Oracle Access Manager Oracle FLEXCUBE Universal Banking Release 12.4.0.0.0 [May] [2017]



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1. Introduction

For the purpose of single sign-on FLEXCUBE UBS is qualified with Oracle Identity Management 11.1.2.2.0 (Fusion Middleware 11gR1) – specifically using the Access Manager component of Oracle Identity Management. This feature is available in the releases FC UBS V.UM 7.3.0.0.0.0.0 and onwards of FLEXCUBE UBS.

This document is expected to provide an understanding as to how single sign-on can be enabled for a FLEXCUBE UBS deployment using Oracle Fusion Middleware 11g.

In addition to providing a background to the various components of the deployment, this document also talks about Configuration in FLEXCUBE and Oracle Access Manager to enable single sign-on using Oracle Internet Directory as a LDAP server.



2. Background and Prerequisites

2.1 <u>Pre-Requisites</u>

The following are the pre-requisites for Oracle Access Manager (OAM) and LDAP Directory Server.

2.1.1 Software Requirements

- 1. Oracle Access Manager OAM (11.1.2.2.0)
 - Access Server
 - Webtier Utilities 11.1.1.7.0
 - Web Gate 11.1.2.2.0
 - Http Server
- 2. LDAP Directory Server

Please make sure that the LDAP which is been used for Flexcube Single Signon deployment is certified to work with OAM.

List of few LDAP Directory servers supported as per OAM document (note – this is an indicative list. The conclusive list can be obtained from the Oracle Access Manager documentation):

- Oracle Internet Directory
- Active Directory
- ADAM
- ADSI
- Data Anywhere (Oracle Virtual Directory)
- IBM Directory Server
- NDS
- Sun Directory Server
- 3. Web Logic(10.3.5)

For the purpose of achieving single sign on for FCUBS in FMW 11gR1, it is necessary for the weblogic instance to have an explicit Oracle HTTP server (OHS).

2.2 Background of SSO related components

2.2.1 Oracle Access Manager (OAM)

Oracle Access Manager consists of the Access System, and the Identity System. The Access System secures applications by providing centralized authentication, authorization and auditing to enable single sign-on and secure access control across enterprise resources. The Identity System manages information about individuals, groups and organizations. It enables delegated administration of users, as well as self-registration interfaces with approval workflows. These systems integrate seamlessly.



The backend repository for the Access Manager is an LDAP-based directory service that can be a combination of a multiple directory servers, which is leveraged for two main purposes:

- As the store for policy, configuration and workflow related data, which is used and managed by the Access and Identity Systems
- •As the identity store, containing the user, group and organization data that is managed through the Identity System and is used by the Access System to evaluate access policies.

2.2.2 LDAP Directory Server

To integrate Flexcube with OAM to achieve Single Sign-on feature, Flexcube's password policy management, like password syntax and password7 expiry parameters can no longer be handled by Flexcube. Instead, the password policy management can be delegated to the Directory Server. All password policy enforcements would be on the LDAP user id's password and NOT Flexcube application users' passwords.

2.2.3 WebGate/AccessGate

A WebGate is a Web server plug-in that is shipped out-of-the-box with Oracle Access Manager. The WebGate intercepts HTTP requests from users for Web resources and forwards it to the Access Server for authentication and authorization.

Whether you need a WebGate or an AccessGate depends on your use of the Oracle Access Manager Authentication provider. For instance, the:

Identity Asserter for Single Sign-On: Requires a separate WebGate and configuration profile for each application to define perimeter authentication. Ensure that the Access Management Service is On.

Authenticator or Oracle Web Services Manager: Requires a separate AccessGate and configuration profile for each application. Ensure that the Access Management Service is On.

2.2.4 Identity Asserter

Identity Asserter uses Oracle Access Manager Authentication services and also validates alreadyauthenticated Oracle Access Manager Users through the ObSSOCookie and creates a WebLogicauthenticated session. It also provides single sign-on between WebGates and portals. We can get more details on Identity asserter <u>HERE</u>

This document containts the configuration of Oracle Interner Directory as LDAP server and its configuration in weblogic. This document will not discuss the configuring and setting up of OAM and LDAP directory server of other LDAP servers. This will be provided by the corresponding Software provider.



3. Configuration

3.1 Pre-Requisites

The steps provided below assume that FLEXCUBE has already been deployed and is working (without single sign-on)

The provided below steps assume that Oracle Access Manager and the LDAP server have been installed already and the requisite setup already done with respect to connecting the two along Weblogic's Identity Asserter.

