Oracle Identity Manager Integration Implementation Guide Oracle FLEXCUBE Investor Servicing Release 14.4.0.0.0 [July] [2020]



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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).

Scope

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

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

Introduction to Oracle Identity Manager

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

Advantage

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



2. Requirements/ Problem Statement

The requirement is to integrate FCIS with Oracle Identity Manager for FCIS user provisioning and deprovisioning services with and without FCIS 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	4	FUSION MIDDLEWARE 11
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>F</u> rontEnd URL:	
Configuration Progress	KeyStore <u>P</u> assword:	••••••
	Confirm KeyStore Password:	•••••
	Enable OIM for Suite integrati	ion
	long. Must begin with an alphaber 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(:), forward slash(/), curly braces({}), tion mark(?), dot(.), asterisk(*) or pound (#)
Help		< <u>Back</u> Next > Einish 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>/connectors/oid

For example:

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

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

The above directory <oid> has to be copied into

<Oracle_Middleware>/<OIM_HOME>/server/ConnectorDefaultDirectory

> Configuring Oracle Identity Manager Design Console

3.2 Oracle FLEXCUBE Component Required

Oracle 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

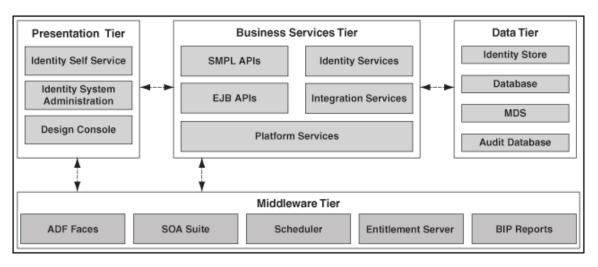
The Adapter Factory, Kernel Orchestration mechanism, Context Manager, and Plug-in Framework are designed to eliminate the need for hard-coding integrations with these systems.

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

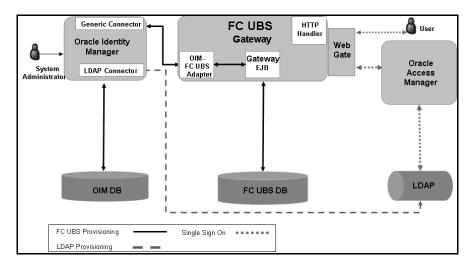
With the integration of FCIS and Oracle Identity Manager, a user can be created, modified, closed, and reopened in FCIS. Oracle Identity Manager acts as the front-end entry point for managing mandatory fields of FCIS user. After users are provisioned, the users can access the FCIS without any interaction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

Design

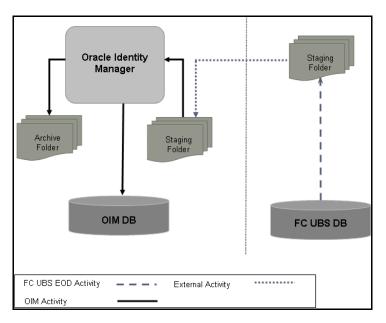
For the purpose of integration of Oracle Identity manager and FCIS "Generic technology connector" (GTC) has been used. GTC provides out of box providers for provisioning and reconciliation.

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

4.2.1 Provisioning Design Architecture



4.2.2 Reconciliation Design Architecture





4.2.3 Design Constraints

The followings are the design constraints for this integration:

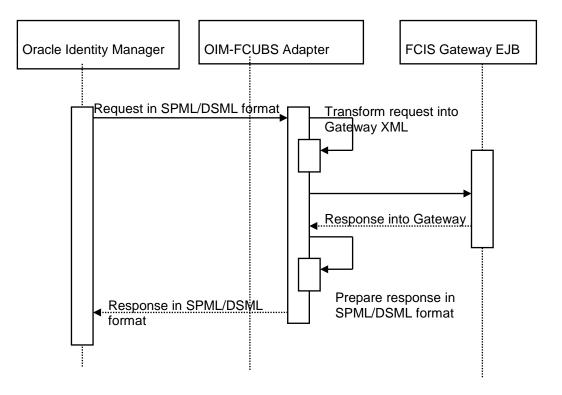
- This integration is based upon sample configuration containing only mandatory fields of FCIS user while defining the GTC. Other fields can be defined in the GTC using the same configurations.
- Due to specific data requirement for FCIS user creation, only manual provisioning method can be used for FCIS provisioning.
- User role is not taken up in this integration and the FCIS user will not be associated with any role at the time of user creation.
- A common FCIS maker id will be used for user creation that is maintained as property in a property file.
- OIM does not allow ASCII special characters e.g. ampersand, colon, braces etc. Apart from this, OIM also does not allow multiple consecutive occurrences of some of special ASCII character like underscore etc.

4.2.4 Message Flow

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

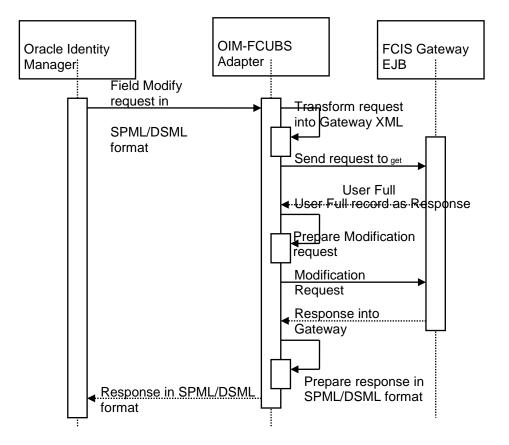
Following gives the sequence of the message exchanges between the adapter and FCIS Gateway EJB for user provisioning that are initiated from OIM.

4.2.4.1 Message exchange sequence for User Creation



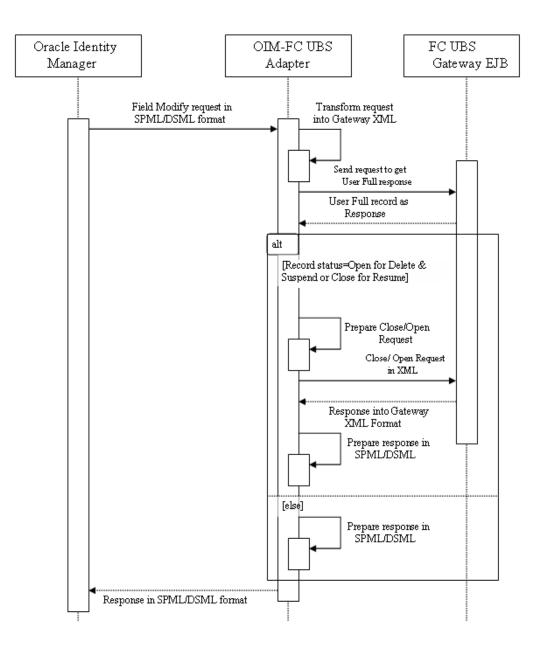


4.2.4.2 Message exchange sequence for User Field Modification/Set Password





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





5. Installation / Configuration

5.1 Environment Setup/ Configurations

Oracle FLEXCUBE - OIM Integration environment setup requires

- OIM FLEXCUBE Adapter setup and 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 "SHA256withRSA" -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

	Administration Console					Q
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Q		Wel	come, weblogic Connected to: oil	m_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 oin_domain	A server is an instance of WebLogic Server that ru This page summarizes each server that has been of (2) (2) (2) (2) (2) (2) (2) (2)		t configuration.	Health	Showing 1 to 3 of 3 Previous	Next
How do L.,	AdminServer(admin)		RUNNING	🗸 ок	7001	_
Create Managed Servers	oim_server1		RUNNING	✓ ок	24000 8001	_
Clone Servers Delete Managed Servers Delete the Administration Server	New Clone Delete		Konnand	+ or	Showing 1 to 3 of 3 Previous	Next
Start and stop servers						
System Status 🖂						
Health of Running Servers						
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)						



5.1.1.2.2 Follow the steps in General Tab as shown below:

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

Domain Structure	General Cluster Services Keystore	s SSL Federation Services Deployment Migration Tuni	ng Overload Health Monitoring Server Start Web Services
tam_domain ▲ E-Environment Servers Utuaters Utuaters Utuaters Utuaters Utuaters Utuaters Utuaters Utuaters Utuaters Utuaters Utuaters Utuaters Utuaters 	Save Use this page to configure general features View JNDI Tree	of this server such as default network communications.	
Coherence Clusters Machines	Name:	AdminServer	An alphanumeric name for this server instance. More Info
Work ManagersStartup and Shutdown Classes	Machine:	(None)	The WebLogic Server host computer (machine) on which this server is meant to run. More Info
How do I	Cluster:	(Standalone)	The duster, or group of WebLogic Server instances, to which this server belongs. More Info
Configure default network connections Create and configure machines	🚝 Listen Address:		The IP address or DNS name this server uses to listen for incoming connections. More Info
Configure dusters Start and stop servers Configure WLDF diagnostic volume	🗑 Listen Port Enabled		Specifies whether this server can be reached through the default plain-text (non-SSL) listen port. More Info
System Status	Listen Port:	7001	The default TCP port that this server uses to listen for regular (non-SSL) incoming connections. More Info
Health of Running Servers Failed (0)	SSL Listen Port Enabled		Indicates whether the server can be reached through the default SSL listen port. More Info
Critical (0) Overloaded (0) Warning (0)	SSL Listen Port:	7002	The TCP/IP port at which this server listens for SSL connection requests. More Info
OK (3)	🖉 🏠 Client Cert Proxy Enabled		Specifies whether the Http://usterServlet.proxies the client certificate in a special header. More Info
	Java Compiler:	javac	The Java compiler to use for all applications hosted on this server that need to compile Java code. More Info
	Diagnostic Volume:	Low	Specifies the volume of degrostic data that is automatically produced by Weblagic Server at run time. Note that the WLDF degrostic volume setting does not affect explority complicated degrostic models. For example, this controls the volume of events generated for 3Rodal Flight Recorder. More Info
	- 🖓 Advanced		
	Virtual Machine Name:	iam_domain_AdminSe	When WLS is running on JRVE, this specifies the name of the virtual machine running this server More Info
	🗹 🖑 WebLogic Plug-In Enabled		Specifies whether this server uses the proprietary WL-Proxy-Client-IP header, which is recommended if the server instance will receive requests from a proxy plug-in. More Info

5.1.1.2.3 Follow the steps in Keystores Tab as shown below:

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

ORACLE WebLogic Server*	Administration Console
Change Center	😰 Hame Log Out Preferences 🐼 Record: Http:://www.domain.
View changes and restarts	Home Houmany of Servers Adulationar
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changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Protocols Logging Debug Handoring Control Deployments Services Security Notes
Domain Structure	General Ouster Services Exystemes 53. Pederation Services Deployment Nigration Tuning Overload Health Monitoring Server Start Web Services
am Jonan The Dratoward Servers - Cutters - What Herb - What Herb - What Herb - What Herb - Coherco Servers - Coherco Servers - Wash Managers - Santa and Stutchen Disases - Diploments - Servers Jinates - Ken obji	Same Cancel Advancements the secure storage and management of private keys and trusted certificate authorities (DA). The page kets you view and define various keystare canfigurations. These settings help you to manage the security of message transmissions. Keystones: Demo identity and Demo Trust which configuration rules should be used for finding the server's identity and trust is should be used for finding the server's identity and trust is should be used for finding the server's identity and trust is should be used for finding the server's identity and trust is should be used for finding the server's identity and trust is should be used for finding the server's identity and trust is should be used for finding the server's identity and trust is used in finding the server's identity and trust is used in the trust is used in the territy and the territy and trust is used in the territy is used in the
How do L.	
Configure identity and trust Configure largetones Set up SSL	
System Status	
Health of Running Servers	
Paled (0) Critical (0) Diverloaded (0) Warning (0) CK (0)	



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.
- 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.

	dministration	Console											Q
Change Center	🟦 Home Log	Out Preferenc	es 📐 Record He	lp	G	<u> </u>					Welcome, w	eblogic	Connected to: iam_domain
View changes and restarts	Home >Summa	ary of Servers >	AdminServer										
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for A	dminServer											
modify, add or delete items in this domain.	Configuratio	n Protocols	Logging Debu	g Monitoring	Control	Deployments	Services	Security	Notes				
Domain Structure	General Cl	uster Service	es Keystores	SSL Federa	tion Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Se	ervices
iam_domain Environment Servers Custers Custers Wind Hosts Migratable Targets Coherence Servers Coherence Servers Sartup and Shutdown Classes Services Services Services	you to manag Keystores: — Identity — Custom Iden		of message transmi		Custom Id	irusted certificat entity and Custo beKeyStore.j	m Trust Ch	ange	Which o trust ke pp/fmw11	configuration rules sh eystores? More Info	ould be used for	finding th dminFle:	ons. These settings help e server's identity and kcubeKeyStore.jks
How do I • Configure identity and trust • Configure keystores • Set up SSL			e Passphrase: Keystore Passph	irase:	•••••					crypted custom ident store will be opened			If empty or null, then ore Info
System Status	— Trust —				_								
Health of Running Servers Failed (0)	Custom Trus	it Keystore:			nFlexcu	beKeyStore.j		scratch/a	1.1.2	5/oam1115/Base	- 1		xcubeKeyStore.jks
Critical (0) Overloaded (0)	Custom Trus	t Keystore T	ype:		jks				The typ	oe of the keystore. G	enerally, this is J	iks. More	e Info
Warning (0) OK (3)	Custom Trus	t Keystore P	assphrase:		•••••	•••••	••			stom trust keystore's opened without a pas			ull, then the keystore
	Confirm Cust	tom Trust Ke	ystore Passphra	se:	•••••	•••••	••						



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 🔤 Recon	d Help	Q					Welcome, weble	ogic Connected to: iar	m_domain
View changes and restarts	Home >Summary of Servers >AdminServer									
Configuration editing is enabled. Future	Settings for AdminServer									
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Protocols Logging	Debug Monitoring Control	Deployments	Services	Security	Notes				
Domain Structure	General Cluster Services Keystores	SSL Federation Services	Deployment	Migration	Tuning	Overload	Health Monitoring	Server Start	Web Services	
iam_domain	Save									
Environment Servers										
Clusters	This page lets you view and define various	Secure Sockets Laver (SSL) se	ttings for this sen	ver instance.	These setti	nas help va	ou to manage the sec	urity of message (ransmissions.	
····Virtual Hosts							,			
Migratable Targets Coherence Servers	A Identity and Trust Locations:	Keystores Change				Indicate	e where SSL should f	ind the converts id	entity (certificate and p	vrivate
Coherence Clusters	and must cocations.	Reystores Change					well as the server's tr			ATVOCC
Machines	- Identity									
Work Managers Startup and Shutdown Classes	Private Key Location:	from Custom Identity Keyst				The last	and the second second second		of the private key file.	
Deployments	Private Rey Location:	from Custom Identity Keyst	ore			Info	store attribute that o	ennes the location	f of the private key file.	more
E - Services										
Security Realms	Private Key Alias:	FlexcubeCert				The key the serv	store attribute that d er's private kev. Mo	efines the string a re Info	lias used to store and r	retrieve
How do I 🗆										
Configure identity and trust	🏀 Private Key Passphrase:						store attribute that d private key. More I		rase used to retrieve the	e
Set up SSL						Servers	private key. Hore I			
Verify host name verification is enabled	街 Confirm Private Key Passphrase:									
Configure a custom host name verifier										
Configure two-way SSL	Certificate Location:	from Custom Identity Keyst	ore				store attribute that d	efines the location	of the trusted	
						certifica	te. More Info			
System Status 🖂	- Trust									
Health of Running Servers	Trusted Certificate Authorities:	from Custom Trust Keyston					store attribute that d	efines the location	of the certificate	
Failed (0)						authorit	ies. More Info			
Critical (0)	— 🖓 Advanced —									
Overloaded (0)	🚝 Hostname Verification:	None	•			Specifie	s whether to ignore t	he installed imple	mentation of the	
Warning (0)		Custom Hostname Ve	rifier			weblogi	c.security.SSL.Hostna ent to another applica	meVerifier interfa	ce (when this server is a	acting
OK (2)		BEA Hostname Verifi	er				nic to another applica	uon server). Mo	ie 1110	
	🚱 Custom Hostname Verifier:	None				The nar	ne of the class that in	plements the		
1						weblogi	c.security.SSL.Hostna	meVerifier interfa	ce. More Info	
	Export Key Lifespan:	500				Indicate	s the number of time	s WebLogic Serve	r can use an exportable	e kev
		500				betweer	n a domestic server a	nd an exportable	client before generating ver to be, the fewer time	a new
							uld be used before ge			uie l
	Use Server Certs					Sets wh	ether the client shoul	d use the server of	ertificates/key as the cl	lient



5.1.1.2.6 Select OIM Server and 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		We	elcome, weblogic Connected to: oim_doma
iew changes and restarts	Home >Summary of Servers				
onfiguration editing is enabled. Future	Summary of Servers				
hanges will automatically be activated as you lodify, add or delete items in this domain.	Configuration Control				
omain Structure m_domain - Environment Servers	<u></u>	ic Server that runs in its own Java Virtual M that has been configured in the current We			
Clusters Virtual Hosts Migratable Targets	£5				
Coherence Servers Coherence Clusters Machines	Servers (Filtered - More Colur	mns Exist)			
Work Managers Startup and Shutdown Classes	New Clone Delete				Showing 1 to 3 of 3 Previous Next
-Services	🔲 Name 🐟	Cluster	Machine State	Health	Listen Port
	AdminServer(admin)		RUNNI	NG 🗸 OK	7001
ow do I	oim_server1		RUNNI	NG 🗸 OK	24000
Create Managed Servers	soa_server1		RUNNI	NG 🗸 OK	8001
Clone Servers Delete Managed Servers Delete the Administration Server	New Clone Delete				Showing 1 to 3 of 3 Previous Next
Start and stop servers					
ystem Status	=				
ealth of Running Servers					
Failed (0)					
Critical (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 <u>5.1.5.23</u>. We have to have a two way handshake between GTC Connector Server and the Application Server, where FCUBSProvisioningAdService web service deployed.

