Setting up Plug-Ins Oracle FLEXCUBE Universal Banking Release 14.1.0.0.0 [May] [2018]



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1. Setting Up Plug-Ins

1.1 Introduction

You need to carry out certain tasks manually before Oracle FLEXCUBE deployment. This document details out the pre-deployment tasks based on the on the selected plug-ins.

1.2 Integrating Oracle FLEXCUBE UBS and BPEL

If you have created the EAR file with BPEL as a plug-in, then along with the Oracle FLEXCUBE UBS EAR file, the Installer creates 'FCJJPSProvider.jar' file inside the folder 'BPELbuild' created along. You need to complete the following tasks before deploying Oracle FLEXCUBE UBS EAR file.

1.2.1 Custom Provider Configuration

FCUBS Custom Authenticator Provider configuration has to be done from the Weblogic console of SOA or manually update the config.xml of the SOA domain. Below steps needs to be followed to setup Custom Authentication Provider:

- 1. Along with FCUBS Ear file, Installer creates FCUBSAuthenticationProvider.jar file inside the BPELbuild folder.
 - a. Copy this file to the following path on the application server host <ORACLE HOME>\wlserver\server\lib\mbeantypes .
- 2. Restart the Admin Server.
- 3. Login to the Console.
- 4. Click on Security Realms.

	dministration Console 12c		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security Realms		
Configuration editing is enabled. Future	Home Page		
changes will automatically be activated as you modify, add or delete items in this domain.	- Information and Resources		
Domain Structure	Helpful Tools	General Information	
Dev1201_domain ⊕ Environment → Deployments ⊕ Services → Security Realms ⊕ Interoperability ⊕ Diagnostics	Configure applications Configure GridLink for RAC Data Source Configure a Dynamic Cluster Recent Task Status Set your conside preferences Orade Enterprise Manager	Common Administration Task Descriptions Read the documentation Ask a guestion on My Oracle Support	
	Domain Configurations Domain Domain	Services Messaging MS Servers	Interoperability • WTC Servers • bit Connection Pools
How do L	Environment	 Store-and-Forward Agents 	Joit Connection Pools
Search the configuration Use the Change Center Record WLST Soripts Change Console extensions Manage Console extensions Monitor servers System Status Faled th of Running Servers Health of Running Servers Gradel (0)	Servers Custers Server Templates Ingratable Targets Agnatable Targets Machines Wark Managers Startup And Shutdown Classes Your Deployeed Resources Deployments Your Application's Security Settings Security Realms	 MS Modules Not Services Bridges Data Sources Persitent Stores XML Registries XML Partly Caches Foreign XND Providers Work Contexts JCOM Mal Sessions FielT3 JTA OSG Frameworks 	Diagnostics Upgnostics Diagnostics Diagnostic Modules Upgnostic Modules Request Performance Actives Context SNMP Charts and Graphs Monitoring Dashbaard P
WebLogic Server Version: 12:1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. A Oracle is a registered trademark of Oracle Corporation	II rights reserved. n and/or its affiliates. Other names may be trademarks of their res	pective owners.	

5. Click on myrealm.



	dministration Console 12c		Q
Change Center	🏦 Home Log Out Preferences 🖂 Record Help	Q	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security Realms		
Confignation ading is malekid. Future changes will automatically be activated as your modify, add or delete items in this domain.	security realms in a WebLogic Server domain, but only	nly one can be set as the default (active) realm	polices, and security providers—that are used to protect WebLogc resources. You can have multiple or domain. Click the name of the realm to explore and configure that realm. Showing 1 to 1 of 1 Previous Next
How do I			
Configure new security realms Oelete security realms Change the default security realm			
System Status			
Health of Running Servers Patel (0) Ortical (0) Overloaded (0) Warning (0) OC (3)	il robb rearrowd.		

6. Click on Providers tab and click on new button to create new authentication provider.

		vidersTabPage&handle=com.bea.console.handles.SecurityMBeanHandle	_
DRACLE WebLogic Server Ad			ç
hange Center	🙆 Home Log Out Preferences 🔤 Record Help		Welcome, weblogic Connected to: soa_server_b
iew changes and restarts	Home >Summary of Security Realms >myrealm >Providers		
pending changes exist. Click the Release infiguration button to allow others to edit the	Settings for myrealm		
infiguration button to allow others to edit the main.	Configuration Users and Groups Roles and Policies Credential Mappings	Providers Migration	
Lock & Edit	Authentication Password Validation Authorization Adjudication Role M	apping Auditing Credential Mapping Certification Path	
Release Configuration			
main Structure	An Authentication provider allows WebLogic Server to establish trust by validating Different types of Authentication providers are designed to access different data st	a user. You must have one Authentication provider in a security realm, and you can configure multiple	Authentication providers in a security realm.
_server_bpel	Different types of Authentication providers are designed to access different data st	ores, such as LDAP servers or DBMS.	
-Domain Partitions -Environment	Customize this table		
Deployments			
-Services -Security Realms	Authentication Providers		
Interoperability	New Delete Reorder		Showing 1 to 4 of 4 Previous Next
-Diagnostics	Name	Description	Version
	FCJCustomProvider	Authentication provider for FLEXCUBE users	FCUBS 12.2
	Trust Service Identity Asserter	Trust Service Identity Assertion Provider	1.0
	DefaultAuthenticator	WebLogic Authentication Provider	1.0
w do L	DefaultIdentityAsserter	WebLogic Identity Assertion provider	1.0
Configure authentication and identity	New Delete Reorder		Showing 1 to 4 of 4 Previous Next
assertion providers			
Configure the Password Validation provider	· · · · · · · · · · · · · · · · · · ·		
Manage security providers			
Set the JAAS control flag Re-order authentication providers			
stem Status 🖂			
Failed (0) Critical (0)			
Failed (0)			



7. Give Provider name as FCJCustomProvider and type as FCUBSUserAuthenticator.

ORACLE WebLogic Server A	dministration Console 12c		ğ
Change Center	A Home Log Out Prefer	ences 🔝 Record Help	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Securi	ty Realms > myrealm > Providers > FCICustomProvider > Providers	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Authentic	ation Provider	
Domain Structure	Create a new Authen	tication Provider	
Dev 1201_domain	The following properties * Indicates required fields	will be used to identify your new Authentication Provider.	
···Security Realms ⊡ Interoperability	The name of the authentio	cation provider.	
Diagnostics	* Name:	FCJCustomProvider	
	This is the type of authent	tication provider you wish to create.	
	Туре:	FCUBSUserAuthenticator	
How do I 😑	OK Cancel		
Manage security providers			
Configure Authentication and Identity Assertion providers			
System Status	1		
Health of Running Servers			
Failed (0) Critical (0) Overloaded (0) Warning (0) CK (3)			
WebLogic Server Version: 12.1.3.0.0			

8. Click Reorder to bring the newly created provider to first of all providers and click OK.

Messages	of Security Realms >n	Record Help myrealm > Providers > P					v	Velcome, weblogi	c Connected to: Dev1201
Messages	tion cancelled - no A			Providers					
Oreate operate		Authentication Provid	ers created.						
Settings for myre									
	alm								
Configuration U	Isers and Groups	Roles and Policies	Credential Mappin	gs Providers	Migratio	n			
Authentication	Password Validat	tion Authorization	Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path	Keystores	
Authentication pr	rovider that allows y s table Providers								wing 1 to 4 of 4 Previous
🕅 Name	\sim		r	Description					Version
FCJCustom	Provider			uthentication pro	wider for FL	EXCUBE users			FCUBS 12.1
Trust Servic	e Identity Asserter		т	rust Service Iden	tity Assertio	on Provider			1.0
DefaultAuth	enticator		v	VebLogic Authent	ication Prov	vider			1.0
DefaultIden	itityAsserter		v	VebLogic Identity	Assertion p	orovider			1.0
New Delete	eReorder							Sho	owing 1 to 4 of 4 Previous
	An Authentication providers in a sec Authentication pr Customize this Authentication New Delete Rame FC:Custom Trust Servic Defaultuett Defaultuett	An Authentication provider alones W providers in a security realm. Differe Authentication provider that alons y Customize this table Authentication Providers Name PCLCustomProvider Default/Authenticator Default/Authenticator	An Authentication provider allows WebLogic Server to es providers in accurity realm. Different types of Authenti- Authentication provider that allows you to work with use Customize this table: Authentication Providers Name PCICustomProvider Trust Service Identity Asserter Default/Authenticator Default/Authenticator	An Authentication provider allows WebLog: Server to establish trust by valie providers in a security realm. Different types of Authentication provider and Authentication provider that allows you to work with users and groups from Customize this table: Authentication Providers Name C P CLOUSTORProvider Trust Service Identity Asserter D DefaultAuthenticator V DefaultAuthenticator	An Authentication provider allows Websigs Server to establish trust by validating a user, via providers in a security realth. Different types of Authentication providers are designed to aco Authentication provider that allows you to work with users and groups from previous releases Castomize this table: Authentication Providers New Description FCLUSTONProvider Authentication provider are functioned and the trust Service Identity Asserter Trust Service Identity Asserter WebLogic Authentity Control and the trust Service Identity Asserter DefaultAuthenticator WebLogic Authentity Control and the trust Service Identity Asserter	An Authentication provider allows WebLogic Server to establish trust by validating a user. You must have providers in a security realm. Offerent types of Authentication providers are designed to access afferer Authentication provider that allows you to work with users and groups from previous releases of WebLog. Customize this table: Authentication Providers Name Description P ClustomProvider Authentication provider for FI Trust Service Identity Asserter Trust Service Identity Asserter Default/uthenticator WebLogic Identity Asserter Default/uthenticator WebLogic Identity Asserter	An Authentication provider allows Webkingic Server to establish truit by validating a user. You must have one Authentication provider in a service information of the service informat	An Authentication provider allows Webkigg: Server to establish that by validating a user. You must have one Authentication provider in a security provider in a security main. Different that stores, such as IDAP servers or DB Authentication provider that allows you to work with users and groups from previous releases of WebLogic Server. Customize this table Authentication Providers Name Description Rame Description Rame Description Rame Description Rame Description Rame DefaultAuthenticatory WebLogic Authenticatory WebLogic Authenticatory WebLogic Authenticatory WebLogic Authenticatory WebLogic Authenticatory WebLogic Carter Karter Karter Karter Karter Karter Karter Karter Karter Karter Kart	An Authentication provider allows Webkingic Servers to establish trutt by validating a user. You must have one Authentication provider in a security realm, and you can provider that allows you to work with users and groups from previous releases of WebLogic Server. Customize this table Authentication Providers Name Description FC/CustomProvider FTust Service Identity Asserter Net DefinitionProvider FTust Service Identity Asserter Net FC/CustomProvider FTust Service Identity Asserter FTust Service Identity Asserter FC/CustomProvider FC/CustomP



	dministration Console 12c		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	٩	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security Realms >myrealm >Provid	iders > FC3CustomProvider > Providers	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	OK Cancel		
Domain Structure	Reorder Authentication Providers		
Dev 1201, domain Dev 1201, domain - Deployments - Services - Security Realms - Security Realms - Thereoperability - Diagnostics	You can reorder your Authentication Providers usin Select authenticator(s) in the list and use arrows to r Catalobe: CostanoProvider: DefaultAuthentication DefaultIdentityAsserter Select authentication DefaultIdentityAsserter	ng the list below. By reordering Authentication Provide move them up and down in the list.	ers, you can after the authentication sequence.
How do I			
Re-order Authentication providers Set the JAAS control flag	OK Cancel		
System Status			
Health of Running Servers			
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (3)			
WebLogic Server Version: 12.1.3.0.0			

9. Click on FCJCustomProvider.

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10. In Common tab change the control flag to "SUFFICIENT".

ORACLE WebLogic Server	Administration Console 12c		õ
Change Center	Home Log Out Preference	es 🖂 Record Help	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security R	ealms >myrealm >Providers >FCJCustomProvider >Providers >FCJCustomProvider	
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for FCJCustomPro	vider	
modify, add or delete items in this domain.	Configuration		
Domain Structure	Common Provider Specifi	c	
Dev 120 1_domain B -Environment	Save		
Deployments Services	This page allows you to defin	ne the general configuration of this provider.	
Security Realms 	縃 Name:	FCJCustomProvider	
B -Diagnostics	in the secret of	Authentication provider for FLEXCUBE users	
	🏀 Version:	FCUBS 12.1	
	🚝 Control Flag:	SUFFICIENT 💌	
How do I 🖂	Save		
No task help found.			
System Status	Ì		
Health of Running Servers			
Failed (0)			
Critical (0) Overloaded (0)			
Warning (0)			
OK (3)			
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Oracle is a registered trademark of Oracle Corporati		y be trademarks of their respective owners.	

- 11. In Provider Specific tab
 - a) Set JNDIName as Flexcube JNDI Name.
 - b) If external authentications are used in FCUBS then Fill the Ldap/MSAD related fields.



	dministration Console 12c		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security Realms >myrealm >Provider	s >FCJCustomProvider >Providers >FCJCustomProvider	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings for FCJCustomProvider Configuration		
Domain Structure	Common Provider Specific		
Dev1201_domain H: Environment Deployments H: Services Security Realms H: Interoperability	Save This page allows you to configure additional attributes to the second se	o for this security provider.	
B-Diagnostics	6 Authentication Type:	MSAD •	
	🚓 Ldap Domain Name:	OFSS.COM	
	Security Authentication Type:	simple 💌	
How do I	街 Ldap Server Ip And Port:	localhost389	
No task help found.	🗐 🏀 External Password Required		
System Status Health of Running Servers	🏀 Ldap Server Time Out Duration:	0	
Failed (0)	🗐 近 Msad Or Ldap Login Required		
Critical (0) Overloaded (0) Warning (0) OK (3)	الله المعالم ال Save	jdbc/fcjdevDS	
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al	ll rights reserved. n and/or its affiliates. Other names may be trademarks of their res		

12. For manually editing the config.xml go to the below path and open the config.xml file <ORACLE_HOME>\Middleware\user_projects\domains\base_domain\config\ The following codes need to be added at proper locations in the config.xml.

a) Search for < realm> tag and add the following code between <realm> and </ realm> tags. This should be the first child of the realm Node.

<sec:authentication-provider xmlns:n1="http://fcubs.ofss.com/security" xsi:type="n1:fcubs-user-authenticatorType">

- <sec:name>FCJCustomProvider</sec:name>
- <sec:control-flag>SUFFICIENT</sec:control-flag>
- <n1:msad-or-ldap-login-required>true</n1:msad-or-ldap-login-required>
- <n1:external-password-required>true</n1:external-password-required>
- <n1:authentication-type>MSAD</n1:authentication-type>

<n1:ldap-server-ip-and-port>LDAP://localhost:389</n1:ldap-server-ip-and-port><n1:ldap-ssl-enabled>true</n1:ldap-ssl-enabled>

<n1:security-authentication-type>simple</n1:security-authentication-type> <n1:ldap-domain-name>OFSS.COM</n1:ldap-domain-name>

<n1:Idap-server-time-out-duration>0</n1:Idap-server-time-out-duration></sec:authentication-provider>

b) Make sure tag values matches the value given during Property file creation.

1.2.2 Configuring libovd for single Entity

You need to configure the libovd details. Follow the steps given below:

- 1. Along with the Oracle FLEXCUBE UBS EAR file, the Installer creates 'FCJJPSProvider.jar' file inside the BPELbuild folder under SOURCE directory.
- 2. On the application server host, create a folder by name 'classes' at the location '<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x'.



- 3. Extract the file 'FCJJPSProvider.jar' and from the extracted content, copy the folder 'com' to: '<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x\classes'.
- 4. Navigate to the location

'<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x\classes\com\ofss\fcc\bpel\ cac'. Edit the properties file 'CISProperties.properties' and update 'JNDI.name' with the JNDI name same as Entity Name given in Multi Entity Names screen while creating property file 'fcubs.properties', e.g. 'jdbc/fcjdevDS'.

- Copy 'FCJJPSProvider.jar' to '<MIDDLEWARE_HOME>/user_projects/domains/<domain_name>/config/fmwconfig/ovd/plu gins/lib.Create the directory structure if it does not exists.



- 7. Search for param name="DataSource" in fcubs_adapter.xml and update its value with FCUBS Datasource name, e.g. updated parameter would look like <param_name="DataSource" value="jdbc/fcjdevDS"/>.
- 8. Set environment variables in the command prompt, e.g. for linux shell,

export ORACLE_HOME=/scratch/app/bpm12212(setting ORACLE_HOME) export WL_HOME=/scratch/app/bpm12212/wlserver(setting WL_HOME) export JAVA_HOME=/scratch/work_area/DBA/jdk1.8.0_144 (setting JAVA_HOME)

 Execute "libovdadapterconfig" script which is present in '<MIDDLEWARE_HOME>/oracle_common/bin' with below parameters. Provide the below arguments with values for admin server host name or ip ,admin server port ,weblogic user id, domain home and fcubs datasource.

./libovdadapterconfig.sh -adapterName fcubsadapter -adapterTemplate fcubs_adapter.xml -host <ADMIN_SERVER_HOST> -port <ADMIN_PORT> -userName <WEBLOGIC_USERID> -domainPath <DOMAIN_HOME> -dataStore DB -root ou=fcubs,dc=oracle,dc=com -contextName default dataSourceJNDIName <FCUBS_DATASOURCE_JNDI>

10. Once the above steps are completed, i.e. "Adapter created successfully: fcubsAdapter" message is displayed, restart the server.

1.2.3 Configuring libovd for MultiEntity

- 1. Continue step 1 to step5 from 1.2.2 section.
- 2. In the following steps replace the <EntityId> tag with the proper Entity name.
- Copy the fcubs_adapter_<EntityId>.xml to '<MIDDLEWARE_HOME>/oracle_common/modules/oracle.ovd/templates/





4. Search for <FCUBSDATASOURCE> in fcubs_adapter_< EntityId>.xml and update it with fcubs Datasource with the mapped Datasource for the entity in the property file.

Ex:<param name="DataSource" value="<FCUBSDATASOURCE>"/>

5. Search for UserldPattern Parameter and Update the value for OU to the entity name.

EX: <param name="UserIdPattern" value="cn=%USERID%,ou=< EntityId>,dc=oracle,dc=com"/>

6. Search for MultiEntityEnabled element and update the value to true.

EX: <param name="MultiEntityEnabled" value="true"/>

7. Search for EntityId element and update the value with the entity name which we have created.

EX:<param name="EntityId" value=" < EntityId >"/>

 Execute "libovdadapterconfig" script which is present in '<MIDDLEWARE_HOME>/oracle_common/bin' with below parameters. Update the admin server host name or ip ,admin server port ,weblogic user id, domain home ,root and fcubs datasource

libovdadapterconfig.sh -adapterName fcubsAdapter -adapterTemplate fcubs_adapter_< EntityId >.xml -host <ADMIN_SERVER_HOST> -port <ADMIN_PORT> -userName <WEBLOGIC_USERID> domainPath <DOMAIN_HOME> -dataStore DB -root ou=<EntityId>,dc=oracle,dc=com -contextName default -dataSourceJNDIName <FCUBSDATASOURCE name which we mapped in step4>

- 9. Repeat from step2 to step7 for each entity creation
- 10. Once the above steps are completed, restart the server.

Note:- for any misconfiguration in libovd

We can delete the existing fcubsAdapter and re run the ./libovdadapterconfig.sh

For deleting fcubsAdapter use the below command:

Log in to the WSLT console by running the WLST script.For example: MW_HOME/oracle_common/common/bin/wlst.sh (UNIX)MW_HOME\oracle_common\common\bin\wlst.cmd (Windows)

Connect to your Administration Server using the following syntax:

connect ('<WLS admin user name>','<WLS admin password>','t3://<admin server host>:<admin server port>')

For example:connect('weblogic','weblogic','t3://myserver:7001')

Delete the misconfigured adapter using the following syntax: deleteAdapter(adapterName='fcubsAdapter')



1.2.4 Configuring for Multiple Providers for Multiple Entities

- 1. Login to the Adminserver.
- 2. Click on security Realms.