3.2 Change the web.xml file

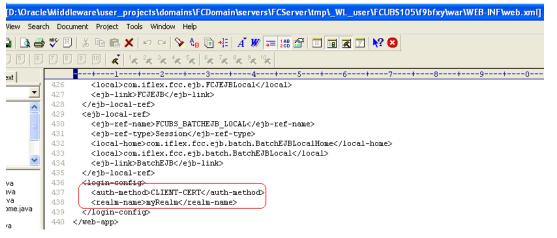
- 1. Locate the web.xml file in the application (FCUBS) EAR file
- 2. Add the following lines under login-config.

<login-config>

<auth-method>CLIENT-CERT</auth-method>

<realm-name>myRealm</realm-name>

</login-config>



3. Save the file and redeploy and restart the application.

3.3 Configuring SSO in OAM Console

After installing OAM, Webtier Utilities and Webgate, extend the weblogic domain to create OAM server.

Follow the post installation scripts deployWebGate and EditHttpConf as provided in (http://docs.oracle.com/cd/E17904_01/install.1111/e12002/webgate004.htm



1. Identity Store Creation

To create new User Identity Store, Login to OAM Console and navigate to System Configuration>>Common configuration>>Data Sources>> User Identity Store.

2. Input below information in the User Identity Store.

Choose Store Type as Oracle Internet Directory.

Location:

LDAP server Host name and Port Number in <HOSTNAME>:PORT format

Bind DN:

User name to connect the LDAP Server

Password:

Password to connect the LDAP Server

User Name Attribute:

The attribute created in LDAP, which will be the User Name for the other application (here it will be treated as the FCUBS Username)

User Search Base:

The container of the User Name in the LDAP server.

Group Search Base:

The container of the Group Name in the LDAP server.



Firefox 🔻 🖸 Oracle Access Manager - Administra	t × 🗍 Error 404Not Found × +
(iflchw-ap-21:7001/oamconsole/faces/pages/Po	vlicyManager,jspx?_adf.ctrl-state=kfr23iytk_4&_afrLoop=10370372111194 😭 🛡 C 🖁 🚼 🔹 oam agent 11g base url 🔎 🍙 💽 🕐 🔹
ORACLE Access Manager	Accessibility Help Sign Out 📿 Signed in as weblog:
Policy Configuration System Configuration	
✓ Common Configuration	O Welcome FCUBSWebgate OAM Agents oam_server1 LDAP User Identity Stores
Actions 🗸 View 🖌 📑 🗁 💥 🔞	Create: User Identity Store Test Connection Apply (2)
♥ □ota Sources ▲ ♥ 📽 User Identity Stores ▶ ▶ ▷ ₩ UserIdentityStore1 ■ ▶ □ ₱ Plugins ■ ♥ Access Manager Settings	* Store Name FCUBSIdentityStore Description * Store Type OID: Oracle Internet Directory Enable SSL
Actions • View • 🛛 🔁 💥 🚱	✓ Location and Credentials
 ✓ Access Manager Settings ✓ 🖧 SSO Agents > 🖧 OAM Agents > 公 OSSO Agents 	* Location ifdrw-ap-21:3061 * Bind DN cn=ordadmin
♥ Matthentication Modules ♥ Mathentication module ● Mathentication module > Custom Authentication module	Users and Groups * User Name Attribute ud * User Search Base cn=Users,dc=orade,dc=com User Filter Object Olasses Group Name Attribute * Group Search Base cn=Groups,dc=orade,dc=com Group Filter Object Olasses Group Filter Object Olasses Group Cache Group Cache Size (Mb) 10000 © Group Cache Tit, (Seconds) 0 © Connection Details Minimum Pool Size 10 © Maximum Pool Size 50 © Inactivity Timeout (seconds) ©
≥ Security Token Service	4
http://iflchw-ap-21:7001/oamconsole/faces/pages/Policy	x?_adf.ctrl-state=kfr23jytk_48_afrLoop=10370372111194#

3. After input of the above information click on Apply button. On Successful creation, click test connection button to verify whether the LDAP connection is working fine.



