Organization 행용 Role					
Catalog					
▲ System Configuration					



#### 5.1.6.38 Click on Search.

ORACLE Identity System Ad	Iministration		Accessibility	Sandboxes (FlexcubeSandboxFlexcubeSa)	Help Sign Out	xelsysadm
A Policies	anage Sandboxes 🗴 Form Designer 🗴	Application Instances x				
Approval Policies Sea	rch Application Instances					A
Access Policies						
A Provisioning Configur	Search tch   All  Any			Saved Search	Search Application Ins	atances 💌
🔳 Form Designer	Resource Object Starts with	•				
🔯 IT Resource	Display Name Starts with	•				
P Generic Connector	IT Resource Instance Starts with	■				=
Application Instances	Thresource instance Starts with					
Manage Connector				Search Reset Save.	Add Fields ▼	Reorder
▲ System Entities Sear	ch Results					
👌 User Actio	ions 🔻 View 👻 🗣 Create 🥒 Op	en 💥 Delete 🝓 Refresh	📴 🗑 Detach			
a Organization						
88 Role		Description	Resource Object	IT Resource Instance		
	ata to display	Description	Resource Object	TT Resource instance		
System Configuration						Ţ
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# 5.1.6.39 Click on FLEXCUBE\_GTC.

ORACLE Identity Syste	em Administration		Accessibility	Sandboxes (FlexcubeSandboxFlexcubeS	a) Help Sign Out xel	lsysadm
Policies Approval Policies Access Policies	Manage Sandboxes × Form Desig Search Application Instan					
Provisioning Configur Reconciliation Form Designer T Resource	▲ Search Match ④ All ◎ Any Resource Object Starts with Display Name Starts with			Saved Search	Search Application Instanc	es 💌
Application Instances     Anage Connector	IT Resource Instance Starts wit			Search Reset Sa	ve Add Fields 🔻 Re	≡ eorder
System Entities	Search Results Actions ▼ View ▼ 🗳 Create	🖉 Open 💥 Delete 🔞 Refre	esh 📴 🗟 Detach			
Grganization     Kole	<pre></pre>	Description	Resource Object	IT Resource Instance		
Catalog  System Configuration  Home Organization Policy  T  T  T  T  T  T  T  T  T  T  T  T  T	1 FLEXCUBE_GTC	FLEXCUBE_GTC	FLEXCUBE_GTC	FLEXCUBE_GTC		
ofer220607/14000/curadmin/facor/homo?	ofd.con=6221097025242228itf=manage_can	lbower81 adf etcl etate=u4.eb22fda 92f				

5.1.6.40

Choose the Form as FlexcubeForm and Click on Apply.



ORACLE' Identity System Administration		Accessibility Sandboxes (FlexcubeSandboxFlexcubeSa)	Help Sign Out xelsysadm
Approval Policies Approval Policies Application Instance Application Instance Application	Entitlements		Required Field Apply Revert
If Resource     Display Name       IP Generic Connector     Description       Image Connector     Description       Image Connector     Asystem Entities	FLEXCUBE_GTC		ĺ
晟 Organization 發 Role IT Resource Instance	FLEXCUBE_GTC Q		E
Catalog  System Configuration  Home Organization Policy  Copyright 6 2001, 2015, Oracle and/or its affiliates. All rights reserved	Edit 🔂 Refresh		About



## 5.1.6.41 On Successful modification will be shown like below:

ORACLE Identity Syste	em Administration			ce FLEXCUBE_GTC modifie	Accessibility	Sandboxes (FlexcubeSandboxFlexcu	beSa) Help Sign	Out xels	sysadm
Policies	🐻 Manage Sandboxes 🗙 For			-	u successiony				
Approval Policies Access Policies	Application Instance:	FLEXCUBE_G	тс						
Provisioning Configur Reconciliation	Attributes Organizations	Entitlements							
Form Designer							*Required Field	Apply	Revert
IT Resource	* Display Name	FLEXCUBE_GTC							*
P Generic Connector C Application Instances Manage Connector	. Description	FLEXCUBE_GTC							
▲ System Entities	Resource Object	FLEXCUBE_GTC							E
<ul> <li>Bole</li> <li>Catalog</li> </ul>	IT Resource Instance	FLEXCUBE_GTC							
System Configuration	Form	FlexcubeForm -	🥒 Edit 谢 Ref	fresh					-
opyright © 2001, 2015, Oracle and/or its	affiliates. All rights reserved								About

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.

	stem	Admi	inistration			Accessibility	Sandboxes	Help Sign	Out xel:	sysadm 🚥
Policies     Approval Policies     Access Policies     Provisioning Configur     Reconciliation	1			LEXCUBE_GTC ×	E_GTC				Apply	Researt
Form Designer  T Resource  Generic Connector	L	Action			ce is available to are shown below own <b>betwen center between</b>					
Application Instances	L	راً Rowa	Organization Name	Туре	Hierarchy sware					
la System Entities			Top Requests	System System	Implete sup-outs					
Crganization	8									
4 System Configuration										

## 5.1.6.42 Select and click on Publish Sandbox.

RACLE' Identity Syste	em Admi	Inistration				Accessibility	Sandboxes (Frexci	ibeSandboxFlexcubeS	a) Help Sign (	Out xelsysad	
Policies	🐻 Mana	ge Sandboxes 🗙									ľ
Approval Policies											
Access Policies	Available	e Sandboxes Published S	andboxes								
Provisioning Configur	Sar To c	ndboxes allow you to isolate customize create and/or acti	and experiment with cu ivate a sandbox. After cu	stomizations with stomizations are	out affecting other users o complete you can publish	environments. the sandbox t	o make the customiz	ations available to othe	r users,		
Reconciliation	View 🔻			🝓 Refresh	Activate Sandbox			Publish Sandbox	1 Export Sandbo	x »	>>
E Form Designer	s	Sandbox	Description					Active	Last Modified On	Last Modifie By	əd
T Resource		lexcubeSandboxFlexcu	ElexcubeSandbox						Apr 18, 2016	mdsinternal	
Generic Connector		lexedbeodinabox rexed	Thexeabcoundbox						7.pr 10, 2010	masinterna	
The Application Instances											
Manage Connector											
System Entities											
🔁 User											
Crganization											
Role											
🚇 Catalog											
System Configuration											
😹 Home Organization Policy 🖕											
s220607:14000/sysadmin/faces/home?_a											



	em Admin	istration			A	Accessibility Sandboxes	s (FlexcubeSa	ndboxFlexcube	Sa) Help Sign	Out xelsysadm
Policies Approval Policies Access Policies	Available Sand	e Sandboxes × Sandboxes Publishe	late and experiment with cu	stomizations with	iout affecting other users en	nvironments.				
Provisioning Configur     Reconciliation	View 🔻	Stomize create and/or	activate a sandbox. After cu x X Delete Sandbox	Refresh	Activate Sandbox	Deactivate Sandbox to make the c		ish Sandbox	mer users. (1) Export Sandbo	x » »
Form Designer	Sa	indbox	Description					Active	Last Modified On	Last Modified By
🔯 IT Resource	► Fle	excubeSand	Sandbox				×	۲	Apr 18, 2016	mdsinternal
Application Instances     Manage Connector			e requested to publish san want to continue?	dbox FlexcubeSa	ndboxFlexcubeSa and mer	ge its contents into the ma	in line.			
▲ System Entities		50,00				Yes	No			
🇞 User							_			
😹 Organization										
🚳 Role										
Catalog										
System Configuration										
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DRACLE Identity Sy	stem Administration		Accessibility	Sandboxes	Help	Sign Out	xelsysadm
Z Organization	*						
👪 Role							
Catalog							
System Configuration							
😹 Home Organization Policy							
👼 Self Service Capabilities							
💏 Lookups							
Role Categories							
Cheduler	0						
A Notification							
Configuration Properties							
💁 Import	E						
1 Export							
Upgrade							
Upgrade User Form							
🖓 Upgrade Role Form							
SUpgrade Organization Form							
	*						

5.1.6.44 Click on 主 to Search for Scheduled Job List.

	tration Signe	ed in as xelsysadm Help 🧕
Event Management Policies System Mar	nagement	
Scheduler Notification System Configuration		
Search Scheduled Jobs	Welcome Welcome to Identity System Administration	1
Actions • View • 🖉 🏠 🔡 No search conducted.	Event Management	
	Policies Search Approval Policies	
	System Management Search Scheduled Jobs Search Notification Templates Search System Properties	
	4	
		About





## 5.1.6.45 Click on Entitlement List

RACLE <sup>®</sup> Identity System Admi	inistration Signed in as xelsysadm H	Help
vent Management Policies System	n Hanagement	
cheduler Notification System Configuration	1	
earch Scheduled Jobs	Welcome	
+	Welcome to Identity System Administration	
dvanced Search		
Actions • View • / 🕑 💥 🚮	Event Management	
Attestation Grace Stopped		
Automated Retry Stopped	Policies	
utomatically Unlo Stopped	🖳 🖳 Search Approval Policies	
lk Load Archival Stopped		
Jk Load Post Pro Stopped		
atalog Synchroni Stopped		
rtification Event Stopped	System Management	
taCollection Sch Stopped	Search Scheduled Jobs	
layed Delete User Stopped	Search Notification Templates	
able/Delete Use Stopped	Las Search Notification Lemplates	
able User After Stopped	Search System Properties	
titlement Assign Stopped titlement List Stopped		
bilement Post D Stopped		
aluate User Polic Stopped		
EX BranchCode Stopped		
EX UsrLang_Sch Stopped		
EXCUBE_GTC Stopped		
rm.Upprade.lob_Stopped		
		-