5.1.2.1 Export the KeyStore Certificate in 5.1.1.1.1

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

For Example:

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

5.1.2.2 Import the Certificate to Xellarate Key Store

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

For Example:

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



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

Oracle Identity a	nd Access Management	Configuration - Step 5 of 8 _ ×
OIM Server	-	
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>F</u> rontEnd URL:	
Configuration Progress	KeyStore Password:	•••••
	C <u>o</u> nfirm KeyStore Password:	•••••
	Enable OIM for Suite integrat	ion
<	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 (\$), i, colon(:), forward slash(/), curly braces({}), tion mark(?), dot(.), asterisk(*) or pound (#)
Help		< <u>Back</u> Next > Einish Cancel

5.1.2.3 Export Xellarate KeyStore Certificate

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

For Example:

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

5.1.2.4 Import the Xellarate Certificate to KeyStore Created in 5.1.1.1.1

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

For Example:

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



5.1.3 Configuring SSL Mode in Oracle Internet Directory

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

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

	mager 11g Fusion Middleware Contr	rol			Setup 🗸	Help 😽 Log Out
Farm 👻 🔒 Topology	☆ oid1 ₀				Logged in as weblogi	c Host padsrini-pc
🛙 📲 Farm_base_domain	🖭 Oracle Internet Directory 🛩				Page Refreshed Feb 15, 2013	4:35:59 PM IST 🗘
E Deployments	Home					
WebLogic Domain Dentity and Access						
OAM	Monitoring >		Load		Security	
2 oid1	Control >) 121	Total LDAP Connections	0	Failed Bind Operations	0
OIM 🔁	Logs	220	Operations Completed	2	Failed Super User Logins	0
ovd1	Port Usage	65	Operations in progress	0	Sucessful Super User Logins	0
Metadata Repositories Metadata Repositories Meb Tier	Administration >					Ť
a in web nei	Security >	Audit Policy				
	Directory Services Manager >	Wallets			•	
	General Information					
					Server Response (ms)	
	40 20					
	0					
	8				+	
	6					
	4				Total Operations	
	2					
	0					
	20					
	10				CPU Utilization (%) /Farm_base_domain/asinst_	l/oid1
	5				padsrini-pc	
	0				•	
	100					
	60				Memory Utilization (%)	Void1
	40 20				padsrini-pc	
	0	6:24 16:25 16:26 16	27 16:28 16:29 16:30 1	16:31 16:32 16:33 16:	34 16:35 16:36	
	February 15 2013	0.24 10.25 10.20 10	.27 10.20 10.29 10.30	10.31 10.32 10.33 10.	34 10.33 10.30	
						Table View

5.1.3.2 Click on Create Self-Signed Wallet

	nager 11g Fusion Middleware Control	Setup Help Log Out
Farm - 🔒 Topology		
Farm_base_domain Application Deployments	<pre> oid1 ① If Oracle Internet Directory ▼ </pre>	Logged in as weblogic Host padsrin-pc Page Refreshed Fieb 15, 2013 4129154 PM IST 🖑
WebLogic Domain Jentity and Access OAM E oid1	$\label{eq:Wallets} \begin{array}{l} \mbox{Wallets} \\ \mbox{A Wallet} is a Keystore that stores X.509 certificates and private keys in industry-s Wallet. To manage the contents of a wallet, select a wallet and dick Manage. \end{array}$	tandard, PKCS #12 format. To create a wallet, click Create. To create a wallet with a self-signed certificate, click Create Self-Signed
OIM OVd1		Import 👚 Export 60 Manage
Metadata Repositories Web Tier	Name	Auto-login
		Fetching Data



5.1.3.3 Enter the Details as below and Click on OK

ORACLE Enterprise Manager 1	g Fusion Middleware Control Setup + Help + Log C
📑 Farm 👻 🔒 Topology	
∃ - Oid	. O Logged in as weblogic/Host padsrini
Farm_base_domain	Internet Directory ▼ Page Refreshed Feb 15, 2013 4:40:45 PM IST
Application Deployments	
	> Create Self-Signed Wallet
	Self-Signed Wallet
or pass PKCS#	ned wallet is not signed by a well known CA. A self-signed wallet is not recommended in a production environment. The wallet tages and be unique for a given component. The wallet tages sources and be unique for a given component. The wallet tages and be unique for a given component. The wallet tages sources and be unique for a given component. The wallet tages are sources and applications without requiring a password at runtime. Auto-login wallet don't need a password to modify, or delete the wallet. File system permissions he necessary security for Auto-login wallets.
	ned Wallet Details
🗉 🛅 Web Tier	
*	allet Name oldselfsigned
	V Auto-login
Wal	t Password
Confi	1 Password
	-Signed Certificate
Add a s	If-signed certificate that becomes part of the wallet.
* Cc	mon Name hostname.in.orade.com
Organ	ational Uhit OFSS
1	ganization Orade
	City Chennai
	State TN
	Country India
	Key Size 2048 -

5.1.3.4 Click on 6d Manage...

	Inager 11g Fusion Middleware Control	Setup ✔ Help ✔ Log Out
👫 Farm 👻 🔒 Topology		
Farm_base_domain	<pre> oid1 ③ I Oracle Internet Directory → </pre>	Logged in as weblogic Host padsrini-pc Page Refreshed Feb 15, 2013 4/44/27 PM IST (2
WebLogic Domain MebLogic Domain MebLogic Domain Modeling Model	Wallets A Wallet is a Keystore that stores X.509 certificates and private keys in industry-standard, PKCS ≢12 format. Wallet. To manage the contents of a wallet, select a wallet and click Manage.	
 OIM Ovd1 ■ Metadata Repositories 	Create X Delete C Create Self-Signed Walet J Import Export Name indiselfspred	6d Manage Auto-login ✓
🗷 🛅 Web Tier		

5.1.3.5 Select the Trusted Certificate and Click on Export

	anager 11g Fusion Middleware Control				Setu	ıp ় Help → Log Out		
📑 Farm 👻 🔒 Topology								
Farm_base_domain Application Deployments	☆ oid1 i Orade Internet Directory →	Logged in as weblogic Host padsrini-pc Page Refreshed Feb 15, 2013 4:45:58 PM IST 🖏						
WebLogic Doman I Lidentity and Access OAM Total OII OII OII OII OII Out Out Out	WebLogic Domain Walets > Manage Certificates Identity and Access Go OAM Go OA Go OAM Go OA Go OAM Go OA GO							
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=Orade, 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=Orade, L=Chennai, ST=TN, C=IN	Trusted Certificate	Valid	2048	February 15, 2013	February 14, 2018		
	OU=Class 2 Public Primary Certification Authority, O="VeriSign, Inc.", C=US	Trusted Certificate	Valid	1024	January 29, 1996	August 2, 2028		
	OU=Class 1 Public Primary Certification Authority, O="VeriSign, Inc.", C=US	Trusted Certificate	Valid	1024	January 29, 1996	January 8, 2020		



5.1.3.6 Click Export Trusted Certificate and save the certificate file

ORACLE Enterprise M	lanager 11g Fusion Middleware Control		Setu	ıp 👻 Help 👻 Log Out
📑 Farm 👻 🔒 Topology				
Farm_base_domain Application Deployments	 <i>oid1</i> 			eblogic Host padsrini-pc
Construction C	Wallets > Manage Certificates Manage Certificates: oidselfsign To generate a certificate signing request (certificate or trusted cert, click Import. Yo	Incl Trusted Certificate The Trusted Certificate with Subject Name CN=padsrni-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 BNO CERTIFICATE to the intended bosoton: or disk "topot Trusted Certificate "to executive the certificate to BNO CERTIFICATE to the intended	certificate. To import	: the CA signed
🗄 🛅 Metadata Repositories	Subject Name	wants to trust your certificate directly.	Start Date	Expiration Date
🗄 🥅 Web Tier	CN-spadam-pc_0U-oPSS_0-o-Or CN-spadam-pc_0U-oPSS_0-a-Or OU-class 3 Public Primary Certific CN-spatian-pc_0U-oPSS_0-a-Or OU-class 2 Public Primary Certific OU=class 1 Public Primary Certific		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	Expert Trusted Certificate Close]	

5.1.3.7 Click on Server Properties

	anage	er 11g Fusion Middleware Cor	ntrol							Setu	ip ← Help ← Log Out
Farm - 🔒 Topology											
		oid1 ₀ Oracle Internet Directory ▾									blogic Host padsrini-pc
Image: Second Secon			> est > Yo		equest". After you create a CSR, s ed certificate into the same wallet X Delete			ity and retu	irn the signe	d certificate. To import	the CA signed
Metadata Repositories		Port Usage	E		7		Certificate Type	Status	Key Size	Start Date	Expiration Date
🗉 🦳 Web Tier		Administration	>	Server Properties			Certificate Request		2048		
_		Security Directory Services Manager	Shared Properties			Certificate	Valid	2048	February 15, 2013	February 14, 2018	
			> Replic	Replication Management	.". C=US		Trusted Certificate	Valid	1024	January 29, 1996	August 2, 2028
					Inc.", O=GTE Corporation, C=U	JS	Trusted Certificate	Valid	1024	August 13, 1998	August 14, 2018
		General Information		Tuning and Sizing			Trusted Certificate	Valid	2048	February 15, 2013	February 14, 2018
		OU=Class 2 Public Primary Co	ertific	ation Authority, O="VeriSign,	nc.", C=US		Trusted Certificate	Valid	1024	January 29, 1996	August 2, 2028
		OU=Class 1 Public Primary Ce	ertific	ation Authority, O="VeriSign,	Inc.", C=US		Trusted Certificate	Valid	1024	January 29, 1996	January 8, 2020
	4										

5.1.3.8 Click on Change SSL Settings

	lanager 11g Fusion Middleware Control	Setup → Help → Log Out
👫 Farm 👻 🔒 Topology		
	∱ oid1 @	Logged in as weblogic Host padsrini-pc
🗉 📲 Farm_base_domain	Orade Internet Directory	Page Refreshed Feb 15, 2013 4:54:17 PM IST 🗘
Application Deployments		
🗉 🚞 WebLogic Domain	Annual Researcher	Apply Revert
Identity and Access	Server Properties	Appiy Revert
OAM	General Performance SASL Statistics Logging	
oid1	Server Mode Read / Write 💌	
OIM	* Maximum number of entries to be returned by a search 10000	
🐼 ovd1	* Maximum time allowed for a search to complete (sec) 3600	
Metadata Repositories Metadata Repositories	Preserve Case of Required Attribute Name specified in Search Request	
🗈 🦲 Web her	Anonymous Bind Disallow except for Read Access on the root DSE	
	* Maximum time allowed in a Transaction (sec)	
	Port Numbers	
	Non-SSL Port 3060	
	SSL Port 3131 Change SSL Settings	



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

	nager 11g Fusion Middleware Con	rol	Setup → Help → Log Out
📑 Farm 👻 🔒 Topology			
	Or oid1 Oracle Internet Directory ▼		Logged in as weblogic Host padsrini-pc Page Refreshed Feb 15, 2013 4:55:50 PM IST ₹2
Application Deployments Deployment WebLogic Domain Dentity and Access	i Information All changes made in this page red	uire a server restart to take effect.	
OAM Image: State of the state o	SSL Configuration (?)		OK Cancel
 ✓ ovd1 E E Metadata Repositories E E Web Tier 	Server Wallet Name oidself		
	Server SSL properties	-	
	SSL Authentication	Server Authentication 💌	
	Cipher Suite	SR, BA, WITH, RC4, 123, MOS ▲ SR, BA, WITH, RC4, 123, MA ■ SR, BA, WITH, 2005, EDE, CBC, SHA ■ VISL, BAA, WITH, LBS, LBS, CBC, SHA ■	
	* SSL Protocol Version	All	

5.1.3.10 Click on Apply

	anager 11g Fusion Middleware Control	Setup → Help → Log Out
	anager 11g rusion middleware Control	beap + hap + log out
Image: Series of the serie	<pre> foid1 ③</pre>	Logged in as weblogic Host padsrini-pc Page Refreshed Feb 15, 2013 4:56:40 PM IST ()
WebLogic Domain Joint Identity and Access OAM OAM OAM OAM	Information SSL configuration updated for /Farm_base_domain/asinst_1/oid1. Restart component for this change to be effective.	×
OIM 🚯	Server Properties	Apply Revert
 ovd1 	General Performance SASL Statistics Logging	
🗷 🛅 Web Tier	Server Mode Read / Write 💌	
	* Maximum number of entries to be returned by a search 10000	
	* Maximum time allowed for a search to complete (sec) 3600	
	Preserve Case of Required Attribute Name specified in Search Request	
	Anonymous Bind Disallow except for Read Access on the root DSE	
	* Maximum time allowed in a Transaction (sec) 0	
	* Maximum Number of Operations allowed in a Transaction 0	
	Port Numbers	
	Non-SSL Port 3060	
	SSL Port 3131	

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 FCIS adapter consists of two web services:

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

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

5.1.4.1 Environment Setup

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

5.1.4.1.1 Copy following folders from the FCIS Software Release area

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

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

Note: If Gateway EJB server and OIM server is on same system, then copy entire folder from FCIS 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-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.xml**. This XML file shall have a similar section as the one shown below (Change the values given in bold)

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.



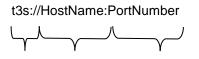
Edit **<SPMLADAPTER_INSTALL_DIR>\OIM\FCUBSLOVAdService\config\ADOIM_Prop.xml**. This XML file shall have a similar section as the one shown below, (Change the values given in bold)

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 FCIS 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 Host Name Weblogic Port

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

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

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



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



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

Edit HEAD_OFFICE: Give the head office branch code.

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

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

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

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

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

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

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

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



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

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

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

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.xml
to set {server_home} entry to Weblogic Server installed directory

Eg: home/Oracle/Middleware/wlserver_10.3

home/java/jdk1.7.0_51

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

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



5.1.4.2 Deployment

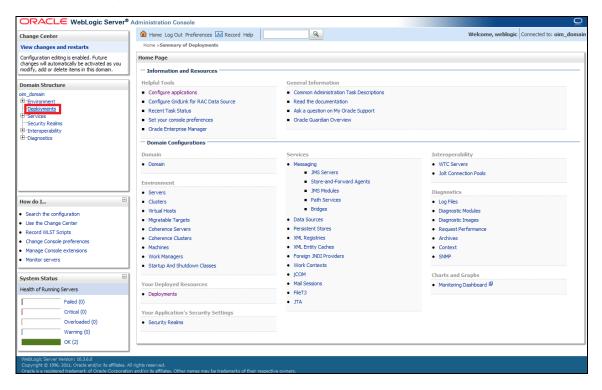
Deploy FCUBSLOVAdService

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 the WebLogic Server domain Username: weblogic Password: ••••••••• Login
WebLogic Server Version: 10.3.6.0 Copyright & 1995, 2011. Oracle and/or its affiliates. All rights reserved. Oracle is a regulared 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





5.1.4.2.4 Click on the Install as shown below

hange Center		🏦 Home Log Out Preferences 🗟 Record Help									
/iew changes and restarts		Home >Summary of Deployments									
Configuration editing is enabled. Future hanges will automatically be activated as you	Su	ımmar	y of Deployments								
nodify, add or delete items in this domain.		Control Monitoring									
omain Structure											
m_domain B-Environment		This page displays a list of Java EE applications and stand-alone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.									
		To inst	all a new application or module for deployment to	targets in this domain, click the Install button.							
Security Realms B-Interoperability B-Diagnostics		Custo	mize this table								
Dugnosius		Deploy	ments								
		Instal	Update Delete Start ¥ Stop ¥				Showir	ng 1 to 10 of 90 Previous Next			
			Name 🔅		State	Health	Туре	Deployment Order			
			Carde.businesseditor(1.0, 11.1.1.2.0)		Active		Library	100			
low do I 😑			adf.orade.domain(1.0, 11. 1. 1. 2.0)		Active		Library	100			
Install an Enterprise application Configure an Enterprise application			Carl Contracter (1.0, 11.1.1.1.2.0)		Active		Library	100			
Update (redeploy) an Enterprise application			AqAdapter		Active	🖋 ок	Resource Adapter	324			
Start and stop a deployed Enterprise application			🕀 📑 b2bui		Active	🖋 ок	Enterprise Application	313			
Monitor the modules of an Enterprise application			⊞ 📑 composer		Active	🖋 ок	Enterprise Application	315			
Deploy EJB modules Install a Web application			DbAdapter		Active	🖋 ок	Resource Adapter	322			
			DefaultToDoTaskFlow		Active	🖋 ок	Enterprise Application	314			
ystem Status			OMS Application (11.1.1.1.0)		Active	🖋 ок	Web Application	5			
Failed (0)			⊞ <mark>⊡</mark> em		Active	🖋 ок	Enterprise Application	400			
Critical (0)		Instal	Update Delete Start V Stop V				Showir	ng 1 to 10 of 90 Previous Next			
Overloaded (0)							Snowin	ig 1 to 10 01 90 Previous Next			

5.1.4.2.5 The following screen is displayed

a. Click on upload your file(s)

	dministration Console				Q
Change Center	🙆 Home Log Out Preferences 🔼	Record Help	٩		Welcome, weblogic Connected to: oim_domain
View changes and restarts	Home >Summary of Deployments >S	immary of JDBC D	ata Sources >Summary of Depl	oyments	
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	Locate deployment to install	and prepare for	r deployment		
om_domain Britishing The second sec	Select the file path that represents the application directory or file in the second s	the application re e Path field. ayed below. If yo /scratch/app/: (none)	oot directory, archive file, explo ou cannot find your deployment sso1123/wl1036/NMiddlew	fil <mark>ls</mark> , upload your file(s) and/r c are/user_projects/domains/o	on module descriptor that you want to install. You can also enter the path of onfirm that your application contains the required deployment descriptors. im_domain _projects / domains / oim_domain
How do I	soa				
Start and stop a deployed Enterprise application Configure an Enterprise application Create a deployment plan Target an Enterprise application to a server Test the modules in an Enterprise application	Back Next Finish Cancel				
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 i Oracle is a registered trademark of Oracle Corporation		idemarks of their r	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

	Administration Console	Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: oim_domain
View changes and restarts	Home >Summary of Deployments >Summary of JDBC Data Sources >Summary of Deployments	
Configuration editing is enabled. Future changes will automatically be activated as you	Install Application Assistant	
modify, add or delete items in this domain.	Back Next Finish Cancel	
Domain Structure	Upload a Deployment to the admin server	
oim_domain	opioau a Depioyment to the authin server	
Environment Deployments	Click the Browse button below to select an application or module on the machine from which you are cu	rrently browsing. When you have located the file, click the Next button to upload this
E-Services	deployment to the Administration Server.	, , , , , , , , , , , , , , , , , , , ,
	Deployment Archive:	
Data Sources	Deployment Archive: dapters\OIM\FCUBSLOVAdService\build\FCUBSLOVAdService	vice.ear Browse
Persistent Stores Foreign JNDI Providers	Upload a deployment plan (this step is optional)	
-Work Contexts		
XML Registries	A deployment plan is a configuration which can supplement the descriptors included in the deployment deployment plan archive now. This deployment plan archive will be a directory of configuration informat	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.
XML Entity Caches	deployment planate inventions in this deployment planate invention and a directory or comparation into mar	an pocageo as a gar net see reacea inte foi adalatita montabar associacipoynene parat
jCOM Mail Sessions	Deployment Plan Archive:	Browse
File T3	Arciive:	
How do I	Back Next Finish Cancel	
 Start and stop a deployed Enterprise application 		
Configure an Enterprise application		
Create a deployment plan		
 Target an Enterprise application to a server 		
Test the modules in an Enterprise application		
Sustan Status		
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	rights reserved. and/or its affliates. Other names may be trademarks of their respective owners.	

