Setting up Plug-Ins Oracle FLEXCUBE Universal Banking Release 14.0.0.0 [February] [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.

	Iministration 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						
Dev 120 1_domain &F Environment + Opelpoyments &F-Services + Security Realms &F-Interoperability &F-Diagnostics	Configure applications Configure applications Configure a Dynamic Cluster Recent Task Status Set your conside preferences Oracle Enterprise Manager	Common Administration Task Descriptions Read the documentation Ask a question on My Oracle Support						
	- Domain Configurations							
	Domain	Services	Interoperability					
	• Domain	Messaging JMS Servers	WTC Servers Jolt Connection Pools					
How do L	Environment	Store-and-Forward Agents JMS Modules						
Search the configuration	Servers	JMS Modules Path Services	Diagnostics					
Search the configuration Use the Change Center	Clusters Server Templates	 Paul Services Bridges 	Log Files					
Record WLST Scripts	 Server remplates Migratable Targets 	Data Sources	Diagnostic Modules Built-in Diagnostic Modules					
Change Console preferences	Coherence Clusters	Persistent Stores	Diagnostic Images					
Manage Console extensions	Machines	XML Registries	Request Performance					
Monitor servers	Virtual Hosts	XML Entity Caches	Archives					
	Work Managers	 Foreign JNDI Providers 	Context					
System Status	Startup And Shutdown Classes	Work Contexts	SNMP					
Health of Running Servers		• jCOM						
-	Your Deployed Resources	Mail Sessions	Charts and Graphs					
Failed (0) Critical (0)	Deployments	FieT3	Monitoring Dashboard					
Overloaded (0)		• JTA						
Warning (0)	Your Application's Security Settings	OSGi Frameworks						
OK (3)	Security Realms							
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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.

DRACLE WebLogic Server Ad	vinietration Conecla 10c		
	Home Log Out Preferences Record Help		Welcome, weblogic Connected to: soa_server
ange Center	Home Log Out Preferences Record Help		welcome, weblogic Connected to: soa_server
ew changes and restarts			
pending changes exist. Click the Release figuration button to allow others to edit the main.	Settings for myrealm Configuration Users and Groups Roles and Policies Credential Mappings	Providers Migration	
Lock & Edit Release Configuration	Authentication Password Validation Authorization Adjudication Role M	apping Auditing Credential Mapping Certification Path	
main Structure server_bpel Domain Partitions Environment Deployments Services	An Authentication provider allows WebLauc Server to establish trust by validating Different types of Authentication providers are designed to access different data st Customize this table Authentication Providers	uger. You must have one Authentication provider in a security realm, and you can configure multipl pres, such as LDAP servers or DBMS.	e Authentication providers in a security realm.
Security Realms Interoperability Diagnostics	New Delete Reprier		Showing 1 to 4 of 4 Previous Net
-	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 I 🗉	DefaultIdentityAsserter	WebLogic Identity Assertion provider	1.0
Configure authentication and identity assertion providers	New Delete Reorder		Showing 1 to 4 of 4 Previous Ner
Configure the Password Validation provider			
Manage security providers Set the JAAS control flag			
Re-order authentication providers			
stem Status 🖂			
alth of Running Servers as of 6:37 AM			
Failed (0) Critical (0) Overloaded (0) Warning (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 Prefere	ences 🐼 Record Help	Q	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Securit	y Realms >myrealm >Providers >FCJCustomPro	vider > Providers	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Authentica OK Cancel	tion Provider		
Domain Structure	Create a new Authent	ication Provider		
Dev 120 1_domain	The following properties w * Indicates required fields	vill be used to identify your new Authentication	in Provider.	
····Security Realms ⊡ Interoperability	The name of the authentic	ation provider.		
Diagnostics	* Name:	FCJCustomProvider		
	This is the type of authent	cation provider you wish to create.		
	Туре:	FCUBSUserAuthenticator	•	
How do I	OK Cancel			
Manage security providers				
Configure Authentication and Identity Assertion providers				
System Status 🖂				
Health of Running Servers				
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (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.