Domain Structure	Helpful Tools	General Information				
soa domain	Configure applications	 Common Administration Task Descriptions 				
Domain Partitions	 Configure GridLink for RAC Data Source 	Read the documentation Ask a question on My Orade Support				
Environment	Configure a Dynamic Cluster					
Deployments Services	 Recent Task Status 					
Security Realms	 Set your console preferences 					
Interoperability Diagnostics	Orade Enterprise Manager					
-	- Domain Configurations					
	Domain	Resource Group Templates	Interoperability			
	• Domain	Resource Group Templates	WTC Servers Jolt Connection Pools			
How do I	Domain Partitions	Resource Groups				
	Domain Partitions	 Resource Groups 	Diagnostics			
 Search the configuration 	 Partition Work Managers 		Log Fles			
Use the Change Center		Deployed Resources	Diagnostic Modules			
 Record WLST Scripts 	Environment	Deployments	 Built-in Diagnostic Modules 			
 Change Console preferences 	Servers		Diagnostic Images			
 Manage Console extensions 	Clusters	Services	 Request Performance 			
Monitor servers	 Server Templates 	Messaging	Archives			
	 Migratable Targets 	 JMS Servers 	Context			
System Status	Coherence Clusters	 Store-and-Forward Agents 	SNMP			
Health of Running Servers	Machines	 JMS Modules 	Interceptors			
Failed (0)	Virtual Hosts	 Path Services 				
Critical (0)	Virtual Targets	 Bridges 	Charts and Graphs			
Overloaded (0)	Work Managers	Data Sources	 Monitoring Dashboard 			
Warning (0)	Concurrent Templates	 Persistent Stores 				
OK (3)	Resource Management	 XML Registries 				
	 Startup And Shutdown Classes 	XML Entity Caches				
		 Foreign JNDI Providers 				
	Application's Security Settings	Work Contexts				
	Security Realms	• jCOM				
	-	Mail Sessions				
		• FileT3				
		• JTA				
		OSGi Frameworks				

3. Click on myrealms.

<u> </u>			
	dministration Console 12c		Ç
Change Center	🛍 Home Log Out Preferences 🔛 Record Help	Q	Welcome, weblogic Connected to: soa_doma
View changes and restarts	Home >Summary of Servers >Summary of Security Realms	s >myrealm >Providers >FCUBS >Summary of Security Re	ealms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Summary of Security Realms		
Domain Structure		ut only one can be set as the default security realm, w	and security providersthat are used to protect WebLogic resources. You can have multiple hich is reserved for domain administrative purposes.
soa_domain B-Domain Partitions B-Environment i-Deployments B-Services		it has been configured in this WebLogic Server domain.	. Click the name of the realm to explore and configure that realm.
Security Realms Theroperability	Realms (Filtered - More Columns Exist)		
Diagnostics	New Delete		Showing 1 to 1 of 1 Previous Next
	🔲 Name 🗞	Default Realm	
	myrealm	true	
	New Delete		Showing 1 to 1 of 1 Previous Next
How do I			
Configure new security realms			
Enable automatic realm restart			
Delete security realms			
Change the default security realm			
System Status			
Health of Running Servers			
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)			
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4. Click on Providers.

hange Center	Home Log C	Out Preferences 🔤	Record Help		Q			Welcome, weblogic Connected to: soa_do		
iew changes and restarts	Home >Summar	Home >Summary of Security Realms >myrealm >Providers >PCUBS >Summary of Security Realms >myrealm								
onfiguration editing is enabled. Future	Settings for m	Settings for myrealm								
hanges will automatically be activated as you odify, add or delete items in this domain.	Configuration Users and Groups Roles and			Policies Credential Mappings Providers Migration						
omain Structure	General R	BMS Security Store	User Lockout	Performance		Pro	oviders- Tab			
a_domain Domain Pattons I=swiroment Deployments Security Realms -Security Realms -Interoperability Diagnostics	Note: If you	to configure the gener are implementing securit valable and the securit	urity using JACC	(Java Authorizat	on Contract			115), you must use the DD Only security model. Other WebLogic Server models are abled.		
	Name:			myrealm				The name of this security realm. More Info		
	🕂 Security I	lodel Default:		DD Only				Specifies the default security model for Web applications or E3Bs that are secured by this security realm. You can override this default during deployment. More Info		
tow do I • Configure new security realms • Enable automatic realm restart	<table-cell> 🛃 Combi</table-cell>	ned Role Mapping E	nabled					Determines how the role mappings in the Enterprise Application, Web application, and EE containers interact. This setting is valid only for Web applications and EEBs that use the Advanced security model and that initialize roles from deployment descriptors. More Info		
Manage security for Web applications and EJBs Set the default security model	🗐 👘 Use An	thorization Provid	ers to Protect	JMX Access				Configures the WebLogic Server MBean servers to use the security realm's Authorization providers to determine whether a JMX client has permission to access an MBean attribute or invoke an MBean operation. More Info		
Delegate MBean authorization to the realm wstem Status	Automati	ally Restart After I	Von-Dynamic (Thanges				Specifies whether the Realm will be auto-restarted if non-dynamic changes are made to the realm or providers within the realm. More Info		
lealth of Running Servers	Retire Timeo	ut:		60				Specifies the retire timeout for a realm that is restarted. The old realm will be shutdown after the specified timeout period has elapsed. More Info		
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (3)	- V Advance	1						anucom and as specific anout period has supple, fore into		

5. Click on New

Change Center	🏠 Home Log Out Preferences 🔤 Record Help	Q We	Icome, weblogic Connected to: soa_doma						
View changes and restarts	Home >myrealm >Providers >FCUBS >Summary of Security Realms >myrealm	>Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Pro	widers						
Configuration editing is enabled. Future	Settings for myrealm								
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Users and Groups Roles and Policies Credential Mag	pings Providers Migration							
Domain Structure	Authentication Password Validation Authorization Adjudication	Role Mapping Auditing Credential Mapping Certification Path							
sea_domain © Domain Partitions © Environment I Deployments © Services © Services © Interoperability © Degnostics	An Authentication provider allows WebLogic Server to establish trust by validating a user. You must have one Authentication provider in a security realm, and you can configure multiple Authentication providers in a security realm. Different types of Authentication providers are designed to access different data stores, such as IDAP servers or DBMS.								
	New Delete Reorder	Description	Showing 1 to 4 of 4 Previous Next Version						
	FCUBS	Authentication provider for FLEXCUBE users	FCUBS 12.2						
How do I 🗉	Trust Service Identity Asserter	Trust Service Identity Assertion Provider	1.0						
Configure Authentication and Identity	DefaultAuthenticator	WebLogic Authentication Provider	1.0						
Assertion providers Configure the Password Validation provider	DefaultIdentityAsserter	WebLogic Identity Assertion provider	1.0						
Configure the Password validation provider Manage security providers	New Delete Reorder		Showing 1 to 4 of 4 Previous Next						
Set the JAAS control flag									
Re-order Authentication providers									
System Status									
Health of Running Servers									
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)									



6. Enter the Name with proper Entity Name(entity name we mapped in property file) and select the type as FCUBSUserAuthenticator

	Administration Console	12c		
Change Center	Home Log Out	Preferences 🛃 Record Help	Q	Welcome, weblogic Connected to: soa_dor
View changes and restarts	Home >FCUBS >Sur	mary of Security Realms >myrealm >Summary of Secu	unity Realms >myrealm >Summary of Security Re	alms >myrealm >Providers >ENTITYID > Providers
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Auth	entication Provider		
Domain Structure	Create a new Ar	thentication Provider		
soa_domain		rties will be used to identify your new Authentication	on Provider.	
E-Services Security Realms	The name of the au	hentication provider.		
Enteroperability Diagnostics	* Name:	ENTITYID		
How do I 🛛	Type: OK Cancel	FCUBSUserAuthenticator	×	
Manage security providers				
Configure Authentication and Identity Assertion providers				
System Status	1			
Health of Running Servers				
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)				
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates.		names may be trademarks of their respective owners.		

7. Click on Reorder. Bring the Authenticatiorprovider to the first in the order and click ok.

	dministration Console 12c
Change Center	😰 Home Log Out Preferences 🔤 Record Help
View changes and restarts	Home >FCUBS >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Reorder Authentication Providers OK Cancel
Domain Structure	Reorder Authentication Providers
soa_domain ⊕ Tourain Partbors ⊕ Environment ⊢ ⊃eplyments ⊕ Services ⊢ Security Realms ⊕ Tinteroperability ⊕ Tinteroperability ⊕ Diagnostics	You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter the authentication sequence. Select authentication Providers Authentication Providers Walabelt Interview Interview
How do L • Re-order Authentication providers • Set the JAAS control flag	OK. Cencel
System Status E Health of Running Servers Critical (0) Overloaded (0) Warning (0) OK (3)	
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. <i>I</i> Oracle is a registered trademark of Oracle Corporatio	Al rights reserved. on and/or its affiliates. Other names may be trademarks of their respective owners.



8. Click the Provider that we have created.

Change Center	🔒 Home Log O	🟦 Home Log Out Preferences 🔤 Record Help								Connected to: soa_dom
View changes and restarts	Home >myrealm	Home >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID >Providers								
Configuration editing is enabled. Future	Settings for myrealm									
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration	Users and Groups	Roles and Policies	Credential Mappin	gs Provider	s Migrati	on			
Domain Structure	Authenticatio	n Password Valida	tion Authorization	n Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path		
ea_domain © Domain Partitons © Environment Togetoyments © Services Security Realms © Thereopreability © Diagnostics		ecurity realm. Differentis table						provider in a security r s LDAP servers or DBM	s.	re multiple Authentication
	🔲 Name			C	escription					Version
		ENTITYID				Authentication provider for FLEXCUBE users				
How do I 🗉	FCUBS	FCUBS				ovider for F	LEXCUBE users	1	CUBS 12.2	
Configure Authentication and Identity	Trust Ser	vice Identity Asserte	r	т	rust Service Ide	ntity Assert	ion Provider		1.0	
Assertion providers	🔲 DefaultA	uthenticator		W	/ebLogic Auther	tication Pro	vider		1.0	
Configure the Password Validation provider	DefaultId	entityAsserter		W	/ebLogic Identit	Assertion	provider		1.0	
Manage security providers Set the JAAS control flag Re-order Authentication providers	New Del	Reorder							Showing :	L to 5 of 5 Previous Next
System Status 🖂	i									
Health of Running Servers										
Failed (0) Critical (0) Overloaded (0)										

9. In common tab select the control flag as SUFFICENT from the list and click on save.

-									
ORACLE' WebLogic Server Ad	Iministration Console 12c								
Change Center	Home Log Out Preferences Record Help Welcome, weblogic Connected to: soa_d								
View changes and restarts	Home >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID >Providers >ENTITYID								
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for ENTITYID								
modify, add or delete items in this domain.	Configuration								
Domain Structure	Common Provider Specific								
soa_domain Domain Partitions	Save								
Environment Deployments	This page allows you to define the	ne general configuration of this provider.							
Services Security Realms	避 Name:	ENITTYID							
⊕-Interoperability ⊕-Diagnostics	Description:	Authentication provider for FLEXCUBE users							
	🥂 Version:	FCUBS 12.2							
	👸 Control Flag:	SUFFICIENT							
How do I	Save								
No task help found.									
System Status									
Health of Running Servers									
Failed (0)									
Critical (0) Overloaded (0)									
Warning (0)									
OK (3)									
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10. Select the provider specific tab .

	dministration Console 12c		Ģ
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: soa_doma
View changes and restarts	Home >Summary of Security Realms >myrealm >Summar	ry of Security Realms >myrealm >Providers >ENTITYID >	Providers >ENTITYID >Providers >ENTITYID
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings for ENTITYID Configuration		
Domain Structure	Common Provider Specific		
soa_domain ∯∵Domain Partitions ∯∵Environment	Save		
Deployments	This page allows you to configure additional attribute	s for this security provider.	
-Services -Security Realms -Interoperability	🎉 Ldap Server Ip And Port:	localhost389	
B-Diagnostics	武] JNDIName:	jdbc/fcjdevDS	
	🗐 🐴 External Password Required		
	🕂 Ldap Server Time Out Duration:	0	
How do I No task help found.	🔲 🕼 Multi Entity Enabled		
System Status	Security Authentication Type:	simple -	
Health of Running Servers	🎼 Entity Id:	ENT1	
Failed (0) Critical (0) Overloaded (0)	👸 Ldap Domain Name:	OFSS.COM	
Warning (0) OK (3)	🔲 街 Ldap SSLEnabled		
	🔲 👍 Msad Or Ldap Login Required		
	Authentication Type:	MSAD 💌	
	Save		
WebLogic Server Version: 12.2.1.0.0			
Copyright (c) 1996,2015, Oracle and/or its affiliates. A	الا rights reserved. n and/or its affiliates. Other names may be trademarks of their re	spective owners.	

11. Change the JNDI name to the Datasource JNDI name which have mapped to the entity in the property file level and check the multi entity enabled checkbox.

lange Center	🔒 Home Log Out Preferences 🔤 Record Help	Q.	Welcome, weblogic Connected to: soa_do
ew changes and restarts	Home >Summary of Security Realms >myrealm >Summ	ary of Security Realms >myrealm >Providers >ENTITYID >Providers	>ENTITYID >Providers >ENTITYID
onfguration editing is enabled. Future	Settings for ENTITYID		
anges wil automatically be activated as you odfy, add or delete items in this domain.	Configuration		
main Structure	Conmon Provider Specific		
_domain Domain Partitions	Save		
Environment Deployments	This page allows you to configure additional attribut	es for this security provider.	
-Services -Security Realms	년 Ldap Server Ip And Port:	localhost 389	
Interoperability Diagnostics	ر المعالقة (JNDIName:	jdbc/fcjdevDS	
	External Password Required		
	d Ldap Server Time Out Duration:	0	
w do L. E	😨 🚓 Multi Entity Enabled		
No task help found.			
stem Status E	Security Authentication Type:	simple 💌	
alth of Running Servers	👍 Entity Id:	ENT1	
Faled (0) Critical (0) Overloaded (0)	🛃 Ldap Domain Name:	OFSS.COM	
Warning (0) OK (3)	🗐 🛃 Ldap SSLEnabled		
	📗 👘 Msad Or Ldap Login Required		
	Authentication Type:	MSAD •	
	Save		
ebLogic Server Version: 12.2.1.0.0			



12. Enter the EntityId with the Entity name which we created in the property file level and click on save

ORACLE WebLogic Server Adr	ministration Console 12c		Ç					
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: soa_don					
View changes and restarts	Home >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID >Providers >ENTITYID							
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings for ENTITYID Configuration							
Domain Structure	Common Provider Specific							
sea_domain Denvironment Deployments Deployments Deployments Deployments	Save This page allows you to configure additional attributes for this se Clap Server Ip And Port:	curity provider.						
Interoperability								
Diagnostics	n JNDIName:	jdbc/fcjdevDS						
	External Password Required							
	6 Ldap Server Time Out Duration:	0						
How do I	🕑 🚜 Multi Entity Enabled							
No task help found.	Security Authentication Type:	simple 💌						
System Status 😑	🚰 Entity Id:							
Health of Running Servers	u	ENT1						
Faled (0) Critical (0) Overloaded (0)	👩 Ldap Domain Name:	OFSS.COM						
Warning (0) OK (3)	🔄 街 Ldap SSLEnabled							
	🗐 🟀 Msad Or Ldap Login Required							
	Authentication Type:	MSAD 💌						
	Save							
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- 13. Create the new datasource for each entity with the JNDI name which we mapped in the property file.
- 14. Restart the Admin server
- 15. Continue the step1 to step15 for each provider creation in multientity scenario.



1.2.5 Configuring DBAdapter

In order to configure DBAdapter, follow the steps given below.

1. Log in to 'Weblogic Console' and click 'Deployment' under 'Domain Structure'.

Change Center	6	Home	Log Out Preferences 🔤 Record Help			v	/elcome, weblogic Conne	cted to: Dev1201_dom			
View changes and restarts		Home >Summary of Deployments									
Configuration editing is enabled. Future	Su	Summary of Deployments									
hanges will automatically be activated as you nodify, add or delete items in this domain.	Control Monitoring										
omain Structure er / 201_doman D Environment D epolorments D services S-services S-intropenability D Dagnostics		(redeploy To install				nstalled application	ns and modules can be starte	d, stopped, updated			
		Install	Update Delete Start > Stop >	1			Showing 1 to 4	of 47 Previous Next			
		🗐 Na	me 🗞	State	Health	Туре	Targets	Deployment Order			
		🖿 👼	AqAdapter	Active	🖋 ок	Resource Adapter	soa_server1	324			
ow do I 🖂			Tab2bui	Active	🖋 ок	Enterprise	soa_server1	313			
Install an enterprise application Configure an enterprise application		• •	Ta BamComposer	New		Enterprise	bam server1	500			
Update (redeploy) an enterprise application Start and stop a deployed enterprise application			Ta Bam CQService	New		Enterprise	bam_server1	300			
Monitor the modules of an enterprise application				New		Enterprise	bam_server1	400			
Deploy EJB modules Install a Web application				Active	🖋 ок	Enterprise	soa_server1	385			
/stem Status			coherence-transaction-rar	Active	🖋 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100			
ealth of Running Servers			CoherenceAdapter	Installed		Resource Adapter		331			
Failed (0) Critical (0)		E 0	DbAdapter	Active	🖋 ок	Resource Adapter	soa_server1	322			
Overloaded (0) Warning (0)		•		Active	🛩 ок	Enterprise Application	soa_server1	314			
OK (2)		E	DMS Application (12.1.3.0.0)	Active	🛩 ок	Web Application	AdminServer, bam_server1, soa_server1	5			
		E		Active	🖋 ок	Enterprise Application	AdminServer	400			
		m m	FCUBSApp (12.1.0.0)	Prepared	10	Enterprise	soa_server1	500			

2. In the Deployments table, select 'DbAdapter'. You will be navigated to 'Settings for DbAdapter'.

	dministration Console	12c							Ŏ	
Change Center	🔒 Home Log Out P	references 🔤 Record Help			Q				Welcome, weblogic Connected to: Dev1201_domain	
View changes and restarts	Home >Summary of E	Home >Summary of Deployments >DbAdapter								
Configuration editing is enabled. Future	Settings for DbAdapter									
changes will automatically be activated as you modify, add or delete items in this domain.	Overview Deployr	ent Plan Configuration	Security	Targets	Control	Testing	Monitoring	Notes		
Domain Structure	General Propertie	s Outbound Connection	n Pools	Admin Object	s Work	load Ins	trumentation			
Dev120domain (#) Environment Deployments (#) Services (#) Services (#) Interoperability (#) Degnostics	by connection facto Pool group. Click the		s are listed to configu	by their JNDI	names. Ex	kpand a gr	oup to obtain	configura	entries in the table represent Outbound Connection Pool groups, Groups are listed for information for a Connection Pool instance within an Outbound Connection applayed in the table below.	
	Groups and	Instances 🗠						Connect	ion Factory Interface	
	⊞ javax.reso	urce.cci.ConnectionFactory						javax.res	ource.cci.ConnectionFactory	
	New Delete								Showing 1 to 1 of 1 Previous Next	
How do L										
Configure outbound connection pool properties										
System Status										
Health of Running Servers										
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)										
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- 3. Click 'Configuration' tab and select 'Outbound Connection Pools' under it.
- 4. Under 'Groups and Instances', click and expand 'javax.resource.cci.ConnectionFactory'.
- 5. Click 'New' and select 'javax.resource.cci.ConnectionFactory' in Outbound Connection Group.
- 6. Define 'JNDI Name' as 'eis/DB/FCCDEV' and click on 'Finish'.

The 'jndi name' should be the same as the one in 'Dbutility sub-process'.

- 7. Click 'DbAdapter' again. Click 'Configuration' tab and select 'Outbound Connection Pools'
- 8. Under 'Groups and Instances', click and expand 'javax.resource.cci.ConnectionFactory'.
- 9. The new JNDI name is listed.
- 10. Click on the hyperlink 'eis/DB/FCCDEV'.