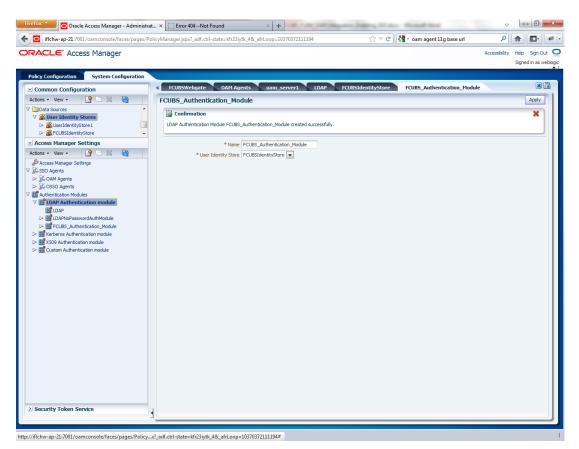
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Filchw-ap-21:7001/oamconsole/faces/pages/Pc	licyManager.jspx?_adf.ctrl-state=kfr23iytk_4&_afrLoop=10370372111194	🗸 C 🚺 - oam agent 11g base url 🛛 🔎 🍙 💽 - 🍻
ORACLE' Access Manager		Accessibility Help Sign Out C
Policy Configuration System Configuration		
Common Configuration	Q Welcome FCUBSWebgate OAM Agents oam_server1 LDAP	FCUBSIdentityStore
Actions - View -	FCUBSIdentityStore	Test Connection Apply (?)
✓ Data Sources ✓ Surces ✓ Surces	Confirmation	Connection Status 🕅 💥
Ser Identity Stores Ser IdentityStore 1 Ser IdentityStore	User Identity Store FCUBSIdentityStore created successfully.	Connection to the User Identity Store successful!
✓ Access Manager Settings	Store Name FCUBSIdentityStore Description	OK Cancel
Actions - View - 🔄 🗁 💥 🖓	* Store Type OID: Orade Internet Directory	
 ▷ Access Manager Settings ▽ SSO Agents ▷ SO Agents 		:
▷ 🖗 OSSO Agents	∠Location and Credentials	
✓ ∰ Authentication Modules ✓ ∰ LDAP Authentication module	* Location ifichw-ap-21:3061	* Bind DN cn=orcladmin
		* Password
Eff Kerberos Authentication module Eff X509 Authentication module Eff X509 Authentication module Eff Custom Authentication module	Default and System Store Options Set as default store (Qurrent Default Store UserIdentityStore1) Set as system store (Current System Store UserIdentityStore1)	
	✓Users and Groups	
	* User Name Attribute uid * User Search Base cn=Users,dc=orade,dc=com	
	User Filter Object Classes	_
	Group Name Attribute	
	* Group Search Base cn=Groups,dc=oracle,dc=com	
	Group Filter Classes	
	Enable Group Cache	
	Group Cache Size (Mb) 10000	
	Group Cache TTL (Seconds)	
	✓Connection Details	
	Minimum Pool Size 10 🚔	esults time limit (seconds)
	Maximum Pool Size 50 🛋	Retry Count 3 💂
	Wait Timeout (seconds) 120 🚽	Referral Policy follow
> Security Token Service	Inactivity Timeout (seconds)	

4. Creating Authentication Module

Navigate to System Configuration >> Access Manager Settings >> Authentication Modules >> LDAP Authentication Module.

Click New Button to create new Authentication Module. Input the Name of the authentication module and choose the User Identity Store we created in step 1.





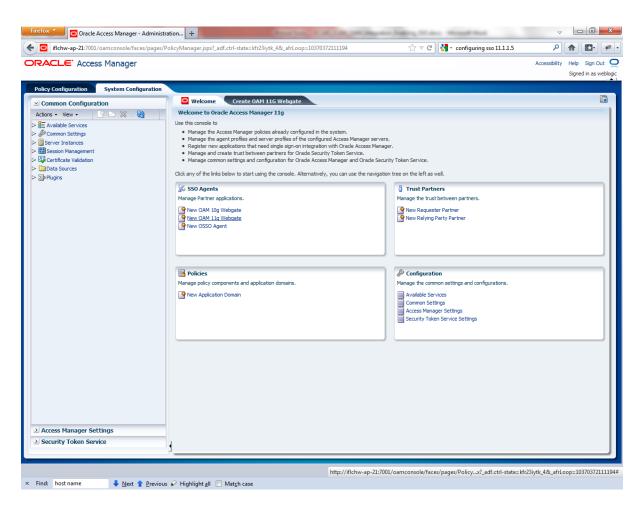
5. Creating OAM 11g Webgate

Navigate to System Configuration>>Access Manager Settings>>SSo Agents>>OAM Agents.

Click on Create 11g webgate button

or Click on New OAM 11g Webgate link available in welcome page.