5.1.4.2.7 Select the enterprises archive file FCUBSLOVAdService.ear

a. Click on Next

	dministration Consolo		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 Da Messages	ata Sources >Summary of Deployments	
Configuration editing is enabled. Future changes will automatically be activated as you			
modify, add or delete items in this domain.	The file FCUBSLOVAdService.ear has been upload	ed successfully to /scratch/app/sso1123/wi1036/	NMiddleware/user_projects/domains/oim_domain/servers/AdminServer/upload
	Install Application Assistant		
Domain Structure	Back Next Finish Cancel		
oim_domain	Back Next Finish Cancel		
Deployments	Locate deployment to install and prepare for	deployment	
E Services	Select the file path that represents the application ro	of directory, archive file, exploded archive directo	prv, or application module descriptor that you want to install. You can also enter the path of
Messaging Tota Sources	the application directory or file in the Path field.		
Persistent Stores	Note: Only valid file paths are displayed below. If yo	ou cannot find your deployment files, upload your	file(s) and/or confirm that your application contains the required deployment descriptors.
Foreign JNDI Providers			
Work Contexts XML Registries	Path: /scratch/app/s	sso1123/wl1036/NMiddleware/user_projec	ts/domains/oim_domain/servers/AdminServer/upload/FCUBSLOVAdService.
-XML Entity Caches	Recently Used Paths: (none)		
јСОМ	Current Location: ofss220223.in.or	racle.com / scratch / app / sso1123 / wl1036 / NMi	ddleware / user_projects / domains / oim_domain / servers / AdminServer / upload
Mail Sessions	FCUBSLOVAdService.ear		
	Back Next Finish Cancel		
How do I	Back Next Finish Cancel		
 Start and stop a deployed Enterprise application 			
 Configure an Enterprise application 			
Create a deployment plan			
 Target an Enterprise application to a server 			
 Test the modules in an Enterprise application 			
System Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			
WebLogic Server Version: 10.3.6.0 Copyright © 1996, 2011, Oracle and/or its affiliates. All r Oracle is a registered trademark of Oracle Corporation :	rights reserved. and/or its affiliates. Other names may be trademarks of their re	espective owners.	



5.1.4.2.8 The following screen is displayed

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

ORACLE WebLogic Server®	Administration Console
Change Center	â Home Log Out Preferences
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, Frinth, Cancel
Domain Structure	Choose targeting style
oim_domain	Targets are the servers, dusters, and virtual hosts on which this deployment will run. There are several ways you can target an application.
Services Messaging	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 XML Registries	Install this deployment as a library
XML Entity Caches	Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the targets running their referencing applications.
Mail Sessions	Back Next Finish Cancel
How do I	
 Start and stop a deployed Enterprise application 	
Configure an Enterprise application	
Create a deployment plan	
 Target an Enterprise application to a server Test the modules in an Enterprise application 	
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. a and/or is affiliates. 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	0
Change Center	A Home Log Out Preferences	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, Frieht, Cancel	
Domain Structure om_domin Derevroment Depoyments Depoyments Descrices Descr	Select deployment targets Select the servers and/or dusters to which you want to deploy this application. (You can reconfigure deployment targets later). Available targets for FCUBSLOVAdService : Servers AdminServer i on_server1 soa_server1	
Here T3 How do L. Start and stop a deployed Enterprise application Configure an Enterprise application Create a deployment plan	Back Next Frieh Cancel	
Create a depoyment 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) CK (2) WebLogic Server Version: 10.36.0		
Copyright © 1996, 2011, Oracle and/or its affiliates. All	rights reserved. and/or its affiliates. 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	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	Optional Settings		
oim_domain	You can modify these settings or accept the defaults General What do you want to name this deployment?		
Messaging Data Sources Persistent Stores Foreign JNDI Providers Work Contexts	Name: FCUBSLOVAdService		
-XML Registries -XML Entity Caches 	What security model do you want to use with this application? OD Only: Use only roles and policies that are defined in the deployment descriptors.		
How do I	Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deploy	ment 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 Test the modules in an Enterprise application 	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)	Recommended selection.		
Critical (0)	Copy this application onto every target for me		
Overloaded (0) Warning (0)	During deployment, the files will be copied automatically to the managed servers to which the application is targeted.		
OK (2) I will make the deployment accessible from the following location			
	Location: /scratch/app/sso1123/w11036/NMiddleware/user_projects		

5.1.4.2.11 Deploy FCUBSProvisioningAdService

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

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

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



The following screen is displayed.

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

Change Center	6	Home	e Log Out Preferences 🔤 Record Help			Welcome, we	logic Connected to:	oim_do
View changes and restarts		-lome >	Summary of Deployments >Summary of JDBC Data Sources >Summary of Deployments >GWE3B >Su	mmary of Deplo	yments >GWE	JB >Summary of JDBC Data Sourc	es >Summary of Deplo	oyments
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.			y of Deployments					
Domain Structure								
am_domain Deployments - Deployments - Services Data Sources - Persistent Stores - Persistent Stores - Foreign NDI Providers		(redep To inst Custo	ge displays a list of Java EE applications and stand-alone application modules that have been in loyed), or deleted from the domain by first selecting the application name and using the controls all a new application or module for deployment to targets in this domain, click the Install button. mize this table yments	stalled to this d on this page.	omain. Installe	ed applications and modules can	be started, stopped, u	ıpdated
Work Contexts XML Registries		Instal	Update Delete Start v Stop v			Showing	11 to 20 of 92 Previo	us Next
XML Entity Caches jCOM Mail Sessions			Name 🗞	State	Health	Typ Sort table by Type	Deployment Orde	r
File T3			🜓 emai	Active		Library	100	
How do I 🔳			no menos	Active		Library	100	
Install an Enterprise application Configure an Enterprise application			it emcore	Active		Library	100	
Update (redeploy) an Enterprise application Start and stop a deployed Enterprise			E FCUBSLOVAdService	Active	🖋 ок	Enterprise Application	100	
application			SeleAdapter	Active	🖋 ок	Resource Adapter	321	
Monitor the modules of an Enterprise application Deploy EJB modules			⊞	Active	🖋 ок	Enterprise Application	5	
Deploy EJB modules Install a Web application			SetpAdapter	Active	🖋 ок	Resource Adapter	325	
System Status			E Gwejb	Active	🖋 ок	Enterprise Application	100	
Health of Running Servers			Modules					
Failed (0)			GW_EJB_Bean.jar			EJB Module		
Critical (0)			E IBs					
Overloaded (0)			GWEJB_GW_EJB_Bean			EJB		
Warning (0) OK (3)			Web Services					
OK (3)			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
Change Center	🏦 Home Log Out Preferences 🖂 Record Help
View changes and restarts	Home >Summary of Deployments >Summary of JDBC Data Sources >Summary of Deployments >GWE3B >Summary of Deployments >GWE3B >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 Finan Cancel
Domain Structure	Optional Settings
oim_domain	Opcome/sectings General - General - General
H-Messaging	What do you want to name this deployment?
Persistent Stores	Name: FCUBSProvisioningAdService
Work Contexts XML Registries XML Entity Caches	Security What security model do you want to use with this application?
jCOM Mail Sessions	DD Only: Use only roles and policies that are defined in the deployment descriptors.
How do I	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 Test the modules in an Enterprise application	- Source accessibility
Test the modules in an Enterprise application	How should the source files be made accessible?
System Status	Use the defaults defined by the deployment's targets
Health of Running Servers Failed (0)	Recommended selection.
Critical (0)	Copy this application onto every target for me
Overloaded (0) Warning (0)	During deployment, the files will be copied automatically to the managed servers to which the application is targeted.
OK (3)	I will make the deployment accessible from the following location
	Location: /scratch/app/sso1123/wl1036/NMiddleware/user_projects

5.1.5 Build GWEJB

- To execute the FCIS 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 FCIS Software Release area

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

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



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 <u>5.1.5.35</u>

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

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

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

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

name="UserIDPrepopulateAdapter">

<metadata name="PrePopulationAdapater">

<value>FlexcubeForm::USERID</value>

</metadata>

</plugin>

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

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 <="" pluginclass="com.oracle.oim.utility.eventhandler.LdapUserPrepopulateAdapter" td="" version="1.0"></plugin>
name="LdapUserPrepopulateAdapter">
<metadata name="PrePopulationAdapater"></metadata>
<value>FlexcubeForm::LDAPUSR</value>
<plugin <="" pluginclass="com.oracle.oim.utility.eventhandler.StartDatePrepopulateAdapter" td="" version="1.0"></plugin>
name="StartDatePrepopulateAdapter">
<metadata name="PrePopulationAdapater"></metadata>
<value>FlexcubeForm::STARTDATE</value>
<plugins pluginpoint="oracle.iam.platform.kernel.spi.EventHandler"></plugins>
<plugin <="" pluginclass="com.oracle.oim.utility.eventhandler.UserPasswordPreProcessHandler" td="" version="1.0"></plugin>
name="UserPasswordPreProcessHandler">

• 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

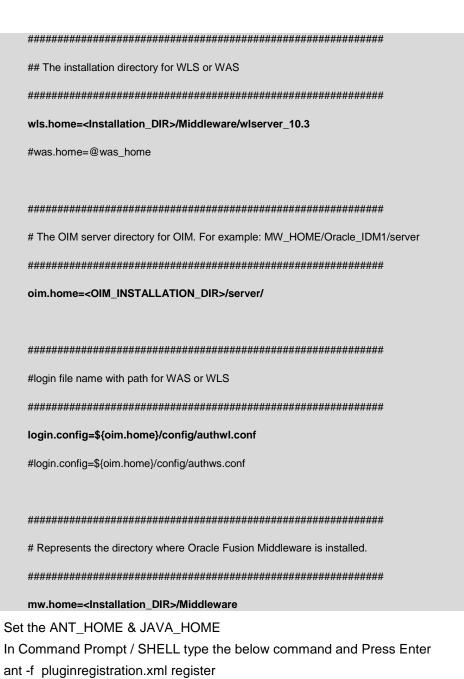
***** ## The installation directory for WLS or WAS #wls.home=@wls_home #was.home=@was_home # The OIM server directory for OIM. For example: MW_HOME/Oracle_IDM1/server ********** #oim.home@oim_home #login file name with path for WAS or WLS #login.config=\${oim.home}/config/authwl.conf #login.config=\${oim.home}/config/authws.conf ****** # Represents the directory where Oracle Fusion Middleware is installed.

#mw.home=@mw_home





.



- Following Information has to be provided
 - OIM Admin User xelsysadm
 - > OIM Admin User Password
 - OIM Admin server URL : t3://hostname:portname

e.g :: t3://whf00bmc.in.oracle.com:14000

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

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

wls_servername=@servername application_name=@appname metadata_from_loc=@metadata_from_loc to

wls_servername=oim_server1

application_name=OIMMetadata

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

- Type **sh weblogicImportMetadata.sh** in shell or **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	
S	Sign In						
		Sign in with your account					
		User ID					
		xelsysadm					
		Password					
		•••••					
		Sign In					
opyright © 2001, 2015, Oracle and/or its affiliates. All rights reserved							

5.1.6.9 Click on Import option under System Configuration

	Accessibility	Sandboxes	Help	Sign Out	volevendm	
ORACLE' Identity System Administration	Accessionity	Sandbuxes	Help	Sign Out	xelsysadm	
🖏 Role 🔹						
🚇 Catalog						
System Configuration						
a Home Organization Policy						
😺 Self Service Capabilities						
😤 Lookups						
Role Categories						
Ro Scheduler						
A Notification						
Configuration Properties						
de import						
🟦 Export						
⊿ Upgrade						
Dpgrade User Form						
👪 Upgrade Role Form						
😹 Upgrade Organization Form						
B Upgrade Application Instance						
4						



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 Manager - Import					
Click Add File to add more files.					
Show Information Reset Legend					
Summary V	Current Selections			Objects Removed From Import	
Import Files 🔻	Current Selections				
Add	Select a file for	import.	×		
Substitutions V			· · · · ·	1	
+ Add	Look in:	Screens-Config -	G 🦻 🖻 🛄 🕶		
IT Resources 🔻		Name	Date modified Type		
Add	Recent Places	😬 Lookup.xml	4/13/2016 3:51 PM XML Docu		
New Roles	Recent Places				
	Network	< ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰۰۰ ۲۰	Cencel	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 more files.				
Show Information Reset Legend				
Summary T	Current Selections	Objects Removed From Import		
Import Files 🔻				
+ Add	Deployment Manager			
Substitutions Add				
IT Resources				
Add	File Preview			
New Roles	FlexcubeLookup			
♠ Add	File Name: Lookup.sml Exported By: XELSYSADM Exported By: XELSYSADM Exported File Exported File Cancel < Add File Import	Missing Dependencies To Create		



5.1.6.12 Click on Add File

Deployment Manager - Import				
Click Add File to add more files.				1
Show Information Reset Legen	a .			
Shov kinomion Resel Leges Summary Y At 3 A Cookep 3 Import Files Y Lookep 20 Add Y Add If Resources Y Add New Koles Y Add	G Current Selections Cookup.FLEX.timeLevel Cookup.FLEX.BarrLanguage		Objects Removed From Import	
	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 Legend	ł						
Summary Alt: 3 Clockup: 3	— 🚑 Lookur	ELEX TimeLevel	import.		x)	Objects Removed From Import
Import Files 🔹 🔻	— 🔎 Lookuț	Look in:	🕌 Config-XML 👻	G 🤌 📂 🛄 🗸			
Lookup.xml		9	Name	Date modified	Туре		
Substitutions		Recent Places	SchTask.xml	4/13/2016 3:51 PM	XML Doci		
Add							
IT Resources Add		Desktop					
New Roles 🔻							Missing Dependencies To Create
+ Add		Libraries					
		Computer					
		Network	< III File game: SchTask.xml Files of type: All Files (*.*)		Qpen Cancel		
	Add File	Import)				



5.1.6.14 We will get File preview screen

a. Click on Add file.

	Deployment Manager - Import					
Click Add File to add more files.						
Show Information Reset	Legend					
Summary Alt 3 Æ Lookup: 3	•	- ALookup.FLEX.TimeLevel 🔊	cts Removed From Import CLookup.FCUBS.TimeLevel FLEX_UsrLang_schTask FLEX_UsrLang_schTask			
Import Files	•		Lookup.FCUBS.BranchCode			
Lookup.xml		O Beployment Manager	ookup.FCUBS.UserLanguage 🔊			
💠 Add			FLEX_BranchCode_SchTask			
Substitutions	•	File Proview	👌 FLEX_BranchCode_SchTask 🔊			
IT Resources	•	Flex:ubeScheduledTasks				
Hew Roles	¥	Fin Name: Sch Taskxmnl Exported By: XELSYSADM Export Dec August 20, 2014 25353 PM Export Ullity Version: 2.0.2.1 Exported From: jdbc:oracle:thim:@ofss20248:1521/0racle11gSSO	Dependencies To Create			

5.1.6.15 Click on Import

	Deploym	ent Manager - Import	
Click Add File to add more files.			
Show Information Reset Legen	d		
Show Information Reset Leger Summary ¥ Al: 7 Al: 7 Al: 7 Al: 7 Al: 7 Al: 7 Scheduled Task: 2 Import Files ¥ Scheduled Task: 2 Import Files ¥ Add New Roles ¥ Add	Current Selections		Objects Removed from Import - # Lookup FCUBS.TimeLevel # - # Lookup.FCUBS.BranchCode # - # Lookup.FCUBS.UserLanguage # Missing Dependencies: To Create
	Add File Import		



5.1.6.16 Above will prompt for Import Confirmation

a. Click on Import to start import.

Deployment Manager - Import				
lick Add File to add more files. Show Information Reset Legen	nd			
Summary ♥ A k 7 Solve 2 A Looke 3 Scheoled Task 2 Scheoled Task 2 Scheoled Task 2 Scheoled Task 7 Add IF Resource ♥ Add Hew Roles ♥ Add	Current Selections Current Selec	Objects Removed From Import Missing Dependencies To Create		

5.1.6.17 On successful import following screen will come

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

Deployment Manager - Import			
Click Add File to add more files.			
Show Information Reset Legend			
Summary V Al: 7 Solva: 2 ELookup: 3 Scheduled Task: 2 Import Files V	Current Selections		Objects Removed From Import
SchTask.xml Lookup.xml Add Substitutions Add IT Resources V	Success	Import successful ed attributes for a clustered configuration, then restart all nodes of the cluster.	sing Dependencies To Create
 Add New Roles ▼ Add 		ок	
	Add File Import		



5.1.6.18 The following screen will get displayed.

a. Click on Add File.

Deployment Manager - Import				
Click Add File to add m	ore files.			
Show Information	Reset L	egend		
Summary		•	Current Selections	Objects Removed From Import
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 Manager - Import					
Click Add File to add more files.					
Show Information Reset Legend					
Summary 🔻	Current Selections				Objects Removed From Import
Import Files 🔻	Current Selections				objects Kenioved From import
Add	Select a file for	import.			
Substitutions V			a a -		
🜩 Add	Look in:		G 🦻 📂 💷 -		
IT Resources 🔻	9	Name	Date modified 1	Туре	
+ Add	Recent Places	TC.xml	4/13/2016 3:51 PM	XML Doci	
New Roles 🔻	Recent Places				
▲ Add	Network	< III File name: GTCxml 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.