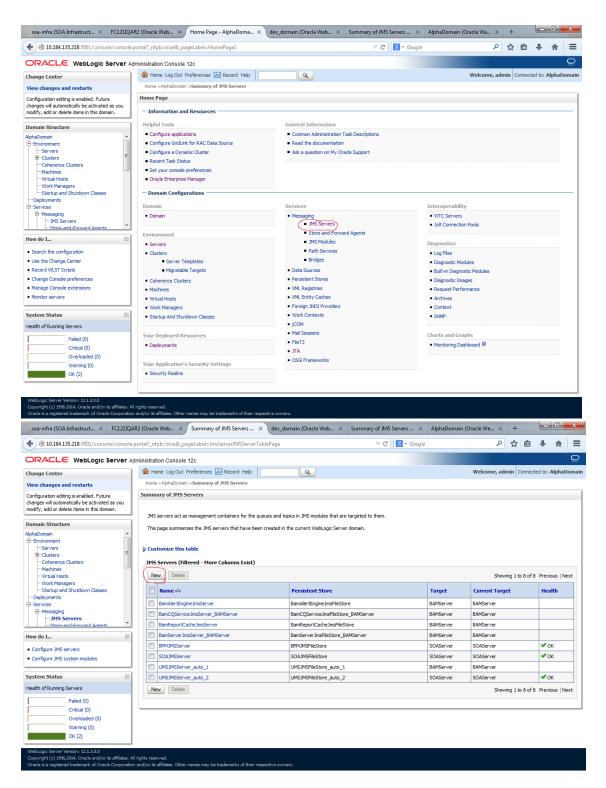
	dministration Console 12c							Q
Change Center	🙆 Home Log Out Prefer	ences 🔤 Record	l Help	Q			Welcome, we	blogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Deplo	yments >DbAdapte	er		_			
Configuration editing is enabled. Future	Settings for javax.reso	urce.cci.Connect	ionFactory					
changes will automatically be activated as you modify, add or delete items in this domain.	General Properties	Transaction A	uthentication	Connection Pool	Logging			
Domain Structure	This page allows you to	view and modify th	e configuration p	roperties of this (utbound connection pool.	Properties you modify here are saved	to a deployment pla	in.
Dev1201_domain	Outbound Connection	Properties						
El-Services	Save							Showing 1 to 8 of 8 Previous Next
Interoperability Diagnostics	Property Name 🗠	Pro	operty Type	Propert	/ Value		Suppo	orts Dynamic Updates
	DataSourceName	javi	a.lang.String	jdbc/fcjde	vDS		false	
	DefaultNChar	javi	a.lang.Boolean	false			false	
	PlatformClassName		java.lang.String		rg.eclipse.persistence.platform.database.Oracle10Platform			
	SequencePreallocationSi	ze javi	a.lang.Integer	50			false	
	UsesBatchWriting	javi	a.lang.Boolean	true			false	
How do L	UsesNativeSequencing	javi	a.lang.Boolean	true			false	
Configure outbound connection pool	UsesSkipLocking	jav	a.lang.Boolean	true			false	
properties	XADataSourceName	jav	a.lang.String				false	
System Status	Save							Showing 1 to 8 of 8 Previous Next
Health of Running Servers								
Faied (0) Critical (0) Overloaded (0) Warning (0) OK (2)								
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. A Oracle is a registered trademark of Oracle Corporatio		: may be trademarks	s of their respective	e owners.				

- 11. Click the 'Property Value' field for the 'DataSourceName' and update the application JNDI reference (given in 'fcubs.properties' file) and then press 'Enter' key.
- 12. Save and restart the Admin server.



1.2.6 Configuring JMS Adapter

Login in to console \rightarrow Click on JMS Servers \rightarrow New



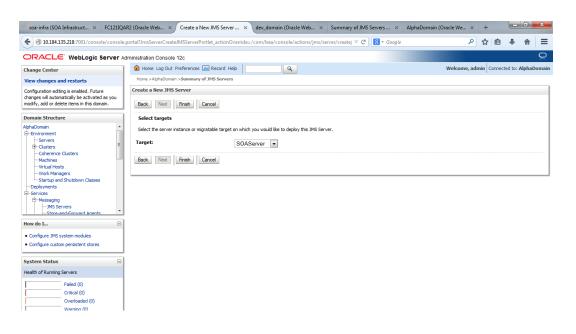


 Please provide the below Name for JMS Server and select the file persistent store as below→Next

soa-infra (SOA Infrastruct × FC1211QA	R2 (Oracle Web × Create a New JMS Server × dev_domain (Oracle Web × Summary of JMS Server	s × AlphaDomain (Oracle We × +
♦ @ 10.184.135.218:7001/console/console	oortal?_nfpb=true&_pageLabel=JmsServerCreateJMSServer&JmsServerCreateJMSServerPortlet_action0 🤍 🗷 🛛	Google
	ministration Console 12c	Q
Change Center	😰 Home Log Out Preferences 🖾 Record Help	Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >AlphaDomain >Summary of JMS Servers	
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New JMS Server	
changes will automatically be activated as you modify, add or delete items in this domain.	Back Next Finish Cancel	
Domain Structure	JMS Server Properties	
AlphaDomain	The following properties will be used to identify your new JMS Server. * Indicates required fields	
Coherence Clusters Machines	What would you like to name your new JMS Server?	
Virtual Hosts Work Managers Startup and Shutdown Classes	dg *Name: FCUBSJMSServer	
DeploymentsServices	Specify persistent store for the new JMS Server.	
-MessagingJMS Servers	Persistent Store: SOAJMSFileStore Create a New Store	
How do I	Back Next Finish Cancel	
Configure JMS system modules		
Configure custom persistent stores		
System Status		
Health of Running Servers		

2. Select the target as SOA Server \rightarrow Finish

Failed (0) Critical (0) Overloaded (0) Warning (0)





I0.184.135.218:7001/console/console	e.portal?_nfpb=true&_j	pageLabel=JmsServerJMSServerTa	ablePage	⊽ C 😫 ▼ Google		م	☆自	+	♠
	Administration Consol	e 12c							(
hange Center /iew changes and restarts		Preferences Record Help	Q			Welcome, adn	nin Connec	ted to: A	lphaDoi
onfiguration editing is enabled. Future hanges will automatically be activated as you odify, add or delete items in this domain.		we been activated. No restarts are r eated successfully	necessary.						
omain Structure	Summary of JMS	Servers							
phaDomain Servers Coherence Clusters Machines			ueues and topics in JMS modules that are ta in created in the current WebLogic Server di	-					
Virtual Hosts Work Managers Startup and Shutdown Classes	Customize this	s table							
Deployments	JMS Servers (F	iltered - More Columns Exist)							
Deployments 3-Services	JMS Servers (F					Showin	ng 1 to 9 of	9 Previo	us Nex
Deployments			Persistent Store		Target	Showin	-	9 Previor	
DeploymentsServicesMessagingJMS Servers	New Delete	e	Persistent Store BanAlertEngineJmsFileStore		Target BAMServer		-		
-Deployments -Services -Messaging	New Delete Name 🌣	8		3AMServer	-	Current Targe	-		
-Deployments -Services -MessagingJHS ServersStore-and-Forward Agents *	New Delete Name 🌣 BamAlertEn BamCQServ	e gneJmsSer\ Sort table by Name	BamAlertEngineJmsFileStore		BAMServer	Current Targe BAMServer	-		
Deployments Services Pressaging Pressaging PolS Servers MS Servers wdo L Configure JMS servers	New Delete Name 🗞 BamAlertEn BamCQServ BamReport	gineJmsServ Sort table by Name JiceJmsServer_BAMServer	BamAlertEngineJmsFileStore_B BamCQServiceJmsFileStore_E	e	BAMServer BAMServer	BAMServer BAMServer	-		
Deployments Services Services Services Streated Forward Assente W do L.	New Delete Name & BamAlertEn BamCQServ BamReport BamServer	e gine.hmsServ{ Sort table by Name} kce.hmsServer_BAMServer Cache.hmsServer BAMServer	BamAlertEngineJmsFileStore BamCQServiceJmsFileStore_E BamReportCacheJmsFileStore	e	BAMServer BAMServer BAMServer	Current Target BAMServer BAMServer BAMServer	-		th
Deployments Services Messaging Diff.Services wido L. Configure 3MS services Configure 3MS services stem status	New Delete Name & BamAlertEn BamCQServ BamReportt BamServer2	e gine Innsfer (Sont table by Name) Kre Innsferver JAMServer Cache Innsferver Innsferver JAMServer ver	BamAlertEngineJmsFileStore BamCQServiceJmsFileStore_f BamReportCacheJmsFileStor BamServerJmsFileStore_BAM	e	BAMServer BAMServer BAMServer BAMServer	Current Targe BAMServer BAMServer BAMServer BAMServer BAMServer	-	Healt	th
Deployments Services Messaging Messaging Messaging Configure 3MS servers Configure 3M	New Delete Name & BamAlertEn BamCQServ BamReportt BamServer BPMJMSSer	e grieJmsSer (<u>Sort table by Name</u> kceJmsServer JAMServer CohdemsServer JimsServer JAMServer ver jerver	BamAlertEngineJmsFileStore BamCQServiceJmsFileStore_f BamReportCache ImsFileStor BamServerJmsFileStore_BAM BPMJMSFileStore	e	BAMServer BAMServer BAMServer BAMServer SOAServer	Current Targe BAMServer BAMServer BAMServer BAMServer SOAServer	-	Healt	th
Deployments Services Services Messandifforward anoets w do L. Configure 3MS serviers Configure 3MS serviers stem Status status status	New Delete Name & BamAlertEn BamCQServ BamReportt BamServer BPMJMSSer FCUBSJMSS	e greinsServ KechnsServer JANServer CachehmsServer ImsServer_JANServer ver Ierver ver	BamAlertEngine.hmFileStore BamCQService.hmFileStore_J BamReportCache.hmFileStore_BAM BamServer3mFileStore_BAM SPMJMSFileStore SOAJMSFileStore	e	BAMServer BAMServer BAMServer BAMServer SOAServer SOAServer	Current Targe BAMServer BAMServer BAMServer BAMServer SOAServer SOAServer	-	Healt	th
Deployments Services Services Services Services Services Services Services Configure JMS servers Configure JMS servers Setem Status Setem Status Fated (0)	New Deletri Name & BamAler En BamCeport BamReport BamServer PCuBSIMSS SOAJMSSer	e gine.hmsSer/ Sont table by Name ide.hmsServer BAMServer Cache.hmsServer mmsServer_BAMServer ver ierver ver ver ver_ ver_ ver_ ver_ ver_ v	BanvlertEngine.http://estore Ban/CQService.http://estore BanReportCadte.http://estore_BAM BanBerver.http://estore_BAM BPMJMSFieStore SOAJMSFieStore SOAJMSFieStore	e	BAMServer BAMServer BAMServer BAMServer SOAServer SOAServer SOAServer	Current Target BAMServer BAMServer BAMServer BAMServer SOAServer SOAServer SOAServer	-	Healt	th

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Critical (0)

Overloaded (0)

Warning (0) OK (2)

ic Server Version: 12.1.3.0.0 ht (c) 1996,2014, Oracle and/or its affiliates. All rights reserved. a renistered trademark of Oracle Corporation and/or its affiliates. Other na

Your Application's Security Settings

Security Realms

3. Go back to Console →JMS Modules→New soa-infra (SOA Infrastruct... × FC1211QAR2 (Oracle Web... × Home Page - AlphaDoma... × dev_domain (Oracle Web... × Summary of JMS Servers × AlphaDomain (Oracle We... × + (⇐) ➡ @ 10.184.135.218:7001/console/console.portal?_nfpb=true&_pageLabel=HomePage1 V C 🛛 V Google ORACLE WebLogic Server Administration Console 12c Welcome, admin Connected to: AlphaDomain 🔒 Home Log Out Preferences 🔤 Record Help Q Change Center Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modul View changes and restarts Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Home Page - Information and Resources Helpful Tools General Information Domain Structure Domain Structure AphaDomain → Envrorment → Gervers → Coherence Clusters → Machines → Work Managers → Work Managers → Services → Services → Services → Services → Servers → Se Configure applications Common Administration Task Descriptions Configure GridLink for RAC Data Source Read the documentation Configure a Dynamic Cluster Ask a question on My Oracle Support Recent Task Status Set your console preferences Orade Enterprise Manager — Domain Configurations Domain Services Interoperability Messaging Domain WTC Servers JMS Servers Jolt Connection Pools Store-and-Forward Agents Environment How do I... - IMS Modules Path Services Diagnostics Servers Ousters Server Templates Migratable Targets Search the configuration Log Files Bridges Use the Change Center Diagnostic Modules Record WLST Scripts Data Sources Built-in Diagnostic Modules Change Console preferences Persistent Stores Coherence Clusters Diagnostic Images Manage Console extensions Machines XML Registries Request Performance Monitor servers XML Entity Caches Virtual Hosts Archives Foreign JNDI Providers • Context Work Managers System Status Work Contexts Startup And Shutdown Classes SNMP iCOM Health of Running Servers Mail Sessions Your Deployed Resources Charts and Graphs Failed (0) • FileT3 • Monitoring Dashboard Deployments



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• JTA

OSGi Frameworks

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ange Center	🔒 Home Log Out Preferences 🔤 Record Help	dmin Co	onnected (o: AlphaC	Dom
w changes and restarts	Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modules				
nfiguration editing is enabled. Future inges will automatically be activated as you dify, add or delete items in this domain.	Summary of JHS Hodules JMS system resources are configured and stored as modules similar to standard JZEE modules. Such resources include queues, topics, connection factories, templates, distributed queues, distributed topics, foreign servers, and JMS store- and-forward (SAF) parameters. You can administratively configure and manage JMS system moc				5.
Environment	This page summarizes the JMS system modules that have been created for this domain. Customize this table JMS Modules				
Work Managers Startup and Shutdown Classes	New Delete Sh	wing 1 to (8 of 8 Pr	evious N	lext
Deployments Services	🗌 Name 🔅	Туре	•		
-MessagingJMS Servers	BamAlertEngineJmsSystemModule	Syster	m		
Store-and-Forward Agents	BamCQServiceJmsSystemResource_BAMServer	Syster	m		
w do I	BamReportCacheJmsSystemModule	Syster	m		
	BamServerJmsSystemResource	Syster	m		
Configure JMS system modules Configure resources for JMS system modules	BPM3MSModule	Syster	m		
compute resources for JMS system modules	SOAJMSModule	Syste	m		
stem Status 🖂	UMSAQJMSSystemResource	Syste	m		
alth of Running Servers	UMSJMSSystemResource	Syster	m		
Failed (0) Critical (0) Overloaded (0)	New Delete She	wing 1 to 8	8 of 8 Pr	evious Ne	lex

4. Create a JMS Module with the Name, FCUBSJMSModule. Click on Next→Select the target as SOA Server→Finish

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Change Center	🚹 Home Log Out Preferences 🔤 Record Help			Welcome, ad	min Connec	ted to: Alph	aDomain
View changes and restarts	Home >AlphaDomain >Summary of JMS Servers >Su	ammary of JMS Modules					
Configuration editing is enabled. Future changes will automatically be activated as you	Create JMS System Module						
modify, add or delete items in this domain.	Back Next Finish Cancel						
Domain Structure	The following properties will be used to ide	entify your new module.					
AlphaDomain ▲ D=Environment ■ D=Environment ■ D=Custers ■ H=Colusters ■ H=Colusters ■ H=Columents = H=Columents = H=C	3MS system resources are configured and stored distributed queues, distributed topics, foreign ser * Indicates required fields						ies.
Work Managers	What would you like to name your System Module?	?					
	* Name: FCI	UBSJMSModule					
	What would you like to name the descriptor file name	me? If you do not provide a name, a def	ault will be assigned.				
How do I	Descriptor File Name:						
Configure JMS system modules	Where would like to place the descriptor for this Sy	ystem Module, relative to the jms configu	ration sub-directory of your domain?				
Configure JMS servers	Location In Domain:						
System Status	Back Next Finish Cancel						
Health of Running Servers							
Failed (0) Critical (0) Overloaded (0) Warning (0) Oir (2)							
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. All i Oracle is a registered trademark of Oracle Corporation :	rights reserved. and/or its affiliates. Other names may be trademarks of the	eir respective owners.					



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View changes and restarts	Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Hodules
Configuration editing is enabled. Future	Create JHS System Module
changes will automatically be activated as you modify, add or delete items in this domain.	Back Neat Finish Cancel
Domain Structure	The following properties will be used to target your new JMS system module.
AlphaDomain	Use this page to select the server or cluster on which you would like to deploy this JMS system module. You can reconfigure targets later if you wish. Targets :
Virtual Hosts Work Managers	
Startup and Shutdown Classes	Servers
DeploymentsServices	AdminServer
-Messaging -JMS Servers -Store-and-Forward Agents -	BAHServer
How do I	SoAServer
Configure JMS system modules Configure JMS servers	Book Ned Printh Cancel
System Status	
Health of Running Servers	
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)	
WebLogic Server Version: 12.1.3.0.0	
	(Uracle web., X) Settings for FCUb3MMM., X dev_domain (Uracle web., X summary or Ms servers X Alphauomain (Uracle we., X T
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Change Center	🔒 Home Log Out Preferences 🔺	Record Help		Q		Welcome, admin Connected to: AlphaDomain					
View changes and restarts	Home > AlphaDomain > Summary of J Messages	MS Servers >Summ	nary of JMS Modu	es >FCUBSJMSModule							
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	 All changes have been activate 	- mages have been activated. No restarts are necessary. JMS module was created successfully.									
Domain Structure	Settings for FCUBSJMSModule										
AlphaDomain	Configuration Subdeployments	Targets Sec	curity Notes								
	This page displays general informa	tion about a JMS s	system module ar	nd its resources. It also allows you to	configure new resources and acces	s existing resources.					
Virtual Hosts Work Managers	Name:		FCUBSJMSModule			S system module. More Info					
Startup and Shutdown ClassesDeploymentsServices	Descriptor File Name:		jms/fcubsjms	module-jms. xml	The name of the JM:	S module descriptor file. More Info					
Hessaging	This page summarizes the JMS res destination quota, distributed des				ueue and topic destinations, connect	ion factories, JMS templates, destination sort keys,					
How do I 🗉	Customize this table										
No task help found.	Summary of Resources										
System Status	New Delete					Showing 0 to 0 of 0 Previous Next					
Health of Running Servers	🔲 Name 🖘	Туре	JND	I Name	Subdeployment	Targets					
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Warning (0) OK (2)											



5. Go back to JMS Modules→FCUBSJMSModule→New

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View changes and restarts	Home > AlphaDomain > Summary of JMS Modules > FCUBSJMSModule	Servers >Summary of I	MS Modules > FCUBSJMSModule > Summary of JP	IS Modules > FCUBSJMSModule > Summary of JMS Modules > F	CUBSJMSModule >Summary of JMS
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for FCUBSJMSModule				
modify, add or delete items in this domain.	Configuration Subdeployments	Targets Security	Notes		
Domain Structure					
AlphaDomain	This page displays general information	n about a JMS system	nodule and its resources. It also allows you to	configure new resources and access existing resources.	
B-Clusters	Name:	FO	JBS JMSModule	The name of this JMS system module. More	e Info
Machines Virtual Hosts	Descriptor File Name:	The name of the JMS module descriptor file.	More Info		
Work ManagersStartup and Shutdown ClassesDeployments ⊖-Services ⊟-Messaging	This page summarizes the JMS resour destination quota, distributed destina			sue and topic destinations, connection factories, JMS templ	ates, destination sort keys,
	Customize this table				
How do L	Summary of Resources				
No task help found.	New Delete			s	howing 0 to 0 of 0 Previous Next
	🔲 Name 🗞	Туре	JNDI Name	Subdeployment	Targets
System Status			There are no items t	o display	
Health of Running Servers	New Delete			si	howing 0 to 0 of 0 Previous Next
Failed (0) Critical (0)					
Overloaded (0)					
Warning (0) OK (2)					
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affliates. All Oracle is a constant indexest of Oracle Companying					