## 5.1.6.46 Click on Run Now.

DRACLE' Identity System Admini	istration Signed in as xelsysadm Help
Event Management Policies System M Scheduler Notification System Configuration	Management
Search Scheduled Jobs	Welcome Job Details
•	Job Details : Entitlement List
Advanced Search	Apply Run Now Stop Endele Refresh
Actions • View • 🥒 🔮 💥 🛃 Job Name Status	
Application Instanc Stopped	Job Information
Attestation Grace Stopped	Job Name Entitlement List       O Periodic
Automated Retry Stopped	Tack Epithement List
Automatically Unlo Stopped	* Starbate [Aris 2.016 3:47:19 PM IS] 120 (JUTC +05:30) Calculta - India Time (IT) Schedule Type Single
Bulk Load Archival Stopped	Charlotte reprint 2020 of H125 H125 K10
Bulk Load Post Pro Stopped	*Retries 5
Catalog Synchroni Stopped	
Certification Event Stopped	Job Periodic Settings
DataCollection Sch Stopped	Run every 1
Delayed Delete User Stopped	days 💌
Disable/Delete Use Stopped	
Enable User After Stopped	Job Status
Entitlement Assign Stopped	
Entitlement List Stopped	Current Status Stopped
Entitlement Post D Stopped	Last Run Start April 18, 2016 6:39:28 PM IST
Evaluate User Polic Stopped	Last Run End April 18, 2016 6:39:28 PM IST
FLEX_BranchCode Stopped	Next Scheduled Run April 8, 2016 3:47:19 PM IST
FLEX_UsrLang_Sch Stopped	
FLEXCUBE_GTC Stopped	Parameters
Form Lingrade Tob Stonned	AutoPublish True
Rows Selected 1	Ignore Resource List
	About

#### 5.1.6.47 Schedule Task Setup

This step involves setting up Schedule task parameters.

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

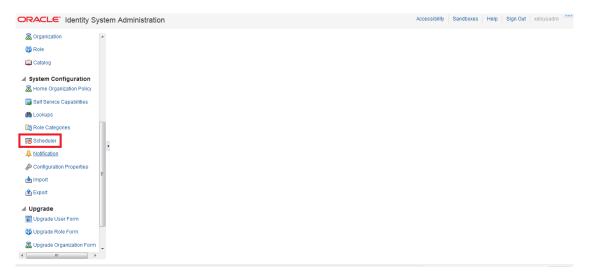


#### 5.1.6.47.2 Enter OIM administrator username/password and press Login.

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

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#### 5.1.6.47.3 Click on Scheduler under System Configuration.





# 5.1.6.47.4 Click on 主 to Search for Scheduled Job List.

	ation	Signed in as xelsysadm	Help 🤦
Event Management Policies System Man	agement		
Scheduler Notification System Configuration			
Search Scheduled Jobs	Wekome Welcome to Identity System Administration		-1
Actions • View • 🖉 😭 💥 📰	Event Hanagement		
	Policies           Search Approval Policies		
	System Management Search Scheduled Jobs Search Notification Templates		1
	Search System Properties		
·,			About



#### 5.1.6.47.5 Click on FLEX\_BranchCode\_SchTask.

ORACLE Identity System Ad	Iminis	tration Signed in as xelsy	sadm Help 🧲
Event Management Policies Sys	stem Ma	nagement	
Scheduler Notification System Configura			
Search Scheduled Jobs		Wekome	
Advanced Search		Welcome to Identity System Administration	
Advanced Search			
Antina Man d A A The		Event Management	
Actions - View - 🖉 🧏 🎬		Search Reconcilation Events	
Job Name Status			
Application Instance Post Delete Proce Stopped			
Attestation Grace Period Expiry Checker Stopped Automated Retry of Failed Async Task Stopped		Policies	
Automated Reiry of Palled Async Task Stopped Automatically Unlock User Stopped			
Bulk Load Archival Job Stopped		Search Approval Policies	
Bulk Load Post Process Stopped			
Catalog Synchronization Job Stopped			
Certification Event Trigger Job Stopped		System Management	
DataCollection Schedule Job Stopped			
Delayed Delete User Stopped		Search Scheduled Jobs	
Disable/Delete User After End Date Stopped		Search Notification Templates	
Enable User After Start Date Stopped			
Entitlement Assignments Stopped		Search System Properties	
Entitlement List Stopped			
Entitlement Post Delete Processing Job Stopped			
Contrasts Lines Deliving Changed			
FLEX_BranchCode_SchTask Stopped			
reck_oarcang_ochrask otopped			
FLEXCUBE_GTC Stopped			
Form Lingrade Job Stopped			
		1	

#### 5.1.6.47.6 On the Edit Schedule Task screen.

WebService Url : FCUBSLOVAdService deployed in section <u>5.1.4.2.1</u>

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.

:

ORACLE' Identity System Administ	tration	Signed in as xelsysadm Help 💆
Event Management Policies System Mar	nagement	
Scheduler Notification System Configuration		
		N.
Search Scheduled Jobs	Welcome Job Details	
•	Job Details : FLEX_BranchCode_SchTask	<u>^</u>
Advanced Search		* Indicates required fields.
Actions 🕶 View 👻 🥒 🎽		Apply Run Now Stop Enable Disable Refresh
Job Name Status		
Application Instanc Stopped	Job Information	
Attestation Grace Stopped	Job Name FLEX BranchCode SchTask	Periodic
Automated Retry Stopped	Task FLEX_BranchCode_schTask	© Cron
Automatically Unlo Stopped		Schedule Type Single
Bulk Load Archival Stopped	*Retries 0	No pre-defined schedule
Bulk Load Post Pro Stopped		No pre-delined scriedule
Catalog Synchroni Stopped	Job Status	
Certification Event Stopped		
DataCollection Sch Stopped	Current Status Stopped	
Delayed Delete User Stopped	Last Run Start April 20, 2016 5:47:01 PM IST	
Disable/Delete Use Stopped	Last Run End April 20, 2016 5:47:03 PM IST	
Enable User After Stopped	Next Scheduled Run	
Entitlement Assign Stopped	Parameters	
Entitlement List Stopped		
Entitlement Post D Stopped	Lookup Name Lookup.FLEX.BranchCode	WebService Name FCUBSLOVAdService
Evaluate User Polic Stopped	OIM Country US	WebService NameSpace http://lovservice.ws.oim.integration
FLEX_BranchCode Stopped	OIM Language en	WebService Operation lookup
FLEX_UsrLang_Sch Stopped		
FLEXCUBE_GTC Stopped	Query select branch_code  '~'  branch_co	WebService Url https://ofss220607.in.orade.com:7
Form Upgrade Job Stopped		
Kows Selected 1	Job History	
		About





### 5.1.6.47.7 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.

rent Management Policies System	Management		
neduler Notification System Configuration			
arch Scheduled Jobs	Welcome Job Details		
→	Job Details : FLEX_UsrLang_SchTask		
vanced Search	JOD Details TEEX_OSTEarig_SCITTASK	* Indicates reg	uired fields
		Apply Run Now Stop Enable Disable	Refresh
Actions 🔹 View 👻 🧪 🎦			
b Name Status			
plication Instanc Stopped	Job Information		
stopped stoppe	Job Name FLEX_UsrLang_SchTask	Periodic	
stomatically Unlo Stopped	Task FLEX_UsrLang_SchTask	Crbad la Tura	
k Load Archival Stopped	* Retries	0 Schedule Type Single	
k Load Post Pro Stopped		No pre-defined schedule	
atalog Synchroni Stopped			
rtification Event Stopped	Job Status		
taCollection Sch Stopped	Current Status Stopped		
elayed Delete User Stopped	Last Run Start April 20, 2016 5:38:34 PM IST		
sable/Delete Use Stopped	Last Run End April 20, 2016 5:38:35 PM IST		
able User After Stopped	Next Scheduled Run		
titlement Assign Stopped			
titlement List Stopped	Parameters		
titlement Post D Stopped	Lookup Name Lookup.FLEX.UserLanguage	WebService Name FCUBSLOVAdService	
valuate User Polic Stopped	OIM Country US	WebService NameSpace http://lovservice.ws.oim.integration	
EX_BranchCode Stopped			
EX_UsrLang_Sch Stopped	OIM Language en	WebService Operation lookup	
EXCUBE_GTC Stopped	Query select LANG_CODE   '~' LANG	G_COE WebService Url https://ofss220607.in.oracle.com:7	
rm Ungrade Job Stopped			
ows Selected 1	<ul> <li>Job History</li> </ul>		



# 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 :

5.1.7.2.1.1 Login to the Design Console.



🔁 Oracle Identity Manager Design Cons 💶 🛪							
		Welcome T	0				
	C	RACL	-e.				
		le Identity M	-				
	D	esign Conso	le				
U	ser ID	×elsysadm					
<u>P</u> a	assword	•••••					
	ersion <u>L</u> ogin	11.1.2.3.0.0.0	<u>C</u> ancel				



### 5.1.7.2.1.2 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

Oracle Identity Mar	nager Design Console : connected to jdbc:oracle:thin:@ofss220374:1521/OracleSS012c _ 🗆 🗆
<u>F</u> ile <u>E</u> dit <u>T</u> ool Bar <u>H</u> elp	
Oracle Identity Manager Design C  Resource Management IT Resources Type Definiti Resource Objects Administration Administration Development Tools	Code       Lookup.OID.Organization         Field
	Lookup Definition Lookup Definition Resource Objects Lookup Definition