	Deployment Manager - Import				
Current Selections	Objects Removed From Import				
	objects removed from import				
O Deployment Manager 🛛					
File Preview					
Flexcube					
File Name: CTC.xtml Exported By: X11,9YSADM Export Date: August 20, 2014 6:35:17 PM Export 12,0.21 Exported From: jdbcorrelethins@ofss22024E:1521/0rade11g550	Missing Dependencies To Create				
	File Proview Flexcube Flexview Exported By: XELSYSADM Export Obte: August 20, 2014 6:35:17 PM Export Obte: August 20, 2014 6:35:17 PM Export Obte: August 20, 2014 6:35:17 PM Export Obte: August 20, 2014 6:35:17 PM Export Obte: August 20, 2014 6:35:17 PM Export Obte: August 20, 2014 6:35:17 PM Export Obte: August 20, 2014 6:35:17 PM Export Obte: August 20, 2014 6:35:17 PM Export Obte: August 20, 2014 6:35:17 PM				

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.

Deployment Manager - Import						
Click Add File to add more files.	Legend					
Cick Add File to add more files. Show Information Resel Summary mport Files Add I Resources Add New Roles Add	V V V V	Type R UD_FLEXCUBE Vers R	titutions for the users/groups (Optional). de System ADMINISTRATORS er XELSYSADM on 2 le SELF OPERATORS le ALL USERS	JCX	Objects Removed From Import	
		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.

		Deplo	yment Manage	er - Import	
Click Add File to add more files.					
Show Information Reset Legend					
Summary V	Current Selections				Objects Removed From Import
Import Files V	Current selections				objects kemoved from import
💠 Add	Confirma	ition		2	3
Substitutions 🔻					
🜩 Add					
IT Resources 🔻	Confi	irmation			
+ Add	Are y	ou sure you want to make th	e following substitutions?		
New Roles 🔻		Туре	Current Name	New Name	
+ Add		EXCUBE Version		JC2	
					Missing Dependencies To Create
		Cancel Substitution	<< E	ack Next	
	A 41 571				
	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	Oracle 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</port></hostname>
	Eg: 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.

Deployment Manager						
Provide IT Resource Instance Data.						
FLEXCUBE_GTC	FLEXCUBE_GTC					
🕨 FLEXCUBE_GTC 🔊	Parameter Name	Parameter Value				
<< New Instance>>	SharedDrive_uniqueAttrParent	USERID 🔶				
	SPML_userName					
	SPML_targetID	FLEXCUBE				
	WebServices_webServiceURL	https://ofss220607.in.oracl				
	SPML_userPassword					
	SharedDrive_stageDirParent	/scratch/work_area/DBG/C				
	SharedDrive_stageDirMultval					
	SharedDrive_fixedWidth		11			
	SharedDrive_archiveDir	/scratch/work_area/DBG/C				
	Timestamp	~				
Cancel IT Resource Modification	<< Back Skip	Next				

Provide IT Resource Instance Data.						
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/C				
	SharedDrive_stageDirMultval					
	SharedDrive_fixedWidth					
	SharedDrive_archiveDir	/scratch/work_area/DBG/C =				
	Timestamp					
	SharedDrive_delimiter					
	SharedDrive_whetherTabDelimited					
	SharedDrive_filePrefix	SMOIMHOFF				



5.1.6.24 The following screen will get displayed

I. Click on Skip.

Deployment Manager - Import					
Click Add File to add more files.					
Show Information Reset Legen	nd				
Summary 🔻	Current Selections	Objects Removed From Import			
Import Files 🔻	Current Sciections	objects Removed From Import			
🜩 Add	O Deployment Manager				
Substitutions 🔻	Provide IT Resource Instance Data.				
🜩 Add					
IT Resources 🔻	FLEXCUBE_GTC Provide the name of the IT resource instance to be created.				
Add	FLEXCUBE_GTC 🖉 Instance Name:				
New Roles	New Instance>>				
- Add	Parameter Name Parameter Value				
	SharedDrive_uniqueAttrParent				
	SPML_uservame				
	WebServices webServiceURL	Missing Dependencies To Create			
	SPML userPassword				
	SharedDrive_stageDirParent				
	SharedDrive_stageDirMutval				
	SharedDrive_fixedWidth				
	Cancel IT Resource Modification << Back Skip Next				
	Add File Import				

5.1.6.25 A confirmation window for parameter values will get displayed

m. Confirm the values and click on View Selections.

Deployment Manager - Import				
Click Add File to add more files.				
Show Information Reset Legen				
Summary V Import Files V Add Substitutions V	Current Selections	Objects Removed From Import		
+ Add IT Resources	Confirmation			
 Add New Roles ▼ Add 	Confirmation Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resources: Parameters have been provided for the following IT resource Modification Cancel IT Resource Modification	Missing Dependencies To Create		



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

- Make sure that there should be no items in Missing Dependencies to create box on right below of the screen. If so, probably some previous imports has been missed out or not imported successfully. Repeat the earlier imports again.
- **Deployment Manager Import** Click Add File to add more files Show Information **Objects Removed From Import** irrent Selections 님 FLEXCUBE_GTC 4 Al: 18 IT Resource Definition: 1 👌 FLEXCUBE_GTC 🔊 🛆 🙈 Resource: 1 🕀 🖓 FLEXCUBE 🔊 FLEXCUBE_GTC 🔊 🎡 Task Adapter: 2 👸 FLEXCUBE_GTC 🔊 🛆 Process Form: 1 🗆 義 FLEXCUBE_GTC 🔊 Entity Publication: 2 🗆 📩 FLEXCUBE_GTC 🔊 🔁 Application Instance: 1 adpFLEXCUBE_GTC_AUTOC 👎 Generic Connector: 1 SUD_FLEXCUBE 🖪 Organization: 3 adpFLEXCUBE_GTC 🔊 T Resource: 1 🗆 🔁 FLEXCUBE_GTC 🔊 🛆 Missing Dependencies To Create 🔁 Password Policy: 1 - 🗉 ApplicationInstance2 🔊 🗆 💦 Top 🛕 👌 Job: 1 🧟 Default Policy 🛆 Data Object Definition: 1 🗆 🖪 Xellerate Users 🛆 Å Process: 1 – 🔝 Requests 🛆 🐏 Scheduled Task: 1 😑 ApplicationInstance3 🔊 - 🔣 Requests 🛆 E FLEXCUBE_GTC Import Files 🗄 🔁 FLEXCUBE_GTC 🔊 🛆 GTC.xml ApplicationInstance2 💠 Add. - 🗆 💦 Top 🛆 Substitutions Default Po 🔶 Add.... IT Resources Add File Import New Roles
- o. Otherwise click on Import.

5.1.6.27 Above will prompt for Import Confirmation

p. Click on Import to start import.

Deployment Manager - Import	
Click Add File to add more files.	
Show Information Reset Legend	
IT Resource to feed feed feed feed feed feed feed fee	ts Removed From 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.

Deployment Manager - Import										
Click Add File to add more files.										
Show Information Reset Legend										
Summary All 19 Import Process Form Import Selections Bit Resource 1 Import Selections Import Process Form Import Selections Import Process Form Import Selections Import Process Form Import Selections Import Selections Import Selections Import Process Form Import Selections Import Selections Import Selections Import Selections Import Selections Import Fless Import Selection Import Fless Import Selectin <t< th=""></t<>										

5.1.6.29 Click on Sandboxes

ORACLE Identity System Administration	Accessibility	Sandboxes	Help	Sign Out	xelsysadm	
Connector Capture Connector Capture Connector System Entities						
د من معالی معال معالی معالی معال معالی معالی معال						
System Configuration Showe Organization Policy Self Service Capabilities Cookups						
Role Categories Image: Scheduler Notification Image: Scheduler Image: Sc						
pfss220607:14000/sysadmin/faces/home?_adf.ctrl-state=w1gh33fda_68z_afrLoop=621057740745765#					Ab	out

5.1.6.30 Click on Create Sandbox





5.1.6.31 Enter the Below Details and Click on Save and Close

- r. Sandbox Name : Oracle FLEXCUBESANDBOX
- s. Sandbox Description : Oracle FLEXCUBESANDBOX

ORACLE Identity Sys	tem Admi	inistration								Accessib	ility Sandbox	es Help Sign	Dut xeisysadm
Policies Approval Policies	🖟 Mana	sge Sandboxes 🗙											
Access Policies	Available	e Sandboxes Published	enterers v References v References Publiched Bandbauers and overvorde banden v References Publiched Bandbauers and overvorde banden v References Noted v Refere										
# Provisioning Configur	O Sar	ndboxes allow you to isolat customize create and/or ac	e and experiment with cu tivate a sandbox. After cu:	stomizations with stomizations are	out affecting other users e complete you can publish !	nvironments. the sandbox to make the cus	tomizations available to ot	er users.					
Reconciliation									💩 Import Sandbox				Detach
Form Designer		se sanderere i handbard Sandbare :											
@ IT Resource			occumption								10010	On	Ву
P Generic Connector													
Application Instances													
Manage Connector													
✓ System Entities						Create Sandbox	×						
👌 User 🛛 🕫						Sandbox Name	TexcubeSandbox						
& Organization							TerruheSendhod						
CG Role													
Catalog													
A System Configuration						Activate Sandbox 📝							
& Home Organization Policy						Sau	e and Close Cancel						
Self Service Capabilities													
🍓 Lookups													
Ci Role Categories													

5.1.6.32 Click on Ok

	tem	Admin	istrati	on					Accessibilit	/ Sandbo	kes Help S	Sign Out xelsys	adm
Generic Connector Application Instances Inflamage Connector), Manago Available		oxes x	Sandboxes								
▲ System Entities		Sand To cu View ▼	istomize	create and/or act	and experiment with cu ivate a sandbox. After cu Delete Sandbox	stomizations with stomizations are Refresh		he sandbox to make the cus	tomizations a		🕆 Export Sa		
& Organization		Sa	Sandbox Description								Last Modifie On	ed Last Mod By	ified
📸 Role		► Fle	Flexcube Create Sandbox								Apr 18, 2016	mdsintern	al
System Configuration Configuration Configuration Configuration Configuration Configuration Properties Configuration Properties Configuration	•			Confirmation Sandbox Flex		a was created us	ing label Creation_IdM_Fie	xcubeSandboxFlexcubeSa_	06:10:44. OK				
opyright © 2001, 2015, Oracle and/or its	s affili	iates. All r	ights res	served									About



5.1.6.33 Click on Form Designer under Provisioning Configuration

	m Admir	nistration				Accessibility	Sandboxes (I	Flexcube	SandboxFlexcubeS	a) Help	Sign O	ut xelsysadi	m
Policies Approval Policies	🎲 Manag	e Sandboxes 🗙											
Access Policies	Sand	Sandboxes Published S dboxes allow you to isolate istomize create and/or act	and experiment with cus	tomizations with	out affecting other users e complete you can publish	environments. I the sandbox t	o make the cus	tomizatio	ns available to oth	er users.			
Reconciliation	View v	Create Sandbox		🝓 Refresh	Activate Sandbox		ate Sandbox		blish Sandbox		ort Sandbox	× >>	»
Err Designer	Sa	andbox	Description						Active	Last M On	odified	Last Modifie By	ed .
Generic Connector	► Fle	excubeSandboxFlexcu	FlexcubeSandbox						۲	Apr 18,	2016	mdsInternal	
Application Instances													
✓ System Entities ♣ User													
Section 2017													
👪 Role 💷 Catalog													
▲ System Configuration													
ofss220607:14000/sysadmin/faces/home?_a			sandboxes&_adf.ctrl-state	=w1gh33fda_82#								A	About

5.1.6.34 Click on Create

	m Administration	Accessibility	Sandboxes (FlexcubeSandboxFlexcubeSa)	Help Sigr	Out xelsysadm	
Policies Approval Policies Approval Policies Arcess Policies Provisioning Configur By Reconcilation Torm Designer	Manage Sandboxes × Form Designer × Search Forms A Search Resource Type Q		S	Saved Search Search	Implicit Search 💌 Reset Save	
IT Resource P Generic Connector	Search Results Actions View Create Open Row Form Name		Туре	Posou	Detach	
Application Instances Anage Connector System Entities User	No data to display.		туре	Resou	псе туре	
Organization 햲 Role 그 Catalog						
System Configuration Home Organization Policy						



5.1.6.35 Enter the below details and Click on Create

٠	Resource Type	: FLEXCUBE_GTC
•	Form Name	: FLEXCUBEFORM

Note*: Form Name should be same as above

ORACLE. Identity Syste	em Administratio	n		Accessibility	Sandboxes (FlexcubeSandboxFlexcubeSa)	Help Sign Out xelsysadm
Policies Approval Policies Application Instances Manage Connector		lexcubeForm	Create Form 🗙			Create
System Entities Calculation Catalog System Configuration System Configuration Catalog System Configuration The organization Policy The or	View V # Disp 1 cont	Detach Jay Name ainerID	Name UD_FLEXCUBE_CONTAINERID	Description containerID		Bulk Update

5.1.6.36 Successful form creation will be like below:

	tem Administration		Accessibility San	dboxes (FlexcubeSandboxFlexcubeSa)	Help Sign	Out xelsysadm
Approval Policies	Manage Sandboxes ×	Form Designer x				
Access Policies	✓ Search			Sa	aved Search	Implicit Search 💌
Provisioning Configur Reconciliation E	Resource Type	Q			Search	Reset Save
Form Designer IT Resource	Search Results				Search	
Generic Connector	Actions View View Row Form Name	💠 Create 🥒 Open		Туре	Resour	Detach
Application Instances	No data to display.			.)po	nosour	
System Entities						
😹 Organization						
Catalog						
▲ System Configuration						



5.1.6.37 Click on Application Instances under Provisioning Configuration

ORACLE Identity Sys	tem Administration	Accessibility Sandboxes (FlexcubeSandboxFlexcubeSa) Help Sign Out xelsysadm
Policies Approval Policies Context Policies Provisioning Configur Reconciliation Form Designer	Manage Sandboxes x Form Designer x Search Forms A Search Resource Type Q Search Results	Saved Search Implicit Search • Search Reset Save
IT Resource Provide the second sec	Actions View Verwer Create Open	Type Resource Type
Ca Application Instances	 No data to display: 	
Image: Weight of the second secon		

5.1.6.38 Click on Search

ORACLE Identity Syste	em Adm	inistration				Accessibility	Sandboxes (FlexcubeSand	boxFlexcubeSa)	Help S	ign Out	xelsysadm	
Policies	🐻 Mana	age Sandboxes	× Form Designer ×	Application Instances x								×
Approval Policies	Searc	h Applicat	tion Instances									*
Access Policies												
Provisioning Configur Reconciliation	-	earch All Any					:	Saved Search	Search Applic	ation Inst	tances 💌	
E Form Designer		Resource OI	bject Starts with	•								
IT Resource		Display N	lame Starts with	•								
P Generic Connector		F Resource Insta	ance Starts with	•								=
Application Instances			Starts With									
🙀 Manage Connector							Search	Reset Save	Add Fi	elds 🔻	Reorder	
▲ System Entities	Search	Results										
🗞 User	Action	s 🔻 View 🔻	💠 Create 🛛 🧷 Op	pen 💥 Delete 🔯 Refr	esh 🖙 [Detach						
😹 Organization	1											
🖓 Role	Row#	Display Name	e	Description	Resou	rce Object	IT Resource Instar	ice				Ч
🛄 Catalog		to display										
System Configuration												
Home Organization Policy												
< >												-
Copyright © 2001, 2015, Oracle and/or its	affiliates. A	Il rights reserved	ł								Abo	ut

5.1.6.39 Click on FLEXCUBE_GTC

ORACLE' Identity Syste	em Administration		Accessibility	Sandboxes (FlexcubeSandboxFlexcubeSa) He	elp Sign Out xelsysadm
Approval Policies	Manage Sandboxes × Form Des				
Access Policies Provisioning Configur Reconciliation	▲ Search Match ④ All ● Any Resource Object Starts v			Saved Search Search	ch Application Instances 💌
Form Designer form Designer form Connector Application Instances	Display Name Starts v	rith 🔹			E
Manage Connector	<			Search Reset Save	Add Fields Reorder
👌 User	Actions 🔻 View 👻 🗣 Create	🥒 Open 💥 Delete 🔞 Refr	esh 🔄 🗟 Detach		
a Organization	<u>.</u>				
🖓 Role	Row# Display Name	Description	Resource Object	IT Resource Instance	
🕮 Catalog	1 FLEXCUBE_GTC	FLEXCUBE_GTC	FLEXCUBE_GTC	FLEXCUBE_GTC	
A System Configuration B Home Organization Policy T T T					
(1	-64 600100700204000000	م مالکتر بار است. معمل ملب الغر کار می الکتر ا	1.0		



Policies	Manage Sandboxes 🗙 For	m Designer x Application Instances x FLEXCUBE_GT	C x	
Approval Policies	Application Instance	FLEXCUBE_GTC		
Provisioning Configur	Attributes Organizations	Entitlements		equired Field Apply Reven
Form Designer			IN .	Equired Field Apply North
T Resource	* Display Name	FLEXCUBE_GTC		
Generic Connector				
Application Instances	Description	FLEXCUBE_GTC		
Manage Connector				
System Entities				
User	Resource Object	FLEXCUBE_GTC Q		
Crganization				
🖓 Role	IT Resource Instance	FLEXCUBE_GTC Q		
Catalog				
System Configuration	Form	Edit 🔀 Refresh		
Home Organization Policy				

5.1.6.40 Choose the Form as FlexcubeForm and Click on Apply

5.1.6.41 On Successful modification will be shown like below:

ORACLE' Identity Syste	m Administration				Accessibility	Sandboxes (FlexcubeSandboxFlexcubeSa)	Help Si	ign Out Xe	elsysadm
				ce FLEXCUBE_GTC modifie	d successfully				
Policies	📓 Manage Sandboxes 🗙 Form	m Designer 🗙 🛛 Applic	ation Instances 🗙	FLEXCUBE_GTC ×		,			×
Approval Policies	Application Instance:	FLEXCUBE G	тс						
Access Policies		-							
	Attributes Organizations	Entitlements							
▲ Provisioning Configur									
Reconciliation							*Required Field	Apply	Revert
🔳 Form Designer	•								
@ IT Resource	Display Name	FLEXCUBE_GTC							^
Generic Connector									
Application Instances	Description	FLEXCUBE_GTC							_
Manage Connector	Description								
✓ System Entities									
👌 User	Resource Object	ELEVOURE OTO							-
😹 Organization	10000100 00,000	122.0002_010							
🔯 Role									
Catalog	IT Resource Instance	FLEXCUBE_GTC							
Colory									
System Configuration	Form	FlexcubeForm -	🥒 Edit 🔞 Ref	fresh					
😹 Home Organization Policy 💡									-
۰ III ۲									
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Application Instance belongs to the following Organizations