6. Click on Connection Factory→ next→Create the connection Factory with the below Names→Next

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010.184.135.218:7001/console/con	sole.portal/_ntpb=true&_pageLabel=JmsCreateSystemModuleEntity&UmsCreateSystemModu	leEntityPortlet ⊽ C Google P 🏠 自 🖡 1
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nge Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, admin Connected to: Alpha
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iguration editing is enabled. Future ges will automatically be activated as you		
fy, add or delete items in this domain.		
ain Structure	Back Next Finish Cancel	
Domain	Choose the type of resource you want to create.	
nvironment		
Servers Clusters	Use these pages to create resources in a JMS system module, such as queues, topics, temp	lates, and connection factories.
Coherence Clusters Machines		for creating the resource. For targetable resources, like stand-alone queues and topics, connection n also proceed to targeting pages for selecting appropriate server targets. You can also associate MS module resources and the members to server resources.
Virtual Hosts Work Managers	ange date readures man addeptoyments, when is an advanced mechanism for grouping a	no mouse reason cea una une memoria to aci ven reason cea.
Startup and Shutdown Classes Deployments	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info
Services Messaging		
···JMS Servers ···Store-and-Forward Agents	← Queue	Defines a point-to-point destination type, which are used for asynchronou peer communications. A message delivered to a queue is distributed to on one consumer. Nore info
/ do I	Ξ	
onfigure quotas for destinations	© Торіс	Defines a publish/subscribe destination type, which are used for
onfigure JMS templates		asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info
onfigure destination keys		
onfigure topics	Distributed Queue	Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS dients. More Info.
onfigure queues		which are accessible as a single, logical queue to JMS clients. More Into.
onfigure connection factories	Distributed Topic	Defines a set of topics that are distributed on multiple JMS servers, but
onfigure uniform distributed topics		which are accessible as a single, logical topic to JMS clients. More Info
onfigure uniform distributed queues	Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances
onfigure foreign servers onfigure JMS SAF	United Street	that are not part of the current domain. More Info
angue si o ori	© Quota	Controls the allotment of system resources available to destinations. Mo
tem Status		Info
Ith of Running Servers	Destination Sort Key	Defines a unique sort order that destinations can apply to arriving
Failed (0)		messages. More Info
Critical (0)	© JMS Template	Defines a set of default configuration settings for multiple destinations.
Overloaded (0) Warning (0)		Info
OK (2)	SAF Imported Destinations	Defines a collection of imported store-and-forward (SAF) destinations. A SAF destination is a representation of a queue or topic in a remote server
		instance or duster that is imported into the local duster or server instance so that the local server instance or duster can send messages to the rem server instance or cluster. More Info
	Remote SAF Context	Defines the URL of the remote server instance or duster where a JMS



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Change Center	🏦 Home Log Dut Preferences 🗟 Record Help					
View changes and restarts	Hore >Jmshdipter >Summay of JMS Servers >Summay of JMS Modules >FCuBSIMIModule >FCuBSConnectionfactory >Summary of Deployments >Summary of JMS Modules					
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a Hour 2HS System Module Resource					
Lock & Edit Release Configuration Domain Structure FCH4INSTEST	Connection Federal Projecties The following projection at the work to identify your new connection factory. The current module is FCMESHIPIadule. * Indicator response fields					
Domain Partitions Environment Deployments Services	* Name: FCUBSConnectionfactory					
i Security Realins ⊕ Interoperability ⊕ Diagnostics	What 2001 Name Not Name IndiFCUBSConnectionEactory					
	The Connection Factory Solecorpton Sharing Palley Solecorbers can be used to control which whorehow can access new solecorptions. Shall advergetors created using Bin Factory be sharable? Solecorptions Sharing Palley: Exclusive +					
How do L	The Clert ID Policy indicates whether more than one 2% connection can use the same Clert ID. Oracle recommends setting the Clert ID policy to Unrestricted if sharing durable subscribers. Subscriptons created with different Clert ID policies are sharpy breated as independent subscriptons, think Clert ID Policy would you like to said					
Configure JMS templates Configure destination keys	Client ID Policy: Restricted •					
Configure topics Configure queues Configure connection factories	A connection factory can limit the number of messages that can queved for an anynchronou session. Should this connection factory impose a limit? Meadman Messages per Session: 10					
Configure uniform distributed topics Configure uniform distributed queues Configure foreion servers	Should this connection factory conte sessions that are JTA aware, and conte XA queues and XA topico?					
Configure JNS SAF System Status	m accumentant restore contents of the 2015 destination is configured to support this behavior ?					
Health of Running Servers as of 1:13 PM	Attach 3H5X UserID					
Failed (0) Critical (0)	(See) (Hes) (Free) Cores					
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7. Select Advanced targeting→create New Sub Deployment with the below Name→Select the target as JMS server which we have created on top→Finish

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Change Center	🏦 Home Log Out Preferences 🖾 Record Heb
View changes and restarts	Home >Summary of IMS Modules >FCUBSIMSModule >Summary of IMS Modules >FCUBSIMSModule >FCUBSConnectionfectory >Summary of IMS Modules >FCUBSIMSModule >Summary of IMS Modules >FCUBSIMSModule >Summary of IMS
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New JMS System Hodule Resource
modify, add or delete items in this domain.	Back Ned Finish Advanced Targeting Cancel
AlphaDomain Alpha	The following properties will be used to target your new JMS system module resource
Servers E Colusters E	Use this page to view and accept the default targets where this JMS resource will be targeted. The default targets are based on the parent JMS system module targets. If you do not want to accept the default targets, then dick Advanced Targeting to use the subdeployment mechanism for targeting this resource.
Machines Virtual Hosts Work Managers	The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retargeted appropriately.
	Targets :
⊕-Messaging	Servers
····JMS Servers ····Store-and-Forward Agents ···	SoAserver
How do I	
Configure quotas for destinations	Back Net Fnish Advanced Targeting Cancel
Configure JMS templates	
Configure destination keys Configure topics	
Configure topics Configure queues	
Configure connection factories Configure uniform distributed topics	
Configure uniform distributed topics Configure uniform distributed queues	
Configure uniform distributed queues Configure foreign servers	
Configure INESSAF	
System Status	
Health of Running Servers	
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Critical (0)	
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Warning (0)	
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WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. All	rights reserved.



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Change Center	🟦 Home Log Out Preferences 🖾 Record Help
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Configuration editing is enabled. Future	Create a New JMS System Module Resource
changes will automatically be activated as you modify, add or delete items in this domain.	
Domain Structure	Back Next Finish Cancel
Domain Structure AphaDonain	The following properties will be used to target your new JHS system module resource. Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, duster, or SF agent. If necessary, you can create a new subdeployment by cliding the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment you want to use. If you select (none), no targeting all coar. Subdeployments: Subdeployments: What targets do you want to assign to this subdeployment? Targets : Back: New Preh. Cancel
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	Administration Console 12c
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Pending changes exist. They must be activated	Modules >FCUBSIMSModule >placeholder
to take effect. You may activate them now. Otherwise, they will be automatically activated	Create a New JMS System Module Resource
when you next modify, add or delete items in this domain.	Back Ned Finish Cancel
Activate Changes	The following properties will be used to target your new JMS system module resource
Undo All Changes	Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, cluster
Domain Structure	SAF agent. If necessary, you can create a new subdeployment by clicking the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the pa module's subdeployment management page.
AlphaDomain	
Environment	Select the subdeployment you want to use. If you select (none), no targeting will occur.
Servers Clusters Coherence Clusters	Subdeployments: FCUBS 💌 Create a New Subdeployment.
Machines Virtual Hosts	What targets do you want to assign to this subdeployment?
Work Managers Startup and Shutdown Classes	Targets :
Deployments	largets -
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JMS Servers	
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Configure quotas for destinations	JMS Servers
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E-Environment	_	Subdeployments	Targets	Security	Notes					
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Work Managers Startup and Shutdown Classes	Name:			FCUBSJMSModule T			The name of	this JMS system module.	More Info	
Deployments Services Messaging	Descriptor File	escriptor File Name: jms/fcubsjmsmodule-jms.xml			ml	The name of the JMS module descriptor file. More Info				
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Sovers Goldenses Goldenses Goldenses Goldenses Goldenses Goldenses Goldenses Goldenses Goldenses	This page displa	ys general informati	on about a .		module and		It also allows you to o	-	and access existing resource of this JMS system module.					
DeploymentsServicesMessagingJMS ServersStore-and Forward Agents *				ave been o	reated for t				of the JMS module descriptor s, connection factories, JMS (æys,	
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8. Go back to console \rightarrow Click on JMS Modules \rightarrow New \rightarrow check on Queue \rightarrow next



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Servers ClustersClustersCohrence ClustersWirtual HostsWork ManagersWork ManagersWork ManagersWork Managers	Use these pages to create resources in a JMS system mo Depending on the type of resource you select, you are p factories, distributed queues and topics, foreign servers, targetable resources with subdeployments, which is an a	rompted to enter basic information for creating the r and JMS SAF destinations, you can also proceed to	esource. For targetable resources, like stand-alone q targeting pages for selecting appropriate server targ	
Startup and Shutdown ClassesDeploymentsServices	Connection Factory		Defines a set of connection configuration p create connections for JMS dients. More	
How do In.	Queue		Defines a point-to-point destination type, v peer communications. A message delivered one consumer. More Info	
Configure quotas for destinations Configure JMS templates	💿 Торіс		Defines a publish/subscribe destination typ asynchronous peer communications. A mes distributed to all topic consumers. More In	ssage delivered to a topic is
Configure destination keys Configure topics Configure queues	Distributed Queue		Defines a set of queues that are distribute which are accessible as a single, logical que	
Configure connection factories Configure uniform distributed topics	Distributed Topic		Defines a set of topics that are distributed which are accessible as a single, logical top	
Configure uniform distributed queues Configure foreign servers Configure JMS SAF	Foreign Server		Defines foreign messaging providers or rem that are not part of the current domain.	
System Status	💿 Quota		Controls the allotment of system resources Info	available to destinations. More
Health of Running Servers Failed (0)	Destination Sort Key		Defines a unique sort order that destination messages. More Info	ns can apply to arriving
Critical (0) Overloaded (0) Warning (0)) JMS Template		Defines a set of default configuration settin Info	ngs for multiple destinations. More
OK (2)	SAF Imported Destinations		Defines a collection of imported store-and- SAF destination is a representation of a qu instance or cluster that is imported into the so that the local server instance or cluster server instance or cluster. More Info	elucal cluster or server instance,
	Remote SAF Context		Defines the URL of the remote server insta destination is exported from. It also contain authenticated and authorized in the remote	ins the security credentials to be
	SAF Error Handling		Defines the action to take when the SAF se to remote destinations. More Info	ervice fails to forward messages
	Back Next Finish Cancel			
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 Create Queue with Name NOTIFY_DEST_QUEUE and JNDI name as jms/NOTIFY_DEST_QUEUE→select the sub deployment which we have created earlier →Next→Finish

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Configure quotas for destinations	JMS Servers
Configure JMS templates Configure destination keys	BPMJMSServer
Configure topics	
Configure queues	FCUBSJMSServer
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	Back Next Finish Cancel
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Servers	Configuration Subdeployments	Targets	Security	Notes								
Coherence Clusters Machines Virtual Hosts Work Managers	This page displays general informat	iion about a JN		odule and its reso	rces. It also allows you to configure		d access existing resources.	e Info				
└──Startup and Shutdown Classes └──Deployments ├──Nessaging └──NS Servers └──Strice_and_Encruard_Agents └──Strice_and_Encruard_Agents └──Strice_and_Encruard_Agents	Descriptor File Name: This page summarizes the JMS reso destination quota, distributed dest		ve been cre		vstem module, including queue and		the JMS module descriptor file				keys,	
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- Please create queue MDB_QUEUE_RESPONSE with JNDI name as jms/MDB_QUEUE_RESPONSE, queue eis/jms/ORGateway with JNDI name as eis/jms/ORGateway, and queue FAULT_QUEUE_RESPONSE with JNDI name as jms/FAULT_QUEUE_RESPONSE as above in console within FCUBSJMSModule.(Follow step 8-9 in 1.2.6)
- 11. Go to Console→Deployment→JmsAdapter→Configuration→Outbound Connection Pool→Expand oracle.tip.adapter.jms.IJmsConnectionFactory→New→Provide JNDI as 'eis/Queue/Notif'→next→Finish

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		₩ FtpAdapter	Active	🖋 ок	Resource Adapter	SOAServer	325	
		E GWWebServices (12.1.0.0.0)	Active	🖋 ок	Enterprise Application	SOAServer	600	
		JDEWorldAdapter	Installed		Resource Adapter		333	
		2 ImsAdapter	Active	🖋 ок	Resource Adapter	SOAServer	323	
		LdapAdapt JmsAdapter, Level 1, 19 of 46	Installed		Resource Adapter		332	
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		MSMQAdapter	Installed		Resource Adapter		334	
			Active	🖋 ок	Enterprise Application	SOAServer	100	
		oracleAppsAdapter	Active	🖋 ок	Resource Adapter	SOAServer	328	
		oracleBamAdapter	Installed		Resource Adapter		329	
		CradeBPMBACServerApp	Active	🖋 ок	Enterprise Application	SOAServer	384	
		CradeBPMComposerRolesApp	Active	🖋 ок	Enterprise Application	SOAServer	382	
		⊞ CradeBPMProcessRolesApp	Active	🖋 ок	Enterprise Application	SOAServer	381	
		E CoadeBPMWorkspace	Active	🖋 ок	Enterprise Application	SOAServer	383	
		SAPAdapter	Installed		Resource Adapter		335	
		E SimpleApprovalTaskFlow	Active	🖋 ок	Enterprise Application	SOAServer	386	
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AlphaDomain E-Environment Servers Clusters Custers	Enter the JNDI name that you want to use to obtain the new connection instance * Indicates required fields The Outbound Connection instance represents a connection pool. The JNDI name can be used to obtain the pool at runtime.				
Machines Virtual Hosts Vork Managers Startup and Shutdown Classes Deployments E-Services E-Messaging	The Outbound Connection instance represents a connection pool. The JNDI name can be used to obtain the pool at runtime.				
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H-Clusters Coherence Clusters Machines Virtual Hosts Work Managers	listed by connection factory interface and the instances are listed by their JNDI names. E Connection Pool group. Click the name of a group or instance to configure it. Automatical Outbound Connection Pool Configuration Table	xpand a group to obtain configuration information for a Connection Pool instance within an Outbound ly generated Connection Pools are not displayed in the table below.
Startup and Shutdown Classes	New Delete	Showing 1 to 1 of 1 Previous Next
-Deployments -Services	Groups and Instances 🖘	Connection Factory Interface
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ealth of Running Servers	eis/agims/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
Failed (0)	eis/agims/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
Critical (0)	eis/fioranomg/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
Overloaded (0)	eis/jbossmq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
Warning (0)	eis/jms/aiaB2BQueueCF	oracle.tip.adapter.jms.IJmsConnectionFactory
OK (2)	eis/jms/aiaErrorTopicCF	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/pramati/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
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	eis/webspheremq/Queue	orade.tip.adapter.jms.IJmsConnectionFactory
	eis/wls/EDNLocalTxDurableTopic	orade.tip.adapter.jms.IJmsConnectionFactory
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12. Click on the Outbound connection pool with **eis/Queue/Noti**f and enter the connection factory location as **jndi/FCUBSConnectionfactory**→press Enter and Save

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13. Go to console \rightarrow Deployments \rightarrow JMS adapter \rightarrow Update \rightarrow Next \rightarrow finish



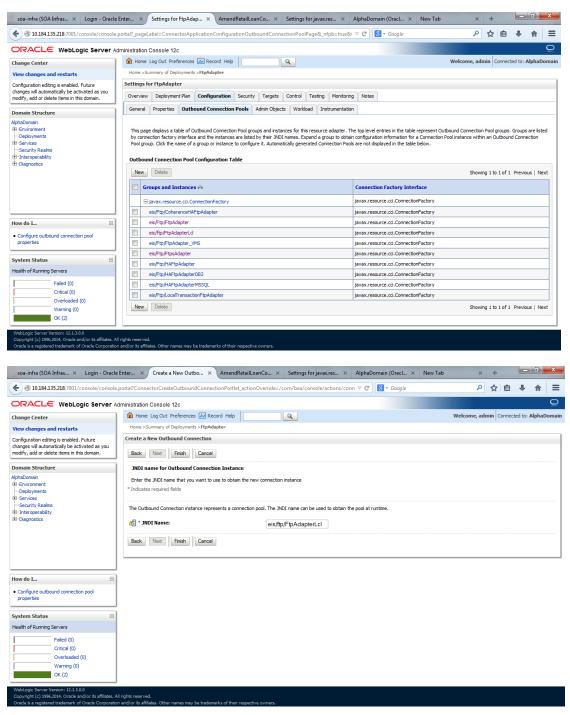
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14. Create the out bound connection pool with the **eis/wls/Queue** name in the Deployments using connection factory jndi/FCUBSConnectionfactory.



1.2.7 Configuring FTP Adapter

1. Login to console→Deployments→ FTP Adapter→Configuration→Outbound Connection Pool→New



- 2. Add JNDI name as eis/ftp/FtpAdapterLcl
- 3. Click finish and save.



1.2.7.1 BIP Interactive reports configuration

The Following set of instructions can be followed if the BPEL needs to be configured with BIP interactive reports

- 1) Login to the BIP domain console, http/s:<hostname>:<port>/console.
- 2) Follow the step 1.2.1 to add the "FCJCustomProvider".

After adding, Navigate to security realms >myrealm > Users and Groups and check if the users from the schema are displayed in Users tab, and Roles from the schema are displayed under the Groups Tab.

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OK (2)				

- 3) Login to the Enterprise Manager (em) http/s:<hostname>:<port>/em
 - Right click on the domain(in which BI suite is installed) under the weblogic domain
 - Go to security and then navigate to application roles



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- 4) After navigating to next screen as in below screenshot,
 - Select application stripe as obi
 - Click on the search button
 - Click on create button to add a role

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	Manager	Manager System Dsplay Name Type	Description



- 5) After navigating to next screen as in below screenshot,
 - Enter the role name(mandatory), display name(optional), description(optional)
 - Click on the Add button
 - In the Add Principal pop up select type as "Group"
 - In the advanced option check the checkbox and again select the type as "Group" below
 - Click on the Search button, if the roles are listed then select the roles like ALLROLES-000, ADMINROLE-000 from the list.

or

- Enter the Principal Name (mandatory), which is actually the role present in the FCUBS (ex: ALLROLES-000, ADMINROLE-000), Display Name (optional).
- After completing click on OK button in pop up window and also in the screen.

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		Type Group -		
			Display Name ALLROLES-000	
				OK Cancel



- 6) After getting information message like "A new role added successfully", then again
 - Right click on the domain(in which BI suite is installed) under the weblogic domain

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• Go to security and then navigate to application polices



- 7) After navigating to next screen as per screen shot,
 - o Select the application stripe as obi, principal type as "Application Role"
 - Click on the search button
 - Select BIConsumer(it should be highlighted) from the list and click on the create like button.

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	ē	rtd batch	batch admin	oracle securitygpt.Resource/emission
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- 8) After navigating to next screen as per the screen shot,
 - Click on Add button , a new window "Add Principal" will be launched.
 - Select Type as "Application Role" and click on the search button
 - From the list select the role that has been created earlier in application role screen and click on OK button in pop up window and screen.