### 5.1.7.2.1.3 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 🗳.



### 5.1.7.2.1.4 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.

🔁 Oracle Ider	ntity Manage	r Design Console 🔅	: connected to jdbc:oracle:thin:@ofss220246:1521 $\_$	×
<u>F</u> ile <u>E</u> dit <u>T</u> ool	Bar <u>H</u> elp			
N 4 P N		8 X 🗊 🗏	1	
Oracle Identity M	lanager Design Co ment		Object Reconciliation	
😑 💼 Resource Ma	first filter	- Ol jeet Definition Name	FLEXCUBE_GTC	
Rule Des	igner			
E Resource		Order For Us		
Email De		Туре	Application	
Administrati	on	Trusted Source 🔄	]	=
🔒 User Def	ined Field Definitio	5	Password Policies Rule   User Defined Fields   Process	
. 🕀 🦳 Developmen	t i oois	Event Handlers/A Depends On	Adapters / Resource Audit Objectives / Status Definition Object Authorizers / Process Determination Rules	
		Assign	Object	
		Delete		
ł				
r				
				-
		Resource Objects		

- 5.1.7.2.1.5 Select the OID User from the Unassigned Objects list. Click on the arrow pointed to Assigned objects.
  - a. Click on OK. This will move OID user resource to Assigned objects.



Oracle Identity Manager Design Console : connected to jdbc:oracle:thin:@ofss220246:1521 _ 🗖	×
<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 ×	
Image: Trace in the second contract of the second contrel contrel contract of the second contract of the second contrac	
OK Cancel	
Resource Objects	-

5.1.7.2.1.6 Ensure that OID User will be shown under Object.

a. Click on Save.

😑 Oracle Identity Manager	Design Console : connected to jdbc:oracle:thin:@ofss220246:1521 _ 🗆	×
<u>F</u> ile <u>E</u> dit <u>T</u> ool Bar <u>H</u> elp		
Oracle Identity Manager Design Co User Management Resource Management Resource Objects Resource Objects Process Management Remail Definition Administration Cockup Definition User Defined Field Definition Development Tools	Resource Object       Object Reconciliation         Object Definition       FLEXCUBE_GTC            • Order For User        Order For Organization         Type       Application         Trusted Source       Image: Control of the second s	
	Resource Objects	



# 5.1.7.2.2 Access Policy Creation for OID

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

# 5.1.7.2.2.2 Login to Administrative Console

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a. 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					

ORACLE

### 5.1.7.2.2.3 Click on Access Policies under Policies.

ORACLE Identity System Administration	Accessibility	Sandboxes	Help	Sign Out	xelsysadm	
Policies  Approval Policies  Approval Policies  Provisioning Configur  Systeconciliation  Form Designer  Carrier Connector  Can Application Instances  Application Instances  Application Instances						
System Entities             User          Sorganization          System Configuration          System Configuration          System Configuration          System Configuration         System Configuration          System Configuration          System Configuration          System Configuration          System Configuration          System Configuration         System Configuration          System Conf						

### 5.1.7.2.2.4 Click on Create Access Policy.

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



### 5.1.7.2.2.5 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

reate Access Policy	1234
Step 1: Create Access Policy	,
f Indicates Required Field	
Access Policy Name	* OIDAccessPolicy
Access Policy Description	QUDAccessPolicx *
Policy Owner	Role ALL USERS
Retrofit Access Policy	
Priority Exit Continue >>	* 1 Current Lowest Priority=1

5.1.7.2.2.6 Perform the below mentioned Operations and Click on Continue.

- Select OID User
- Click on Add Button

Create Access Policy	
Step 2: Select Resources       Specify the resources to be provisioned by this access policy.       * Indicates Required Field       Filter By    Go	
Results 1-2 of 2 First   Previous   Next   Last   Resource Name	Add >>> << Remove



### 5.1.7.2.2.7 Click on Continue.

Create Access Policy	
Step 2: Select Resources	
The subsequent pages will guide you throug	gh providing the data to associate with the following resources you selected to be provisioned by this Access Policy:
• OID User	
Exit << Back Skip Thi	s Step

5.1.7.2.2.8 Select the below Details and Click on Continue.

Server

- OID Server
- Container DN :

Start Date

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

:

:

:

- Preferred Language :
- April 20, 2016 (Current Date)

End Date

•

April 20, 2026 (End Date)

ORACLE

ID er word Name le Name non Name tainer DN artment	Clear     Clear
word Name Ile Name Name mon Name tainer DN	
Name lle Name mon Name tainer DN	*
lle Name Name mon Name tainer DN	*
Name mon Name tainer DN	*
mon Name tainer DN	*
tainer DN	
artment	* cn=Users,dc=ofss,dc=in,dc
tion	
phone	
il ID	
erred Language	English
Zone	
t Date	April 20, 2016
Date	April 20, 2026
ager	
agei	

# 5.1.7.2.2.9 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	0
Ext << Back Continue >>		

5.1.7.2.2.10 Click on Continue.



Create Access Policy	1200	
Step 3: Select Resou	rces	
Specify the resources to b * Indicates Required Field Filter By	be denied by this access policy.	
Results 1-2 of 2	First   Previous   Next   Last	Selected:
	Resource Name	
	FLEXCUBE_GTC OID User	Add >>
First   Previous   Next		<< Remove
Exit << Back	Contrue >>	



# 5.1.7.2.2.11 Click on Create Access Policy.

	Access Policy Name Access Policy Description Policy Owner Type Policy Owner Retrofit Access Policy Priority	OIDAcces OIDAcces Rold SYSTEM ADMIN Yes 1	sPolicy e IISTRATORS s	
Resources to be provision	priority	1		iange
Resource Name	Revoke if no longer applies	Disable if no longer applies	Process Forms	
OID User	✓	×	OID User Edit	
Resources to be denied	hy this access policy			
Resources to be denied (i) You have	by this access policy not selected any resources to be denied by this	s access policy.	<u>c</u> i	lange
	not selected any resources to be denied by this	s access policy.	<u>a</u>	

# 5.1.7.2.2.12 Login to Identity Self Services

	If Service	Accessioning Terp About Gradesse
Sigr		
	Sign in with your account	
	User ID	
	xelsysadm	
	Password	
	••••••	
	Sign In	
	Forgot User Login? Forgot Password?	
	New User Registration	
	Track My Registration	
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### 5.1.7.2.2.13 Click on Roles under Manage

С		Service		Sandboxes Customize xelsysadm v ····
Но	me			
	Users Manage users	Roles Manage roles	Organizations Manage organizations	Administration Roles Manage admin roles
/faces/hc	mer <sup>2</sup> adf.ctrl-state=xuf17yyru_18, afrLoop=857	7204625390963#		

# 5.1.7.2.2.14 Select ALL USERS to Edit

RACLE <sup>*</sup> Identity S	elf Service	Self Service Manage
e Roles x		
Roles		
ch Name	Q Advanced	
ions 🔻 View 👻 🕂 Create	∕ Open 🗙 Delete 🔇 Refresh 🕎 🚔 Detach	
Nama	Role Description	
Name		
ALL USERS	Default role for all users	
	Default role for all users Administrators role for SOA	
📸 ALL USERS		
ALL USERS	Administrators role for SOA	
<ul> <li>ALL USERS</li> <li>Administrators</li> <li>BIReportAdministrator</li> </ul>	Administrators role for SOA Administrators role for BI Publisher Reports	

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# 5.1.7.2.2.15 Click on Access Policy

Home Roles x ALL USERS x	
ALL USERS Apply	Revert
Attributes Hierarchy Access Policy Members Organizations	
Name ALL USERS	
Role Namespace Default	
Display Name ALL USERS	
Role E-mail	
Role Description	
* Owned By System Administrator	

5.1.7.2.2.16 Click on + Add to Add Access Policy

	Sandboxes Customize xelsysadm 🔻 🚥
RACLE <sup>®</sup> Identity Self Service	Self Service 📩 Manage
me Roles x ALL USERS x	۵
ALL USERS	Apply Revert
Attributes Hierarchy Access Policy Members Organizations	
Add access policies to define access rights of this role.	
Actions 🔻 View 👻 🕂 Add 🗙 Remove 👘 Undo 🔇 Refresh	Ey Detach
Policy Name Policy Description Pending Action	
No data to display	

Copyright  $\circledast$  2001, 2015, Oracle and/or its affiliates. All rights reserved



RACLE	Identity Self	fService		Sandboxes Customize	e xelsysadm 👻 🚥 vice 🍂 Manage
me Roles x A	Add Access Poli	cies		×	
	Search Policy Nat	me 💌	Search for Policies and Add them to the S	elected Items table below	Apply Revert
ttributes Hierarch	Results				
dd access policies	View 🔻 🖳				
Actions View	Policy Name	Policy Description			
Actions View .	OIDAccessPolicy	OIDAccessPolicy			
Policy Nar		✓ Add Selected	📚 Add All 🔍 Remove Selected 🛛 ጵ Remove A	11	
No data to display					
	Selected Policies	S			
right © 2001, 2015, Ori	View 🔻				
	Policy Name	Policy Description			
	OIDAccessPolicy	OIDAccessPolicy			
				Select Cancel	

### 5.1.7.2.2.17 Search for the Access Policy & Select the Access Policy Created

# 5.1.7.2.2.18 Click on Apply to Save

	Self Service Manage
ome Roles x ALL USERS x	X
ALL USERS	Apply Revert
Attributes         Hierarchy         Access Policy         Members         Organizations           Add access policies to define access rights of this role.         Image: Comparize the second se	
Actions 🔻 View 👻 🕂 Add 💥 Remove 🖒 Undo 🔇 Refresh 🔄 🔯 Detach	
Policy Name Policy Description Pending Action	
OIDAccessPolicy OIDAccessPolicy Add	

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### 5.1.7.2.2.19 Click on Scheduler under System Configuration.