WebLogic Server Ad	anninistration consol	6 120								
Change Center	Home Log Out	Preferences 🔤 F	Record Help	٩				١	Velcome, weblo	gic Connected to: Dev1201_doma
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers >FCJCustomProvider >Providers									
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	anges wil automatically be activated as you of Create operation canceled - no Authentication Providers created.									
Domain Structure	Settings for myre	ealm								
Dev1201 domain	Configuration L	Jsers and Groups	Roles and Policies	Credential Mapping	Providers	Migratio	n			
Environment Deployments	Authentication	Password Validat	ion Authorization	Adjudication F	ole Mapping	Auditing	Credential Mapping	Certification Path	Keystores	
⊕-Services i-Security Realms ⊕-Interoperability ⊕-Diagnostics	providers in a se	curity realm. Differen rovider that allows y s table	nt types of Authenti		esigned to acce	ss differen	t data stores, such a			n configure multiple Authentication onfigure a Realm Adapter
	New Delet	e Reorder							S	howing 1 to 4 of 4 Previous Next
How do I 🗉	🔲 Name			D	scription					Version
 Configure Authentication and Identity Assertion providers 	FCJCustom	Provider		Au	thentication pro	vider for FL	EXCUBE users			FCUBS 12.1
Configure the Password Validation provider	Trust Servi	ce Identity Asserter		Tri	st Service Iden	ity Assertio	on Provider			1.0
Manage security providers	DefaultAut	henticator		W	bLogic Authent	cation Prov	vider			1.0
 Set the JAAS control flag 	DefaultIder	ntityAsserter		W	bLogic Identity	Assertion p	orovider			1.0
Re-order Authentication providers	New Delet	e Reorder							s	howing 1 to 4 of 4 Previous Next
System Status 🛛										
Health of Running Servers										
Faled (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. All										



	dministration Console 12c	Q
Change Center	🟦 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home > Summary of Security Realms > myrealm > Providers > FCJCustomProvider > 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	
Dev 2012, domain → Environment → Deployments → Services → Ser	You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter 1 Select authenticator (s) in the list and use arrows to move them up and down in the list.	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.

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

	dministration Console 12c		Q					
Change Center	Home Log Out Preference	ces 🔤 Record Help	Welcome, weblogic Connected to: Dev1201_domain					
View changes and restarts	Home >Summary of Security F	Home >Summary of Security Realms >myrealm >Providers >FCICustomProvider >Providers >FCICustomProvider						
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for FCJCustomPro	Settings for FC/CustomProvider						
modify, add or delete items in this domain.	Configuration							
Domain Structure	Common Provider Specif	fic						
Dev1201_domain Brenvironment	Save							
Deployments Services	This page allows you to defi	ine the general configuration of this provider.						
Security Realms El-Interoperability	🏀 Name:	FC3CustomProvider						
B Diagnostics	1 Description:	Authentication provider for FLEXCUBE users						
	신 Version:	FCUBS 12.1						
	🥌 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)								
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		ay 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	٩	Welcome, weblogic Connected to: Dev1201_domain				
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers >FCJCustomProvider >FCJCustomProvider						
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for FCJCustomProvider						
modify, add or delete items in this domain.	Configuration						
Domain Structure	Common Provider Specific						
Dev1201_domain B -Environment	Save						
Deployments Services	This page allows you to configure additional attribute	s for this security provider.					
Security Realms	🗐 街 Ldap SSLEnabled						
i≟-Diagnostics	6 Authentication Type:	MSAD 💌					
	👸 Ldap Domain Name:	OFSS.COM					
	E Security Authentication Type:	simple -					
How do I 🕒	🎉 Ldap Server Ip And Port:	localhost389					
No task help found.	External Password Required						
System Status	👸 Ldap Server Time Out Duration:	0					
Failed (0)	🗐 🎼 Msad Or Ldap Login Required						
Critical (0) Overloaded (0)	🏀 JNDIName:	jdbc/fcjdevDS					
Warning (0) OK (3)	Save						
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al	I rights reserved. n and/or its affiliates. Other names may be trademarks of their re						

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:ldap-server-time-out-duration>0</n1:ldap-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)

./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.