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

	/stem A/	dmin	nistration			Accessibility	Sandboxes	Help	Sign Out x	elsysadm
Policies Approval Policies Access Policies Provisioning Configur Reconciliation	Ap	plica	ation Instances x FL ation Instan	ce: FLEXCUB	E_OTC				Apply	Revert
Form Designer					e is available to are shown below. exe 😫 Refersh 📴 📄 Detach					
P Generic Connector		₹								
Application Instances	R	Row≢	Organization Name	Туре	Hierarchy aware					
Manage Connector		1	Тор	System	V include sub-orgs					
✓ System Entities		2	Requests	System	(V) include sub-orgs					
a Organization										
🐯 Role										
Catalog										
▲ System Configuration										

5.1.6.42 Select and click on Publish Sandbox

ORACLE. Identity Syste	em Adm	inistration			A	Accessibility Sa	ndboxes (Flexcubes	SandboxFlexcubeS	ia) Help Sign O	ut xelsysadn	1
Policies Approval Policies	🐻 Mana	ige Sandboxes 🗙									
Access Policies		e Sandboxes Published S		tomizations with	out affecting other uppers o	nironmonto					
Provisioning Configur	Sa To	customize create and/or act	ivate a sandbox. After cus	tomizations are	complete you can publish t	the sandbox to ma	ike the customizatio	ns available to oth	er users.		
Seconciliation	View •	 Create Sandbox 	💥 Delete Sandbox	🝓 Refresh	Activate Sandbox	Deactivate \$	Sandbox 📑 Pu	blish Sandbox	1 Export Sandbox	>>	>>
🗐 Form Designer	:	Sandbox	Description					Active	Last Modified On	Last Modifie By	d
Generic Connector	•	FlexcubeSandboxFlexcu	FlexcubeSandbox					۲	Apr 18, 2016	mdsInternal	
Application Instances											
Manage Connector											
▲ System Entities											
🏠 User											
a Organization											
🖓 Role											
🛄 Catalog											
System Configuration											
Home Organization Policy											
< III >											
ofss220607:14000/sysadmin/faces/home?_	afrLoop=62	3198702534222&tf=manage_	sandboxes&_adf.ctrl-state	e=w1gh33fda_82#	•					A	bout

	m Admini	stration			A	ccessibility Sandboxes (Flexcube	SandboxFlexcube	Sa) Help Sign (Dut xelsysad	im 🚥		
Approval Policies	🛃 Manage	Sandboxes ×											
Access Policies		ble Sandboxes Published Sandboxes											
A Provisioning Configur	Sandt To cus	Sandboxes allow you to isolate and experiment with customizations without affecting other users environments. To customize create and/or activate a sandbox. After customizations are complete you can publish the sandbox to make the customizations available to other users.											
Seconciliation	View 🔻	Create Sandbox	X Delete Sandbox	🝓 Refresh	Activate Sandbox	Deactivate Sandbox	📑 P	ublish Sandbox	👚 Export Sandbo	x »	»		
🔳 Form Designer	Sai	ndbox	Description					Active	Last Modified On	Last Modifie	ed		
IT Resource	Flex	cubeSand Publish Sa	andbox				×	۲	Apr 18, 2016	mdsinternal			
Ceneric Connector		You have re	equested to publish sand	box FlexcubeSar	dboxFlexcubeSa and mer	ge its contents into the main	line.						
Manage Connector		Do you war	nt to continue?			_							
▲ System Entities						<u>Y</u> es	<u>N</u> o						
🇞 User													
S Organization													
🚯 Role													
📖 Catalog													
System Configuration Home Organization Policy													
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5.1.6.43 Click on Scheduler under System Configuration

ORACLE: Identity System Administration	Accessibility	Sandboxes	Help	Sign Out	xelsysadm	
Sorganization						
🚳 Role						
Catalog						
System Configuration Signalization Policy						
Self Service Capabilities						
tookups						
Image: Scheduler Notification						
& Configuration Properties ∰ import						
f Export						
⊿ Upgrade						
📓 Upgrade User Form						
🖓 Upgrade Role Form						
B Upgrade Organization Form						

5.1.6.44 Click on 主 to Search for Scheduled Job List

ORACLE' Identity System Administr	ration	Signed in as xelsysadm	Help 🦕
Event Management Policies System Mana	agement		
Scheduler Notification System Configuration			
Search Scheduled Jobs	Welcome		
Advanced Search	Welcome to Identity System Administration		_
Actions - View - 🖉 🔮 💥 📑 No search conducted.	Event Hanagement Search Reconciliation Events		
	Policies Search Approval Policies		
	System Management Search Scheduled Jobs Search Notification Templates		
	Search System Properties		
			About



5.1.6.45 Click on Entitlement List

RACLE' Identity System Adn	istration Signed in as xelsysa	dm Help
vent Management Policies Syste	Management	
cheduler Notification System Configuration		
	Welcome	
earch Scheduled Jobs		
dvanced Search	Welcome to Identity System Administration	
Actions - View - / 🗳 💥 🚮	Event Management Image Conduction Events	٦.
Application Instanc Stopped		
ttestation Grace Stopped		_
utomated Retry Stopped	Policies	
itomatically Unlo Stopped	Search Approval Policies	
k Load Archival Stopped k Load Post Pro Stopped		
atalog Synchroni Stopped		_
ertification Event Stopped	System Management	
ataCollection Sch Stopped		
layed Delete User Stopped	Search Scheduled Jobs	
sable/Delete User Stopped	Search Notification Templates	
able User After Stopped		
titlement Assign Stopped	Search System Properties	
titlement List Stopped		
titlement Post D Stopped		
aluate User Polic Stopped		
EX BranchCode Stopped		
EX_UsrLang_Sch Stopped		
EXCUBE_GTC Stopped		
rm Ungrade Job Stopped		
	J ²	
		A

5.1.6.46 Click on Run Now

Event Management Policies Syst	tem Management	
Scheduler Notification System Configurat	ion	
Search Scheduled Jobs	Welcome Job Details	
*	Job Details : Entitlement List	
Advanced Search		* Indicates required fields.
		Apply Run Now Stop Enable Disable Refresh
Actions 🗸 View 🖌 🥒 😭 💥 🚮		
Job Name Status		
Application Instanc Stopped	1 lob Information	
Attestation Grace Stopped	Job Name Entitlement List	(D. 1. 1.
Automated Retry Stopped	= Task Entitlement List	Periodic
Automatically Unlo Stopped	Schadel	© Cron
Bulk Load Archival Stopped	* Start Date April 8, 2016 3:47:19 PM IS 🖄 (UTC+05:30) Calcutta - India Time (IT)	🕒 single
Bulk Load Post Pro Stopped	* Retries 5	No pre-defined schedule
Catalog Synchroni Stopped		
Certification Event Stopped	Job Periodic Settings	
DataCollection Sch Stopped	Run every 1	
Delayed Delete User Stopped		
Disable/Delete Use Stopped	days 💌	
Enable User After Stopped	(and a second	
Entitlement Assign Stopped	Job Status	
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 Ungrade Job Stopped	AutoPublish True	
Rows Selected 1	Ignore Resource List	



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

5.1.6.47.3 Click on Scheduler under System Configuration

ORACLE: Identity System Administration	Accessibility	Sandboxes	Help	Sign Out	xelsysadm	(***)
S Organization						
🖓 Role						
📮 Catalog						
System Configuration Store Organization Policy						
🔯 Self Service Capabilities						
n Lookups						
Image: Configuration Properties ▲ Mathination ▲ Configuration Properties ▲ Image: Configuration Properties ▲ Image: Configuration Properties ▲ Image: Configuration Properties ▲ Image: Configuration Properties ▲ Image: Configuration Properties ▲ Image: Configuration Properties						
✓ Upgrade ⓐ Upgrade User Form ⓑ Upgrade Role Form ⓑ Upgrade Organization Form ✓ "" →						



5.1.6.47.4 Click on 主 to Search for Scheduled Job List

ORACLE' Identity System Administ	ration	Signed in as xelsysadm Help	Š
Event Management Policies System Man	agement		
Scheduler Notification System Configuration			
Search Scheduled Jobs	Welcome		
Advanced Search	Welcome to Identity System Administration		
Actions - View - / 🕑 💥 🚟 No search conducted.	Event Management		
	Policies		
	System Hanagement		
	Search Scheduled Jobs		
	Search System Properties		
		About	

5.1.6.47.5 Click on FLEX_BranchCode_SchTask

ORACLE' Identity System Admir	nistration Signed in as xelsysadm Help
Event Management Policies System	Management
Scheduler Notification System Configuration	
Search Scheduled Jobs	Welcome
Advanced Search	Welcome to Identity System Administration
Actions - View - / 🗳 💥 🚮 Job Name Status	Event Management Image: Constraint of the second lation Events
Application Instance Post Delete Proce Stopped Attestation Grace Period Expiry Checker Stopped	
Attestation Grace Period Expiry Checker Stopped Automated Retry of Failed Async Task Stopped	Policies
Automatically Unlock User Stopped	rolaces
Bulk Load Archival Job Stopped	La Search Approval Policies
Bulk Load Post Process Stopped	
Catalog Synchronization Job Stopped	
Certification Event Trigger Job Stopped	System Management
DataCollection Schedule Job Stopped	Search Scheduled Jobs
Delayed Delete User Stopped	S Search Scheduled Jobs
Disable/Delete User After End Date Stopped	S Search Notification Templates
Enable User After Start Date Stopped	
Entitlement Assignments Stopped	Search System Properties
Entitlement List Stopped	
Entitlement Post Delete Processing Job Stopped	
Contraste University Changed	
FLEX_BranchCode_SchTask Stopped	
nee-joarcang_ochraak stopped	
FLEXCUBE_GTC Stopped	
Form Upgrade Job Stopped	4
	۲

5.1.6.47.6 On the Edit Schedule Task screen

• WebService Url : FCUBSLOVAdService deployed in section 5.1.4.2.1

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

Query

FCUBS :

:

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

FCIS :

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



• Click on Apply and Click on Run.

ent Management Policies System	n Management	
heduler Notification System Configuration	1	
arch Scheduled Jobs	Welcome Job Details	
+	Job Details : FLEX BranchCode SchTask	
anced Search	Job Detail IT EEL_Brancheoue_Sarrash	* Indicates required fields.
		Apply Run Now Stop Enable Disable Refresh
ctions 🗸 View 👻 🥒 🦉 🔀		
Name Status		
lication Instanc Stopped	Job Information	
estation Grace Stopped	Job Name FLEX_BranchCode_SchTask	Periodic
omated Retry Stopped	Task FLEX_BranchCode_SchTask	© Cron
omatically Unlo Stopped	* Retries	Schedule Type Single
Load Archival Stopped		No pre-defined schedule
Load Post Pro Stopped		0
log Synchroni Stopped	Job Status	
ification Event Stopped	Current Status Stopped	
aCollection Sch Stopped		
ayed Delete User Stopped	Last Run Start April 20, 2016 5:47:01 PM IST	
able/Delete Use Stopped	Last Run End April 20, 2016 5:47:03 PM IST	
ble User After Stopped	Next Scheduled Run	
dement Assign Stopped		
dement List Stopped	Parameters	
tlement Post D Stopped	Lookup Name Lookup.FLEX.BranchCode	WebService Name FCUBSLOVAdService
luate User Polic Stopped	OIM Country US	WebService NameSpace http://lovservice.ws.oim.integration
K_BranchCode Stopped		
(_UsrLang_Sch Stopped	OIM Language en	WebService Operation lookup
XCUBE_GTC Stopped	Query select branch_code [~/ branch_co	WebService Url https://ofss220607.in.oracle.com:7
n Lingrade Job Stopped		
ws Selected 1	Job History	

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.

DRACLE' Identity System Admi	nistration	Signed in as xelsysadm Help
Event Management Policies System	Management	
Scheduler Notification System Configuration		
Search Scheduled Jobs	Welcome Job Details	
•	Job Details : FLEX_UsrLang_SchTask	
Advanced Search	JOD Details : FLEX_USITalig_SCITTASK	* Indicates required fields.
Autorice ocardi		Apply Run Now Stop Enable Disable Refresh
Actions - View - 🥒 📑 🗙 📑		reprint terreting the black reprint terreting
Application Instanc Stopped	Job Information	
Attestation Grace Stopped Automated Retry Stopped	Job Name FLEX_UsrLang_SchTask	Periodic
Automated Retry Stopped	Task FLEX_UsrLang_SchTask	Cron Schedule Type Cron
Bulk Load Archival Stopped	* Retries 0	Schedule Type Single
Bulk Load Post Pro Stopped		No pre-defined schedule
Catalog Synchroni Stopped		
Certification Event Stopped	Job Status	
DataCollection Sch Stopped	Current Status Stopped	
Delayed Delete User Stopped	Last Run Start April 20, 2016 5:38:34 PM IST	
Disable/Delete Use Stopped	Last Run End April 20, 2016 5:38:35 PM IST	
Enable User After Stopped	Next Scheduled Run	
Entitlement Assign Stopped		
Entitlement List Stopped	Parameters	
Entitlement Post D Stopped	Lookup Name Lookup.FLEX.UserLanguage	WebService Name ECUBSLOVAdService
Evaluate User Polic Stopped		
FLEX_BranchCode Stopped	OIM Country US	WebService NameSpace http://lovservice.ws.oim.integration
FLEX_UsrLang_Sch Stopped	OIM Language en	WebService Operation lookup
FLEXCUBE_GTC Stopped	Query select LANG_CODE "~' LANG_COE	WebService Url https://ofss220607.in.oracle.com:7
Form Liberade 1ob Stopped		
Rows Selected 1	Job History	Į.
		About



5.1.7 System Configurations

5.1.7.1 Integration Specific Configurations

5.1.7.1.1 FCIS Configurations

On FCIS side following configurations need to be done:

- Maintenance of Maker ID
- Maintenance of External Source

Both configurations can be done using FCJ provided screens.

1. Maintenance of Maker ID

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

2. Maintenance of External Source

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

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

|--|

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

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

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



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

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

5.1.7.2 OIM Configurations

5.1.7.2.1 OID Connector Configuration

For Oracle 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 To	
	ORACLE	
0	racle Identity Manager	
	Design Console	
<u>U</u> ser ID	> xelsysadm	
<u>P</u> asswo	ord	
Version Log		

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 dt 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 Man	ager Design	Console : connected to jdbc:oracle:thin:@ofss220374:1521/OracleSSO12c _ 🛛 🗙
<u>F</u> ile <u>E</u> dit <u>T</u> ool Bar <u>H</u> elp		
	5 X 🗊	
Oracle Identity Manager Design Co	-Lookup Defin	ition
IT Resources Type Definitio	Code	Lookup.OID.Organization
Rule Designer	Field	
🕀 📄 Process Management	۱ ا	_ookup Type 🔾 Field Type
E Administration	Required	
← 🔎 Lookup Definition 🕀 🦳 Development Tools	Group	Lookup.OID.Organization
⊕ Development Tools	Lookup Code I	Information
	Add	Code Key Decode
	Delete 1	cn=Users,dc=ofss,dc cn=Users,dc=ofss,dc
	2	
I I I I I I I I I I I I I I I I I I I	Lookup Defin	ition 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
 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 Identity Manager	Design Console : connected to jdbc:oracle:thin:@ofss220246:1521 $_$ \Box	×
<u>F</u> ile <u>E</u> dit <u>T</u> ool Bar <u>H</u> elp		
	5 8 × 6	
Oracle Identity Manager Design Co User Management Resource Management IT Resources Type Definitio Rule Designer Process Management E Email Definition Administration Lookup Definition User Defined Field Definitio Development Tools	Resource Object Object Reconciliation Opticat Schnitter Name FLEXCUBE_GTC • Order For User Order For User Order For Organization Type Application Trusted Source Administrators Password Policies Rule User Defined Fields Process Event Handlers/Adapters Resource Audit Objectives Status Definition Depends On Object Assign Object	
	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:@ofss220246:152	1_ 0	×
<u>F</u> ile <u>E</u> dit <u>T</u> ool Bar <u>H</u> elp		
Oracle Identity Manager Design C	[
Object Definition		
Assigned Objects ×		
■ Rule Unassigned Objects Assigned Objects ■ Resd 1 OID Trusted User		
2 OID User		
E Proc		
🗁 🤷 Adminis		
		=
	ition	
lies	5	
<u>O</u> K <u>Cancel</u>		
		-
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 $_{}$ \Box	×
<u>F</u> ile <u>E</u> dit <u>T</u> ool Bar <u>H</u> elp		
N 4 N N D 🖬 🖊 🖑		
Oracle Identity Manager Design Co Constraints Constr	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

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

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 Arcess Policies Provisioning Configur Graduation Form Designer Se Transported Connector Connector Application Instances						
Manage Connector System Entities Ausor Sorganization Sig Role Catalog System Configuration Sig Home Organization Policy r r r						



5.1.7.2.2.4 Click on Create Access Policy

Enter your search criteri	a to search for access policies.			
	•			
	•			
Search Access Polic	ies 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
 : Role in Dropdown and ALL USERS from LOV.