Enter any name for Webgate and Base URL (The host and port of the computer on which the Web server for the Webgate is installed) and click on apply.



iflchw-ap-21:7001/oamconsole/faces/pages/Pc	olicyManager.jspx?_adf.ctrl-state=kfr23iytk_48&_afrLoop	=10370372111194 ☆ マ C 🛛 🚼 マ configuring sso 11.1.1.5	P 🏦 💽 🕴
RACLE [®] Access Manager			Accessibility Help Sign Out Signed in as webl
Policy Configuration System Configuration			
✓ Common Configuration	• Welcome Create OAM 11G Webgate		× 🕱
Actions • View • 📑 🗁 💥 🕅	Create OAM 11g Webgate		Apply
 Formatistic Services Grand Services Gerver Instances Gerser Instances Gerser Services Control Services Control Services Plugins 		7001 7001 Virtual host I Auto Create Policies I IP Valdation I Public Resource List * X Relative URI	
> Access Manager Settings			
Security Token Service			

Once the OAM 11g Webgate created, add filterOAMAuthnCookie=false parameter along with default parameters in User Defined Parameters.

Click apply button to save the changes.



iflchw-ap-21:7001/oamconsole/faces/pages/Pc	olicyManager.jspx?_afrWindowMode=0&_afrLoop=297269613	77208&_adf.ctrl-state=1cm2g2efx, 🏠 ⊽ C 🛛 🚼 - filt	erOAMAuthnCookie parameter 👂 🏫 💽
			Signed in as w
olicy Configuration System Configuration			X
Common Configuration	Welcome OAM Agents FCUBSWebgate	e	
ctions View Available Services	FCUBSWebgate		Apply
Common Settings	Confirmation		×
Server Instances	OAM 11g Webgate FCUBSWebgate modified successfully. A	Application Domain is FCUBSWebgate	
Access Manager Settings	Name FCUBSWebgate	Logout Callback URL	/oam_logout_success
ions 🕶 View 👻 🔄 🔀	Access Client Password	Logout Redirect URL	https://10.180.196.158:14101/oan
Access Manager Settings	* Security Open Simple	Logout Target URL	
OAM Agents	© Cert	User Defined Parameters	proxxSSLHeaderVar=IS_SSL
SSO Agents	* State Enable		URLINUTF8Format=true dient_request_retry_attempts=1
Authentication Modules	© Disable		inactiveReconfigPeriod=10
	* Max Cache Elements 100000		filterQAMAuthnCookig=false
	* Cache Timeout (Seconds) 1800 🖨	* Sleep for	60 🖨
	* Token Validity Period (Seconds) 3600 🚔	Cache Pragma Header	
	* Max Connections 1	Cache Control Header	no-cache
	* Max Session Time 3600 🖨	Debug	-
	* Failover Threshold 1 🚔	IP Validation	
		Deny On Not Protected	
	* Preferred Host FCUBSWebgate	Allow Management Operations	
	Logout one		
	Server Lists		
	Primary Server List 🕂 🕂		• *
	Server Name Host Name Host Port Max Numb	Server Name Host Name Host Port Max 1	lumber
	oam_server 💌 iffdw-ap-21 5575	1	
Security Token Service			-

6. Post OAM Webgate 11g Creation Steps

Perform the following steps to copy the artifacts to the Webgate installation directory:

• On the Oracle Access Manager Console host, locate the updated OAM Agent ObAccessClient.xml configuration file (and any certificate artifacts). For example:

\$DOMAIN_HOME/output/\$Agent_Name/ObAccessClient.xml

• On the OAM Agent host, copy artifacts (to the following Webgate directory path). For example:

11gWebgate_instance_dir/webgate/config/ObAccessClient.xml (for instance WebTier_Middleware_Home/Oracle_WT1/instances/instance1/config/ OHS/ohs1/webgate/config/ObAccessClient.xml)

7. Creating Authentication Scheme



To create Authentication Scheme navigate to Policy Configuration >> Authentication Schemes

Click on Create button to create new Authentication Scheme.

Name	: Any name to identify Authentication Scheme
Challenge Method	: BASIC
Challenge Redirect URL	: /oam/server

Authentication Module : Choose the authentication module created in step 2.

Firefox * Oracle Access Manager - Administ	rat × 🔁 Integrating OAM Security Provider wi × 🕂	
(filchw-ap-21:7001/oamconsole/faces/pages/	PolicyManager.jspx?_adf.ctrl-state=kfr23iytk_4&_afrLoop=10370372111194	🏫 रु ए 🚼 र authentication schema oam 11g 🛛 🔎 🍙 💽 र 🥐 र
ORACLE [®] Access Manager		Accessibility Help Sign Out Q Signed in as weblogic
Policy Configuration System Configuration		
All	O Welcome B FCUB5_Auth_Scheme	× ×
Search	Authentication Schemes	Set As Default Apply
Browse Search View • 	Confirmation Authentication Scheme, FCUBS_Auth_Scheme, created successfully	*
▼ <pre></pre>	* Name FCU85_Auth_Scheme Descriptio * Authentication Level 1 (2) * Challenge Redirect URI / Joan/server * Authentication Module FCU85_Authentication_Module • Challenge Parameters	



If it is a basic authentication scheme, we need to add the 'enforce-valid-basic-auth-credentials' tag to the config.xml file located under /user_projects/domains/<MyDomain>/config/. The tag must be inserted within the <security-configuration> tag as follows: [Just before the end of security configuration tag]

<enforce-valid-basic-auth-credentials>false</enforce-valid-basic-auth-credentials>

</security-configuration>

8. Creating Authentication Scheme

To create authentication policy, navigate to Policy Configuration >> Application Domains >> [Webgate agent name] >> Authentication Policies.