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🗄 🛅 Metadata Repositories	Select the grantees (user, group	or application role) you want to ac	la to the policy.			
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	Name	Display Name	Type	Description		
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			elect the application roles that you	want to grant permissions to.		
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		BIAuthor BIConsumer	BI Consumer Role			
		BIReportViewer	FCUBS Consumer Role			
		ALLROLES	ALLROLES	ALLROLES		
		authenticated-role	Authenticated Role	ALLROLES		
		anonymous-role	Anonymous Role			
		anonymous-role	Anonymous Role			
				OK Cancel		

- Click Add button under Permissions and add the two permissions one by one as mentioned below.
 - oracle.bi.publisher.runReportOnline
 - oracle.bi.publisher.accessReportOutput

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V 📄 WebLogic Domain	Application Policies > Create Applicati	on Grant				
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	Permissions	B	Resource Name oracle bi-publist		Resource Type oracle. bi. publisher. permission oracle. bi. ublisher. permission	Permission Actions

- 9) After getting information message like "A security added successfully",
 - $\circ \quad \mbox{Login into the BIPublisher , http/s:<hostname>:<port>/xmlpserver}$
 - o Click on the Administration .

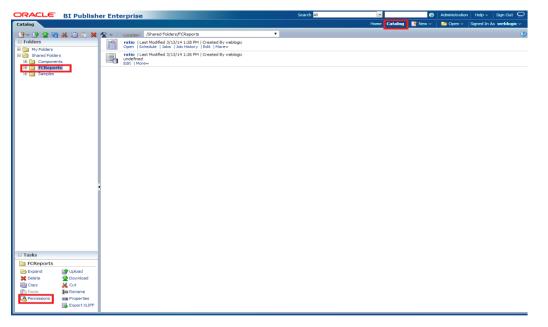
.



 Click on the Roles and Permission under Security center and check if the added role(in em) is displayed, If not restart the servers.

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10) Then click on the Catalog , then on the folder that has been created , and then on permissions





11) After clicking on the permissions, a new window will pop up, delete all the roles if any present on click of permissions, then click on Add button, and then click on search button in "Add Roles" window that is launched newly and select the role that has been created and click on move button and click on OK.

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Tasks FCReports Expand Copy Paste Permissions	Upload Download Cut Rename Properties Export XLIFF		Hep			OK Cancel	

12) Finally, the role will be added and select the options that has to be provided for the particular role and check if the permissions is only to items within the folder if necessary.

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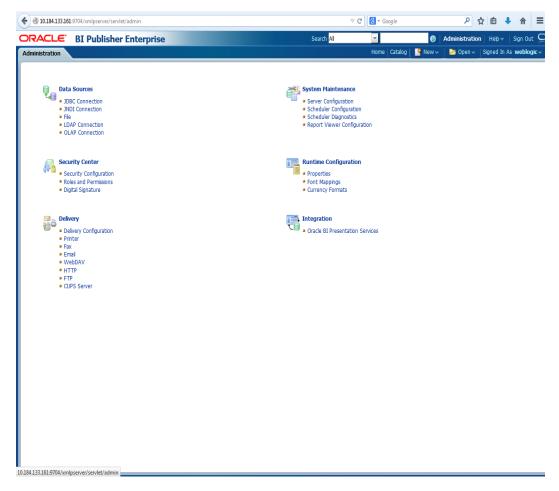


Now the reports in the folder will be accessed accordingly based on the roles.

Note:

In the similar way we can set the permissions at report level also for particular role.

- 13. Please login in to Bi Publisher http://server:port/xmlpserver.
- 14. Click on Adminstration → JDBC connection → Add Data Source





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15. Please create the data source with data source name as **FCSOA** and use soa schema details to create the same.

ORACLE	BI Publisher Enterprise	Search Al	~	ø	Administratio	n Help ∽	Sign Out 🧲
Administration			Home Catalog	🄮 New 🗸	📔 🗁 Open 🗸	Signed In A	; weblogic∽
Administration > JD	BC > Add Data Source						
Add Data Source							
						Apply	Cancel
General							
	ke sure to install the required JDBC driver classe						
TIP With Orac	le Fusion Middleware Security Model, select the	Use System User checkbox to use the BI System User for your BI Serv	er Database Connection.				
	* Data Source Name	FCSOA					
	* Driver Type	Oracle 11g					
	* Database Driver Class						
	* Connection String	(Example: oracle.jdbc.OracleDriver) jdbc:oracle:thin:@//ofss222783.in.oracle.com:1521/FCUBSDEV121					
		-					
	Use System User						
		DEV12C_SOAINFRA					
	Password Pre Process Function						
	Post Process Function	I					
		Use Proxy Authentication					
		Test Connection					
Backup Data S	ource						
≪TIP To enable	access to a backup data source, please check th	e Use Backup Data Source checkbox and enter the necessary connect	ion information.				
	Connection String	Use Backup Data Source					
	Username						
	Password						
		Test Connection					

16. Add the fcubs roles to allowed Roles under security

ORACLE BI Publisher Enterprise		Search All	~	۲	Administration	Help 🛩 🔤	Sign Out
Administration			Home Catalog	🔮 New ~	📔 🗁 Open 🗸	Signed In A	s weblogic
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Backup Data Source							
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Security							
Allow Guest Access	Available Roles EI Administrator Role EI Author Role EI Synsumer Role FCUIS Consumer Role	Allowed Roles					

17. Click on test connection .once the connection is established succesfuly .Click on Apply.



18. Please follow the steps 15 to 17 to create data source for FCUBS Schema and give the name as FCBIPBPEL

1.2.8 BAM Report Configuration settings

- 1. The Following set of instructions can be followed if the BPEL need to be configured with BAM reportsGenerate a deployment plan for BAM Composer Application.
- 2. Login in to console <u>http://hostname:port/console</u>
- 3. Click on Deployments → click on BAM Composer

Change Center	1	Ho	ne Log Out Preferences 🛃 Record Help			We	lcome, weblogic	Connected to: dev_domai
View changes and restarts	н	ome :	Summary of Deployments					
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Configuration editing is enabled. Future changes will automatically be activated as you								
nodify, add or delete items in this domain.	0	ontr	Monitoring					
omain Structure								
v_domain			age displays a list of Java EE applications and stand-alone application modules the id, stopped, updated (redeployed), or deleted from the domain by first selection					
Environment						and using the t	concros on che pag	e.
Deployment Services		To in	stall a new application or module for deployment to targets in this domain, click t	he Install bu	tton.			
Security Real Deployments, Level 1, 2 of 6, Sele								
Interoperability Diagnostics	₽	Cust	omize this table					
- Diagnosous	1)epk	yments					
		Inst	II Update Delete Start v Stop v				Showing 1 to 47	of 47 Previous Next
	ſ		Name 🙈	State	Health	Туре	Targets	Deployment Order
			😹 AqAdapter	Active	🛩 ок	Resource Adapter	soa_server1	324
Install an enterprise application			E Coposti	Active	🛩 ок	Enterprise Application	soa_server1	313
Configure an enterprise application		-	E BamComposer	Active	🛩 ок	Enterprise	bam server1	500
Update (redeploy) an enterprise application		-	Bancomposer	Active	V UK	Application	Dam_server1	500
Start and stop a deployed enterprise application			E CBamCQService	Active	🛩 ок	Enterprise Application	bam_server1	300
Monitor the modules of an enterprise application			€ BamServer	Active	🛩 ок	Enterprise Application	bam_server1	400
Deploy EJB modules Install a Web application				Active	🛩 ок	Enterprise Application	soa_server1	385
vstem Status			operence-transaction-rar	Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
Failed (0)			CoherenceAdapter	Installed		Resource Adapter		331
Critical (0) Overloaded (0)			DbAdapter	Active	🛩 ок	Resource Adapter	soa_server1	322
Warning (0) OK (3)			Contraction	Active	🛩 ок	Enterprise Application	soa_server1	314
ON (D)			OMS Application (12.1.3.0.0)	Active	🛩 ок	Web Application	AdminServer, bam_server1, soa_server1	5

4. click on Configuration Configuration \rightarrow Save



hange Center	Home Log	Out Prefere	nces 💽 Record He	lp		Q				Welcome, weblogic Connected to: dev_dor
iew changes and restarts	Home >Summar	y of Deploymen	ts >BamComposer >Sum	mary of Deple	yments >Ba	mCompos	er			
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hanges will automatically be activated as you hodify, add or delete items in this domain.	Overview D	eployment Pl	an Configuration	Security	Targets	Control	Testing	Monitoring	Notes	
omain Structure	Application	Workload	Instrumentation							
v_domain Environment Deoloyments	Save									
- Services - Security Realms	This page de	scribes the co	onfiguration informatio	n that is cur	rently defin	ed in the c	leployment	plan for the	selected mo	idule or component.
⊢ Interoperability Diagnostics	Session cook	ies max age	(in seconds):	-1				ex	pires on the	f the session cookie (in seconds) after which it client. The value '-1' indicates that the cookie will e client's browser shuts down. More Info
	Session Inval	idation Inte	rval (in seconds):	60				do	ng house-cl	econds) that WebLogic Server waits between eaning checks for timed-out and invalid sessions, ne old sessions and freeing up memory. More Info
ow do I E	Session Time	out (in seco	nds):	3600						f time (in seconds) that a session can remain it is invalidated. More Info
Create a deployment plan Update a deployment plan	📃 Debug En	abled						En	able debugg	ing information for this session More Info
Start and stop a deployed enterprise application Configure an enterprise application	Maximum in-	nemory Ses	sions:	-1						number of sessions to retain in memory. The value nat there is no limit. More Info
Target an enterprise application to a server stem Status	Monitoring A	ttribute Na	ne:					se	sion information	ame of a session attribute which is tagged with tion. For example, if this value is set to username, name attribute is guaranteed to be unique. More
alth of Running Servers	Save									
Failed (0)	oave									
Critical (0)										
Overloaded (0) Warning (0)										
OK (3)										
ebLogic Server Version: 12.1.3.0.0										
ebLogic Server Version: 12.1.3.0.0 pyright (c) 1996,2014, Orade and/or its affiliates. Al ade is a registered trademark of Orade Corporation										

5. Click on Overview→check the deployment plan location

ORACLE WebLogic Server Ad	ministration Console 12c							Ģ
Change Center	🙆 Home Log Out Preferen	ces 💽 Record Hel;	p	Q				Welcome, weblogic Connected to: dev_doma
View changes and restarts	Home >Summary of Deployments	s >BamComposer >Sumr	mary of Deployments >	BamComposer	>Summary	of Deployments	s >BamCo	mposer
Configuration editing is enabled. Future	Settings for BamComposer							
changes will automatically be activated as you modify, add or delete items in this domain.	Overview Deployment Pla	n Configuration	Security Targets	Control	Testing	Monitoring	Notes	
Domain Structure	Save							
dev_domain B-Environment 		at the end of the pag	e lists the modules					the application files, the associated deployment ontained in the enterprise application. Click on the
Interoperability Diagnostics	Name:	BamComposer				The	e name of	this enterprise application. More Info
	Path:	/ scratch/ app/ fm BamComposer. ear	w12c/ Middleware/	soa/ bam/ ap	plications/			the source of the deployable unit on the n Server. More Info
	Deployment Plan:	/ scratch/ app/ fm Plan3. xml	w12c/ Middleware/	soa/ bam/ ap	plications/			the deployment plan document on the a Server. More Info
How do I E • Start and stop a deployed enterprise application	Staging Mode:	nostage				on t	the Admin	ther a deployment's fles are copied from a source istration Server to the Managed Server's staging splication preparation. More Info
Configure an enterprise application Create a deployment plan Target an enterprise application to a server	Plan Staging Mode:	(not specified)				from	n a source	ther an application's deployment plan is copied on the Administration Server to the Managed ng area during application preparation. More Info
Test the modules in an enterprise application	Security Model:	DDOnly					e security i dule. Moi	model that is used to secure a deployed re Info
System Status	🛃 Deployment Order:	500				rela		lue that indicates when this unit is deployed, rer deployable units on a server, during e Info
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)	🛃 Deployment Principal Name:					whe This calli App	en deployi s principal ng out int plicationLife	that indicates the principal that should be used on the file or archive during startup and shutdown. will be used to set the current subject when o application code for interfaces such as scycleListener. If no principal name is specified, nymous principal will be used. More Info
	Save							
	Modules and Component	s						

6. Add variable and variable assignment as below to the Plan.xml in

<module-name>BamComposerWeb.war</module-name> and for reference please find plan.xml file.

<variable>

<name>oracle.adf.view.rich.security.FRAME_BUSTING</name>



<value>never</value>
<module-descriptor external="true"></module-descriptor>
<root-element>web-app</root-element>
<uri>WEB-INF/web.xml</uri>
<pre><variable-assignment></variable-assignment></pre>
<name>oracle.adf.view.rich.security.FRAME_BUSTING</name>
<xpath>/web-app/context-param/[param-</xpath>
name="oracle.adf.view.rich.security.FRAME_BUSTING"]/param-value
<pre><origin>planbased</origin></pre>



Services Security Realms Interoperability Diagnostics		stomize this table										
		Deployments Install Update Delete Start v Stop v						Showing 1 to 47 of 47 Previous Ne				
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ionfigure an enterprise application Ipdate (redeploy) an enterprise application		BamComposer			Active	🖋 ОК	Enterprise Application	bam_server1	500			
tart and stop a deployed enterprise oplication	8	BamCQService			Active	🛩 ок	Enterprise Application	bam_server1	300			
onitor the modules of an enterprise oplication	15	🕀 🔂 BamServer			Active	🛩 ок	Enterprise Application	bam_server1	400			
aploy EJB modules stall a Web application		BPMComposer			Active	🖌 ок	Enterprise Application	soa_server1	385			
em Status 🛛 🖂	8	Scoherence-transaction-	rar		Active	🖋 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100			
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Critical (0) Overloaded (0)	8	DbAdapter			Active	🖋 ОК	Resource Adapter	soa_server1	322			
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OK (3)	6	OMS Application (12	.1.3.0.0)		Active	🛩 ок	Web Application	AdminServer, bam_server1, soa_server1	5			
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		E FCUBSAppSoaEmb (12.1.0.0.0)		Prepared	🛩 ок	Enterprise Application	soa_server1	601			
	8	FieAdapter			Active	🛩 ок	Resource Adapter	soa_server1	321			
	8	🕀 🕞 frevvo			Installed		Enterprise Application		100			
	100	FtnAdanter			Active	🖌 ОК	Resource	soa server1	325			

7. Stop the BAM composer application in console.

- 8. Update the deployment plan.
- 9. Click on deployments \rightarrow click on BAM Composer checkbox \rightarrow Click on update



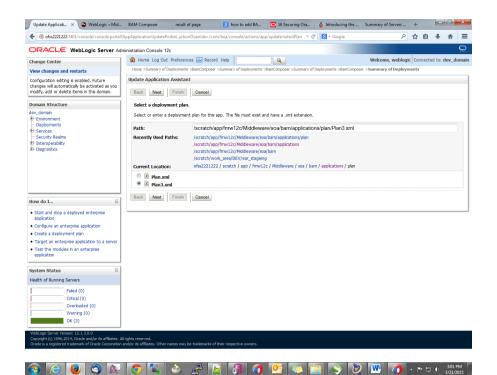
Change Center		Home Log Out Preferences 🛃 Record H	elp Q		We	come, weblogic C	onnected to: dev_doma
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Configure an enterprise application Update (redeploy) an enterprise application		BamComposer	Active	🛩 ок	Enterprise Application	bam_server1	500
Start and stop a deployed enterprise application		BamCQService	Active	🛩 ок	Enterprise Application	bam_server1	300
Monitor the modules of an enterprise application	2	BamServer	Active	🛩 ок	Enterprise Application	bam_server1	400
Deploy EJB modules Install a Web application		BPMComposer	Active	🛩 ок	Enterprise Application	soa_server1	385
ystem Status E] 👼 coherence-transaction-rar	Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
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Warning (0) OK (3)	2	Default ToDo TaskFlow	Active	🛩 ок	Enterprise Application	soa_server1	314
OK (3)			Active	🛩 ок	Web Application	AdminServer, bam_server1,	5

10. Select the Update this application in place with new deployment plan changes and click on change path button.

ORACLE WebLogic Server Adr	ministration Console 12c		Q
Change Center	😭 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: dev_domain
View changes and restarts	Home >Summary of Deployments >BamComposer >Summa	ry of Deployments >BamComposer >Summ	ary of Deployments >BamComposer >Summary of Deployments
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Update Application Assistant Back Next Finish Cancel		
Domain Structure	Locate new deployment files		
dev_doman Everytomment Deployments Services Services Security Realms Interoperability	You have elected to update the BarnComposer app pdate this application in place with new d option) Deployment plan path: /scratch/apo/fmv/12		
Diagnostics	Scatch/app/minitz	c/ Hiddleware/soa/oaniyappicacions/ pi	an (rans.or change Path
	Redeploy this application using the following	g deployment files:	
	Source path: /scratch/app/fmw12	c/Middleware/soa/barn/applications/B	amComposer.ear Change Path
	Deployment plan path: /scratch/app/fmw12	c/Middleware/soa/bam/applications/pl	an/Plan3.xml Change Path
How do L 🗉	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 (3)			
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation	I rights reserved. and/or its affiliates. Other names may be trademarks of their resp	pective owners.	

11. Select the latest plan.xml in the in the path \rightarrow next \rightarrow Finish





Change Center			ferences 💽 Record He		Q				Connected to: dev_dom
iew changes and restarts			yments >BamComposer >Sum	mary of Deployments >Bam	omposer >Summary of Dep	oloyments >8	amComposer >S	ummary of Deploy	ments
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Monitor the modules of an enterprise application	E	BamCompo	oser		Prepareo	в 🛩 ок	Enterprise Application	bam_server1	500
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Failed (0) Critical (0)	E	oherence-tra	insaction-rar		Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
Overloaded (0) Warning (0)	E	CoherenceAd	apter		Installed		Resource Adapter		331
OK (3)							Resource		
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12. Restart the BAM Composer application in the console

Change Center	Home Home	Log Out Preferences 🔤 Record Help	Q					Welcome, admin	onnected to: AlphaDomai
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changes will automatically be activated as you nodify, add or delete items in this domain.	-	" ted Deployments have been requested to st	op.						
Domain Structure	Summary	y of Deployments							
IphaDomain A	Control	Monitoring							
···Servers ⊕-Clusters ···Coherence Clusters ···Machines ···Virtual Hosts E	(redeplo	ge displays a list of Java EE applications and oyed), or deleted from the domain by first se all a new application or module for deploymer	lecting the application na	me and using the controls			stalled application	s and modules can be started	d, stopped, updated
Work Managers Startup and Shutdown Classes Deployments Services Services Services	Custon	nize this table							
P-Interoperability P-Diagnostics	Install	\sim	pγ					Showing 1 to 48	of 48 Previous Next
tow do I 😑	E Na	ame 😞	uests dministration requests		State	Health	Туре	Targets	Deployment Order
Install an enterprise application Configure an enterprise application		AqAdapter			Prepared	∢ок	Resource Adapter	SOAServer	324
Update (redeploy) an enterprise application Start and stop a deployed enterprise		B 🕞 b2bui			Prepared	🛩 ок	Enterprise Application	SOAServer	313
Application Monitor the modules of an enterprise		BamComposer			Prepared	≪ок	Enterprise Application	BAMServer	500
application • Deploy EJB modules		BamCQService			Active	≪ок	Enterprise Application	BAMServer	300
Install a Web application		BamServer			Active	≪ок	Enterprise Application	BAMServer	400
ealth of Running Servers		BPMComposer			Active	🖋 ок	Enterprise Application	SOAServer	385
Faled (0)		coherence-transaction-rar			Active	≪ок	Resource Adapter	AdminServer, BAMServer, SOAServer	100
Critical (0) Overloaded (0)		CoherenceAdapter			Installed		Resource Adapter		331
Warning (1) OK (2)		DbAdapter			Active	🖋 ок	Resource Adapter	SOAServer	322
		DefaultToDoTaskFlow			Active	≪ок	Enterprise Application	SOAServer	314
		DMS Application (12.1.3.0.0)			Active	¢ок	Web Application	AdminServer, BAMServer, SOAServer	5
					-	-			

- 13. Login in to em console http://hostname:port/em
- 14. Right Click on BAM Server→Security→Application Roles

Target Navigation		👚 BamServer 🕕		Logged in as web	logicl 📃 ofss2221222.in.oracle.c
View 🕶		🛗 Business Activity Monitoring 🔻		Page Refreshed Jul	23, 2015 11:17:31 AM IST
	VerD Home Monitoring Control Logs Security Ap	nirrerent from application name. Role Name Starts With 💌	a registered. These are also applica Logic Domain, use the <u>Qracle Web</u> I urce	tion roles that are created in the co	ntext of end users accessing the

15. Click on Create → create application role with ALL ROLES-000→Click on ADD button in the Members



ORACLE Enterprise Manager Fusion Middleware Cont	rol 12c	👥 weblogic 👻 🔘
📑 WebLogic Domain 🔫		
Target Navigation View •	BamServer Image: Im	Logged in as weblogi cl 📗 ofss2221222.in.oracle.com Page Refreshed Jul 23, 2015 11:20:30 AM IST 💍
Vew	Create Application Role General Application BanServer Stripe * Role Name ALLROLES-000 Description Members An application role may need to be mapped to users or groups defined in roles. View Add Cole Delete Deletch Name No groups or app Add roles } added.	OK Cancel

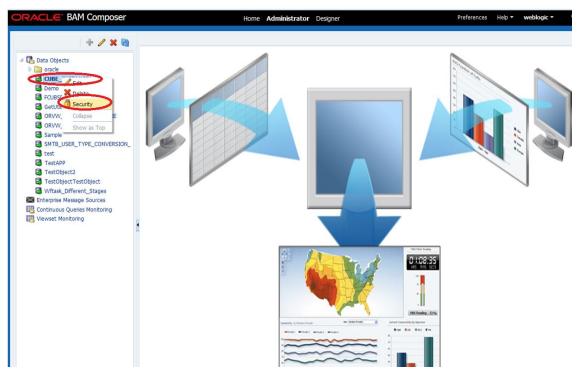
16. Select the Type as Group and add principle details be referring the below screen shot.