: Yes

- Retrofit Access Policy
- Priority : 1

Create Access Policy	(1) (2) (3) (4)
Step 1: Create Access Policy	
* Indicates Required Field	
Access Policy Name	* OIDAccessPolicy
Access Policy Description	OIDAccessPolicy.
Policy Owner	Role ALL USERS
Retrofit Access Policy	
Priority	* 1 Current Lowest Priority=1
Exit Continue >>	



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	1234			
Step 2: Select Resources				
Specify the resources to be provisioned by this acces	s policy.			
* Indicates Required Field				
Filter By	Go			
Results 1-2 of 2 Fir	st Previous Next Last		Selected:	
Resource Name				
	FLEXCUBE_GTC	Add >>		
V	OID User	<< Remove		
First Previous Next Last				
Exit << Back Continue >>				

5.1.7.2.2.7 Click on Continue

Create Access Policy	1230	
Step 2: Select Resources		
The subsequent pages will guide you	ou through providing the data to associate with the following resources you selected to be provisioned by this Access Policy:	
• OID User		
Exit << Back Si	Skp This Step	



5.1.7.2.2.8 Select the below Details and Click on Continue

•	Server		:	OID Se	rver
•	Container DN		:	cn=Use	ers,dc=in,dc=oracle,dc=com
•	Preferred Language	e:	English		
•	Start Date	:	April 20	, 2016	(Current Date)
•	End Date	:	April 20	, 2026	(End Date)

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

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
Exit << Back Continue >>		



5.1.7.2.2.10 Click on Continue

Create Access Policy	1231	
Step 3: Select Resources		
Specify the resources to be deni * Indicates Required Field Filter By		
Results 1-2 of 2	First Previous Next Last	Selected:
First Previous Next Last	FLEXCUBE_GTC OID User	Add >> << Remove
Exit < Back Co		v

5.1.7.2.2.11 Click on Create Access Policy

	Access Policy Name	OIDAccessPolicy		
	Access Policy Description Policy Owner Type	OIDAccessPolicy Role		
	Policy Owner	SYSTEM ADMINISTRATOR		
	Retrofit Access Policy	Yes	- -	
	Priority	1		
Resources to be provisione	d by this access policy			<u>Change</u>
Resource Name	Revoke if no longer applies	Disable if no longer applies	Process Forms	
OID User	✓	×	OID User Edit	
(i) You have not	selected any resources to be denied by this access po	licy.		
Roles for this access policy				
Roles Name				
<< Back Create Ac	ccess Policy			

5.1.7.2.2.12 Login to Identity Self Services

http://<hostname>:<oimport>/oim/console or http://<hostname>:<oimport>/identity



	elf Service	Accessibility Help About Oracle
Sig	gn In Sign in with your account User ID xelsysadm	
	Password 	
	Forgot User Login? Forgot Password? New User Registration Track My Registration	
Copyright © 2001, 2015, Oracle and/or its affiliate:	s. All rights reserved	

5.1.7.2.2.13 Click on Roles under Manage

С		Service		Sandboxes Customize xelsysadm v ••••
Ho	me			
	Users Manage users	Roles Manage roles	Organizations Manage organizations	Administration Roles Manage admin roles
	Manage users	Manage roles	Manage organizations	Manage admin roles
fares/ho	me? adf.ctrl-state=xuf17yvru 1& afriLoop=85	7204625300063#		
faces/ho	mer_adf.ctrl-state=xuf1/yvru_1&_afrLoop=85	/204023390903#		



5.1.7.2.2.14 Select ALL USERS to Edit

	ervice	Sandboxes Customize xelsysadm v ····
Home Roles x		Image: A start of the start
📸 Roles		
Search Name	Q Advanced	
Actions 🔻 View 👻 🕂 Create 🧪 Ope	n 🗙 Delete 《〕 Refresh 🖳 💭 Detach	
Name	Role Description	
📸 ALL USERS	Default role for all users	
Administrators	Administrators role for SOA	
BIReportAdministrator	Administrators role for BI Publisher Reports	
COPERATORS	Operator role	
SELF OPERATORS	Operator role for self registration	
SYSTEM ADMINISTRATORS	System Administrator role for OIM	
Copyright © 2001, 2015, Oracle and/or its affiliates. All righ	Its reserved	· · · · · · · · · · · · · · · · · · ·

5.1.7.2.2.15 Click on Access Policy

Home Roles x ALL USERS x			
ALL USERS Attributes Hierarchy Access F	volicy Members Organizations	Apply	Revert
Name	ALL USERS		
Role Namespace	Default		
Display Name	ALL USERS		
Role E-mail			
Role Description	Default role for all users		
* Owned By	System Administrator		

5.1.7.2.2.16 Click on + Add to Add Access Policy

DRACLE	Identity Self S	ervice			Sandboxes Customize xelsysadm v •
ome Roles x ALL US	ERS ×				
ALL USERS Attributes Hierarchy	Access Policy Mer	nbers Organizations			Apply Revert
Add access policies to def	fine access rights of		Ę	Detach	
Policy Name	Policy Description	Pending Action			
No data to display					



5.1.7.2.2.17 Search for the Access Policy and Select the Access Policy Created

			Sandboxes Customize	e xelsysadm 🔻 🚥
ORACLE	Identity Self	Service	Self Serv	vice 🍂 Manage
Home Roles x A	Add Access Poli	es	×	
ALL USERS	Search Policy Nar Results	e Search for Policies and Add them to the Selecter	d Items table below	Apply Revert
Add access policies	View View			
Actions 👻 View	Policy Name OIDAccessPolicy	Policy Description OIDAccessPolicy		
Policy Nar No data to display		✓ Add Selected		
Copyright © 2001, 2015, Ori	Selected Policies			
Copyright @ 2001, 2013, On	View 🔻			
	Policy Name	Policy Description		
	OIDAccessPolicy	OIDAccessPolicy	Select Cancel	

5.1.7.2.2.18 Click on Apply to Save

DRACLE	Identity Self S	ervice	Sandboxes Customize xelsysadm ▼ ····
ome Roles × ALL US	ERS ×		
ALL USERS Attributes Hierarchy A Add access policies to def		nbers Organizations his role.	Apply Revert
Actions 🔻 View 👻	+ Add 🗙 Rem	we 🖒 Undo 🜔 Refresh 🛛 📮 💭 Detach	
Policy Name	Policy Description	Pending Action	
OIDAccessPolicy	OIDAccessPolicy	Add	



5.1.7.2.2.19 Click on Scheduler under System Configuration

ORACLE' Identity System Administration	Accessibility	Sandboxes	Help	Sign Out	xelsysadm	
Sorganization						
👪 Role						
Catalog						
System Configuration Siteme Organization Policy						
Self Service Capabilities						
n Lookups						
Image: Configuration Properties Image: Configuration Properties						
Loport Jugrade						
🙆 Upgrade User Form						
🚳 Upgrade Role Form						
Comparison of the second secon						

5.1.7.2.2.20 Click on Search shown below

ORACLE' Identity System Administ	ration	Signed in as xelsysadm Help 🤤
Event Management Policies System Mar	bagement	
Scheduler Notification System Configuration		
Search Scheduled Jobs Advanced Search	Welcome Welcome to Identity System Administration	
Actions - View - 🖉 <table-cell> 🔀 No search conducted.</table-cell>	Event Management Search Recondition Events	
	Policies	
	System Management Search Scheduled Jobs Search Notification Templates	
	Search System Properties	
		About



5.1.7.2.2.21 Select Evaluate User Policies

ORACLE' Identity System Administ	ration Signed in as xelaysadm Help
Event Management Policies System Man	agement
Scheduler Notification System Configuration	
Search Scheduled Jobs	Welcome
Advanced Search	Welcome to Identity System Administration
Actors • View • Job Name Status Application Instanc Stopped Attestation Grace Stopped	Event Management
Automated Retry Stopped E Automatically Unio Stopped Bulk Load Archival Stopped Bulk Load Post Pro Stopped	Policies Search Approval Policies
Catalog Synchroni Stopped	System Management
Certification Event Stopped DataCollection Sch Stopped Delayed Delete User: Stopped Disable/Delete Use Stopped	System rangement Signal Search Notification Templetes
Enable User After Stopped Entitlement Assign Stopped	Search System Properties
Entitlement List Stopped	
Entitlement Post D Stopped Evaluate User Polic Stopped FLEX_BranchCode Stopped	
FLEX_UsrLang_Sch Stopped	
FLEXCUBE_GTC Stopped	
Form Upgrade Job Stopped	

- 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	nagement	
Scheduler Notification System Configuration		
Search Scheduled Jobs	Welcome Job Details	2
÷	Job Details : Evaluate User Policies	× .
Advanced Search		* Indicates required fields. Apply Run Now Stop Enable Disable Refresh
Actions - View - / · · · · · · · · · · · · · · · · · ·		
Application Instanc Stopped	Job Information	
Attestation Grace Stopped	Job Name Evaluate User Policies	Periodic
Automated Retry Stopped	Task Evaluate User Policies	Cron E
Automatically Unio Stopped		Eshadula Turas
Bulk Load Archival Stopped	* Start Date April 21, 2016 3:47:19 AM I 🖄 (UTC+05:30) Calcutta - India Time (IT)	Scredule Type Single
Bulk Load Post Pro Stopped	* Retries 10	No pre-defined schedule
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 Liborade Tob Stopped	* Batch Size 500	
Rows Selected 1	* Number of Threads 5	



6. Solution / Usage Guidelines

6.1 Working with OIM

6.1.1 Creating a user in Oracle FLEXCUBE through OIM

To create a user in Oracle FLEXCUBE through OIM, first a user must be created in OIM itself. After creating a user in OIM, a user can be created in Oracle 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.

	ty Self Service		Accessibility	Help	About Oracle
	Sign In	Sign in with your account User ID xelsysadm Password •••••••••] Sign in Forgot User Login? Forgot Password? New User Registration Track My Registration			
Copyright ⊕ 2001, 2015, Oracle and/or its af	ffiliates. All rights reserved				



6.1.1.2 Click on Users under Manage

C		f Service		Sandboxes Customize xelsysadm v ••••
H	Users	Roles	Organizations	Administration Roles
aces/h	Manage users	Manage roles	Manage organizations	Manage admin roles

6.1.1.3 Click on Create

lome	Users x								ľ
1 Us	sers								
Search	Display Name	•	Q Advan	ced					
Action	s ▼ View ▼	🕂 Create 🧪 Edi	t 🗸 Enable (Disable 🗙 De	Iete 📋 Lock Acc	OUNT D'UNIOCK	Account 🐑 Reset	Password	» »
	User Login	Display Name	First Name	Last Name	Organization	Telephone Number	E-mail	Identity Status	Account
	OIMINTERNAL	Internal User	OIMINTERNAL	OIMINTERNAL	Xellerate Users			Active	Unlocked
	WEBLOGIC	Weblogic User	WEBLOGIC	WEBLOGIC	Xellerate Users			Active	Unlocked
	XELSYSADM	System Adminis	System	Administrator	Xellerate Users		donotreply@ora	Active	Unlocked



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

b. Click on Submit.

					Sandboxes	Customize xelsysadm 🔻 🚥
ORA	CLe	Identity Self Service				Self Service Manage
Home Use	rs × C	reate User 🗙				
Create U	ser				Submit	Save As 🔻 Cancel
►	Reques	t Information				
Basic I	nformat	tion				
First Na	ame Na	ndhakumar	Manager		0	
Middle Na	ame		* Organization	Requests	0	
* Last Na	ame Ver	mban	* User Type	Employee 💌		
E-	mail nar	ndhakumar.vemban@oracle.com	Display Name	Nandhakumar Vemban		
Accour	nt Settin	igs				
U	ser Login	nvemban-in				
Р	assword	•••••	0			
* Confirm P	assword	•••••				
Accour	nt Effect	tive Dates				
Start Date	4/25/201	6				
End Date		Ċ.				
Provisi	oning D	Dates				



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

me	Users x									3
. U	sers									
	Display Name	•	Q Advan	ad						
Actio	ns ▼ View ▼	+ Create 📝 Edi	t 🗸 Enable (Disable 🗙 De	lete 🔒 Lock Acc	ount 🗹 Unlock	Account 🐑 Rese	t Password	» »	
	User Login	Display Name	First Name	Last Name	Organization	Telephone Number	E-mail	Identity Status	Account	SI
	OIMINTERNAL	Internal User	OIMINTERNAL	OIMINTERNAL	Xellerate Users			Active	Unlocked	
	WEBLOGIC	Weblogic User	WEBLOGIC	WEBLOGIC	Xellerate Users			Active	Unlocked	
	XELSYSADM	System Adminis	System	Administrator	Xellerate Users		donotreply@ora	Active	Unlocked	
	•				III				,	

6.1.1.6 Click on Refresh to fetch the updated user list

	אכו ב	* Identity Self S	Service				Sandboxes	Customi	ze xelsysadm 🔻 🚥
		identity con c						Self Se	rvice 🎎 Manage
ome	Users ×								
us	ore								
0 3	CI 3								
	Display Name	•	Q. Advan	ced					
earch	Display Name		Q Advan		loto 🔒 Lock Acc	ount Unlock	Account Desot	Dacsword	
earch Actions	Display Name s ▼ View ▼	+ Create 🖌 Edi	t 🗸 Enable (🗢 Disable 🗙 De				Password	»»»
earch Actions	Display Name				lete 🔒 Lock Acc	ount C Unlock	Account		>> >> Refresh ount St
earch Actions	Display Name s ▼ View ▼	+ Create 🖌 Edi	t 🗸 Enable (🗢 Disable 🗙 De		Telephone) Petroph
earch Actions	Display Name s ▼ View ▼ User Login	+ Create / Edi Display Name	t v Enable (Disable X De	Organization	Telephone		ldenti 【	Refresh ount St
earch Actions	Display Name S View View View User Login OMINTERNAL	+ Create / Edi Display Name Internal User	t First Name OIMINTERNAL WEBLOGIC	Disable X De	Organization Xellerate Users	Telephone		Identi C Active Active	Refresh ount St

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

אוכ	ACLE	* Identity Self S	ervice					Self Service	🍰 Manag
Home	Users x								
🄓 Us	sers								
Search	Display Name	•	Q Advanc	ed					
Action	s ▼ View ▼	🕂 Create 📝 Edi	t 🗸 Enable 🕻	Disable 🗙 De	ete 🔒 Lock Acc	count 👩 Unlock	Account 🐑 Reset	Password	» »
						Telephone			
	User Login	Display Name	First Name	Last Name	Organization	Number	E-mail	Identity Status	Account S
	User Login	Display Name		Vemban	Organization Requests		E-mail	Identity Status	Account S
	U U	. ,			-				
	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.

	ACLE	Identity Self S	ervice					Self Service	齢 Manag
me	Users x User	Details : Nandhakum	a x						
🔒 N	landhakuma	ar Vemban							
/ 1	Modify 🗸 🗸	nable 🕒 Disal	ble 🗙 Delete	🔒 Lock Acco	unt 💣 UnL	ock Account 🔊	Reset Password		
Attribut	tes Roles En	titlements Account	s Direct Reports	Organizations Ad	min Roles				
Actio	ons 🔻 View 🔻	Request Accou	nts 🥒 Modify Gra	ant Duration +	Request Entitlem	ent 🔇 Refresh	🔅 Resource His	tory 🔄	Detach
	Application Instance	Resource	Account Name	Provisioned On	Status	Account Type	Request ID	Start Date	End Da
		OID User	NVEMBAN-IN	4/25/2016	Provisioned	Primary		4/25/2016	
	OID User								

6.1.1.9 Click on Request Accounts

						Sandboxes	Customize X	elsysadm 🔻 🗉
	Identity Self S	Service				1	Self Service	🎝 Manag
Home Users x U	ser Details : Nandhakum	ia ×						
🔓 Nandhaku	mar Vemban							
	🗸 Enable 🛛 🖨 Disa	ble 🗙 Delete	🔒 Lock Acco	unt – ⁰ Unior	ck Account 🔊	Reset Password		
<i>w</i> mouny			D LOCK ACCO			Neset Password		
Attributes Roles	Entitlements Account	ts Direct Reports	Organizations Ad	min Roles				
Actions View	Request Accou	ints 🧪 Modify Gra	ant Duration 🕂	Request Entitleme	nt 🗘 Refresh	🔅 Resource His	tory 🔄	Detach
Applicatio	n Resource	Account Name	Provisioned On	Status	Account Type	Request ID	Start Date	End Da
Instance								Lifu Da
	OID User	NVEMBAN-IN	4/25/2016	Provisioned	Primary		4/25/2016	



6.1.1.10	Click on 📌	Add to Cart against Oracle FLEXCUBE_	GTC
----------	------------	--------------------------------------	-----

	entity Self Service		Self Service
Home Users 🗙 User Deta	ils : Nandhakuma 🗙 Account Access Reque	est x	
	Back Add Access Che	Cancel Next	Cart 쿶 Nandhakumar Vemban 🛃
Search and select individua Catalog Request Profiles		ed items commonly used in your organization can be	e selected from the Request Profiles tab.
Search Keyword	Search		
Categories	Sort By Display Name	bbA 📲	Selected to Cart
Select All	FLEXCUBE_GTC FLEXCUBE_GTC	0	+ Add to Cart
ApplicationInstance	(2) OID User OID User	0	+ Add to Cart

6.1.1.11 Click on Next Button

	tity Self Service	Sandboxes Customize xelsysadm v ····
Home Users x User Details :	Nandhakuma x Account Access Request x	
В	ack Add Access Checkout	Car 🗐 Nandhakumar Vemban 🔮
Search and select individual iter	ms from the Catalog tab. Sets of pre-bundled items commonly used in y	your organization can be selected from the Request Profiles tab.
Search Keyword Sea	rcn Soft By Display Name	- Add Selected to Cart
 ✓ Select All ✓ Applicationinstance (2) 	FLEXCUBE_GTC FLEXCUBE_GTC OID User OID User	In Cart Add to Cart
Copyright © 2001, 2015, Oracle and/or its	affiliates. All rights reserved	

6.1.1.12 Following screen will appear like below:

- b. Click on Details form 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 Oracle FLEXCUBE USERID populated then it can be modified (only during Request Account in Oracle FLEXCUBE), do not modify any other value, which is prepopulated in this screen.

	entity Self Servio	e			Sandboxes	Customi:	ze xelsysadm 👻 🚥
ne Users x User Detail	s : Nandhakuma 🗴	Account Access	Request ×				
	Back Add	Access	Checkout	Cancel	Next	Nandhakun	nar Vemban 🎦
art Details	mation					Submit	Save As 🔻
▲ Cart Items Display Name							
	STC STC						× O
Request Details FLEXC	UBE_GTC			USERLANGUAGE	ENG	Q	Update
				TIMELEVEL		Q	
objectclass				STARTDATE	4/25/2016		
USERID	NVEMBAN-IN			EMAIL			
USERNAME	Nandhakumar Vemb	an		LDAPUSR	cn=NVEMBAN-IN,cn=Users,dc=ofss,dc=		
USERPASSWORD	•••••		0	Service Account			
HOMEBRANCH	000		9,				
ight © 2001, 2015, Oracle and/or	its affiliates. All rights re-	erved					

6.1.1.13 Click on Submit

ORACL	_e Ide	ntity Self Service			Sandboxes		m ▼ •••• Manage
Home Users x	User Detail:	s : Nandhakuma 🗙 Accou	INT Access Request 🗙				
		Back Add Access	Checkout	Cancel	Next	Nandhakumar Vemban	0
Cart Details ▶ Req	uest Inform	nation				Submit Save As	
Cart Items							
Display Name	LEXCUBE_G	TC				×	0
Request Deta		JBE_GTC					odate]
	containerID			USERLANGUAGE	ENG	Q	
	ID			TIMELEVEL	9	Q	
	objectclass			STARTDATE	4/25/2016		
	USERID	NVEMBAN-IN		EMAIL	nandhakumar.vemban@oracle.com		
	USERNAME	Nandhakumar Vemban		LDAPUSR	cn=NVEMBAN-IN,cn=Users,dc=ofss,dc=		
USERI	PASSWORD	•••••	0	Service Account			
но	MEBRANCH	000	Q				
apyright © 2001_2015	Oracle and/or	ts affiliates, All rights reserved					



6.1.1.14 Click on Refresh in Accounts TAB

		Identity Self S	Dervice					Self Service	🎝 Manag
me	Users x User	Details : Nandhakun	na ×						
🔒 N	andhakuma	ar Vemban							
2 N	Aodify 🗸 🗸 E	nable 🔵 Disa	able 🗙 Delete	🔒 Lock Acco	unt - Uni	Lock Account	Reset Password		
<i>"</i>	ioung v c			L LOONINGOO					
ttribute	es Roles En	titlements Accoun	ts Direct Reports	Organizations Ad	min Roles				
	es Roles En ns ▼ View ▼	titlements Account		-	min Roles Request Entitlen	nent () Refresh	🔅 Resource H	istory 🗳	Detach
	ns 🔻 View 🔻			-		nent 🔇 Refresh	🛱 Resource H	istory 🔄	Detach
				-	Request Entitlen	nent (ک) Refresh Account Type 💌		istory ET	Detach
	ns ▼ View ▼ Application	+ Request Acco	unts 🧪 Modify Gra	ant Duration +	Request Entitlen	76			

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.