ORACLE Identity System Administration	Accessibility	Sandboxes	Help	Sign Out	xelsysadm	
द्ध Organization A						
Catalog  System Configuration  A System Configuration Policy						
Self Service Capabilities						
Image: Configuration Properties						
E (1) Export						
✓ Upgrade						
Cuprado Role Form     Marcon Role Torm     Transport Role Torm     t						

### 5.1.7.2.2.20 Click on Search shown below:

RACLE <sup>®</sup> Identity System Administ	ration Signed in as xelayse	ıdm Hel;
event Management Policies System Man	agement	
cheduler Notification System Configuration		
earch Scheduled Jobs dvanced Search	Welcome Welcome to Identity System Administration	
Actions • View • 🥒 🚰 💥 📑	Event Hanagement	
	Policies	
	System Management	٦
	Search Notification Templates Search System Properties	
		A



#### 5.1.7.2.2.21 Select Evaluate User Policies.

KOUBE GTO

DRACLE Identity System Ad	ministratio	on
	em Managem	tent Contraction of the second s
Scheduler Notification System Configure		
Search Scheduled Jobs	w v	Velcome
⇒	W	elcome to Identity System Administration
Advanced Search		
Actions - View - Job Name Status Application Instanc Stopped		Event Management
Attestation Grace Stopped		
Automated Retry Stopped		Policies
Automatically Unlo Stopped		Search Approval Policies
Bulk Load Archival Stopped		Sul Search Approval Policies
Bulk Load Post Pro Stopped		
Catalog Synchroni Stopped		
Certification Event Stopped		System Management
DataCollection Sch Stopped		Search Scheduled Jobs

Search Notification Templates

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

ORACLE' Identity System Adminis	tration	Signed in as xelsysadm Help
Event Management Policies System Ma Scheduler Notification System Configuration	nagement	
Search Scheduled Jobs	Welcome Job Details	
⇒	Job Details : Evaluate User Policies	<u>*</u>
Advanced Search		Apply Run Now Stop Enable Disable Refresh
Job Name Status		
Application Instanc Stopped	Job Information	
Attestation Grace Stopped	Job Name Evaluate User Policies	Periodic
Automated Retry Stopped	Task Evaluate User Policies	Crop E
Automatically Unio Stopped	* Start Date April 21. 2016 3:47:19 AM I 2 (UTC+05:30) Calcutta - India Time (IT)	Schedule Type Single
Bulk Load Archival Stopped		No pre-defined schedule
Bulk Load Post Pro Stopped	* Retries 10	
Catalog Synchroni Stopped		
Certification Event Stopped	Job Periodic Settings	
DataCollection Sch Stopped	Run every 10	
Delayed Delete User Stopped		
Disable/Delete Use Stopped	mins 💌	
Enable User After Stopped	Job Status	
Entitlement Assign Stopped		
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 Job Stopped	*Batch Size 500	
Rows Selected 1	* Number of Threads 5	•



Signed in as xelsysadm Help 🕻

# 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)

### 6.1.1.1 Login to Administrative Console

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

ORACLE <sup>®</sup> Identi	ty Self Service		A	ccessibility	Help	About Oracle
	Sign In	Sign in with your account User ID xelaysadm Password ••••••••••••••••••••••••••••••••••••				
Copyright © 2001, 2015, Oracle and/or its a	ffiliates. All rights reserved					



6.1.1.2 Click on Users under Manage.

C		Service		Sandboxes Customize xelsysadm v ••••
Но	me			
	Users Manage users	Roles Manage roles	Organizations Manage organizations	Administration Roles Manage admin roles
ces/hi	me?, adf.no-new-window-redirect=true&, a	df.ctrl-state=bl3xqyjoe_5&_afrLoop=858257121	335836& afrWindowMode=2& afrWindowId=	12dzelvp5h#

# 6.1.1.3 Click on Create

	ACLE	Identity Self S	bervice					Self Service	ŵ <sub>0</sub> I	lanag
ie	Users ×									
Us	ers									
rch	Display Name	•	Q Advan	ced						
tion	s 🔻 View 👻	🕂 Create 🧪 Edi	it 🗸 Enable (	🛢 Disable 🗙 De	lete 🔒 Lock Acc	ount 👩 Unlock	Account 🔋 Rese	Password	»	»
	s ▼ View ▼ User Login	+ Create / Edi	it 🗸 Enable ( First Name	Disable 🗙 De	lete 🔒 Lock Acc	count C Unlock Telephone Number	Account 🐑 Reset	Password Identity Status	» Acco	
	-					Telephone	~			unt S
	User Login	Display Name	First Name	Last Name	Organization	Telephone	~	Identity Status	Acco	unt S
	User Login OIMINTERNAL	Display Name	First Name OIMINTERNAL WEBLOGIC	Last Name	Organization Xellerate Users	Telephone	~	Identity Status Active Active	Acco	cked cked



# 6.1.1.4 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.

		entity Self Service			Sandt	oxes Customize xelsysadm ▼ •• Self Service Manage
ome Users	× Create Us	er x				
reate Us	er					Submit Save As   Cancel
R	equest Inform	nation				
Basic Inf	ormation					
First Nan	Nandhakum	har	Manager		0	
Middle Nan	ne		* Organization	Requests	0	
* Last Nan	vemban		* User Type	Employee 💌		
E-ma	ail nandhakum	ar.vemban@oracle.com	Display Name	Nandhakumar Vemban		
Account	Settings					
Use	r Login nvemb	an-in				
Pas	esword		0			
Confirm Pas	essword	••••				
Account	Effective Dat	tes				
Start Date 4	/25/2016	10				
End Date		Ċ.				



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

	ssfully						Self Service	🎝 Manage
Users ×					_			
Isers								
h Display Name		Q Advan						
ons 🔻 View 🔻	🕂 Create 🧪 Edi	it 🗸 Enable (	🔵 Disable 🗙 De	lete 🔒 Lock Acc	ount 💣 Unlock /	ccount 🐑 Reset	Password	» »
User Login	Display Name	First Name	Last Name	Organization	Telephone Number	E-mail	Identity Status	Account St
		OIMINTERNAL	OIMINTERNAL	Xellerate Users			Active	Unlocked
OIMINTERNAL	Internal User	OWNINTERINAL						
OIMINTERNAL	Internal User Weblogic User	WEBLOGIC	WEBLOGIC	Xellerate Users			Active	Unlocked
		WEBLOGIC	WEBLOGIC Administrator	Xellerate Users Xellerate Users		donotreply@ora		Unlocked



6.1.1.6 Click on Refresh to fetch the updated user list.

SL	RACLE	Identity Self S	Service					Self Serv	ice 🍂 Manag
ome	Users ×								Ē
<b>u</b>	sers								
earch Action			Advan		lete 🔒 Lock Acc	count 🚽 Unlock	Account 🗐 Rese	t Password	» »
	Display Name	<ul> <li>▼ Create</li></ul>		ced <ul> <li>Disable X De</li> </ul> Last Name	lete 🔒 Lock Acc	count C <sup>O</sup> Unlock Telephone Number	Account 🕤 Rese E-mail	t Password Identi ्रि	>> >> Refresh
	ns ▼ View ▼	+ Create 🖉 Edi	it 🗸 Enable (	🗢 Disable 🗙 De		Telephone		25	Defeat
	ns ▼ View ▼ User Login	+ Create / Edi Display Name	it VEnable	Disable X De	Organization	Telephone		ldenti 🗘	Refresh ount S
	ns ▼ View ▼ User Login OIMINTERNAL	+ Create / Edi Display Name Internal User	it First Name OIMINTERNAL WEBLOGIC	Disable X De     Last Name     OIMINTERNAL	Organization Xellerate Users	Telephone		Active Active	Refresh ount S

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

		Identity Self S	envice						
אוכ		Identity Self C	Service					Self Service	🎝 Manag
Home	Users ×								G
🄓 Us	sers								
Search	Display Name	•	Q Advanc	ced					
Actions	s ▼ View ▼	🕂 Create 🧪 Edi	t 🗸 Enable 🕻	🕽 Disable 🗙 Del	ete 🔒 Lock Acc	ount 👩 Unlock A	ccount 🗊 Reset	Password	» »
						<b>T</b> 1 1			
	User Login	Display Name	First Name	Last Name	Organization	Telephone Number	E-mail	Identity Status	Account S
	User Login	Display Name		Last Name Vemban	Organization Requests		E-mail	Identity Status	Account S
	U				U				Account S Unlocked Unlocked
	NVEMBAN-IN	Nandhakumar V	Nandhakumar	Vemban	Requests			Active	Unlocked
	NVEMBAN-IN OIMINTERNAL	Nandhakumar V Internal User	Nandhakumar OIMINTERNAL WEBLOGIC	Vemban OIMINTERNAL	Requests Xellerate Users			Active Active Active	Unlocked Unlocked

6.1.1.8 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.