17. Login to BAM Composer \rightarrow <u>http://hostname:port/bam/composer--</u>> Click on Administrator.



18. Go to Data Object→Right Click on CUBE_INSTANCE→Security



19. Click on Add button under Grant permission and search the list based on the Application Role

+ / × @	GetUtilsDB (Security) ×			2 🖬
	Full Name /dataobject/GetUtisDB Owner Type USER Owner Name weblogic	1	69	Save
CetutilsDB Convertise	1. Grant permission Add Application Roles, Groups and Users View * * Detach Role Name Red Write * * *		×	
	2. Deny Permission OK Cancel View * * * Concel Detach Role Name Read No data to deplay Write			



20. Move the ALLROLES-000 to Selected members.

ORACLE BAM Composer	Home Administr	rator Designer	Preferences Help * weblogic *
	GetUtilsDB (Security) x G Security Full Name /dataobject/GetUtilsDB Owner Type USER Owner Name weblogic		و کا
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21. Click on read, select and Update check boxes \rightarrow Click on Save.

RACLE BAM Composer			lome Administ	rator Designer			Preferences H	elp • weblogic •
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Data Objects oracle CUBE_INSTANCE Demo CUBE_INSTANCE CUBE_INSTANCE CUBE_INSTANCE CUBE_INSTATAOBJECTS GetUtIsOB	Full Name /datage Owner Type USER Owner Name weblo	bject/GetUtilsD gic	B					i 💀 Sav
ORVW_FACILITY_EXPOSURE	1. Grant permission							
Sample	View 👻 💠 🗙	Detach						
SMTB_USER_TYPE_CONVERSION_	Kole Name	Read	Write	Remove	Select	Delete	Update	Security
🗟 test	88 ALLROLES-000							
TestAPP	BAMArchitect	V		2				
TestObject2	BAMContentCreator			(m)				
TestObjectTestObject Wftask_Different_Stages	BAMContentViewer	V			V			
Enterprise Message Sources Continuous Queries Monitoring Reviewset Monitoring								
	2. Deny Permission							
	View 🔻 🛖 💥	🛃 Detach						
	Role Name	Read	Write	Remove	Select	Delete	Update	Security
	No data to display							



- 22. Follow the step 17 to 21 for other Data objects also.(cube_instance,wftask_different_stages, ORVW_TRACK_EXPOSURE, ORVW_FACILITY_EXPOSURE, GetUtilsDB, SMTB_USER_TYPE_CONVERSION_VIEW, FCUBSDATAOBJECTS).
- 23. Click on Designer \rightarrow open Project

ORACLE BAM Composer	Home Administrator Designer	Preferences Help • weblogic •
CUBS_BAM_Report	Image: Second of All second of and All second of and All second of and All second of and and All second and All se	Aodel Data
Create C	What do you want to cree Dashboards and Alerts Dashboards are composed of one or more views Create one	eate?

24. Click on FCUBS_BAM_report

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	Image: Contract of the second sec	Select the project to open Das FCUBS_BAM_Report Process Analytis TestApp_2204 t to more	views



25. click on FCUBS_BAM_Report →Security

ORACLE' BAM Composer	Home Administrator Designer	Preferences Help v weblogic v
CCUBS BAM_Report Image: Open Project Image: Open Project Image: Open Project	Dashboard or Al Business View What do you want to create?	Data
	Dashboards and Alerts	
	Dashboards are composed of one or more views Create one	
	Alerts are notifications based on KPIs, Queries, or Pattern Matches Create one	

26. Click on ADD button Under Grant Permission.

ORACLE BAM Composer		Home	Administrator De	signer		Preferences Help ▼	weblogic 🔻
CUBS_BAM_Report 💌	FCUBS_BAM_Report	: (Security) $_{\times}$					21
	Contract Security					()	Save
 C¹/₁ Data Objects III Business Queries F NPIs Sease Stress Views III Santess Views III Santess Views 	Owner Type US	oject/FCUBS_BAM ER blogic	_Report				
Alerts	1. Grant permissio	n					1
Parameters	View -	Detach					
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	BAMContenecrea BAMContentViev						
	NU CHARGE			-			
	2. Deny Permission	1					
	View 👻 💠 💥	Personal Contract of Contract					
	Role Name No data to display	Read	Write	Remove	Security		



ORACLE' BAM Composer		Home Adm	inistrator Desi g	ner		Preferences	Help 🔻	weblogic 🔻	C
FCUBS_BAM_Report 💌	FCUBS_BAM_Report	(Security) 🗙						? No. 1	Ŧ
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Alerts ▷ IIII Parameters	1. Grant permission							-	i.
V una Parameters	View - + ×								
	Role Name Add A	application Roles, Grou	ups and Users	Remove	Security				
	BAMContencereace BAMContentViewe								
	A BAMCONCENT/VIEWE								
	2. Deny Permission								
	View 🔻 💠 💥	Detach							
	Role Name	Read	Write	Remove	Security				
	No data to display								

27. Search the List based on the Application Roles and Select the ALLROLES-000

ORACLE BAM Composer	Home Administrator Designer	Preferences	Help 👻	weblog	jic 🔻
FCUBS_BAM_Report 🖃 🗁 🔶 🗶 🚳	FCUBS_BAM_Report (Security) × Security Full Name /project/FCUBS_BAM_Report		i	69	3 🕅 🕈
 [®] RPIs 	Owner Type USER Owner Name weblogic				
> 🖼 Parameters	Ad Application Roles, Groups and Users Name Search Available Hembers BAMArchitect PDMCrantatiViewer ALIROLES-000 CK Cancel CK Cancel				



28. Move the ALLROLES-000 to Selected Members and click on ok.

ORACLE' BAM Composer	Home Administrator Designer	Preferences Help • weblogic •
FCUBS_BAM_Report 🗾	FCUBS_BAM_Report (Security) ×	3 🛛
	a Security	i 🔂 Save
 Data Objects Business Queries KPIs Business Views Dashboards 	Full Name /project/FCUBS_BAM_Report Owner Type USER Owner Name weblogic	-
Alerts ▷ Parameters	1. Grant permission	
	Add Application Roles, Groups and Users X Name List: Application Role S Selected Members BMContent Viewer OK Cancel	

29. Select the Read check box for ALLROLES-000 \rightarrow Click on Save

ORACLE BAM Composer		Home Administrator	Designer		Preferences	Help 🔻	weblogic -
FCUBS_BAM_Report 💌	FCUBS_BAM_Report (Securit	y) ×					0 🕅
D 🕂 🖊 💥 🔞	🔁 Security					1	R Save
Contract Objects Eligible Business Queries KPLs Kols Business Views Business Views Solutions	Full Name /project/FCL Owner Type USER Owner Name weblogic	BS_BAM_Report					
Alerts ▷ Imil Parameters	1. Grant permission						
	View 🔻 🛖 🔀 🛃 D	etach					
	Kole Name Read	Write	Remove	Security	>		
	C LUROLES-000			-			
	BAMContentCreator	V	V				
	🔀 BAMContentViewer 🗹						
	2. Deny Permission						
	View 🔻 🛖 💥 🛃 D						
	Role Name Read	Write	Remove	Security			
	No data to display						



1.2.9 IPM configuration to edit the document

The Following set of instructions can be followed if the BPEL need to be configured with IPM configuration

- 1) Login to the console, http/s:<hostname>:<port>/console with admin user
- 2) Follow the step 1.2.1 to add the "FCJCustomProvider".

After adding, Navigate to security realms > myrealm > Users and Groups and check if the users from the schema are displayed in Users tab, and Roles from the schema are displayed under the Groups Tab.

- 3) After adding the custom authenticator,
 - Navigate to security realms >my realm > Users and Groups > Groups.

Change Center	😰 Home Log Out Preferences 🗟 Record Help 🛛 🤍 Welcome, weblogic Connected to: IPM_domain									
View changes and restarts	Home									
Configuration editing is enabled. Future	Settings for myrealm									
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Users and Gr	roups Roles and Policies Credential Mappings Providers Migration								
Domain Structure	Users Groups									
IPM_domain P-Environment Deployments Deployments 	This page displays information	about each group that has been configured in this security realm.								
r: Security Realms ⊕ "Interoperability ⊕ "Diagnostics	Customize this table									
2"Diagnosucs	Groups New Delete		Showing 1 to 10 of 568 Previous Next							
	🔲 Name 🗇	Description	Provider							
	AC-BATCH	Accounting Batch Operations	Fcubs							
	AC-REPORTS	Accounting Reports	Fcubs							
How do I 🗉	AC-RPT	Accounting Reports	Fcubs							
Manage users and groups	ADMIN	Admin	Fcubs							
Create groups	AdminChannelUsers	AdminChannelUsers can access the admin channel.	DefaultAuthenticator							
Modify groups	Administrators	Administrators can view and modify all resource attributes and start and stop servers.	DefaultAuthenticator							
Delete groups	ADMINROLE	Admin Role	Fcubs							
	AE-MAINT-IN	AEOD Maitenance	Fcubs							
System Status 🛛	AEOD-RPT	AEOD Reports	Fcubs							
Health of Running Servers	AEOD-STB	Accounting Reports	Fcubs							
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)	New. Delete		Showing 1 to 10 of 568 Previous Next							

• Click on the New button.

- 4) After Clicking on the new button,
 - Enter the name as "IPMUserGroup"
 - Description for it (optional)
 - And select the authenticator as "DefaultAuthenticator"
 - And then click "Ok"



		ferences 🔤 Record Help	Q	Welcome, weblogic Connected to: IPM domain
Change Center	Home	erences en Record Help	4	welcome, weblogic connected to: 1PPI_domain
View changes and restarts				
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Group OK Cancel			
Domain Structure	Group Properties			
PM_domain Environment Deployments El-Services		es will be used to identify your new Grou ds	p.	
Security Realms	What would you like to	name your new Group?		
Diagnostics	* Name:	IPMUserGroup		
	How would you like to a	describe the new Group?		
	Description:	User group for IPM		
	Please choose a provid	er for the group.		
How do I	Provider:	DefaultAuthenticator -		
Create groups		DefaultAuthenticator		
Modify groups	OK Cancel			
Delete groups				
Create users				
Manage users and groups				
System Status				
Health of Running Servers				
Failed (0) Critical (0) Overbaaded (0) Warning (0) OK (3)				

5) Login to the Imaging URL http/s:<hostname>:<port>/imaging with admin user

ORACLE WebCenter Content: Imaging	
CRACLE Webcenter content. Imaging	
	Sign In
	User ID
	Password
	Sign In
Copyright (c) 2010, 2013 Oracle and/or its affiliates. All rights reserved.	Privacy Statement

- a. Navigate to Manage Applications
- b. Click on the FLEXCUBE
- c. Then click on the modify on the right pane



ORACLE WebCenter Content:	: Imaging	Logged in as weblogic Help Refresh Preferences Logout About	2
CPRACLE: WebCenter Content: Standos URS_0 Standos Standos	E Imaging FLEXCURE: Application Summary I: General Properties Repaired more Repaired and Repa	tiggefammelinge (hig fafnah (holenom (inged dand	
	II: Application filtery DBM Tot New Trace States Content Discourse Content welling Discourse Content hady welling Discourse		
	a reveal		Privacy Statement

- 6) After clicking on the modify button,
 - a. Navigate to Document Security
 - b. Click on Add button
 - c. Click on Search button in the pop up window
 - d. Select the "IPMUserGroup"
 - e. Click on Add
 - f. IPMUserGroup will be listed in the panel, select view ,write,annotate Standard,Annotate Restricted and Annotate Hidden checkboxes.
 - g. Finally click on the submit button on the right corner

ORACLE [®] WebCenter Content	: Imaging	.sgged in as weblogic Help Refresh Preferences Logout About	Ō
ට මු Searches USER_jD	Great Projects field Delation Applications Security Conservation (Conservations) (Conservation	rights in the repository.	Cancel Back Net Submit
ii ∲ Tools ⊡ ∿ Manage Searches USER_10	Just of Sectors Verse Inter Delas Grant Annotate Annonoate <t< td=""><td></td><td></td></t<>		
E S Hauge Aplications 3	Medication Image: Control of the state o		
E 😨 Manage Inputs E 🛃 Manage Connections E 📴 Manage Security			
Copyright (c) 2010, 2015 Oracle and/or its affiliates. All right	i reserveš.		Privacy Statement



- 7) After clicking on the submit button,
 - a. Navigate to Manage Searches
 - b. Click on the available search (ex: USER_ID in this doc)
 - c. Click on the modify

ORACLE WebCenter Content:	: Imaging					Logged in a	sweblogic Help Ro	efresh F	Preferences Logout #	
Searches	USER_ID: Search Summary								Modify X Delete	Close
요 & Tools 금 식, Manage Searches USER JD	Properties Search Name USER_JD Description Instructions Maximum Search Results 0 Results Formatting									
	Source Application DOCID FLEXCUBE DOCID	Document Cr Date Document Cr	By		Document Batch					
	Conditions Application: FLEXCUBE (Field Opera Document Created Conta Parameters		Value Parameter ·	- Document Creat	ed By)	Conjunction	
	Parameter Name Prompt Text	Operator Te	xt De	ault Value	Picklist	Required	Read Only			1
	Document Created Document Created						,			
	⊡Security									
	Type Security Member	View	Modify	Delete	Grant Access					
	Administrators	×	× .	× .	×					
	🖏 IPMUserGroup	×								
	□ Audit History									
	Date Type 7/2/2014 Definition Create	User Name ARU1								
	7/4/2014 Definition Create 7/4/2014 Definition Modify	weblogic								
🗉 🖻 Manage Applications	7/4/2014 Definition Modify	weblogic								
	7/4/2014 Definition Modify 7/4/2014 Definition Modify	weblogic weblogic								
🗉 📴 Manage Inputs	7/4/2014 Definition Modify 7/4/2014 Definition Modify	weblogic								
Manage Connections	7/4/2014 Definition Modify	weblogic								
🗉 🚧 Manage Security										

- 8) After clicking on the modify button,
 - a. Navigate to Document Security
 - b. Click on Add button
 - c. Click on Search button in the pop up window
 - d. Select the "IPMUserGroup"
 - e. Click on Add
 - f. IPMUserGroup will be listed in the panel; don't select any checkbox except the default view checkbox.
 - g. Finally click on the submit button on the right corner



ORACLE' WebCenter Content	Imaging	Logged in as weblogic Help Refresh Preferences Logout About 🔘
ය ලි Searches USER_ID ය ලි Tools	Properties Results Formatting Conditions Parameter Security Preview and Test Review Settings USER_ID: Search Security Provide search roles are the search select 'Next" when you have finished with search security. @_add _Congress Type Security Member	Cancel Back Negt. Science
B ⊕ Manage Applications B ⊕ Manage Applications B ⊕ Manage Connections B ⊕ Manage Security	Administrators MultierGroup MultierGroup	

9) Copy the FCJJPSProvider.jar to location

<ORACLE_HOME >\user_projects\domains\<domian name>\lib

10) Go to the location - '<ORACLE_HOME>\

user_projects\domains\<Domain_created>\config\fmwconfig'

a. Open 'jps-config.xml' file. Search for '<serviceProviders>' tag and add the following code between '<serviceProviders>' and '</serviceProviders>' tags.

<serviceProvider class="oracle.security.jps.internal.idstore.generic.GenericIdentityStoreProvider" name="custom.generic.provider" type="IDENTITY_STORE"> <description>DB IdentityStore Provider</description> </serviceProvider>

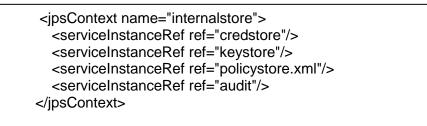
b. Similarly, Search for '<serviceInstances>' tag and add the following code between '<serviceInstances>' and '</serviceInstances>' tags.

<pre><serviceinstance location="dumb" name="idstore.custom" provider="custom.generic.provider"></serviceinstance></pre>
<description>Custom Identity Store Service Instance</description>
<property name="idstore.type" value="CUSTOM"></property>
<property <="" name="ADF_IM_FACTORY_CLASS" pre=""></property>
value="com.ofss.fcc.bpel.security.idm.providers.stddb.FCIdentityStoreFactory"/>
<property name="DATASOURCE_NAME" value="jdbc/fcjdevDS"></property>
<property name="INTERNAL_CONTEXT_REQUIRED" value="true"></property>
<property name="INTERNAL_CONTEXT_NAME" value="internalstore"></property>

Make sure that the JNDI (jdbc/fcjdevDS) matches the value given during property file creation.

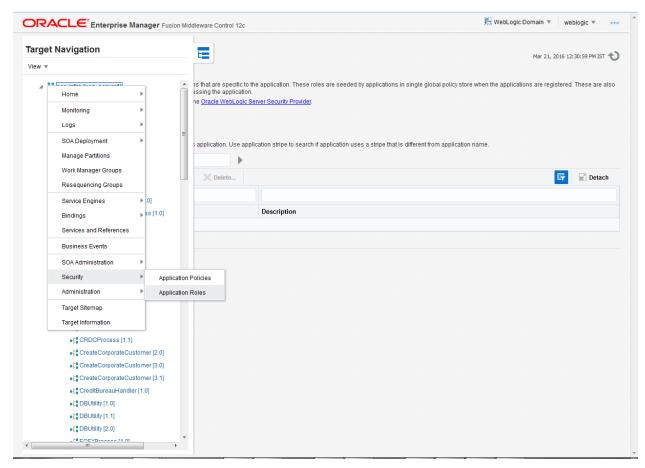


c. Search for '<jpsContexts default="default">' tag and add the following code between '<jpsContexts default="default">' and '</jpsContexts>', preferably after the default 'jpsContext'.