Click new button and input the below information

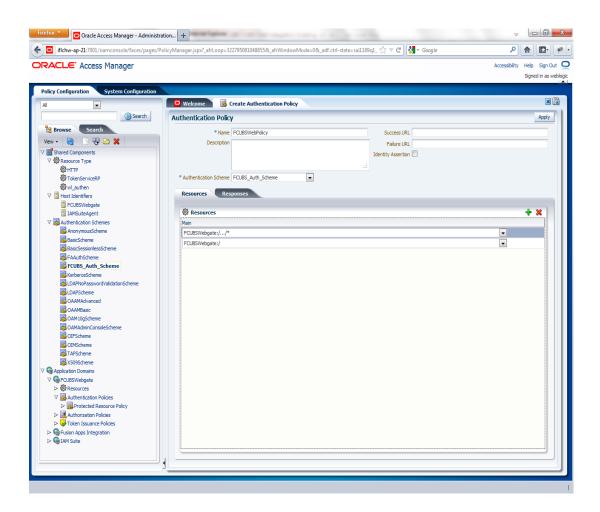
Name : Enter any name to identify the Authentication Policy (eg. FCUBSWebPolicy)

Authentication Scheme: Choose the authentication scheme created in step 5.

Resources:

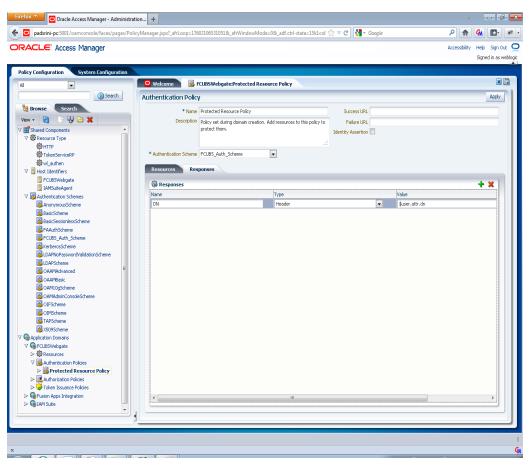
Add the resources which are all need to be protected. If <WebgateName>:/.../ and <WebgateName>:/ are added in the resources then all the sources are protected.





Add DN in the Responses section. Enter the value as *\$user.attr.dn.* The responses maintained in the tab will be added in the response header during the authentication.



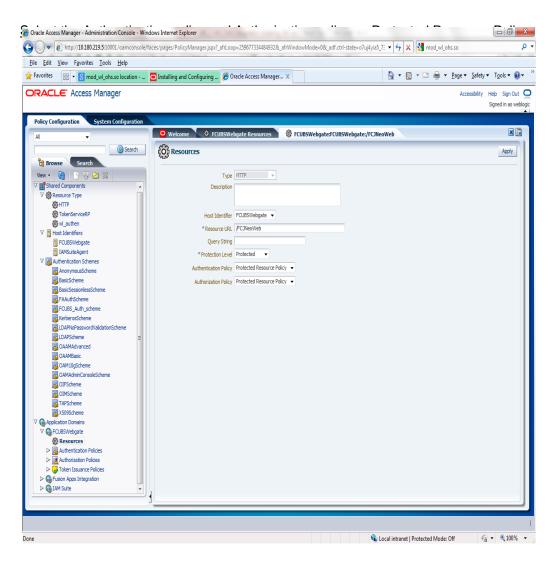


9. Adding Resources

Navigate to Policy Configuration >>Application Domains >>FCUBSWebgate >>Resources .

- Click on Create New Resource button .
- Select the type as HTTP.
- Select the Host Identifier as FCUBSWebgate
- Enter the resource URL as /FCJNeoWeb
- Select the protection level as Protected
- Click on apply button to update the resource added.