Modify Cash Angle	s : Nandhakuma. Imban O Disable		A Lock Acco	unt -0 Ibil		Reset Password		Ē
		e 🗙 Delete	🔒 Lock Acco	unt _0 Uni		Depart Department		
🖋 Modify 🗸 Enable	Disable	e 🗙 Delete	🔒 Lock Acco	unt _0.1ml		Depart Department		
					ock Account 🛛 🔊	Reset Password		
		•						
Attributes Roles Entitleme	nts Accounts	Direct Reports	Organizations Ac	Imin Roles				
Actions View View View	Request Account	ts 🧳 Modify Gra	ant Duration 🕂	Request Entitlem	ent () Refresh	🔅 Resource His	story 🔄	Detach
Application Re	esource	Account Name	Provisioned On	Status	Account Type	Request ID	Start Date	End Da
OID User OI	D User	NVEMBAN-IN	4/25/2016	Provisioned	Primary		4/25/2016	
•								

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6.1.1.9 Click on Request Accounts.

		Identity Self S					i i	Self Servio	ce 🍰 Man
ome	Users x User I	Details : Nandhakum	1a ×						
🔓 N	landhakuma	r Vemban							
/ M	<b>Aodify</b> 🗸 Ei	nable 🕒 Disa	ıble 🗙 Delete	🔒 Lock Acco	unt 🖬 UnLoc	k Account 🛛 🔊	Reset Password		
Attribute	es Roles Ent	itlements Accoun	ts Direct Reports	Organizations Ad	dmin Roles				
	es Roles Ent ns ▼ View ▼	Request Account		-	<mark>dmin Roles</mark> Request Entitlemen	t 🔇 Refresh	🔅 Resource Hist	tory E	Detach
				-		t 🔇 Refresh	<ul> <li>Resource Hist</li> <li>Request ID</li> </ul>	tory Er Start Date	Detach     End D
	ns ▼ View ▼ Application	+ Request Accou	unts 🧪 Modify Gra	ant Duration +	Request Entitlemen				



#### Click on **+** Add to Cart against FLEXCUBE\_GTC. 6.1.1.10

Home Users x Use	Details : Nandhakuma x Account Access Request x	
	Back Cancel Next	Cart 쿶 Nandhakumar Vemban 🛃
Search and select indi Catalog Request P	idual items from the Catalog tab. Sets of pre-bundled items commonly used in your organ ofiles	ization can be selected from the Request Profiles tab.
Search Keyword	Search	
Categories	Sort By Display Name 💌	+ Add Selected to Cart
		Add to Cart

#### 6.1.1.11 **Click on Next Button**

me Users x User Details :	Nandhakuma x Account Acc	cess Request ×			I
В	Add Access	Checkout	Cancel Next	Nandhakuma	Cart 👥
Search and select individual ite Catalog Request Profiles	ems from the Catalog tab. Sets of	f pre-bundled items com	monly used in your organiza	ion can be selected from the Request	Profiles tab.
Search Keyword	arch				
	sort By Display Name 💌			+ Add Selected to Cart	
Sea				+ Add Selected to Cart	

# 6.1.1.12

- Following screen will appear like below:
  - b. Click on Details form *L* to edit the user details
  - c. Select the Home Branch, User Language, Time Level
  - d. 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.



ORACLE	ldentity Se	elf Service			Sandboxes	Customiz	xelsysadm 👻 🚥
Home Users x Us	er Details : Nandh:	akuma × Account Acces	ss Request 🗙				
	Back	Add Access	Checkout	Cancel	Next	Nandhakum	ar Vemban 🎦
Cart Details ▶ Reques	t Information					Submit	Save As V
Cart Items							
Display Name	CUBE_GTC						xo
Request Details		с					Update
cont	ainerID			USERLANGUAGE	ENG	9	
	ID			TIMELEVEL	9	0,	
obje	ctclass			STARTDATE	4/25/2016		
	USERID NVEMBA	N-IN		EMAIL	nandhakumar.vemban@oracle.com		
USE	RNAME Nandhal	kumar Vemban		LDAPUSR	cn=NVEMBAN-IN,cn=Users,dc=ofss,dc=	-	
USERPASS	SWORD		0	Service Account			
HOMEB	RANCH 000		Q				
Copyright @ 2001, 2015, Orac	le and/or its affiliates	. All rights reserved					



### 6.1.1.13 Click on Submit.

e Us	ers 🗙 User Detail:	s : Nandhakuma 🗙 Account A	ccess Request >	•			
		Back Add Access	Checkou	Cancel	Next	Nandhakumar Ven	ıban 🎦
	etails					Submit Save	e As ▼
I	Request Inform	nation					
Cart	Items						
isplay							
0	FLEXCUBE_G	TC TC					× O
eque	t Details FLEXCU	IBE GTC					Update
eque.	C Details I EEXO	552_010					[opdate]
	Details						
/	containerID			USERLANGUAGE	ENG	0,	
- -	ID			TIMELEVEL	9	Q	
	objectclass			STARTDATE	4/25/2016		
	USERID	NVEMBAN-IN		EMAIL	nandhakumar.vemban@oracle.com		
	USERNAME	Nandhakumar Vemban			cn=NVEMBAN-IN,cn=Users,dc=ofss,dc	=	
			0	Service Account			
	LISERDAS SWORD		0				
	HOMEBRANCH	000	Q				

### 6.1.1.14 Click on Refresh in Accounts TAB.

								s Customize x	elsysadm 🔻
אכ	ACLE	Identity Self Se	ervice					Self Service	Mana
lome U	Jsers 🗙 User	Details : Nandhakuma	×						ľ
🔓 Na	andhakuma	ır Vemban							
/ Mo	odifv 🗸 E	nable 🖨 Disabl	e 🗙 Delete						
// WIL		napie 🔲 Disadi	ie 🛒 Delete	🔒 Lock Acco	unt 🚽 Uni	Lock Account 🛛 🔊	Reset Password	1	
<i>∦</i> wc				E Lock Acco	unt 🖬 Uni	Lock Account	Reset Password	3	
	-	itlements Accounts	-		unt 📑' Uni Imin Roles	Lock Account 🛛 🔊	Reset Password	1	
Attributes	-		Direct Reports	Organizations Ad			Reset Password		Detach
Attributes Actions	s Roles Ent	itlements Accounts	Direct Reports	Organizations Ad	fmin Roles Request Entitlen		🛱 Resource H		Detach End Da
Attributes	s Roles Ent s View View View	ittements Accounts	Direct Reports	Organizations Ad	fmin Roles Request Entitlen	nent 🔇 Refresh	🛱 Resource H	listory	

# 6.1.1.15 It will show the Requested Account and It's status.

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



ne l	Jsers 🗙 User D	etails : Nandhakuma	×						
S Na	andhakumar	Vemban							
				0.1	0.000		Deset Deserved		
/ M	odify 🗸 En	able 🔵 Disabl	e 🗙 Delete	🔒 Lock Acco	unt 👩 UnLoci	Account 🔊	Reset Password		
	s Roles Entit	lements Accounts	Direct Reports	0	min Roles				
tribute	s Roles Entit	lements Accounts	Direct Reports	Organizations Ad	min Roles				
Action	s 🔻 View 🔻	+ Request Accoun	ts 🧪 Modify Gra	ant Duration 🕂	Request Entitlement	() Refresh	🔅 Resource History	E <b>y</b>	Detach
	Application Instance	Resource	Account Name	Provisioned On	Status	Account Type	Request ID St	art Date	End Da
	FLEXCUBE_GTC	FLEXCUBE_GTC	24	4/25/2016	Provisioned	Primary	4/2	25/2016	
_	OID User	OID User	NVEMBAN-IN	4/25/2016	Provisioned	Primary	4/2	25/2016	
									F.

# 6.1.2 Modifying a user in FCUBS through OIM

### 6.1.2.1 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.

_									
אר	PACLE"	dentity Self Se	ervice					Self Service	📩 Mana
ome	Users x User De	etails : Nandhakuma.	x						[
🔒 N	Nandhakumar	Vemban							
- 🖉 N	Modify V Ena	ble 🖉 Disabl	e 🖌 🖌 Delete	A Lock Acco	unt 🚽 Un	Lock Account	Reset Password	1	
/ N	Modify 🗸 Ena	ble Oisabl	e 🗙 Delete	Lock Acco	unt 🗗 Un	Lock Account	) Reset Password	1	
2		ements Accounts			unt 💣 Un Imin Roles	Lock Account 🛒	) Reset Password	1	
Attribut	utes Roles Entitl	ements Accounts	Direct Reports	Organizations Ac	fmin Roles	~	-		
Attribut	utes Roles Entiti ons ▼ View ▼		Direct Reports	Organizations Ac		Lock Account	-		» »
Attribut	utes Roles Entitl	ements Accounts	Direct Reports	Organizations Ac	dmin Roles y Grant Duration	~	-		» » End Da
Attribut	utes Roles Entiti ons	ements Accounts Request Account Resource	Direct Reports	Organizations Ac	dmin Roles y Grant Duration	X Remove Accoun	ts 🖉 Make Pri	mary	
Attribut	ons View View Application	ements Accounts Request Account Resource	Direct Reports ts Modify Ac Account Name	Organizations Ac counts / Modify Provisioned On	dmin Roles y Grant Duration Status	X Remove Accoun	ts 🖉 Make Pri	mary Start Date	