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 >"/>

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	Common Administration Flask Descriptions Read the documentation					
Environment	Configure a Dynamic Cluster	Ask a guestion on My Orade Support					
Deployments	Recent Task Status	 Make question on my oracle support 					
Services Security Realms	Set your console preferences						
Interoperability	Oracle Enterprise Manager						
Diagnostics	Orade Enterprise Manager						
	- Domain Configurations						
	Domain	Resource Group Templates	Interoperability				
	• Domain	Resource Group Templates	WTC Servers Jolt Connection Pools				
	Domain Partitions	Resource Groups					
How do L	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 ^図 				
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.

0							
ORACLE WebLogic Server A	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 Servers >Summary of Security Real	ms >myrealm >Providers >FCUBS >Summary of Security Re	alms >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 A security realm is a container for the mechanisms-including users, groups, security roles, security policies, and security providers-that are used to protect WebLogic resources. You can have me							
Domain Structure	active security realms in a WebLogic Server domain,	but only one can be set as the default security realm, wh	nich is reserved for domain administrative purposes.				
soa_domain Domain Partitions Deployments Deployments Defloyments	This Security Realms page lists each security realm the security realm the security realm the stable security realm the stable security realm security realm the stable security realm securit	hat has been configured in this WebLogic Server domain.	Click the name of the realm to explore and configure that realm.				
Security Realms	Realms (Filtered - More Columns Exist)						
 Interoperability 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 >Summary of Security Realms >myrealm >Providers >FCUBS >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm								
onfiguration editing is enabled. Future	Settings for myrealm								
hanges will automatically be activated as you odify, add or delete items in this domain.	Configuration Users and Groups Roles and			icies Credentia	l 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	Save Use this page to configure the general behavior of this security realm. Note: If you are implementing security using JACC (Java Authorization Contract for Containers as defined in JSR 115), you must use the DD Only security model. Other WebLogic Server models are not available and the security functions for Web applications and EBs in the Administration Console are disabled.								
	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	Authorization providers to				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		aldating a user. You must have one Authentication provider in a security realm, an are designed to access different data stores, such as LDAP servers or DBMS.	
	Name	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

	dministration Console	12c	
Change Center	Home Log Out F	references 🖉 Record Help	Welcome, weblogic Connected to: soa_dom
View changes and restarts	Home >FCUBS >Sun	mary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary	ary 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.	Create a New Autho	ntication Provider	
Domain Structure	Create a new Au	thentication Provider	
soa_domain		rties will be used to identify your new Authentication Provider.	
Services Security Realms	The name of the aut	hentication provider.	
Enteroperability Diagnostics	* Name:	ENTITYID	
How do I	Type:	FCUBSUserAuthenticator	
Manage security providers			
Configure Authentication and Identity Assertion providers			
System Status			
Health of Running Servers			
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)			
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7. Click on Reorder. Bring the Authenticatiorprovider to the first in the order and click ok.

	dministration Console 12c		Ç
Change Center	î Home Log Out Preferences 🔛 Record Help	Q	Welcome, weblogic Connected to: soa_doma
View changes and restarts	Home >FCUBS >Summary of Security Realms >myrealm >Summ	nary 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 HP: Tomain Partitons HP: Environment HP: Converse HP: Services HP: Services HP: Services HP: Interoperability HP: Diagnostics	You can reorder your Authentication Providers using the list Select authenticator(s) in the list and use arrows to move the Calubratic Available: Valiable: Trust Service Identity Assee DefaultAuthenticator DefaultIdentityAsserter Select Authenticator		s, you can alter the authentication sequence.
How do I Re-order Authentication providers • Set the JAAS control flag	OK Cancel		
System Status			
Health of Running Servers Failed (0) Ortical (0) Overloaded (0) Warning (0) OK (3)			
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8. Click the Provider that we have created.