1.2.10 Configuring Superviser Roles in EM

1. Right click on soa-infra. Select security→Application Roles





2. Search the Application Roles with "Starts with" option.

מאור	CLE [®] Ente	erprise Manag	ger Fusion Middle	eware Control 12c	::(C) We	oLogic Domain 🔻	weblogic 🔻	
	SOA Infra	e 🐨				Mar 21, 2/	016 12:30:59 PM I	
nnlica	tion Roles							
plication r	roles are the roles roles that are creat	ed in the context o	of end users acces	ssing the application	he application. These roles are seeded by applications in single global policy store when the appli ever Security Provider.	cations are register	ed. These are al	
Policy S	Store Provider							
Search		ama ta guany rak	a dofined by this	application los opr	lication atting to coardy if application upon a atting that is different from application name			
iter searci				application. Use app	lication stripe to search if application uses a stripe that is different from application name.			
	Role Na	me Starts With	•					
View 💌	🕍 Create	📑 Create Lik	e 🥒 Edit	🗙 Delete 🤇 Se	arch application roles		Detacl	
Role N			Display Name		Description			
	Composer		Composer for the		A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security pol			
default	_Deployer		Composite Deploy	yer for the Default P.				
default	-		Fester for the Defa		A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination o			
-	_ApplicationOperat			tor for the Default Pa	An application operator is responsible for handling customer complaints and making decisions on requests that result in faults in			
default	_Monitor	1	Monitor for the Def	ault Partition	A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition			
	wareOperator	:	SOA MiddleWare (Operator	A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contac			
Middlev	wareAdministrator	:	SOA Middleware A	dministrator	A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always r			
SOAAd	min	:	SOA Admin Role		SOA application admin role, has full privilege for performing any operations including security related			
SOAOp		1	SOA operator Role	•	SOA application operator, for common operational tasks like start, stop, monitor, backups			
SOAMo	nitor	:	SOA Monitor Role		SOA application monitor role, has read-only privileges for monitoring			
SOAAu	ditAdmin	:	BOA Audit Admin F	Role	SOA audit administrator role, can perform audit configuratoin and administration			
SOAAu	ditViewer	:	SOA Audit Viewer I	Role	SOA audit viewer role, can view audit records			
	BPMWorkflowAdmin BPM Workflow System Admin Role		stem Admin Role	BPM Workflow Administrator Application Role				
BPMW	BPMWorkflowCustomize BPM Workflow Customize Role B		stomize Role	BPM Workflow Customize Application Role				
BPMAGAdmin BPM Activity Guide Admin Role B		1	BPM Activity Guide	Admin Role	BPM Activity Guide Administrator Application Role			
	BPMOrganizationAdmin BPM Organization Admin role E		3PM Organization	Admin role	BPM Organization Administrator Application Role			
BPMOr					SOA Designer			

3. Select the SOAAdmin Role and Click on 'Edit option'.

	CLE [®] Enter	rprise Manage	Fusion Midd	leware Control	112c	🔁 WebLogic Domain 👻 weblogic 👻
	SOA Infra					
-	soA intrastructure	*				Mar 21, 2016 12:30:59 PM IST
	tion Roles					
	roles are the roles u roles that are create					e application. These roles are seeded by applications in single global policy store when the applications are registered. These are also
						rver Security Provider.
Policy :	Store Provider					
		me to query roles	defined by this	application U	se appli	cation stripe to search if application uses a stripe that is different from application name.
			-	approximent		
	Role Nam					
View 💌	Create	📑 Create Like.	🖉 Edit	× Delete.		Detach
1			Edit	the selected ap	plication	role
Role	lame	D	isplay Name			Description
	Composer		omposer for the	Default Partiti	on	A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security poli,
	Deployer		omposite Deplo			A deployer is responsible for deploying new applications, upgrading existing applications, and managing the continuous integratio
	Tester		ster for the Def			A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of.
	_ApplicationOperato		oplication Opera		ault Pa	An application operator is responsible for handling customer complaints and making decisions on requests that result in faults in L.
	Monitor		onitor for the De			A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition.
Middle	wareOperator	S	DA MiddleWare	Operator		A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w.
Middle	wareAdministrator	S	OA Middleware	Administrator		A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always resp.
SOAAd	min	50	DA Admin Role			SOA application admin role, has full privilege for performing any operations including security related
SOAOp	erator	s	DA operator Rol	e		SOA application operator, for common operational tasks like start, stop, monitor, backups
SOAMO	onitor	S	DA Monitor Role			SOA application monitor role, has read-only privileges for monitoring
SOAAu	ditAdmin	S	DA Audit Admin	Role		SOA audit administrator role, can perform audit configuratoin and administration
SOAAu	dit√iewer	S	DA Audit Viewer	Role		SOA audit viewer role, can view audit records
BPMW	orkflowAdmin	BI	PM Workflow Sy	stem Admin R	ole	BPM Workflow Administrator Application Role
BPMW	orkflowCustomize	B	PM Workflow Cu	istomize Role		BPM Workflow Customize Application Role
	Admin	B	PM Activity Guide	a Admin Role		BPM Activity Guide Administrator Application Role
BPMAC			PM Organization	Advalation and a		BPM Organization Administrator Application Role
	ganizationAdmin	B	in organization	Adminitole		



4. Click on the ADD button and provide the Type as Group from drop down.

SORACLE Er	nterprise Manager Fusion M	Iliddleware Control 12c		eblogic 2:34:21 PM IST
Edit Application R	Role : SOAAdmin	ne enterprise level and typically used to assign a privilege or permission. A role can also contain other roles as mer		OK Cancel
Application Stripe so	a-infra			
Role Name S(Add Principal			
Display Name SC	Specify criteria to search and se Search	elect the application roles that you want to grant permissions to.		
Description SC pe re		Type Group		
		Principal Name Starts With 💌		
Members		Display Name Starts With 🔻		
An application role may nee View An Add	Searched Principals			
Name	-		/pe	
Administrators	View 💌 📄 Detach		roup	
	Principal No search conducted	Display Name Description		
	No search conduced			
	Advanced Option			
	Check to enter principal na	ame here instead of searching from above. This option can be used for advanced scenarios related to custom auth	enticators.	
			OK Cancel	

5. Provide the principal name as (EX:ALLROLES-000) Param_val which is mapped to the OR_ADMINROLE in the cstb_param table and search the role.Click on ok.

ORACLE Er	nterprise Manager Fusion N	liddleware Control 12c		WebLogic Domain 👻 weblogic 👻 🚥
te f soa-infra o H SOA Infrastruct	ture 👻			Mar 21, 2016 12:34:21 PM IST 🍤
Edit Application R	ole : SOAAdmin			OK Cancel
	the group of users designed at th	e enterprise level and typical	y used to assign a privilege or permission. A role can also contain o	ther roles as members.
General				
Application Stripe so				
Role Name SC	Add Principal			
Display Name SC	Specify criteria to search and se Search	elect the application roles that	you want to grant permissions to.	
Description S(- Search			
pe		Type Group	-	
		Principal Name Starts V	Vith VILLROLES-000	
Members An application role may nee		Display Name Starts V	Vith 💌	
View - Add	Searched Principals		Search roles	
Name	View v Detach			/pe
Administrators	Principal	Display Name	Description	roup
	ALLROLES-000		ALLROLES-000	
	Advanced Option			
	Check to enter principal na	ame here instead of searchin	g from above. This option can be used for advanced scenarios relate	ed to custom authenticators.
				OK Cancel
0.184.133.168:7401/em/faces/as	s/security/editAppRole?type=orac	le soainfra⌖=/Domain :		

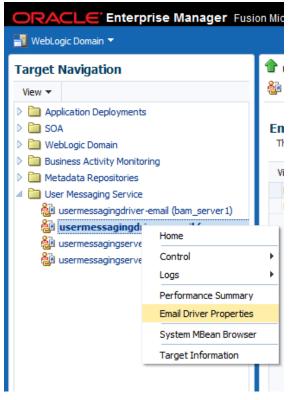


6. Click Ok .

1.2.11 Email Driver Configuration

The Following set of instructions can be followed if the BPEL need to be configured with Email Driver configurations

- 1. Login to EM console
- 2. Navigate to User Messaging Service
- 3. Right click usermessagingdriver-email (soa_server1)
- 4. Click on Email Driver Properties



- 5. .Enter the sender Address and default sender address (This id will be used as sender address).
- 6. .Enter the supported protocols (SMTP)



CRACLE Enterprise Manager Fus WebLogic Domain	ion Middleware Control 12c	🔬 weblogic 🔻 🔘
Target Navigation	👕 usermessagingdriver-email 🔞 🍪 User Messaging Email Driver ▼	Logged in as weblogicl 📃 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:09:57 AM IST 💍
P Deplication Deployments D Deployments D Deployments WebLogic Domain Dusiness Activity Monitoring	Edit Driver Properties	OK Cancel
Comparing the end of the end	Name FCUBS121 Driver Type Liser Messaging Email Driver © Domain Configuration Level Custer Custer Varie Supported Delivery Types EMAIL Capability SEND, RECEIVE Supported Content Types Supported Content Types DELIVERY, TO_GATEWAY_SUCCESS, DELIVERY, TO_GATEWAY_SUCCESS, DELIVERY, TO_GATEWAY_SUCCESS, DELIVERY, TO_GATEWAY_SUCCESS, USER_REPLY_AORNOWLEDGEMENT_FAILURE	Supported Carriers Sender Addresse Supports Cancel Supports Cancel Supports Cancel Supports Status Polling Supports Addresse Supports Addresse Supports Addresse Supports Cancel

7. Select the mail access protocol (IMAP) as per the mail server specification

Driver-Specific Configura	tion				
Name	Description	Mandatory	Encoded Credential	Value	
E-mail Receiving Protocol	E-mail receiving protocol. The possible values are IMAP and POP3.			IMAP	^
Connection Retry Limit	This value specifies the number of times to retry connecting to the incoming mail server, if the connection is lost due to some reason. The default value is -1 which means no limit to the number of tries.			-1	m
Message Cleanup Frequency	The frequency to permanently remove deleted messages. The unit is in seconds and the default value is 600 seconds. A negative value indicates the messages should not be expunged. For the POP3 protocol, the message is expunged after it is processed.			600	
	Whether the driver should mark the messages deleted after they have been				-

- 8. Enter the Receive folder in the mailbox (INBOX)
- 9. Enter the Outgoing mail server hostname or IP
- 10. .Enter the outgoing mail server port
- 11. .Enter the outgoing default from address
- 12. Enter the Outgoing user name and password if required



Driver-Specific Configurat	tion				
Name	Description	Mandatory	Encoded Credential	Value	
Outgoing Mail Server	The name of the SMTP server. Mandatory only if e-mail sending is required.			xxxxx	^
Outgoing Mail Server Port	Outgoing Mail Server Port			25	
Outgoing Mail Server Securit	The security used by SMTP server. Possible values are None, TLS and SSL. Default value is None.			None	E
Default From Address	Deprecated. Use Default Sender Address instead. The default FROM address (if one is not provided in the outgoing message).			xxx@xxx.com	
Outgoing Username	The username used for SMTP authentication. Required only if SMTP authentication is supported by the SMTP server.				
	The energy of the CMTD				

13. Navigate to SOA Administration ->Workflow Properties

ORACLE' E	Enterprise Manager Fus	ion Middleware Control 12c	🔢 weblogic 👻 🔘
Target Navigation View ▼ > □ Application Depl		[●] soa-infra	Logged in as weblogic 🗐 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:15:16 AM IST 🖒
 SOA Soa-Infer A' Go default Webt og: Don Dusiness Activ Metadata Reg: West westmessa Usermessa Usermessa Usermessa Usermessa 	Hone Montoring Logs SOLDeployment Manage Partitors Work Manager Groups Service Engines Service Engines Services and References	Hailer Task Information All changes made in this page require a server restart to take effect. Workflow Notification Properties Before configuring the Workflow Notification, configure the Messaging Service Driver. Go to the Messaging Driver page * Notification Mode Email Image: Configure the Messaging Service Driver. Go to the Messaging Driver page * Notification Mode Email Image: Configure the Messaging Service Driver. Go to the Messaging Driver page * Interface Motification Service * Email : Actionable Address ggg@gggg.com * Email : Reply To Address xxxx@xxx.com	
	Businese Events SOA Administration Security Target Information	Common Properties cation Configuration Properties BPEL Properties BPMN Properties Workflow Properties B2B Server Properties Cross References Token Configurations Auto Purge	

14. Select the notification mode as Email/ALL and enter the from address Actionable address and reply to Address.

1.2.12 TimeOut Settings for BPEL

- 1. The Following set of instructions has to be configured for BPEL Login in to Console (http://hostname:port/console)
- 2. Click on Deployments



10.184.135.218:7001/console/co	nsole.portal?_nfpb=true&_pageLabel=HomePage1	⊽ C	8 🔻 Google	م	☆	≜ ┦		=
	rer Administration Console 12c							ç
hange Center	🔒 Home Log Out Preferences 🔤 Record Help	Q		Welcome, ad	min Co	nnected t	o: Alpha	Dom
/iew changes and restarts	Home >AlphaDomain >Summary of Servers >AlphaDo	main >Summary of Servers >Summary of Deployments >soa-infra	>BPELEngineBean					
Configuration editing is enabled. Future	Home Page							
hanges will automatically be activated as yo nodify, add or delete items in this domain.	- Information and Resources							
)omain Structure	Helpful Tools	General Information						
lphaDomain	Configure applications	 Common Administration Task Descriptions 						
-Environment	Configure GridLink for RAC Data Source	Read the documentation						
Servers	Configure a Dynamic Cluster	Ask a question on My Orade Support						
	Recent Task Status							
Machines	 Set your console preferences 							
Virtual Hosts Work Managers	Orade Enterprise Manager							
Startup and Shutdown Classes	- Domain Configurations							
Deployments	Description of the second seco	Constant and	*-t	14 . ·				
E-Services Security Realms	Domain	Services	Interoperabil					
-Interoperability	Domain	Messaging JMS Servers	WTC Servers Jolt Connect	-				
WTC Servers	Ŧ	Store-and-Forward Agents	Joit Connect	00N POOIS				
łow do I	Environment	 MS Modules 						
e data e e e	Servers	Path Services	Diagnostics					
Search the configuration	Clusters	 Paul Services Bridges 	 Log Files 					
Use the Change Center	 Server Templates 		Diagnostic M					
Record WLST Scripts	 Migratable Targets 	Data Sources	 Built-in Diagr 					
Change Console preferences Manage Console extensions	Coherence Clusters	Persistent Stores	Diagnostic In	-				
	Machines	XML Registries	Request Per	formance				
Monitor servers	Virtual Hosts	XML Entity Caches	 Archives 					
	Work Managers Starts in And Shutdown Classes	Foreign JNDI Providers Work Contexts	Context					
iystem Status	Startup And Shutdown Classes		 SNMP 					
lealth of Running Servers		jCOM Mail Sessions						
Failed (0)	Your Deployed Resources		Charts and G					
Critical (0)	Deployments	• FileT3	 Monitoring D)ashboard 🖾				
Overloaded (0)		• <u>JTA</u>						
Warning (0)	Your Application & Security Settings	 OSGi Frameworks 						

3. Click on "soa-infra" application under deployments.



· · · · ·					-		• •
Security Realms -Interoperability	E	Name 🗞	State	Health	Туре	Targets	Deployment Order
	E	Crade.wsm.console.core.view(1.0,12.1.3.0)	Active		Library	AdminServer	311
How do I	E	Crade.wsm.seedpolicies(2.0,12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
Install an enterprise application Configure an enterprise application	E		Active	🖋 ок	Resource Adapter	SOAServer	328
Update (redeploy) an enterprise application Start and stop a deployed enterprise application	E		Installed		Resource Adapter		329
Monitor the modules of an enterprise application		⊡ CradeBPMBACServerApp	Active	🖋 ОК	Enterprise Application	SOAServer	384
Deploy EJB modules Install a Web application		⊡ CradeBPMComposerRolesApp	Active	🖋 ОК	Enterprise Application	SOAServer	382
System Status		⊡ CradeBPMProcessRolesApp	Active	🖋 ок	Enterprise Application	SOAServer	381
Health of Running Servers	E	€ CodeBPMWorkspace	Active	🖋 ок	Enterprise Application	SOAServer	383
Failed (0) Critical (0)	E	erail8n-adf(11,11.1.1.0)	Active		Library	AdminServer, BAMServer, SOAServer	100
Overloaded (0) Warning (0)		nwasp.esapi(2.0, 12. 1. 3)	Active		Library	AdminServer, BAMServer, SOAServer	100
ОК (2)		₩ SAPAdapter	Installed		Resource Adapter		335
		☑ ☐ SimpleApprovalTaskFlow	Active	🖋 ок	Enterprise Application	SOAServer	386
		C Cosa-Infra	Active	🖋 ок	Enterprise Application	SOAServer	350
	E	€ Coso-webapps	Active	🖋 ок	Enterprise Application	SOAServer	360
		ng soa.em	Active		Library	AdminServer	100
		SocketAdapter	Installed		Resource Adapter		326
		state-management-provider-memory-rar-12.1.3	Active	🖋 ок	Resource Adapter	AdminServer, BAMServer, SOAServer	100
	E	UIX(11, 12. 1. 3.0.0)	Active		Library	AdminServer, BAMServer, SOAServer	100

4. Go to EJBs, click on BPELEngineBean \rightarrow Configuration \rightarrow set Transaction TimeOut to 300.

B2BInstanceMessageBean	EJB	
B2BIntegratorBean	EJB	
B2BMetadataUtilityBean	EJB	
B2BStarterBeanWLS	EJB	
B2BUtilityBean	EJB	
BAMActionMDB	EJB	
BeamActionMDB	EJB	
BottleneckDetectionBean	EJB	
BPELActivityManagerBean	EJB	
BPELAudit TraiBean	EJB	
BPELCacheRegistryBean	EJB	
BPELCacheStoreBean	EJB	
BPELClusterBean	EJB	
BPELDeliveryBean	EJB	
BPELDispatcherBean	EJB	
BPELEngineBean	EJB	
BPELFind BPELEngineBean, Level 3, 22 of 106	EJB	
BPELInstanceManagerBean	EJB	
BPELKeyGeneratorBean	EJB	
BPELProcessManagerBean	EJB	
BPELSensorValuesBean	EJB	
BPELServerManagerBean	EJB	
BPELTestInstanceManager	EJB	
BpmAGProcessBrokerServiceBean	EJB	
BpmAppServiceBean	EJB	
BPMDataObjectSecurityService	EJB	
BPMNActivityManagerBean	EJB	
BPMNAuditTrailBean	EJB	
BPMNClusterBean	EJB	



Workflow Task Service Properti × Se	ttings for BPELEngineBean 🗙 🜔	http://ofss222nitFilter=true × 🜔 Connecting	× New Tab × +
@ 10.184.135.218:7001/console/consol	e.portal?_nfpb=true&_pageLabel=EJBCo	mponentConfigurationPage&handle=com.bea.console.handles 🤝 🥰	😢 - Google 👂 🏠 自 🖡 🏫 🚍
Virtual Hosts	Name:	BPELEngineBean	The name of this bean. More Info
Work Managers Startup and Shutdown Classes	Туре:	stateless	The EJB type (session, entity, or message). More Info
Deployments EP-Services	Transaction Type:	Container	The bean's transaction type. More Info
Security Realms D-Interoperability WTC Servers	EJB Class Name:	com.collaxa.cube.engine.ejb.impl.bpel.BPELEngineBean	E38 Class Name More Info
How do I			
Configure Version 2.X EJBs	Initial Beans in Free Pool:	100	The initial number of beans in the free pool. More Info
View deployment status of EJBs Set EJB target servers and dusters Update (redeploy) EJBs Stop EJBs	Max Beans in Free Pool:	1000	The maximum number of beans in the free pool. When an EB has been in the free pool for the number of seconds specified in 14E Theout, and the total number of beans in the free pool approaches the maximum beans in free pool specified in this field, idle beans are removed from the free pool. More Info
System Status	Idle Timeout:	0	The maximum length of time (in seconds) an EJB should remain in the cache or free pool before it is passivated or removed. More Info
Failed (0)	- Enterprise Bean Configuration	I	
Critical (0) Overloaded (0)	Network Access Point:		Custom network channel that the EJB uses for network communications. More Info
Warning (0) OK (2)	Run As Principal Name:		The security principal to be used as the run-as principal for a bean that has security-identity specified in its ejb-jar.xml file. More Info
	Create As Principal Name:		The principal to be used when ejbCreate would otherwise run with an anonymous principal. More Info
	Remove As Principal Name:		The principal to be used when ejbRemove would otherwise run with an anonymous principal. More Info
	Passivate As Principal Name:		The principal to be used when ejbPassivate would otherwise run with an anonymous principal. More Info
	JNDI Name:		The JNDI name of an EJB, resource, or reference in WebLogic Server. More Info
	Local JNDI Name:		The JNDI name for a bean's local Home. More Info
	🚯 Dispatch Policy:		Designates which server execute thread pool the EJB should run in. More Info
	Transaction Timeout:	300	The transaction timeout value, in seconds. More Info
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996.2014, Oracle and/or its affiliates. Oracle is a registered trademark of Oracle Corporati		denarks of their respective owners.	
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5. Go to EJBs→BPEL DeliveryBean→ Configuration→set Transaction TimeOut to 300