### 6.1.2.2 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.



				Sandbox	es Customize xelsysadm 🔻 🚥
DRACLE	dentity Self Servic	e			Self Service Manage
ome Users x User D	etails : Nandhakuma 🗴	Modify Account ×	5		
lodify Account					Submit Save As 🔻
Target Users				Request Information	ition
Name					
Nandhakumar Vemban		0			
Cart Items					
Display Name					
24@FLEXC FLEXCUBE	UBE_GTC _GTC				× 0
Request Details 24@F	LEXCUBE_GTC				Update
/ Edit Accourt	t details				
containerI			HOMEBRANCH	000	Q
	)		USERLANGUAGE	ENG	Q
			TIMELEVEL	7	9
objectclas	5		TIMELEVEL	1	~
objectclas				4/25/2016	
	NVEMBANIN	1	STARTDATE		



6.1.2.3 Navigate to the Accounts >> Select FLEXCUBE\_GTC >> Resource History

	Users × Use	er Details : N	landhakuma	• ×						
🔓 N	andhakum	ar Vem	ban							
/ N	Nodify 🗸 🗸	Enable	Disable	e 🗙 Delete	🔒 Lock Acco	unt 🗹 Un	nLock Account	Reset Pass	word	
Attribute	es Roles E	Intitlements	Accounts	Direct Reports	Organizations Ad	dmin Roles				
Actio	ns 👻 View 👻	+ Req	uest Account	s 🥒 Modify Acc	counts 🥒 Modify	Grant Duration	💥 Remove Account	s 🖉 Mak	e Primary	» »
	Application Instance	Reso	urce	Account Name	Provisioned On	Status	Account Type	Request I	- Request Entit	tlement End Da
	FLEXCUBE_G	TC FLEX	CUBE_GTC	24	4/25/2016	Provisioned	Primary		V Enable	
	OID User	OID U	lser	NVEMBAN-IN	4/25/2016	Provisioned	Primary			
	•				II	1		_	Disable	4
FLEX	CUBE_GTC D	etail Informa	ation						() Refresh	
								f	🔅 Resource His	story
		Name	FLEXCUBE	E_GTC				- 4		
	Di	splav Name	FLEXCUBE	E GTC					Reset Passw	vord
				-						
		Туре								
		Category	<ul> <li>Application</li> </ul>	Instance						
		Description	FLEXCUBE	E_GTC						
	A	lit Objective								
	Aut	,								



### 6.1.2.4 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.).

LEXCUBE_GTC provision	ing details for Nandhak	kumar Vemban[NVEMBAN	-IN]	
esults 1-4 of 4		First   Previous   Next	Last	
ask Name	Task Status	Date Assigned	Assigned To	Retry
TIMELEVEL Updated	Completed	April 25, 2016	🖁 System Administrator [XELSYSADM]	
Create User	Completed	April 25, 2016	🖁 System Administrator [XELSYSADM]	
System Validation	Completed	April 25, 2016	🖁 System Administrator [XELSYSADM]	
				Retry
				Recity

# 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

# 6.1.3.1 Accounts>>Select FLEXCUBE\_GTC >>Click on Disable/Remove Accounts

								Sandt	boxes Customize	kelsysadm 🔻 🚥
)R/	ACLE	Identity	/ Self Se	rvice					Self Servic	e 🎝 Manage
ome L	Jsers 🗙 User	Details : Na	ndhakuma	×						
🔓 Na	Indhakuma	ar Vemb	an							
/ Mo	odify 🗸 E	nable	Disable	🗙 Delete	🔒 Lock Acco	unt 🗳 Uni	Lock Account 🔊	Reset Pass	word	
Attributes	s Roles En	titlements	Accounts	Direct Reports	Organizations Ad	min Roles				
Action	s 👻 View 👻	+ Requ	est Accounts	s 🧪 Modify Acc	counts 🧪 Modify	Grant Duration	X Remove Accounts	🖉 Mak	e Primary	» »
	Application Instance	Resou	rce	Account Name	Provisioned On	Status	Account Type	Request I	+ Request Entitler	nent End Da
	FLEXCUBE_GT	C FLEXC	UBE_GTC	24	4/25/2016	Provisioned	Primary		Enable	
	OID User	OID Us	er	NVEMBAN-IN	4/25/2016	Provisioned	Primary			
	•				III				Disable	
FLEXC	UBE_GTC De	tail Informat	ion						Refresh	
									Resource Histor	У
		Name	FLEXCUBE	_GTC						
	Dis	play Name	FLEXCUBE	_GTC					Reset Password	1
		Туре	Application	Instance						
		Category	Application	Instance						
	D	escription	FLEXCUBE	_GTC						
	Audi	Objective								
			·							





# 6.1.3.2 Disable Confirmation Screen will get displayed

b. Click on Submit.

	Sandboxes Customize xelsysadm 🗸 🖷
Home 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	X 0
ppyright © 2001, 2015, Oracle and/or its affiliates. All rights reserved	

### 6.1.3.3 Go to Accounts Tab and Click on Refresh.

a. On successful processing, it will display the FLEXCUBE\_GTC status as Disabled.

	Jsers × User De	tails : Nandhakuma.	×						
Na	Indhakumar	Vemban							
/ Mo	odify 🗸 Ena	ble Disabl	e 🗙 Delete	A Lock Acco	unt 🖻 Unl	Lock Account	Reset Password		
# MO			C A Delete	E LOCK ACCO			10301-0550010		
ributes	s Roles Entitle	ements Accounts	Direct Reports	Organizations Ad	min Roles				
Indutes	s Roles Ellun	Accounts	Direct Reports	Organizations Au	min Roles				
Actions	s 🔻 View 👻 🗉	Request Account	ts 🧪 Modify Ac	counts 🧪 Modify	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	Disabled	Primary		4/25/2016	
-	OID User	OID User	NVEMBAN-IN	4/25/2016	Provisioned	Primary		4/25/2016	
	٠								Þ.



# 6.1.4 Enabling a Disabled user in FCUBS through OIM

# 6.1.4.1 Accounts>>Select FLEXCUBE\_GTC >>Click on Enable

Instance     Instance       FLEXCUBE_GTC     FLEXCUBE_GTC       24     4/25/2016       Disabled     Primary       OID User     OID User       NVEMBAN-IN     4/25/2016       Provisioned     Primary	RACL		Identity Self Se	ervice				Sandt		nize xelsysa Service	Mar
Modify       ✓ Enable       Disable       X Delete       Account       Image: Construction of the construction	me Users <sub>×</sub>	× User De	Details : Nandhakuma	- x							
Actions • View •       + Request Accounts       / Modify Accounts       / Modify Grant Duration       % Remove Accounts       % Make Primary       >>         Application Instance       Resource       Account Name       Provisioned On       Status       Account Type       Request       + Request Entitlement       Entitlemen	Nodify	🗸 Enal	nable Oisable				ock Account     චු	) Reset Pass	word		
Instance     Resource     Recount Name     Provisioned on     Status     Recount type     Request       FLEXCUBE_GTC     FLEXCUBE_GTC     24     4/25/2016     Disabled     Primary       OID User     OID User     NVEMBAN-IN     4/25/2016     Provisioned     Primary	Actions  Vie	view 🔻 🖛	- Request Account	s 🥒 Modify Acc	ounts 🧪 Modify	Grant Duration		, in the second se			× End D
OID User OID User NVEMBAN-IN 4/25/2016 Provisioned Primary								Request	-		
		-	_						Enable		
	OID Use	ser	OID User	NVEMBAN-IN	4/25/2016		Primary		Disable		_
FLEXCUBE_GTC Detail Information   C Refresh  Resource History	FLEXCUBE_GTO	GTC Detail	ail Information						ζ ) Refresh	History	
Name     FLEXCUBE_GTC       Display Name     FLEXCUBE_GTC		Display		-					Reset Pas	sword	

6.1.4.2 Enable Confirmation Screen will get displayed and Click on Submit

	Sandboxes Customize xelsysadm 🗸 🖬
iome Users x User Details : Nandhakuma x Enable Accounts x	
Enable Accounts	Submit Save As 🔻
⊿ Target Users	Request Information
Name	
Nandhakumar Vemban	
✓ Cart Items	
Display Name	
24@FLEXCUBE_GTC FLEXCUBE_GTC	× 0
pyright © 2001, 2015, Oracle and/or its affiliates. All rights reserved	

# 6.1.4.3 Go to Accounts TAB and Click on Refresh.

a. On successful processing, it will display the FLEXCUBE\_GTC status as Enabled.



kumar	Vembon							
	venipali							
		a 👻 Dalata		0.114	ook Account	Depat Depayword		
V Enal	Die Disabl	e 💢 Delete	E LOCK ACCO	unt 🔂 Unl	OCK ACCOUNT	Reset Password		
e Entitle	ments Accounts	Direct Reports	Organizations Ad	min Roles				
.5 211000	Accounts	Direct Kepolts	organizadons Au					
ew 🕶 🖃	Request Account	ts 🧪 Modify Acc	counts 🧪 Modify	Grant Duration	🗙 Remove Account	s 🖉 Make Prir	пагу	» »
	Resource	Account Name	Provisioned On	Status	Account Type	Request ID	Start Date	End Da
JBE_GTC	FLEXCUBE_GTC	24	4/25/2016	Enabled	Primary		4/25/2016	
er	OID User	NVEMBAN-IN	4/25/2016	Provisioned	Primary		4/25/2016	
91								
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#### 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.