Change Center	Hom	💼 Home Log Out Preferences 🔤 Record Help								Welcome, weblogi	c Connected to: soa_dom
View changes and restarts	Home >	Home >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Prov								's	
Configuration editing is enabled. Future	Settings	Settings for myrealm									
changes will automatically be activated as you modify, add or delete items in this domain.	Configu	uration Us	ers and Groups	Roles and Policies	Credential Mappir	igs Provider	s Migratio	n			
Domain Structure	Authe	entication	Password Valida	ion Authorization	n Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path		
sea_domain © Domain Partitons B Environment — Deployments — Services — Securices — Security Realms @ Intercept ability B Diagnostics	provid	ders in a secu omize this t entication P	rity realm. Differe ta ble						provider in a security re s LDAP servers or DBM	s.	ure multiple Authentication
		Name			1	Description					Version
	. 🗆 e	ENTITYID				Authentication pr	ovider for Fl	LEXCUBE users	1	FCUBS 12.2	
How do I 🗉) 🔳 F	FCUBS				uthentication pr	ovider for Fl	LEXCUBE users	1	FCUBS 12.2	
Configure Authentication and Identity	1	Trust Service	Identity Asserter		1	Trust Service Identity Assertion Provider					1.0
Assertion providers		DefaultAuthe	nticator		١	WebLogic Authentication Provider					1.0
Configure the Password Validation provider		DefaultIdenti	tyAsserter		١	VebLogic Identit	y Assertion p	provider		1.0	
Manage security providers Set the JAAS control flag Re-order Authentication providers	New	v Delete	Reorder							Showing	1 to 5 of 5 Previous Next
System Status											
Failed (0) Critical (0) Overloaded (0) Warning (0)											

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

	Iministration Console 12c								
Change Center	Home Log Out Preferences	😰 Home Log Out Preferences 🖾 Record Help							
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								
moury, add or delete items in this domain.									
Domain Structure	Common Provider Specific								
soa_domain Domain Partitions Drenvironment	Save								
Deployments	This page allows you to define	the general configuration of this provider.							
Services Security Realms	🚯 Name:	ENTITYID							
⊕ Interoperability ⊡ Diagnostics	Bescription: Authentication provider for FLEXCUBE users								
	億 Version:								
	🚝 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 >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								
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									
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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_dom						
View changes and restarts	Home > Summary of Security Realma > myrealm > Summary of Security Realma > myrealm > Providera > ENTITYID > Provid								
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 -Drowinonment -Deployments	Save This page allows you to configure additional attributes for this s	ecurity provider.							
Services Security Realms Difference interoperability	🕂 Ldap Server Ip And Port:	localhost389							
Diagnostics	🛃 JNDIName:	jdbc/fcjdevDS							
	External Password Required								
	🛃 Ldap Server Time Out Duration:	0							
How do I	🕑 🖑 Multi Entity Enabled								
No task help found.	E Security Authentication Type:	simple 💌							
System Status									
Health 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								
	E Authentication Type:	MSAD 💌							
	Save								
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, 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 their respective or	iners.							

- 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	🏦 Home Log Out Preferences 🔝 Record Help									
View changes and restarts		Home >Summary of Deployments								
Configuration editing is enabled. Future	Summary of Deployments Control Monitoring									
changes will automatically be activated as you modify, add or delete items in this domain.										
Ormain Structure 9: Environment - Deployments 9: Services Security Realms 9: Interoperability 9: Deponents		(redeplo	e displays a let of Java EE applications and stand-alone application modules that have been in yed), or deleted from the domain by first selecting the application name and using the controls I a new application or module for deployment to targets in this domain, dick the Install button. size this table ments	s on this pag		nstalled application	ns and modules can be starte	d, stopped, updated		
		Install	Update Delete Start ~ Stop ~		r.	,	Showing 1 to 4	7 of 47 Previous Next		
		🗐 Na	ime 🗇	State	Health	Туре	Targets	Deployment Order		
		•	AqAdapter	Active	🖋 ОК	Resource Adapter	soa_server1	324		
Iow do I Instal an enterprise application		•	Co babui	Active	🖋 ок	Enterprise Application	soa_server1	313		
Configure an enterprise application Update (redeploy) an enterprise application		•	BamComposer	New		Enterprise Application	bam_server1	500		
 Start and stop a deployed enterprise application 			BamCQService	New		Enterprise Application	bam_server1	300		
Monitor the modules of an enterprise application			Co BamServer	New		Enterprise Application	bam_server1	400		
Deploy EJB modules Instal a Web application			Composer	Active	🖋 ок	Enterprise Application	soa_server1	385		
iystem Status 🖂			coherence-transaction-rar	Active	🖋 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100		
lealth of Running Servers		•	CoherenceAdapter	Installed		Resource Adapter		331		
Failed (0) Critical (0)		•	DbAdapter	Active	🖋 ок	Resource Adapter	soa_server1	322		
Overloaded (0) Warning (0)		•	DefaultToDoTaskFlow	Active	🖋 ок	Enterprise Application	soa_server1	314		
OK (2)		B	DMS Application (12.1.3.0.0)	Active	🖋 ок	Web Application	AdminServer, bam_server1, soa_server1	5		
		E	Eð em	Active	🖋 ок	Enterprise Application	AdminServer	400		
		E	FCUBSApp (12.1.0.0)	Prepared	🖉 ок	Enterprise Application	soa_server1	500		