B2BUtilityBean	EJB	
BAMActionMDB	EJB	
BeamActionMDB	EJB	
BottleneckDetectionBean	EJB	
BPELActivityManagerBean	EJB	
BPELAuditTraiBean	EJB	
BPELCacheRegistryBean	EJB	
BPELCacheStoreBean	EJB	
BPELClusterBean	EJB	
BPELDeliveryBean	EJB	
BPELDispatch BPELDeliveryBean, Level 3, 20 of 106	EJB	
BPELEngineBean	EJB	
BPELFinderBean	EJB	
BPELInstanceManagerBean	EJB	
BPELKeyGeneratorBean	EJB	
BPELProcessManagerBean	EJB	
BPELSensorValuesBean	EJB	
BPELServerManagerBean	EJB	
BPELTestInstanceManager	EJB	
BpmAGProcessBrokerServiceBean	EJB	
BpmAppServiceBean	EJB	
BPMDataObjectSecurityService	EJB	
BPMNActivityManagerBean	EJB	
BPMNAudit TraiBean	EJB	
BPMNClusterBean	EJB	
BPMNDeliveryBean	EJB	
BPMNDispatcherBean	EJB	
BPMNEngineBean	EJB	
BPMNFinderBean	EJB	



Vew deployment status of LBS Set EBB transformed servers and clusters Update (redeploy) EDS Stop EDBs Idle Timeout: O The maxmum length of the (new pool for the number of basis in the free pool with the pool. More info Idle Timeout: O The maxmum length of the (new pool for the number of basis in the free pool with the pool. More info Idle Timeout: O The maxmum length of the (new pool for the number of basis in the free pool. More info Enterprise Bean Configuration Network Access Point: Ourstoadd (O) Warning (O) Ok (4) Create As Principal Name: The principal to be used when etpRemove would otherwise n with an anonymous principal. More Info Remove As Principal The principal to be used when etpRemove would otherwise n with an anonymous principal. More Info Passivate As Principal The principal to be used when etpRemove would otherwise n with an anonymous principal. More Info Passivate As Principal Mare: The principal to be used and when etpRemove would otherwise n with an anonymous principal. More Info Passivate As Principal Mare: The principal to be used when etpRemove would otherwise n with an anonymous principal. More Info Passivate As Principal Mare: The principal to be used when etpRemove or reference in WebLoop Server: More Info More Info Designates which server execute thread pool the EB should in N. More Info Designates which server execute thread pool the EB should in N. More Info Designates which server execute thread pool the EB should in N. More Info Designates which server execute thread pool the EB should in N. More Info Designates which server execute thread pool the EB should in N. More Info Designates which server execute thread pool the EB should in N. More Info Designates which server execute thread pool the EB should in		Type:	stateless	The EJB type (session, entity, or message). More Info
 Pool Configuration Configuration Initial Beans in Free Pool: 200 The natial number of beans in the free pool. More Info Max Beans in Free Pool: 200 The natial number of beans in the free pool. More Info Max Beans in Free Pool: 200 The natial number of beans in the free pool. More Info Max Beans in Free Pool: 200 The natial number of beans in the free pool. More Info Max Beans in Free Pool: 200 The natial number of beans in the free pool. More Info Max Beans in Free Pool: 200 The natial number of beans in the free pool. More Info Max Beans in Free Pool: 200 The natial number of beans in the free pool. More Info Max Beans in Free Pool: 200 The natial number of beans in the free pool. More Info Max Beans in Free Pool: 200 The nation material free pool. Second in the free pool. More Info Max Beans in Free Pool: 200 The nation material free pool. More Info More Info Max Beans in Free Pool: 200 The nation material free pool. More Info The nation material free pool. More Info The nation material free pool. More Info More Info Max Beans in Free Pool: 200 The nation material free pool. More Info The nation material free pool. More Info Max Beans in Free Pool: 200 The nation material free pool. More Info Max Beans in Free Pool: 200 The nation material free pool. More Info Max Beans in Free Pool: 200 The nation material free pool. More Info Max Beans in Free Pool: 200 The principal to be used when eightenove would otherwise in with an anterprince of the Info More Info <		Transaction Type:	Container	The bean's transaction type. More Info
tow do L Initial Beans in Free Pool: 200 The intial number of beans in the free pool. More Info • ondgue Version 2.X Elis Wew deployment status of Elis The maxmum number of beans in the free pool. More Info • Stop Elis Initial Beans in Free Pool: 200 The maxmum number of beans in the free pool. More Info • Stop Elis Initial Beans in Free Pool: 200 The maxmum number of beans in the free pool. More Info • Stop Elis Information The maxmum number of beans in the free pool. More Info • Stop Elis Information The maxmum length of the (in seconds) apecides in the second of the number of second second approaches the maxmum length of the (in seconds) and Elis should remain in the cache of the pool. More Info • Stop Elis Ide Timeout: 0 The maxmum length of the (in seconds) apecides in the pool. More Info • Status • Status • Enterprise Bean Configuration Enterprise Bean Configuration • Enterprise Bean Configuration Custom network channel that the Elis uses for network communicators. More Info • Warning (i) Ox (ci) Create As Principal Name: Custom network channel that the security denth specified in its elisian and information enterprise. • Remove As Principal Name: The principal to be used when elifection to seles and the maxmum unpower of mone Info • Nore			com.collaxa.cube.engine.ejb.impl.bpel.BPELDeliveryBean	EJB Class Name More Info
Initial Beans in Free Pool: 200 The initial number of beans in the free pool. More Info Configure Version 2.X EBS Nax Beans in Free Pool: 200 The maximum number of beans in the free pool. More Info Stat EB target servers and clusters Update (redeploy) EBS The maximum number of beans in the free pool. More Info Stop EBS Inftail Beans in Free Pool: 000 The maximum number of beans in the free pool. More Info Version EDS Inftail Beans in Free Pool: 000 The maximum number of beans in the free pool. More Info Version EDS Inftail Beans in Free Pool: 000 The maximum number of beans in the free pool. More Info Version EDS Inftail Beans in Free Pool: 000 The maximum number of beans in the free pool. More Info Version EDS Inftail Beans in Free Pool: 000 The maximum number of beans in the free pool. More Info Version EDS Inftail Beans in Free Pool: 000 The maximum number of beans in the free pool. More Info Version EDS Info. Enterprise Bean Configuration Custom network channel that the EDE use for network communications. More Info The excurtry principal to be used as the nunas principal fragmer in feas		— Pool Configuration ——		
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Idle Timeout: 0 The maxmum length of the (in seconds) an EB should remain the cache of the gool before it is passivated or removed. More info rstem Status — …	View deployment status of EJBs Set EJB target servers and clusters Update (redeploy) EJBs	Max Beans in Free Pool:	1000	The maximum number of beans in the free pool. When an EBB has been in the free pool for the number of seconds specified in Idle Timeout, and the total number of beans in the free pool approaches the maximum beans in free pool specified in this field, idle beans are removed from the free pool. Specified in this
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in. More Info		Local JNDI Name:		The JNDI name for a bean's local Home. More Info
Transaction Timeout: 1000 The transaction timeout value, in seconds, More Info		👩 Dispatch Policy:		Designates which server execute thread pool the EJB should run in. More Info
1800		Transaction Timeout:	1800	The transaction timeout value, in seconds. More Info

- 6. Login in to Console \rightarrow JTA
- 7. Set the JTA timeout according to the below condition. Make sure BPELEngineBean + BPELDeliveryBean is <= JTA timeout(e.g. 300+300<=600)



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	ministration Console 12c		Q	Â
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: dev_domain	
View changes and restarts	${\sf Home} > {\sf Summary of Deployments} > dev_domain$			
Configuration editing is enabled. Future	Settings for dev_domain			
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Monitoring Control Security Web Security	ervice Security Notes		
Domain Structure	General JTA JPA EJBs Web Applications Logging	Log Filters		
dev_domain	Save			
Deployments Services Security Realms Hoteroperability	Use this page to define the Java Transaction API (JTA) confi	guration of this WebLogic Server dom	an.	
⊕ - Diagnostics	Timeout Seconds:	3600	Specifies the maximum amount of time, in seconds, an active transaction is allowed to be in the first phase of a two-phase commit transaction. If the specified amount of time expires, the transaction is automatically rolled back. More Info	E
	Abandon Timeout Seconds:	86400	Specifies the maximum amount of time, in seconds, a transaction manager persists in attempting to complete the second phase of a two-phase commit transaction. Hore Info	
How do I 🖂 • Configure domain JTA options	Before Completion Iteration Limit:	10	The maximum number of cycles that the transaction manager performs the beforeCompletion synchronization callback for this WebLogic Server domain. More Info	
Configure advanced domain JTA options	Max Transactions:	10000	The maximum number of simultaneous in-progress transactions allowed on a server in this WebLogic Server domain. More Info	
System Status Health of Running Servers	Max Unique Name Statistics:	1000	The maximum number of unique transaction names for which statistics are maintained. More Info	
Failed (0) Critical (0) Overloaded (0)	Checkpoint Interval Seconds:	300	The interval at which the transaction manager creates a new transaction log file and checks all old transaction log files to see if they are ready to be deleted. More Info	
Warning (0) OK (4)	Write recovery logs when determiners configured		Indicates two-phase transaction recovery logs are written even if one or more determiners are configured. More Info	
	Determiners:		Specifies a list of one or more transaction resources (determiners) separated by ine breaks. A determiner's in-doubt transaction records are used during transaction recovery when a TLog is not present. More Info	
	☑ Forget Heuristics		Specifies whether the transaction manager automatically performs an XA Resource forget operation for heuristic transaction completions. More Info	

Login in to EM console (http://host:port/em)→SOA adminstration→BPEL
 Properties→MoreConfigpropeties→ SyncMaxWaitTime.Change the SyncMaxWaitTime to 200 secs



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배월 BPELC/ Work Manager Groups 배월 BPELC/ Resequencing Groups 배월 BPELC/ Service Findings	Default Query Duration Last 24 Hours () Auto Purge Enabled ()	drill down. 🚳 Wit
Mage Service Engines ▶	Composites and Adapters Availability SOA Runtime Health	
eligo CloseF Business Events	SOAServer 💌	Composite
BY Administration Common Properties	☆ soa-infra (SOAServer) ✓ No Composite Start-Up Errors	Sensor Na
Administration BPMN Properties Black Credit: Target Information Mediator Properties	Initialized Successfully Vio EIS Connectivity Errors	
CRPClosureProcess [1.0] Workflow Properties	✓ All Composites are UP	
High CreProcess [2:0] B2B Server Properties CreProcess [2:0] Cross References CurrentAccountCreationWithCreditFacility Token Configurations	All adapter service endpoints are UP System Backlogs	
Horizon Auto Purge Horizon DisburseFCUBSORRetailLoanContract [1.0]	Last* 24 Hours 💌 🍓	
Image: Process [1.0]	Refresh region to show the latest data.	
InitiateFCUBSORRetail.oanPayment [1.0] InitiateFCUBSORRetail.oanPayment [1.0]	Messages in Queues: BPEL Invoke	
InitiateRetail.oanContractFCUBSORService [1.0] InitiateRetail.oanPaymentFCUBSORService [1.0] InitiateRetail.oanPaymentFCUBSORService [1.0]	BPEL Callback Mediator Parallel Routing	
해있 KYCCheck [2.0] 여입 KYCCorporateReview [2.0] 여입 KYCReview [2.0]		
InitReview [1:0] InitReview [1:0] InitReview [1:0]		
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 Application Deployments SOA 4 器 soa-infra (SOAServer) 		The d		not managed by the configuration session. The changes will be applied im	mediately.	. You cannot undo the chang
4 🔞 default		Show	MBean Information			
କ୍ଷ୍ମି AmendFCUBSORNFRetailLoanContract [1.0] କ୍ଷ୍ମି AmendFCUBSORRetailLoanContract [1.0]		Attributes	Operations Notifications			
Ma AmendecubsukketailloanContract [1.0]		Name		Description	Access	Value
Will BIPUtility [1.0]		er corge	o comenci ni conora	a separate location from the rest of the instance scope data		
BPELCOLLATProcess [1.0]				specify the number of invoke messages that can be kept in the in-memory cache, once the engine hits this limit, it would push the		
BPELCRPClosureProcess [1.0]		22 Maxin	numNumberOfInvokeMessagesIr	message to dispatcher in-memory cache, instead it would save the	RW	100000
BPELCRPProcess [1.0]				message in the db and these saved messages can be recovered using		
Contraction of the second seco				recovery job, you can use value -1 to disable This value specifies the maximum number of times an invoke or callback		
He BPELLimitReview [1.0]		23 MaxR	ecoverAttempt	or activity will be recovered	RW	2
e CIBLProcess [1.0]		24 MinBP	CI Walk	The minimum time duration for BPEL to do a real wait that involves a	RW	2
ଖାରୁ CloseFCUBSORRetailLoanContract [1.0] ଖାରୁ CloseRetailLoanContractFCUBSORService [1.0]	=			dehydration		
		25 objec		The MBean's unique JMX name	R	oracle.as.soainfra.config:r
CRDCProcess [1.0]		26 Onev	/ayDeliveryPolicy	Changes whether the one-way invocation messages are delivered	RW	async.persist
CreditBureauBPEL [1.0]		27 Qualit	yOfService	flag to enable or disable coherence cache for bpel service engine. use CacheEnabled for enabling coherence.	RW	DirectWrite
CreditBureauHandler [1.0]		20 A.1	vOfServiceAuditStorePolicvUse	flag to enable or disable coherence carbe for boel service engine when	RW	false
CRPClosureProcess [1.0]		28 Quain	yOrServiceAuditStorePolicyUseL	auditStorePolicy is set to async	RW	Taise
GRPProcess [1.0]		29 Qualit	yOfServiceOneWayDeliveryPoli	flag to enable or disable coherence cache for bpel service engine when oneWayDeliveryPolicy is set to async	RW	false
Ha CRPProcess [2.0]		30 Read	Only	If true, it indicates that this MBean is a read only MBean.	R	false
CurrentAccountCreationWithCreditFadity [1.0]			/eryConfig	Recovery Configuration	RW	javax.management.openn
BBUtility [1.0]		32 Recur	ringMaxMessageRaiseSize	Number of messages to recover during recurring recovery	RW	50
ଖିଲ୍ଲି DBUtility [2.0] ଖିଲ୍ଲି DisburseFCUBSORRetailLoanContract [1.0]		33 Resta	rtNeeded	Indicates whether a restart is needed.	R	false
에a DisburseFCUBSORRetailLoanContract [1.0] 에네 EOFXProcess [1.0]		34 Spect	Compliance	Sets how the implementation is compliant to the spec	RW	suggest
We EXPNProcess [1.0]		35 Start	upMaxMessageRaiseSize	Number of messages to recover during startup recovery	RW	50
ExternalValuation [2.0]		36 Stats	.astN	The size of the "most recently processed" request list	RW	-1
a InitiateFCUBSORRetail.oanPayment [1.0]		37 Sund	1axWaitTime	The maximum time a request/response operation will take before it	RW	45
Q InitiateKYCCheckFCUBSORService [1.0]		<u> </u>		times out. The default value is 45 seconds.		
InitiateRetailLoanContractFCUBSORService [1.0]		38 Syste	mMBean	If true, it indicates that this MBean is a System MBean. If set to "true" the engine will apply schema validation for incoming and	R	false
InitiateRetailLoanPaymentFCUBSORService [1.0]		39 Valida	teXML	If set to "true" the engine will apply schema validation for incoming and outgoing xml documents. The default value "false".	RW	false
InitiateRiskEvaluationFCUBSORService [1.0]		40 Versio	n	version of the config file	R	11.1.0
He KYCCheck [2.0]		41 Visible		If true, it indicates that this MBean is visible to current user.	R	true
KYCCorporateReview [2.0]	-	•		m		



1.3 Integrating Oracle FLEXCUBE UBS and Scheduler

Before deploying the Oracle FLEXCUBE UBS EAR file, you need to carry out the following tasks.

1.3.1 Running Backend Scripts

You need to compile certain tables pertaining to Scheduler in the schema to which the Application points. The version of Quartz to be used is Latest Qualified Version.

Follow the steps given below:

- 1. Download Quartz Latest Qualified Version.gz file from the following URL: http://www.guartz-scheduler.org/download/download-catalog.html
- 1. Extract the gz file.
- 2. Open the folder 'Quartz-Latest Qualified Version \docs\dbTables' folder and run 'tables_oracle.sql' (this is specific to Oracle Database) in the schema.

For details on latest version of the software qualified with Oracle FLEXCUBE, refer to the release certificate.

1.4 Integrating Oracle FLEXCUBE UBS and BIP Reports

You can integrate Oracle FLEXCUBE UBS and BIP reports. The details are available in the chapter 'BIP Web Service Reports'.

1.4.1 Deploying Application Through Application Server's Admin Console

Deployment from Weblogic Administration Console

You can find the details pertaining to the deployment of Application using Weblogic Administration Console in the chapter 'Deploying Oracle FLEXCUBE Application on Weblogic'.

1.5 Integrating Oracle FLEXCUBE UBS and MBean

In order to integrate Oracle FLEXCUBE UBS and MBean, you need to follow the below steps before deploying the Oracle FLEXCUBE UBS EAR file created with MBean as a Plugin.

1.5.1 Startup Script Modification

By default, the TopLink used in MBean uses Oracle xml parser internally. However, Weblogic Server has to use JAXPlatform.

To change the system property, follow the steps given below:

- 1. Go to the Weblogic domain home folder.
 - c) Based on the operating system used, open 'startWeblogic.cmd' or 'startWeblogic.sh' from the folder 'bin'.



 d) Search for 'WLS_REDIRECT_LOG'. After '%JAVA_OPTIONS%' add the following code under 'if' and 'else' conditions.

"-Dtoplink.xml.platform=oracle.toplink.platform.xml.jaxp.JAXPPlatform"

Now, the details will look like this:

```
if "%WLS REDIRECT LOG%"=="" (
   echo Starting WLS with line:
   echo %JAVA HOME%\bin\java %JAVA VM% %MEM ARGS% -
Dweblogic.Name=%SERVER NAME% -
Djava.security.policy=%WL HOME%\server\lib\weblogic.policy
%JAVA OPTIONS% %PROXY SETTINGS% %SERVER CLASS%
   %JAVA_HOME%\bin\java %JAVA_VM% %MEM_ARGS% -
Dweblogic.Name=%SERVER NAME% -
Djava.security.policy=%WL HOME%\server\lib\weblogic.policy
%JAVA OPTIONS% -
Dtoplink.xml.platform=oracle.toplink.platform.xml.jaxp.JAXPPlatform
%PROXY SETTINGS% %SERVER CLASS%
) else (
   echo Redirecting output from WLS window to %WLS REDIRECT LOG%
   %JAVA HOME%\bin\java %JAVA VM% %MEM ARGS% -
Dweblogic.Name=%SERVER NAME% -
Djava.security.policy=%WL HOME%\server\lib\weblogic.policy
%JAVA_OPTIONS% -
```

```
Dtoplink.xml.platform=oracle.toplink.platform.xml.jaxp.JAXPPlatform
%PROXY_SETTINGS% %SERVER_CLASS% >"%WLS_REDIRECT_LOG%" 2>&1
```

)

e) Restart the Weblogic server.





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