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

ORACLE Identity S	ystem Administration	Accessibility	Sandboxes	Help	Sign Out	xelsysadm	
a Organization	A						
👪 Role							
📖 Catalog							
System Configuration							
😹 Home Organization Policy							
🔜 Self Service Capabilities							
🍘 Lookups							
Role Categories							
Cheduler							
A Notification	·						
Configuration Properties							
💁 Import	E						
1 Export							
🔺 Upgrade							
🚨 Upgrade User Form							
🚳 Upgrade Role Form							
😹 Upgrade Organization Form							
۰ III )							

6.1.5.2 Under System Management tab and search for FLEXCUBE\_GTC Scheduled Job by clicking Search Button.

ORACLE' Identity System Administ	ration	Signed in as xelsysadm Help 🧲
Event Management Policies System Man	agement	
Scheduler Notification System Configuration	Welcome Welcome to Identity System Administration	
Advanced Search       Actions • View •     Image: Constraint of the search conducted.	Event Management	
	Policies S Search Approval Policies	
	System Hanagement Search Scheduled Jobs Search Notification Templates 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.



Service         Service           Autor double / doub		
Service         Service           Autor double / doub	Event Management Policies System F	Rangement
Workenstein           Norma         Norma           Norma         No	Scheduler Notification System Configuration	
Aburdation       See 1         See 1       See 1         Aburdation       See 1	Search Scheduled Jobs	Wekome
Aburdation       See	+	Welcome to Identity System Administration
Kore       No         Kore       No         Kore       No         Note       Note         Note       No         Note       No         No       No         No       No         No       No         No       No         No       No	Advanced Search	
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GravB00 Ceeks Is: Steppel           Birethy Addr Han - Steppel           Birethy Addr Han - Steppel           Birethy Addr Han - Steppel           Diversity Adv Steppel	Form Upgrade Job Stopped	
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		* Indicates required fields. Apply Run Now Stop Enable Disable Refresh
		Run the job now
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	*Retries 0	
Job Periodic Settings		
	Run every 1	
	days 💌	
Job Status		
	Current Status Stopped	
	Last Run Start April 25, 2016 5:35:15 PM IST Last Run End April 25, 2016 5:35:16 PM IST	
Nex	Last kun Emis Apri 23, AUS 333126 PM IST Scheduler Run	
IVEX		
Parameters		
	onnector Name FLEXCUBE	
	ITResource FLEXCUBE_GTC	

	stration	Signed in as xelaysadm Help
Event Hanagement Policies System M		
Scheduler Notification System Configuration	and point of	
	Websame Job Details	
Search Scheduled Jobs		
Advanced Search	Job Details : FLEXCUBE_GTC	* 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 Automatically Unio Stopped	Tesk FLEXCUEE_GTC Oran	
Buk Load Archival Stopped	Task TEXCURE_GITC Con * Start Data Taraver, 1970 5:00:00 # \$\$ (UTC+05:30) Calcutta -Inda Time (IT) Schedule Type Single	
Bulk Load Post Pro Stopped	* Retries 0 O No pre-defined schedule	
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Entitlement Assign Stopped	Job Status	
Entitlement List Stopped	Current Status Stopped	
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FLEX_UsrLang_Sch Stopped	Parameters	
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Get SOD Check Re Stopped Get SOD Check Re Stopped	ITResource FLEXCUBE_GTC	
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LDAPSync Post En Stopped	Partie on and a set of the set of	



6.1.5.3 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.

ment Policies System Ha	sagement		
nciliation Events	Welcome Job Details Event Details: ID 1		
	Refresh		
<ul> <li>Note Name</li> <li>Rev Reds</li> <li>Rev Reds</li> <li>Rev Reds</li> <li>Rev Reds</li> </ul>	Rvest Event D 1 Gamet Shate Update Succeeded Estity: Account Tarse Changing Kay Helis INSERIATI Action Date studyed	Detrie and Terrer Ayrd 20, 2016 53/55 594 537 36: Dio 79/4 Resource Name FEDIOLOGY, GTC Profestioner FEDIOLOGY, GTC Woodfer Di Setama Larer Ref y Court S	
	Lieled To Unicef Der WODBAN-9 - Nech dune Verban Unide Knamel 10: 24 Ansamel 10: 24	Linked By Rule Stand Linking	
	Notes Notes		
	Reconclusion Data Histohed Accounts Histohed Datas Histohed Manager Angel Production Product P		
	Instance         Instance         Instance           USENVE         North Name Y         Instance           SIRE         Anit, XII 2005         SIRE           VISEN         Modeland         SIRE           VISEN         Modeland         VISEN		

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.

Event Management     Volkes     System Hanagement       Reconciliation     Search Reconciliation Events         Advanced Search	Search Reconciliation Events         Advanced Search         Actors - Wen · · · · · · · · · · · · · · · · · · ·	DRACLE Identity System Admir	histration					Signed in as xelsysadm	n H
Search Reconciliation Events     Achanced Search     Achanced Real Colume Achance Achanced FlackAcount Searched   Balanced Transport   Achanced Real Colume Achanced FlackAcount Searched   Inhead Network   Achanced Real Colume Achanced Real Colume Achanced Real Col	Search Reconciliation Events       Velcome       Event D       Job Details: D 2         Advanced Search       Image: Search       Image: Search       Image: Search       Dete and Time       August 26, 2014 3/02-46 PM IST         Event ID       Image: Search       Image: Search       Dete and Time       August 26, 2014 3/02-46 PM IST         Event ID       Image: Search       Image: Search       Dete and Time       August 26, 2014 3/02-46 PM IST         Event ID       Image: Search       Image: Search       Dete and Time       August 26, 2014 3/02-46 PM IST         Event ID       Image: Search       Dete and Time       August 26, 2014 3/02-46 PM IST       Job DM 4/48         Event ID       Current Status No User Natch Found       Job DM 4/48       Dete and Time       August 26, 2014 3/02-46 PM IST         I       REDKUBE_GTC       Wolker       Changolog       Profile Name       REDKUBE_GTC         I       Notes       Type       Changolog       Profile Name       REDKUBE_GTC         I       Inked No       Image: Note Name       Action Date not specified       Retry Count 5         I       Inked To       Image: Note Name       Image: Note Name       Action Date not specified       Retry Count 5         Image: Note Name       Notes       Notes       Notes	Event Management Policies System	Management						
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			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 <sup>®</sup> 11g Administration Console		
112	Log in to work with th Username: Password:	Welcome e WebLogic Server domain weblogic 
WebLogic Server Version: 10.3.5.0 Copyright © 1996;0010, 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.		



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: IDMDoma
View changes and restarts		Home >Summary of	f JDBC Data Sources			
Click the Lock & Edit button to modify, add or delete items in this domain.	5	Summary of JDBC	Data Sources			
		Configuration	Monitoring			
Look & Edit Release Configuration			e is an object bound to the JNDI		database connectivity through a pool of JDB	C connections. Applications can look up a data source on the JNDI tree and then
Domain Structure						
DMDomain	*	This page summar	izes the JDBC data source object	s that have been o	rreated in this domain.	
Environment     Deployments     Services     E-Messaging		Customize this				
Data Sources	=		iltered - More Columns Exist dit button in the Change Center		buttons on this page.	
Foreign JNDI Providers Work Contexts XML Registries		New ~ Dele	te			Showing 1 to 10 of 19 Previous   Next
XML Entity Caches		🔲 Name 🐟		Туре	JNDI Name	Targets
jCOM		EDNDataSou	rce	Generic	idbc/EDNDataSource	soa_server1
Mail Sessions	-	EDNLocalTxt		Generic	jdbc/EDNLocalTxDataSource	soa server1
How do I		fcjDevDS		Generic	jdbc/fcjDevDS	Applications
Create JDBC generic data sources		fcjdevDS11		Generic	jdbc/fcjdevDS11	Applications
Create 3DBC generic data sources     Create 1DBC GridLink data sources		fcjdevDS120		Generic	jdbc/fcjdevDS120	Applications
Create JDBC multi data sources		FCUBS		Generic	jdbc/fcjdevDS	AdminServer, Applications
<ul> <li>Delete JDBC data sources</li> </ul>		FCUBS120_)	A	Generic	jdbc/fcjdevDS120_XA	Applications
<ul> <li>Delete JDBC multi data sources</li> </ul>		FCUBSSched	uler	Generic	jdbc/fcjSchedulerDS	Applications
System Status		jdbc/registry	DS	Generic	jdbc/registryDS	wls_ods1, wls_oif1, osr_server1
		mds-oim		Generic	jdbc/mds/MDS_REPOS	oim_server1
Health of Running Servers		New - Dele	te			Showing 1 to 10 of 19 Previous   Next
Failed (0)						
Critical (0)	14					
Overloaded (0)						
Warning (0)						
OK (5)						