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

	dministration Console 12c	Q								
Change Center	😰 Home Log Out Preferences 🖾 Record Help									
View changes and restarts	Home >Summary of Deployments > DbAdapter									
Configuration editing is enabled. Future	Settings for DiAdapter Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes									
changes will automatically be activated as you modify, add or delete items in this domain.										
Domain Structure	General Properties Outbound Connection Pools Admin Objects Workload Instrumentation									
Dev1201_domain ⊕ Tenvironment ⇔ Deployments ⊕ Services → Security Realms ⊕ Interoperability ⊕ Diagnostics	This page displays a table of Outbound Connection Rood groups and instances for this resource adapter. The too level entries in the table of outbound connection Rood are not displayed in the table of group. Gold the name of a group or instance to configure it. Automatically generated Connection Pode are not displayed in the ta Outbound Connection Pool Configuration Table	for a Connection Pool instance within an Outbound Connection able below.								
	New Delete	Showing 1 to 1 of 1 Previous Next								
	Connection Factory Ir	iterface								
	B javax.resource.cci.ConnectionFactory javax.resource.cci.ConnectionFactory	ctionFactory								
	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)										
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	l rights reserved. a and/or is alfillates. Other names may be trademarks of their respective owners.									



- 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'.

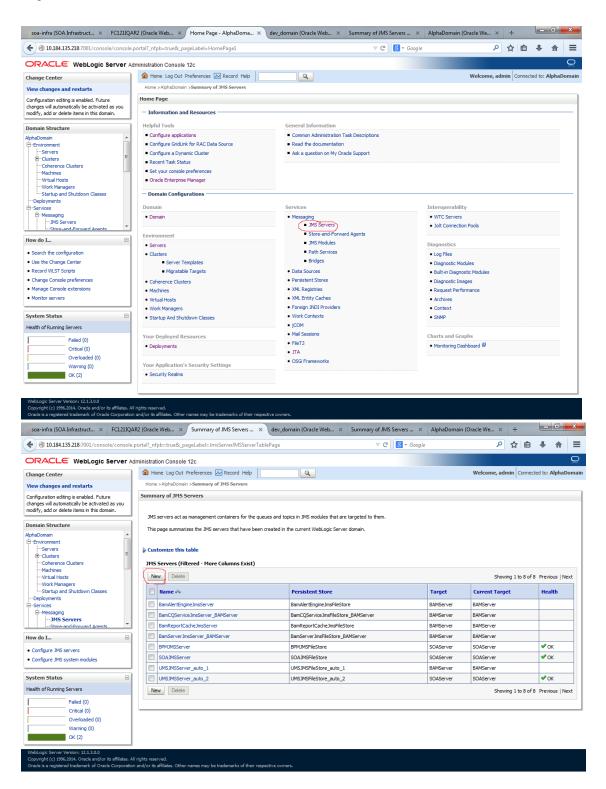
Change Center	🔒 Home	Log Out Prefer	rences 💽 Re	acord Help		Q		Welcome	e, weblogic Connected to: Dev1201_doma
View changes and restarts	Home >S	Summary of Deplo	yments >DbAd	lapter					
Configuration editing is enabled. Future	Settings f	ior javax.reso	urce.cci.Conr	nectionFactory					
changes will automatically be activated as you modify, add or delete items in this domain.	General	Properties	Transaction	Authentication	Connectio	on Pool Logging	2		
Domain Structure	This par	ce allows you to	view and modif	ify the configuration	vo nronerties	of this outbound	connection pool. Properties you modify here a	are saved to a deployme	ant nlan.
Dev 120 1_domain		ind Connection) uie eeningen	, by other error	/ die eewer	Connectori passi i reper ese yes inc,		and powers
E-Services	Save								Showing 1 to 8 of 8 Previous Next
Interoperability Diagnostics	Proper	rty Name 🚕		Property Type	P	roperty Value		5	Supports Dynamic Updates
	DataSo	urceName		java.lang.String	jd	lbc/fcjdevDS		fe	alse
	DefaultNChar			java.lang.Boolean	n fai	lse		fe	alse
	Platform	PlatformClassName		java.lang.String	or	g.eclipse.persiste	ence.platform.database.Oracle10Platform	fa	alse
	Sequent	cePreallocationSi	ize	java.lang.Integer	r 50	1		fa	alse
	UsesBat	tchWriting		java.lang.Boolean	n tru	Je		fa	alse
How do I 🗉	UsesNa ⁴	ativeSequencing		java.lang.Boolean	n tru	ue		fe	alse
Configure outbound connection pool	UsesSkir	ipLocking		java.lang.Boolean	n tru	ue		fe	alse
properties	XAData	SourceName		java.lang.String				fa	alse
System Status 🗉	Save								Showing 1 to 8 of 8 Previous Next
Health of Running Servers									
Failed (0) Critical (0) Overloaded (0) Warning (0) Ok (2)									