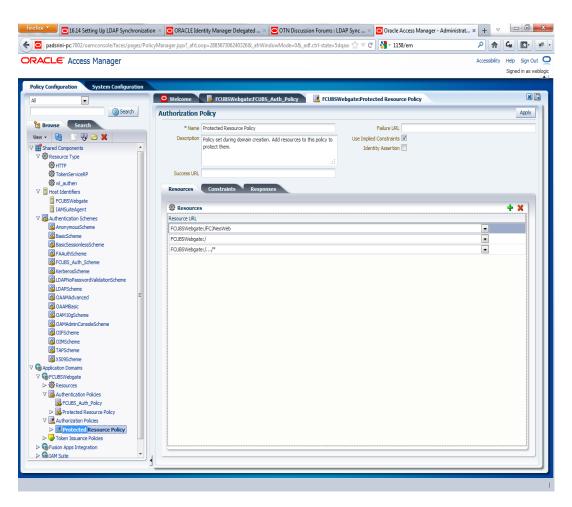




10. Adding Authorization Policy

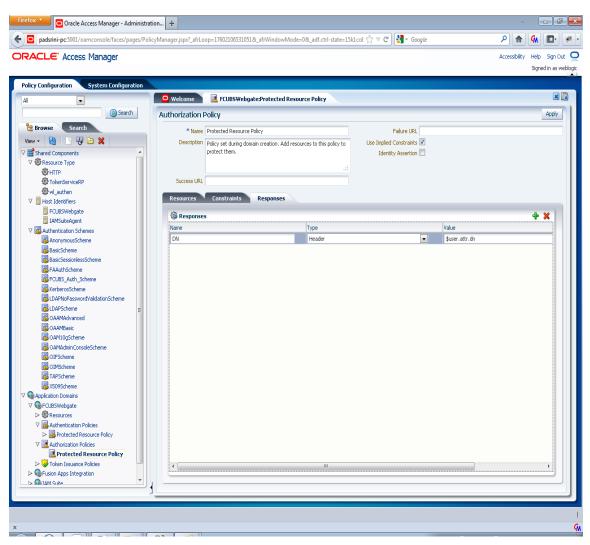
Check whether the resources available in the authentication policies are available in Authorization Policy. During web gate creation these values are defaulted.





Add DN in the Responses section. Enter the value as *\$user.attr.dn*. The responses maintained in the tab will be added in the response header during the authorization.





11. Configuring mod_wl_ohs for Oracle Weblogic server Clusters

To enable the Oracle HTTP Server instances to route to applications deployed on the Oracle Weblogic Server Clusters, add the directive shown below to the mod_wl_ohs.sh file available in <Weblogic Home> /Oracle_WT1/instances/instance1/config/OHS/ohs1.

<Location /console>

SetHandler weblogic-handler

WebLogicHost idmhost1.mycompany.com

WeblogicPort 7001

</Location>

12. Checking the Webgate 11g Agent Creation



After configuration of webgate 11g agent launch the URL

<u>http://<hostname>:<ohs Port>/ohs/modules/webgate.cgi?progid=1</u> to verify whether the webgate configuration is fine. If the URL launches a screen as below then the webgate configuration is working fine.

Access Server		ate	Create	d Direct	ition Num Of Dir ory Threads Info	- 1
padsrini-pc 5575, 1	Up	1	Monday August 27, 201 11:08:0	2		
Cache Name	State			Timeout (seconds)		Memory Footprin (bytes)
Resource to Authentication Scheme		100000	60	1800	13979:416:139:1	33688
Authentication Scheme	active	25	1	1800	45629:140:138:1	710
Resource to Authorization Policy	active	100000	59	1800	183:59:0:1	25488
Authorization Result	active	1000	3	15	178:5:4:1	6507

13. Using OAM Test Tool (This step is not mandatory)



There is a test tool provided in OAM software which helps us to check the response parameter values. The test tool is available in <OAM Install Dir>\ oam\server\tester.