5. Click on Lock & Edit as shown below.

hange Center		🚹 Home Log Out Preferences 🔤 Re	cord Help	Q	Welcome, weblogic Connected to: IDMDoma
iew changes and restarts		Home >Summary of JDBC Data Source	5		
ick the Lock & Edit button to modify, add or		Summary of JDBC Data Sources			
elete items in this domain.		Configuration Monitoring			
Lock & Edit					
Release Configuration		A 1DBC data source is an object bound	to the INDI tree that provide	s database connectivity through a pool of 1DBC	connections. Applications can look up a data source on the JNDI tree and then
	-	borrow a database connection from a c			
omain Structure		This page summarizes the JDBC data se	ource objects that have been	created in this domain.	
MDomain I-Environment	<b>^</b>				
Deployments		Customize this table			
Services		Customize this table			
Messaging     Data Sources	=	Data Sources (Filtered - More Colu	ımns Exist)		
Persistent Stores		Click the Lock & Edit button in the Cha	inge Center to activate all the	buttons on this page.	
-Foreign JNDI Providers			-		
Work Contexts		New ~ Delete			Showing 1 to 10 of 19 Previous   Next
XML Registries XML Entity Caches		Name 🗞	Туре	INDI Name	Targets
iCOM					
Mail Sessions		EDNDataSource	Generic	jdbc/EDNDataSource	soa_server1
File T3		EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1
ow do I	-	fcjDevDS	Generic	jdbc/fcjDevDS	Applications
Create JDBC generic data sources		fcjdevDS11	Generic	jdbc/fcjdevDS11	Applications
Create JDBC GridLink data sources		fcjdevDS120	Generic	jdbc/fcjdevDS120	Applications
Create JDBC multi data sources		FCUBS	Generic	jdbc/fcjdevDS	AdminServer, Applications
Delete JDBC data sources		FCUBS120_XA	Generic	jdbc/fcjdevDS120_XA	Applications
Delete JDBC multi data sources		ECUBSScheduler	Generic	jdbc/fcjSchedulerDS	Applications
vstem Status		jdbc/registryDS	Generic	jdbc/registryDS	wls_ods1, wls_oif1, osr_server1
ealth of Running Servers		mds-oim	Generic	jdbc/mds/MDS_REPOS	oim_server1
-		New ~ Delete			Showing 1 to 10 of 19 Previous   Next
Failed (0)					
Critical (0)	14				
Overloaded (0)					
Warning (0)					
OK (5)					
ebLogic Server Version: 10.3.5.0	_				



6. Expand New and click on Generic Data Source.

hange Center	Home Log Out Preferences 🔤 Reco	rd Help	Q	Welcome, weblogic Connected to: IDMDor
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 Jomain.	Summary of JDBC Data Sources			
Lock & Edit				
Release Configuration	A JDBC data source is an object bound to borrow a database connection from a da		database connectivity through a pool of JDBC c	onnections. Applications can look up a data source on the JNDI tree and then
Domain Structure	This page summarizes the JDBC data sou	rce objects that have been o	reated in this domain.	
DMDomain Environment Deployments	Customize this table			
-Services	Data Sources (Filtered - More Colum	nns Exist)		
	E New - Delete			Showing 1 to 10 of 19 Previous   Next
Foreign JNDI Providers	Generic Data Source	Туре	JNDI Name	Targets
Work Contexts XML Registries	GridLink Data Source	Generic	jdbc/EDNDataSource	soa server1
XML Registries	Multi Data Source	Generic	idbc/EDNLocalTxDataSource	soa_server1
jCOM Mail Sessions	fcjDevDS	Generic	jdbc/fcjDevDS	- Applications
-File T3	<ul> <li>fcjdevDS11</li> </ul>	Generic	jdbc/fcjdevDS11	Applications
łow do I	E fcjdevDS120	Generic	jdbc/fcjdevDS120	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
<ul> <li>Delete JDBC data sources</li> </ul>	jdbc/registryDS	Generic	jdbc/registryDS	wls_ods1, wls_oif1, osr_server1
<ul> <li>Delete JDBC multi data sources</li> </ul>	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)				

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



	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 buttion to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC Data Source Back Next Finish Cancel JDBC Data Source Properties The following properties will be used to ident * Indicates required fields	tfy your new JDBC data source.	
IDMDomain  G-Environment  -Deployments  Services  B-Ressaing	What would you like to name your new JDBC of the second se	data source? OIM	
Outa Sources     Persistent Stores     Foreign JPDI Providers     Work Contexts     Work Contexts     Work Registries     Work Registries     -you, Inity Caches     -icom     Mail Sessions     Full Sessions     Full Sessions	What JNDI name would you like to assign to y	our new JOBC Data Source?	
How do I			
Create JDBC generic data sources     Create LLR-enabled JDBC data sources	What database type would you like to select?		
- Create Lett enabled 300c data address	Database Type:	Oracle	
System Status	Back Next Finish Cancel		
Feiled (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 registared trademark of Oracle Corporation		of their respective 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	come, 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 Finish Cancel JDBC Data Source Properties The following properties will be used to identify your new JDBC data source.	
Domain Structure	Database Type: Orade	
B: Environments       Depolyments       Depolyments       B: Services       H: Messaging       D-Data Sources       Persistent Stores       H: Foreign JND Providers       -Work Contexts       -Wink	What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLogic Server         Database Driver:       *Oracle's Driver (Thin) for Instance connections; Versions: 9.0.1 and later         Back:       Neat	
System Status  Health of Running Servers		
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           Ok (5)		
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We get the following screen in which un-check Supports Global Transactions and click on Next.



	deviation for any local sector of the sector	
CIEVACEC WebLogic Server		
Change Center	😭 Home Log Out Preferences 🔝 Record Help	nain
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         Finish         Cancel           Transaction Options         You have selected non-XA JDBC driver to create database connection in your new data source.	
Domain Structure IDMDomain	Does this data source support global transactions? If yes, please choose the transaction protocol for this data source.  Supports Global Transactions	
Deployments     Services     end     def Messaging     -Data Sources     -Paria Sources     -Persistent Stores    Foreign JNDI Providers	Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transactions using the <i>Logging Last Resource</i> (LLR) transaction optimization. Recommended in place of Emulate Two-Phase Commt.	
Work Contexts XML Registries XML Entity Caches 	Select this option if you want to enable non-XA JOBC connections from the data source to emulate participation in global transactions using JTA. Select this option only if your application can tolerate heuristic conditions.  Emulate Two-Phase Commit	
How do I	Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transactions using the one-phase commit transaction processing. With this option, no other resources can participate in the global transaction.	
Create JDBC generic data sources	Interpretation in the second secon	
Create LLR-enabled JDBC data sources	Back Next Finish Cancel	
System Status 🗆		
Health of Running Servers		
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (5)		
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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 Net Printh Concel  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 	Port: 1521	
Mail Sessions	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 Ned 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.



ORACLE WebLogic Server® A	Administration 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	Messages		
Configuration button to allow others to edit the	Connection test succeeded.		
domain.			
Look & Edit	Create a New JDBC Data Source		
Delana Cartanatian	Test Configuration Back Next Finish Cancel		
Release Configuration			
Domain Structure	Test Database Connection		
IDMDomain *	Test the database availability and the connection properties you pro-	ovided.	
Environment	What is the full package name of JDBC driver class used to create da	takana connections in the connection and 3	
Deployments	what is the full package name of JOBC briver class used to create da	cabase connections in the connection poor?	
Services     Development	(Note that this driver class must be in the classpath of any server to	which it is deployed.)	
Data Sources			
Persistent Stores	Driver Class Name:	oracle.idbc.OracleDriv	
Foreign JNDI Providers		oracle.jubc.oraclebitv	
XML Registries	What is the URL of the database to connect to? The format of the UF	N. varies by IDBC driver.	
XML Entity Caches			
jCOM	URL:	jdbc:oracle:thin:@10.18	
Mail Sessions			
	What database account user name do you want to use to create dat	abase connections?	
How do I	Database User Name:		
Create JDBC generic data sources	Database Oser Name:	DAY0114	
Create LLR-enabled JDBC data sources	What is the database account password to use to create database of		
System Status	(Note: for secure password management, enter the password in the	Password field instead of the Properties field below)	
Health of Running Servers			
	Password:	•••••	
Failed (0)			
Critical (0)	Confirm Password:	•••••	
Overloaded (0)			
Warning (0)	What are the properties to pass to the JDBC driver when creating da	tabase connections?	
OK (5)			
	Properties:		
	user=DAY0114		
	The set of driver properties whose values are derived at runtime from	n the named system property.	



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

lange Center	🖆	Home Log Out Preferences 📐 Record	i Help	Q	Welcome, weblogic Connected to: IDMD
ew changes and restarts	-	Iome >Summary of JDBC Data Sources			
ending changes exist. They must be activated take effect.		mmary of JDBC Data Sources			
Activate Changes Undo All Changes				database connectivity through a pool of JDBC co	nnections. Applications can look up a data source on the JNDI tree and then
MDomain A		porrow a database connection from a data This page summarizes the JDBC data sourc		eated in this domain.	
-Environment Deployments Services	Þ	Customize this table			
Messaging     Data Sources     Persistent Stores     Foreign JNDI Providers	Data Sources (riltered - More Columns Exist)           New v         Delete				Showing 1 to 10 of 20 Previous   Ne
Work Contexts		🔲 Name 🗇	Туре	JNDI Name	Targets
XML Registries		EDNDataSource	Generic	jdbc/EDNDataSource	soa_server1
jCOM		EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1
		fcjDevDS	Generic	jdbc/fcjDevDS	Applications
ow do I	11	fcjdevDS11	Generic	jdbc/fcjdevDS11	Applications
		fcjdevDS120	Generic	jdbc/fcjdevDS120	Applications
Create JDBC generic data sources Create IDBC GridLink data sources		FCUBS	Generic	jdbc/fcjdevDS	AdminServer, Applications
Create JDBC GridLink 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
	1	mds-oim	Generic	jdbc/mds/MDS_REPOS	oim_server1
/stem Status 📃		New - Delete			Showing 1 to 10 of 20 Previous   No
ealth of Running Servers					
Failed (0)	I –				
Critical (0)					
Overloaded (0)					
Warning (0) OK (5)					
UK (5)					



## ORACLE

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

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

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