🗙 Delete 🛛 🔒 Loci	k Account 👘 🔐 Uni	ock Account	Reset Password		
rect Reports Organization	s Admin Roles				
Modify Grant Duration	Request Entitlen	ient (2) Refr	sh 🔅 Resource Hi	story 🔄	Detach
count Name Provisione	ed On Status	Account Typ	e Request ID	Start Date	End Da
4/25/2016	Provisioned	Primary		4/25/2016	
4/25/2016 EMBAN-IN 4/25/2016	Provisioned Provisioned	Primary Primary		4/25/2016 4/25/2016	
	rect Reports Organization	rect Reports Organizations Admin Roles Modify Grant Duration + Request Entitlem	rect Reports Organizations Admin Roles	rect Reports Organizations Admin Roles Modify Grant Duration + Request Entitlement () Refresh () Resource His	rect Reports Organizations Admin Roles Modify Grant Duration + Request Entitlement () Refresh () Resource History ()

6.1.2 Modifying a user in FCIS 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.



DRACLE	Identity Self Se	ervice					Self Service	e 🖍 Mana
Home Users x User D	etails : Nandhakuma	×						[
🔓 Nandhakumar	Vemban							
-								
🖌 Modify 🗸 Ena	able 🔵 Disabl	e 🗙 Delete	🔒 Lock Acco	unt 🖬 Unl	ock Account	Reset Password	1	
🖌 Modify 🗸 Ena		7			.ock Account 🛛 🛒	Reset Password	1	
🖌 Modify 🗸 Ena	able Disable ements Accounts	7		unt 👩 Un L dmin Roles	.ock Account 🛛 🛱	Reset Password	1	
Modify Cena Attributes Roles Entit		Direct Reports	Organizations Ac	dmin Roles	cock Account	-		» »
Modify Cena Attributes Roles Entit	ements Accounts	Direct Reports	Organizations Ac	dmin Roles y Grant Duration	~	-		
Modify Final Attributes Roles Entit Actions View V Application	ements Accounts Request Account Resource	Direct Reports	Organizations Ac	dmin Roles y Grant Duration	X Remove Account	ts 🖉 Make Pri	imary	>> >> End Da

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.

			Sandboxe	s Customize xelsysadm v 🚥
DRACLE	dentity Self Service			Self Service Manage
Home Users x User Del	ails : Nandhakuma 🗙 Modify Account	×		
Modify Account				Submit Save As 🔻
▲ Target Users			Request Information	tion
Name				
Nandhakumar Vemban	0			
✓ Cart Items				
Display Name				
24@FLEXCU	IBE_GTC			X 0
24@FLEXCU FLEXCUBE_	IBE_GTC GTC			× o
Request Details 24@FLEXCUBE_	GTC			X O
FLEXCUBE_	GTC _EXCUBE_GTC			
Request Details 24@Fl	STC _EXCUBE_GTC 	HOMEBRANCH	000	
Request Details 24@Fl	STC _EXCUBE_GTC 	HOMEBRANCH USERLANGUAGE	000 ENG	Update
Request Details 24@Fl	STC _EXCUBE_GTC 		ENG	(Update)
Request Details 24@FI ContainerID ID objectclass	STC _EXCUBE_GTC 	USERLANGUAGE	ENG 7	Q Q
Request Details 24@Fl definition of the second se	stc .ExcUBE_GTC 	USERLANGUAGE TIMELEVEL	ENG 7 4/25/2016	Q Q



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

אכ	ACLE	Identity Self S	Service				Sandb	Self Service	ysadm 👻 🗉
ome	Users × User I	Details : Nandhakum	a ×						
🔓 N	andhakuma	r Vemban							
/ N	lodify 🗸 🗸 Er	nable 🔵 Disa	ble 🗙 Delete	🔒 Lock Acco	unt 🖂 Un	Lock Account 🛛 🕄) Reset Passv	word	
Attribute	es Roles Ent	itlements Accoun	ts Direct Reports	Organizations Ac	fmin Roles				
Action	ns 🔻 View 👻	+ Request Accou	ints 🧪 Modify Ac	counts 🧪 Modify	Grant Duration	X Remove Account	ts 🖉 Make	e Primary	» »
	Application Instance	Resource	Account Name	Provisioned On	Status	Account Type	Request I	+ Request Entitlemen	t End Da
	FLEXCUBE_GTO	FLEXCUBE_GTO	24	4/25/2016	Provisioned	Primary		✓ Enable	
	OID User	OID User	NVEMBAN-IN	4/25/2016	Provisioned	Primary			
FLEX	-	Name FLEXCU					C	(2) Refresh (3) Resource History (2) Reset Password	
	Usp		onInstance				-		
		Category Applicati							
	De	escription FLEXCU	BE_GTC						
	Audit	Objective							
	F	Risk Level Low Ris	k						
	User Def	ined Tags							
		over User							

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.).

sults 1-4 of 4		First Previous Next	Last	
sk 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



6.1.3 Disable/Remove Accounts in FCIS through OIM

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

Remove Accounts will show the Last Known Status

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

ne Users x User D	etails : Nandhakuma	×						
Nandhakumar	Vemban							
🖋 Modify 🛛 🗸 En	able 🔵 Disab	le 🗙 Delete	🔒 Lock Acco	unt 🗗 UnL	ock Account	Reset Pass	word	
tributes Roles Entit	lements Accounts	Direct Reports	Organizations Ad	Imin Roles				
Actions v View v	Request Accour		counts 🖉 Modify		X Remove Account	Co Mak	e Primary	» »
Application	Resource	Account Name	Provisioned On		Account Type	Request	Request Entitlemen	
FLEXCUBE GTC			4/25/2016	Provisioned	Primary			
OID User	OID User	NVEMBAN-IN	4/25/2016	Provisioned	Primary		Enable	
٠ [m				Disable	Þ
FLEXCUBE_GTC Deta	il Information							
	Name FLEXCUE						袋 Resource History	
	Name FLEXCOR	BE_GIC					Reset Password	
Displ	ay Name FLEXCUE	BE_GTC						_
	Type Applicatio	ninstance						

6.1.3.2 Disable Confirmation Screen will get displayed

b. Click on Submit.

	Sandboxes Customize xelsysadm v ····
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	× 0
Copyright © 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.

RACLE	Identity Self Se	ervice					Self Service	Manage
me Users x User D)etails : Nandhakuma	×						
Nandhakumai Modify V En ttributes Roles Enti		_		unt 🗗 UnL	ock Account 🛛 🄊	Reset Password		
Actions - View -	Request Account	ts 🧪 Modify Ac	counts 🧪 Modify	Grant Duration	X Remove Accounts	a 🖉 Make Prim	ary	» »
Application	Resource	Account Name	Provisioned On	Status	Account Type	Request ID	Start Date	End Da
Application Instance	nesource					•		
Instance	FLEXCUBE_GTC	24	4/25/2016	Disabled	Primary		4/25/2016	
FLEXCUBE_GTC OID User		24 NVEMBAN-IN	4/25/2016 4/25/2016	Disabled Provisioned	Primary Primary		4/25/2016 4/25/2016	
Instance FLEXCUBE_GTC	FLEXCUBE_GTC			Provisioned				•
Instance FLEXCUBE_GTC OID User <	FLEXCUBE_GTC		4/25/2016	Provisioned				Þ
Instance FLEXCUBE_GTC OID User <	FLEXCUBE_GTC	NVEMBAN-IN	4/25/2016	Provisioned				Þ

6.1.4 Enabling a Disabled user in FCIS through OIM

6.1.4.1 Accounts>>Select FLEXCUBE_GTC >>Click on Enable

ORAC	ĨLE"	Identity Self Se	ervice				Sand	Customize	e Manage
Home Users	× User De	etails : Nandhakuma	×						
🄓 Nandh	akumar	Vemban							
/ Modify	🗸 Ena	ible 🔵 Disab	le 🗙 Delete	🔒 Lock Acco	unt 💣 Un L	ock Account 🛛 🐑	Reset Pass	word	
			_						
Attributes Ro	oles Entiti	ements Accounts	Direct Reports	Organizations Ad	Imin Roles				
Actions 🔻 🕚	View 🔻	Request Account	ts 🥒 Modify Acc	counts 🥒 Modify	Grant Duration	X Remove Account	s 🖉 Mak	e Primary	» »
Appli Instar	cation nce	Resource	Account Name	Provisioned On	Status	Account Type	Request I	+ Request Entitle	ment End Da
FLEX	CUBE_GTC	FLEXCUBE_GTC	24	4/25/2016	Disabled	Primary		🗸 Enable	
OID U	ser	OID User	NVEMBAN-IN	4/25/2016	Provisioned	Primary			
٩ 📃								Disable	Þ
FLEXCUBE_G	TC Detai	Information						C) Refresh	
								Resource Histo	
		Name FLEXCUE	E GTC					vuv	
			-					Reset Passwor	d
	Displa	y Name FLEXCUE	E_GTC				ι,		
		Type Applicatio	ninstance						



6.1.4.2 Enable Confirmation Screen will get displayed and Click on Submit

	Sandboxes Customize xelsysadm 👻 🚥			
	Self Service Manage			
Home 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			

6.1.4.3 Go to Accounts TAB and Click on Refresh

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

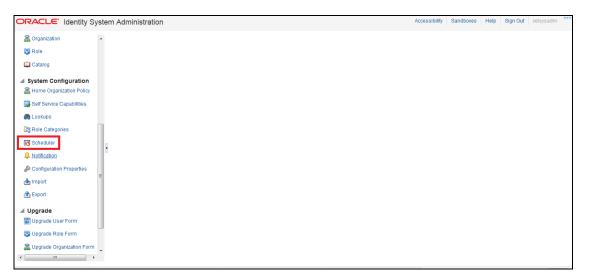
		tails : Nandhakuma						Self Service	Manage
_	landhakumar Modify 🗸 Enal	ble Oisabl	_	🔒 Lock Acco		Lock Account 휜	Reset Password		
Attribut	tes Roles Entitle	ements Accounts	Direct Reports	Organizations Ac	dmin Roles				
		Request Account	ts 🥒 Modify Acc	counts 🥒 Modify	Grant Duration	X Remove Account	- -	-	» »
	Application Instance	Request Accoun	ts 🖋 Modify Acc	counts 🖌 Modify Provisioned On	Grant Duration	Account Type	s 🔗 Make Prin Request ID	Start Date	» » End Da
	Application Instance	Request Account	ts Modify Acc Account Name	Counts Modify Provisioned On 4/25/2016	Grant Duration Status Enabled	Account Type Primary	- -	Start Date 4/25/2016	
	Application Instance	Request Accoun	ts 🖋 Modify Acc	counts 🖌 Modify Provisioned On	Grant Duration Status Enabled Provisioned	Account Type	- -	Start Date	



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



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

ORACLE' Identity System Adminis	stration	Signed in as xelsysadm	Help 🤇	Q
	nagement			
Scheduler Notification System Configuration				
Search Scheduled Jobs	Welcome			
Advanced Search	Welcome to Identity System Administration			I
Actions • View • 2 3 3 5	Event Management]	
	Policies Sardh Approval Policies]	
	System Hanagement G. Search Scheduled Jobs G. Search Notification Templates G. Search System Properties			

a. If the job is scheduled periodically, based on the frequency and scheduled time, system will automatically process the reconciliation. If it not scheduled, user can manually initiate the reconciliation process by clicking the Run Now button.



b. After running the process, click Refresh button to view the status of the initiated job. The job history section available in the screen will show whether the job is in progress or it is completed.

Event Hanagement Policies System H	anagement
Scheduler Notification System Configuration	
Search Scheduled Jobs	Wekome
+	Welcome to Identity System Administration
Advanced Search	
	Event Management
Actions = View = 🥒 🎴 💥 🛃	
Job Name Status	Sarch Recordulation Events
Application Instanc Stopped 🔹	
Attestation Grace Stopped	
Automated Retry Stopped	Policies
Automatically Unlo Stopped	Search Approval Palcos
Bulk Load Archival Stopped	
Buk Load Post Pro Stopped	
Catalog Synchroni Stopped	System Hanagement
Certification Event Stopped DataCollection Sch Stopped	
Delayed Delete User Stopped	Search Scheduled Jobs
Disable Delete Use Stopped	S Search Notification Templetes
Enable User After Stopped	Call Solid of Theorematic Company
Entitlement Assign Stopped	Search System Properties
Entitlement List Stopped	
Entitlement Post D., Stopped	
Evaluate User Polc Stopped	
FLEX BranchCode Stopped	
FLEX UprLang Sch., Stopped	
FLEXCUBE_GTC Stopped	
Form Upgrade Job Stopped	
Get SOD Check Re Stopped	
Get SOD Check Re Stopped	
Identity Audit Main Stopped	
Identity Audit Sca Stopped	
Initiate Attestation Stopped	
Issue Audit Messa Stopped	
Job History Archival Stopped	
LDAPSync Post En Stopped UDAPSync Post En Stopped	
LDAPSync Post En Stopped LDAPSync Post En Stopped	
LDAPSync Post En. Stopped LDAPSync Post En. Stopped	
Non Scheduled Bat Stopped	
OID Connector Gr., Stopped	
OID Connector Gr., Stopped	
Concernance of the second	

Welcome Job Details		
Job Details : FLEXCUBE_GTC		
		* Indicates required field Apply Run Now Stop Enable Disable Refresh
		Run the job now
Job Information		
	Job Name FLEXCUBE_GTC	
	Task PLEXCUBE_GTC Con * Start Date January 1, 1970 5:30:00 A/ (b) (UTC+05:30) Calcutta - India Time (IT) Schedule Type () Single	
	* Start Date January 1, 1970 5:30:00 Al 👸 (UTC+05:30) Cakutta - India Time (IT)	
	* Retries 0	
Job Periodic Settings		
	Run every 1	
	days 💌	
Job Status		
	urrent Status Stopped	
	ast Run Start April 25, 2016 5:35:15 PM IST	
	Last Run End April 25, 2016 5:35:16 PM IST	
Next S	theduled Run	
Parameters		
Co	nector Name FLEXCUBE	
	ITRESOURCE FLEXCUBE_GTC	

ORACLE' Identity System Admini	tration	Signed in as xelsysadm Help
Event Hanagement Policies System M		
Scheduler Notification System Configuration	nagemen	
Search Scheduled Jobs	Welcome Job Details	×
•	Job Details : FLEXCUBE_GTC	
Advanced Search		* 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 REVOLUEE_GTC Periodic	
Automated Retry Stopped	Test a proper ore	
Automatically Unio Stopped	* Start Date January, 1,170 5:30:00 49 Wg (UTC+05:30) Calcutta - Inda Tine (IT) Schedule Type Single	
Bulk Load Archival Stopped	(1) his are defined ether in	
Bulk Load Post Pro Stopped	*Retries 0 One prevenues to house	
Catalog Synchroni Stopped		
Certification Event Stopped	Job Periodic Settings	
DataCollection Sch Stopped	Run every 1	
Delayed Delete User Stopped	days 💌	
Disable/Delete Use Stopped	0475	
Enable User After Stopped	Job Status	
Entitlement Assign Stopped	Our services	
Entitlement List Stopped	Lasting State 4 of 25, 2016 5:35:15 PM IST	
Entitlement Post D Stopped	Least war share a part as 20 of 50 million that a part of the term of	
Evaluate User Polic Stopped	Least Luit con Legen 424, 2010 5132 (0 PH IS 1	
FLEX_BranchCode Stopped FLEX_UsrLang_Sch Stopped	Next Schedules Kun	
PLEX_USPLang_Sch Stopped PLEXCUBE_GTC Stopped	Parameters	
Form Upgrade Job Stopped		
Get SOD Check Re Stopped	Connector Name (FLEXCURE	
Get SOD Check Re., Stopped	ITResource PLEXCUBE_GTC	
Identity Audit Main Stopped		
Identity Audit Sca Stopped	Job History	
Initiate Attestation Stopped		
Issue Audit Messa Stopped	Actions • Wew • Show error details	
Job History Archival Stopped	Charter Frederic Income Contraction	
LDAPSync Post En Stopped	April 25, 2016 51.3 April 25, 2016 51.3 Stopped Success	
LDAPSync Post En Stopped	Totale with weak a static for the state water of the state of the stat	



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.