Oracle Access Manager Test Tool		×
Eile Edit Test Help		
🔁 🖬 🥔 🔁		
Server Connection		
IP Address Port Max Conn	*Agent ID	1
*Primary: padsrini-pc 5575 1	FCUBSWebgate	
	Agent Password	
Secondary: 0 1	?	
Min Conn Timeout (ms) Mode 1 30000 open \nother	✓ Connect	
Protected Resource URI	1	
Scheme *Host	Port 🥣	-
http FCUBSWebgate	0 Get Auth Sche	eme
Resource	Operation	
Agent Password Agent Password Agent Password Agent Password Connect Agent Password Connect Connect Connect Connect Connect Connec		
	Authenticate	
Status Messages		
[8/27/12 11:17 AM][response] Redirect URL : https://padsrini-po:14101/oam/server	r	
[8/27/12 11:17 AM][response] User DN : cn=SARAN,cn=users,dc=oracle,dc=com		
· · · · · · · · · · · · · · · · · · ·	.08	
[8/27/12 11:17 AM][response][action] DN : cn=SARAN,cn=users,dc=oracle,dc=cor	m	
[8/27/12 11:17 AM][response][action] OAM_IMPERSONATOR_USER : [8/27/12 11:17 AM][request][authorize] yes		=
[8/27/12 11:17 AM][request][authorize] yes [8/27/12 11:17 AM][response][action] DN : cn=SARAN,cn=users,dc=oracle,dc=cor	m	1
[8/27/12 11:17 AM][response][action] OAM_IMPERSONATOR_USER :		
[8/27/12 11:17 AM][response][action] OAM_REMOTE_USER : SARAN		
[8/27/12 11:17 AM][response][action] OAM_IDENTITY_DOMAIN : FCUBSIdentityS	Store	-
Elapsed (ms): 47 Capture Queue: Empty	•	4

Use **iava -iar oamtest.iar** to launch the OAM test tool.

For eg. D:\weblogic\Middleware\Oracle_IDM1\oam\server\tester



3.4 First launch of FLEXCUBE after Installation

After installing FLEXCUBE and while launching it for first time, the normal FCUBS login screen with userid and password will appear, this is because when installing the 'sso installed' parameter will be set to 'N'.

3.4.1 Bank Parameter Maintenance

To enable SSO in FLEXCUBE, login into the application and enable "SSO Enabled" Check box in "Bank Maintenance" screen.

Bank Parameters Maintenance	_ ×
Bank Code * 000	Customer Name BANK FUTURA
Head Office Branch Code * <u>000</u>	Description BANK FUTURA
Financial Preferences General Preferences	
Format Masks CIF Mask <u>bbbnnnnn</u> General Ledger Mask * <u>nnnnnnnn</u>	Year End Profit and Loss General Ledger * 241000801 Transaction Code * 000
Spread Application Both Leg Spool File Purge Days 90 Inter Pay Lead days 3	General Ledger Purge Days General Ledger Purge Days Auto Batch User Restriction For Batch Number SSO Enabled
Cheque Numbering Details Scheme Cheque Numbers Unique for Branch	Checksum Algorithm
TRS Details	Suspense Account
Account Mask Preferences Fields	
Input ByLC32702 Authorized ByLC32702A Date Time 2012-02-29 13:26:22 Date Time 2012-02-2	Number Ok Fuit

3.4.2 SSO Parameters

After enabling SSO, the parameters required for SSO should be maintained. Go to "Security Maintenance -> Sys. Administration -> SSO Maintenance". Provide all the details like Directory Server host name, Port number, LDAP admin Userid , admin Password, LDAP base and Login time out duration (in Sec).



🔶 Single Sign On Maintenance	•					_ ×
LDAP Host*	padsrini-pc					
LDAP Port*	3060					
LDAP Admin Id *	cn=orcladmin					
LDAP Password *	•••••					
	cn=Users,dc=oracle,dc=c					
	om .::					
Time Out Duration(Seconds) *						
,						
				_		
Fields						
Input BySARAN	Authorized By SAF	RAN	Modification	1	Authorized	Exit
Date Time 2012-01-06 12:3	3:04 Date Time 201	2-01-06 12:33:04	Number		Open	EXIT

3.4.3 Maintaining Branch Level DN Template (Branch Maintenance)

Go to the "Branch Maintenance" of FLEXCUBE UBS.

For each branch LDAP DN template should be maintained, which is used in the FLEXCUBE user maintenance Form to populate corresponding LDAP userid automatically from this template. Go to branch level parameter screen and Click on Preferences Icon.

E.g.: LDAP DN Template: cn=<FCJUSR>,cn=Users,dc=i-flex,dc=com

Here in this above template **cn=<FCJUSR>** part preferably must be there and it should not be altered, but the rest of the DN name can change based on the configuration.



Branch Parameters Prefere	ences				
Netting Suspense General	233200804	Profit and Loss	Adjustment		_
Ledger				Track Previous Year Profit	
Walk In Customer	000003171			And Loss Adjustment	
Internal Swap Customer	000003171	Revaluation Spli	t Details		
Clearing Account				Revaluation Split Required	
Offset Clearing Account					
Weekly Holiday 1	Saturday 👻	Suspense Produ	uct Maintenand	ce	
Weekly Holiday 2	Sunday 🚽		Debit Product		
Clearing Bank Code			Description		
MIS Group For Currency		(Credit Product		
	Interdict Validation Required		Description		
Interdict Timeout Interval		International Ba	nking Account	Number Masks	
Status Processing Basis	Contract Level 👻		Bank Code	aaaann	
Provisioning Frequency	Daily 👻	Aco	count Number	aann	
Uncollected Funds Basis					
Uncollected Funds	-	FGL Integration			
	Deferred Statement			FGL Handoff Required	
	Generation	ELCM Integratio	n		
Minor (an Limit ()/ro)	Enterprise General Ledger			ELCM Replication	
Minor Age Limit (Yrs)	18			Ecom Replication	
Notification Days					
Cheque Stale Days					
Limit Expiry Advice Notification Days					
Back Value Details		LDAP DN Templa	ate		
	Parts Value of Observa				1
	Back Valued Check Required	LDAP	I emplate	cn= <fccusr>,cn=User s,dc=oracle,dc=com</fccusr>	
Back Value Days					
LCY Message Preferences					
				Ok	Exi

3.4.4 Maintaining LDAP DN for FCUBS Users

For each user id in FCUBS a user has to be created in the LDAP.

When creating the user in LDAP ensure that the DN used is same as the LDAP DN value that will be updated in user maintenance form. Once the user is created in LDAP go to the user maintenance form in FCUBS. If the FCUBS user already exists then unlock the user and update the LDAP DN value which was set when creating the user in LDAP. Click on Validate button to check whether any other user is having the same LDAP DN value.



Vser Maintenance												_ ×
User Details							User	Status	Enable	led		
User Identifi	cation *	FCUBSU	JSER						⊖Hold			
	Name *	FCUBS	User						Olisab	oled		
User Refe	erence								Clocke	ed		
Lan	quage *	ENG					Classif	ication	Staff			
Home B	 Branch *	004					Status Chang	od On	Brand	'n		
Custom	ner No					`	Last Sign					
Department	Code						Last olyn	ieu Oli	Ctoff	f Customer F	Postriction	
Department Desc	ription									uired	xesurcuon	
Tax Ide	entifier						ELCM U	Iser ID				
LD/	AP DN	FCUBSU	JSER						Multi	i Branch Acc	ess	
Time	Level *	9										
Amount F	ormat	-										
Date F	ormat		-									
		Auto	Authorizatio	n								
		Validate										
			-									
User Password			Start Date * 2012-01-06									
Password ••••		•••••	•••••				En	d Date				
Password Changed On		2012-01-06 11:01:33										
Email												
Invalid Logins												
Cum	ulative											
Succe	essive											
Restricted Password	Roles	Rights	Functions	Tills	Account	Classes	General Le	dgers	Limits	Branches	Products	
Disallowed Functions	Users	Holiday	Fields G	roup Re	striction	Centraliz	ed Role					
Maker K	Maker KANNAN1 Date Time: 2012-01-06 13:29:56 Mod No 3											
						Exit						
							Aut	horizati	on Status	Authorized		

3.4.5 Launching FLEXCUBE

After setting up FLEXCUBE to work on Single Sign on mode, navigate to the interim servlet URL from your browser.

For e.g.: http://<hostname>:[port]/FCJNeoWeb

Since the resource is protected, the WebGate challenges the user for credentials as shown below.



Firefox * Connecting	+	National State and party in which the		
padsrini-pc:7778/FCJNeoWeb			🔻 🗙 🔀 - Google	P 🛖 Cm 💽 🖗 .

Authentication	Required					
?	A username and password are being requested by https://padsrini-pc:14101. The site says: "OAM 11g"					
User Name:	SARAN					
Password:	••••••					
	OK					



Once the user is authenticated and authorized to access the resource, the servlet gets redirected to normal FLEXCUBE application server URL and now the new signon form will appear as below. The application will automatically redirect FLEXCUBE home page.



vracle FLEXCUBE UBS11.4Login - Mozilla Firefox	Testantin and the second second second	
padsrini-pc:7778/FCJNeoWeb/LoginServlet		
	ORACLE FLEXCUBE Universal Banking	
	Theme Default 💌	
	ORACLE	
	Copyright © 2010, Oracle and/or its affiliates. All rights reserved.	

3.4.6 Signoff in a SSO Situation

FLEXCUBE does not provide for single signoff currently, i.e., when a user signs off in FLEXCUBE, the session established with Oracle Access Manager by the user will not be modified in any manner.

In a SSO situation the "Exit" and "Logoff" actions in FLEXCUBE will function as "Exit", i.e., on clicking these, the user will "exit" FLEXCUBE and will need to re-launch FLEXCUBE using the FLEXCUBE launch URL.





Oracle Access Manager [May] [2017] Version 12.4.0.0.0

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