	istration		24	ned in as xelsysadm
agement Policies System P	lanagement			
econciliation Events	Welcome Job Details			
econciliation Events	Refresh	Event Details: 10 1		
arch 🛄	Kettesn			
	Event			
Vew • 🔍 🛃		Event ID 1	Date and Time April 25, 2016 5:35:16 PM IST	
→ ✓ Profile Name Key Fields FLEXCUBE_GTC NVEMEANIN		Current Status Update Succeeded	Job ID 7014	
FLEXCUBE_GIC INVERDANCY		Entity Account	Resource Name FLEICUBE_GTC	
		Type: Changelog Key Fields: NVEMEANIN	Profile Name PLEXCUBE_GTC Modifier ID Internal User	
		Action Date Action Date not specified	Retry Count 5	
		Action Date Hactori Date hat specifies	Neby Colore 3	
	Linked To			
		Linked User NVEMBAN-IN - Nandhakumar Vemban	Linked By Rule Based Linking	
		Linked Account ID 24		
		Account Description 24		
		Notes		
	Reconciliation Data	Notes Matched Accounts Hatched Users History		
	Reconciliation Data			
	-	Hatched Accounts Hatched Users History		
	Attribute Name Attribute	Notched Accounts Flatched Users Flatony		
	Attribute Name Attribute IT Resource2 5	Hatched Accounts Hatched Users History		
	Attribute Name Attribute IT Resource:2 5 USERNAME Nandhak	Ndsåvd Accounts Ndsåvd Duers History		
	Attribute Name Attribute IT Resource:2 5 USERNAME Nandhak	Hatched Accounts Hatched Users History Vola: UDM Nepped Field ITResourc2 LIDERUNE Stolan		
	Attribute Name Attribute IT Resource 2 S USERVAME Nandhak STARTDATE April 8, 2	Hatched Accounts Hatched Users History Vola: UDM Nepped Field ITResourc2 LIDERUNE Stolan		
	Attribute Name Attribute TT Resource2 S USERNAME Nandhäl STARTDATE April 5, USERJD WERBANKCH 000 USERJDANGJAGE ENG	Natched Accounts Flatched Duers Flatony Vide ODM Napped Field Tifesorra2 UIDSINAE UIDSINAE		
	Attribute Name Attribute TI Resource2 5 USERNAME Nundhak STARTDATE April 5, USERNAME NOO USERNANGLAGE ENG TIMELPIL 8	Natched Accounts Hatched Users History In Volue ODM Negood Field IT Resource2 Listic Status Status IN USRID HORERADCH		
	Attribute Name Attribute TT Resource2 S USERNAME Nandhäl STARTDATE April 5, USERJD WERBANKCH 000 USERJDANGJAGE ENG	Natched Accounts Flatched Duers Flatony Vide ODM Napped Field Tifesorra2 UIDSINAE UIDSINAE		
	Attribute Name Attribute TI Resource2 5 USERNAME Nundhak STARTDATE April 5, USERNAME NOO USERNANGLAGE ENG TIMELPIL 8	Natched Accounts Flatched Duers Flatony Vide ODM Napped Field Tifesorra2 UIDSINAE UIDSINAE		
	Attribute Name Attribute TI Resource2 5 USERNAME Nundhak STARTDATE April 5, USERNAME NOO USERNANGLAGE ENG TIMELPIL 8	Natched Accounts Flatched Duers Flatony Vide ODM Napped Field Tifesorra2 UIDSINAE UIDSINAE		
	Attribute Name Attribute TI Resource2 5 USERNAME Nundhak STARTDATE April 5, USERNAME NOO USERNANGLAGE ENG TIMELPIL 8	Natched Accounts Flatched Duers Flatony Vide ODM Napped Field Thesorra2 UIDENAE UIDENAE UIDENAE UIDENAE UIDENAE UIDENAAE UIDENAAE UIDENAAE UIDENAAE UIDENAAE UIDENAAE		

In the Event details screen

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

ORACLE' Identity System Administr	ration				Signed in as xelsysadm	Help
Event Management Policies System Mana	agement					
Reconciliation						
Search Reconciliation Events	Welcome Event	Details: ID 1	Job Details	Event Details: ID 21		×
⇒			Link Refresh			
Advanced Search	Reevaluate Event Clo	se event Ad Hoc	unk Refresh			
	Event					
Actions 🕶 View 👻 🔍 🎆	Evene	Event ID 21		Date and Time August 26, 2014 3:02:46 PM IST		
Event ID	Ourre	ent Status No User N	tatch Found	Job ID 4448		
21 FLEXCUBE_GTC VKUMAR	Curr	Entity Account	later r bana	Resource Name FLEXCUBE GTC		
1 FLEXCUBE_GTC ANDY12		Type Changelo	a	Profile Name FLEXCUBE_GTC		
		Key Fields VKUMAR	-	Modifier ID Internal User		
	A	ction Date Action Da	te not specified	Retry Count 5		
	Linked To					
	16	nked User Not linked	to any user	Linked By		
		CCOUNTLED		,		
	Account D	escription				
	Notes					
		Notes				
	Reconciliation Da	ita Matched	Accounts	Matched Users History		
	Attribute Name	Attribute Value	OIM Mapped Fie	łd		
	IT Resource2	4	IT Resource2	Lists all event data		
	USERLANGUAGE	ENG	USERLANGUAG			
	USERNAME	Anand R	USERNAME			
	TIMELEVEL	9 FMG	TIMELEVEL HOMEBRANCH			
	HOMEBRANCH	April 8, 2014 12:0				
	USERID	April 8, 2014 12:0 VKUMAR	USERID			
	o our de					



7. Reference

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



8. Appendix

8.1 Data Source Creation

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

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

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

ORACLE WebLogic Server® 11g Administration Console			
		Log in to work with th Username: Password:	Welcone eWelcog:

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

ORACLE WebLogic Server®	Administration Console			Q
Change Center	🔞 Home Log Out Preferences 🔤 Record He	lp di	Q	Welcome, weblogic Connected to: IDMDomain
View changes and restarts	Home >Summary of JDBC Data Sources			
Click the Lock & Edit button to modify, add or	Summary of JDBC Data Sources			
delete items in this domain.	Configuration Monitoring			
Lock & Edit				
Release Configuration	A JDBC data source is an object bound to the JI borrow a database connection from a data sour		database connectivity through a pool of JDBC	connections. Applications can look up a data source on the JNDI tree and then
Domain Structure	This page summarizes the JDBC data source obj	iacta that have been o	rested in this demain	
IDMDomain	This page summarizes the JOBC data source obj	jects that have been d	eated in this domain.	
Environment Deployments				
E-Services	Customize this table			
Data Sources	Data Sources (Filtered - More Columns Ex	dist)		
Persistent Stores	Click the Lock & Edit button in the Change Cen	nter to activate all the t	outtons on this page.	
Foreign JNDI Providers				
Work Contexts	New ~ Delete			Showing 1 to 10 of 19 Previous Next
XML Entity Caches	🔲 Name 🗇	Туре	JNDI Name	Targets
jCOM Mail Sessions	EDNDataSource	Generic	jdbc/EDNDataSource	soa_server1
-File T3	EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1
How 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	FCUBSScheduler	Generic	jdbc/fcjSchedulerDS	Applications
System Status	jdbc/registryDS	Generic	jdbc/registryDS	wls_ods1, wls_oif1, osr_server1
-	mds-oim	Generic	jdbc/mds/MDS_REPOS	oim_server1
Health of Running Servers	New - Delete			Showing 1 to 10 of 19 Previous Next
Failed (0)				
Critical (0)				
Overloaded (0)				
Warning (0) OK (5)				
UK (5)				



5. Click on Lock & Edit as shown below.

ORACLE WebLogic Ser	ver [®] Adm	inistration Console			Q
Change Center	1	🔒 Home Log Out Preferences 🔤 Record	Help	Q	Welcome, weblogic Connected to: IDMDomain
View changes and restarts		Home >Summary of JDBC Data Sources			
Click the Lock & Edit button to modify, add o delete items in this domain.		ummary of JDBC Data Sources			
Lock & Edit	1 -	Configuration Monitoring			
Release Configuration		A JDBC data source is an object bound to the borrow a database connection from a data		latabase connectivity through a pool of JDI	BC connections. Applications can look up a data source on the JNDI tree and then
Domain Structure		This page summarizes the JDBC data source	e objects that have been cre	eated in this domain	
IDMDomain Deployments Services Messaging		 Customize this table Data Sources (Filtered - More Column 			
Data Sources Persistent Stores Foreign JNDI Providers	=	Click the Lock & Edit button in the Change		uttons on this page.	
Work Contexts		New ~ Delete			Showing 1 to 10 of 19 Previous Next
XML Entity Caches		🔲 Name 🗞	Туре	JNDI Name	Targets
jCOM		EDNDataSource	Generic	jdbc/EDNDataSource	soa_server1
-File T3	-	EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1
How do I	-	fgDevDS	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 		FCUBSScheduler	Generic	jdbc/fcjSchedulerDS	Applications
System Status		jdbc/registryDS	Generic	jdbc/registryDS	wls_ods1, wls_oif1, osr_server1
Health of Running Servers		mds-oim	Generic	jdbc/mds/MDS_REPOS	oim_server1
Failed (0) Critical (0)		New v Delete			Showing 1 to 10 of 19 Previous Next
Overloaded (0) Warning (0) OK (5)					

6. Expand New and click on Generic Data Source.

Thange Center		Home Log Out F	Preferences 🔤	Record Help		Q		Welcome, weblogic Cor	nected to: IDMDomai
View changes and restarts	н	ome >Summary of	JDBC Data Sour	ces					
No pending changes exist. Click the Release		nmary of JDBC I	Data Sources						
Configuration button to allow others to edit the domain.		onfiguration M	Ionitoring						
Lock & Edit									
Lock & Edit								lications can look up a data source on the JND:	
Release Configuration		A JDBC data sourc porrow a database			tree that provides	database connectivity through a pool	of JDBC connections. App	Rications can look up a data source on the JND.	tree and then
omain Structure	Ξ.	This page summarizes the IDBC data source objects that have been created in this domain.							
		rnis page summan.		source objects	and thave been a	corca in ans domain.			
E-Environment		Customize this t							
Deployments	P 1	Lustomize this t	able						
-Services	0	ata Sources (Fi	tered - More C	olumns Exist)					
Data Sources	=	New - Delet	е					Showing 1 to 10 of	19 Previous Next
Persistent Stores		Generic Data Sou						-	
Foreign JNDI Providers Work Contexts		GridLink Data Sou			Туре	JNDI Name		Targets	
XML Registries	_				Generic	jdbc/EDNDataSource		soa_server1	
XML Entity Caches iCOM		Multi Data Source	ource		Generic	jdbc/EDNLocalTxDataSource		soa_server1	
Mail Sessions		fcjDevDS			Generic	jdbc/fcjDevDS		Applications	
File T3	-	fcjdevDS11			Generic	jdbc/fcjdevDS11		Applications	
low do I		fcjdevDS120			Generic	jdbc/fcjdevDS120		Applications	
Create JDBC generic data sources		FCUBS			Generic	jdbc/fcjdevDS		AdminServer, Applications	
Create JDBC GridLink data sources		FCUBS 120_X	A		Generic	jdbc/fcjdevDS120_XA		Applications	
Create JDBC multi data sources		FCUBSSchedu	ıler		Generic	jdbc/fcjSchedulerDS		Applications	
Delete JDBC data sources		jdbc/registry(os		Generic	jdbc/registryDS		wls_ods1, wls_oif1, osr_server1	
 Delete JDBC multi data sources 		mds-oim			Generic	jdbc/mds/MDS_REPOS		oim_server1	
		New - Delet	A					Showing 1 to 10 of	19 Previous Next
			-					showing 1 to 10 or	as mendas mext
lealth of Running Servers									
Failed (0)									
Critical (0)									
Overloaded (0)									
Warning (0)									

The following screen will get displayed.

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



For example value of the key FCUBS_CON_POOLNAME is OIM then:

Oracle

Name OIM jdbc/OIM

JNDI Name

Database Type

	Administration Console	
Change Center	😭 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: IDMDom
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 Next Finish Cancel JDBC Data Source Properties The following properties will be used to identify your new JDBC data source. ************************************	
Domain Structure		
IDMDonain B-Envrorment Deployments B-Services B-MessagingOata Sources B-Persistent StoresPersistent StoresWak RegistresWak CratextsWak Entity Cachesyouk Entit	What would you like to name your new X08C data source? Image: OIM What XNDI name would you like to assign to your new X08C Data Source? Image: JNOI Name: Jabo/OIM	
How do I		
Create JDBC generic data sources Create LLR-enabled JDBC data sources	What database type would you like to select? Database Type: Oracle	
System Status	Back Net Frish Cancel	
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (5)		

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.

ORACLE WebLogic Server®	Administration Console	Q
Change Center	🔒 Home Log Out Preferences 🕢 Record Help	Welcome, weblogic Connected to: IDMDomain
View changes and restarts	Home >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC Data Source Back Ned Finith Cancel JDBC Data Source Properties The following properties will be used to identify your new JDBC data source.	
Domain Structure IDMOomain ⊕ Environment ⊕ Deployments ⊕ Devices ⊕ Hessaging ← Deta Sources ← Persistent Stores ← Foreign JNDI Providers ← Work Contexts →Wich Registries →Wich Registries →Wich Registries →GOM →Mal Sessions ← Fig 13	Database Type: Oracle What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supp Database Driver: *Oracle's Driver (Thin) for Instance connections; Versions:9.0.1 and later Back Imath Cancel	orted by Orade WebLogic Server.
How do L Create JDBC generic data sources Create LLR-enabled JDBC data sources System Status Health of Running Servers Failed (0) Critical (0) Overloaded (0)		
Overloaded (0) Warning (0) OK (5)		



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

ORACLE WebLogic Server®	Administration Console
Change Center	🏦 Home Log Out Preferences 🖂 Record Help 🛛 🔍 Welcome, weblogic Connected to: IDMDomain
View changes and restarts	Home >Summary of JDBC Data Sources
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC Data Source Back Ned Printh Cancel Transaction Options You have selected non -XA JDBC driver to create database connection in your new data source.
Domain Structure	Does this data source support global transactions? If yes, please choose the transaction protocol for this data source.
IDMDomain	Supports Global Transactions
UeploymentsServices B-MessagingData SourcesPorsign JNDI ProvidersForeign JNDI ProvidersWnL RegistriesWL RegistriesWL CodexWL Seasons	Select this option if you want to enable non-XA JOBC connections from the data source to participate in global transactions using the Logging Last Resource (LLR) transaction optimization. Recommended in place of Emulate Two-Phase Commt.
	Select this option if you want to enable non-XA JDBC connections from the data source to emulate participation in global transactions using JTA. Select this option only if your application can tolerate heuristic conditions. Tenulate Two-Phase Commit
How do L	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	One-Phase Commit O
Create LLR-enabled JDBC data sources	Back Ned Finish Cancel
System Status	
Health of Running Servers	
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (5)	

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	Q	Welcome, weblogic Connected to: IDMDomain				
View changes and restarts	Home >Summary of JDBC Data Sources						
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC Data Source Back Ned Printh Cancel Connection Properties Define Connection Properties.						
Domain Structure	What is the name of the database you would like to connect to?						
IDMDomain	Database Name:						
-Services -Messaging	What is the name or IP address of the database server?						
Data SourcesPersistent StoresForeign JNDI Providers	Host Name:						
Work Contexts	What is the port on the database server used to connect to the database?						
XML Registries XML Entity Caches jCOM	Port:	1521					
File T3	What database account user name do you want to use to create databa	ise connections?					
How do I	Database User Name:						
Create DBC generic data sources What is the database account password to use to create database connections? 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) OK (5)	Back Net Finish Cancel						

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.

	dministration Console		Q					
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: IDMDomain					
View changes and restarts	Home >Summary of JDBC Data Sources							
No pending changes exist. Click the Release	Messages							
Configuration button to allow others to edit the	Connection test succeeded.							
domain.								
Lock & Edit	Create a New JDBC Data Source							
Release Configuration	Test Configuration Back Next Finish Cancel							
Domain Structure	Test Database Connection							
IDMDomain	Test the database availability and the connection properties you provi	ided.						
Environment Deployments	What is the full package name of JDBC driver class used to create data	base connections in the connection pool?						
Services	(Note that this driver class must be in the classpath of any server to wh	sich it is deployed)						
Hessaging	(Note that this driver class must be in the classpath of any server to wi	ich nus deployed.)						
Data Sources =								
Foreign JNDI Providers	Driver Class Name:	oracle.jdbc.OracleDriv						
Work Contexts								
XML Registries	What is the URL of the database to connect to? The format of the URL	varies by JDBC driver.						
XML Entity Caches	URL:							
Mail Sessions	UKL.	jdbc:oracle:thin:@10.18						
-File T3	What database account user name do you want to use to create datab	ana connections?						
How do I	What database account user hame do you want to use to create datab	ase connections:						
Create JDBC generic data sources	Database User Name:	DAY0114						
Create LLR-enabled JDBC data sources								
	What is the database account password to use to create database con	nections?						
System Status 😑	(Note: for secure password management, enter the password in the Pa	issword field instead of the Properties field below)						
Health of Running Servers								
5.1.1(0)	Password:	•••••						
Failed (0)								
Critical (0) Overloaded (0)	Confirm Password:	•••••						
Warning (0) OK (5)	What are the properties to pass to the JDBC driver when creating database connections?							
	Properties:							
	user=DAY0114							
The set of driver properties whose values are derived at runtime from the named system property.								

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

ORACLE WebLogic Server® Administration Console								
Change Center	🙆 н	ome Log Out Preferences 🔤 Record Help		Q	Welcome, weblogic Connected to: IDMDomain			
View changes and restarts	Home >Summary of JDBC Data Sources							
Pending changes exist. They must be activated to take effect.	Summary of JDBC Data Sources Configuration Monitoring A JDBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connections. Applications can look up a data source on the JNDI tree and then							
Domain Structure This page summarizes the JDBC data source objects that have been created in this domain. DM-Environment This page summarizes the JDBC data source objects that have been created in this domain.								
DeploymentsServicesMessaging		stomize this table a Sources (Filtered - More Columns Exist)						
Data Sources Persistent Stores Foreign JNDI Providers		New v Delete Showing I to 10 of 20 Previous Nex						
Work Contexts		Name 🗇	Туре	JNDI Name	Targets			
XML Registries		EDNDataSource	Generic	jdbc/EDNDataSource	soa_server1			
јСОМ		EDNLocalTxDataSource	Generic	jdbc/EDNLocalTxDataSource	soa_server1			
Mail Sessions		fcjDevDS	Generic	jdbc/fcjDevDS	Applications			
How do I		fcjdevDS11	Generic	jdbc/fcjdevDS11	Applications			
		fcjdevDS120	Generic	jdbc/fcjdevDS120	Applications			
Create JDBC generic data sources		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			
		mds-oim	Generic	jdbc/mds/MDS_REPOS	oim_server1			
System Status	N	ew v Delete		1	Showing 1 to 10 of 20 Previous Next			
Health of Running Servers								
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (5)								



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