- 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



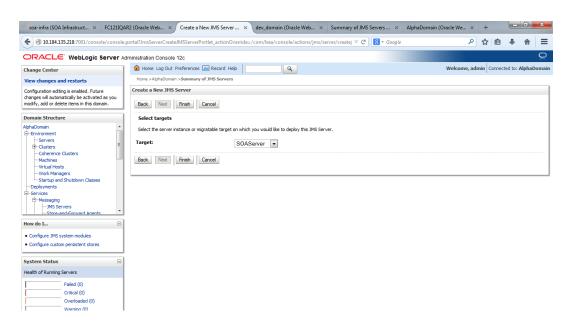


 Please provide the below Name for JMS Server and select the file persistent store as below→Next

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	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 Difference Services Services Services 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 CohelmsServer 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 PCuBS MSS SOAJMSSer	e gine.hmsSer/ Sont table by Name Ide.hmsServer, BAMServer Cache.hmsServer ImmServer_BAMServer ver ierver ver ver_ ver_ ver_ ver_ ver_ uto_1	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)

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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



Q

• 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		
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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 AlphaDomain Christen Constraints Constrain	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	
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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 ✓ The JMS module was created su 		necessary.			
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:		FCUBSJMSM	odule	The name of this JM	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
Failed (0)				There are no items t	to display	
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Warning (0) OK (2)						



5. Go back to JMS Modules→FCUBSJMSModule→New

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Change Center	🔒 Home Log Out Preferences 🔤 R	Record Help	٩	Welcome,	admin Connected to: AlphaDomain
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:	jms	/fcubsjmsmodule-jms.xml	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,
JMS Servers	Customize this table				
How do L	Summary of Resources				
No task help found.	New Delete			s	howing 0 to 0 of 0 Previous Next
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Health of Running Servers	New Delete			si	howing 0 to 0 of 0 Previous Next
Failed (0) Critical (0)					
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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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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 readerees and the memoria to active readerees.
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



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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View changes and restarts	Home >Summary of JMS Modules >PCUBSIMSHodule >Summary of JMS Modules >FCUBSIMSModule >FCUBSCOnnectionfactory >Summary of JMS Modules >FCUBSIMSModule >Summary of JMS Modules >FCUBSIMSModules >Summary of JMS Modules >FCUBSIMSModule >Summary of JMS
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JMS System Module Resource
Domain Structure	Back Not Rnish Advanced Targeting Cancel
AlphaDomain	The following properties will be used to target your new JHS system module resource Use this page to view and accept the default targets where this JHS resource will be targeted. The default targets are based on the parent JHS system module targets. If you do not want to accept the default targets, then did. AdVanceI Targeting to use the subdeployment intervation for targeting the resource.
Coherence ClustersMachinesWirtual HostsWirtual HostsWork ManagersStartup and Shutdown ClassesStartup and Shutdown ClassesStartup and Shutdown ClassesStartup and Shutdown Classes	The following JMG 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 :
DeploymentsServicesMessaging	Servers
Store-and-Forward Agents	☑ 50AServer
How do I 😑	
Configure quotas for destinations Configure JMS templates	Back Next Finish Advanced Targeting Cancel
Configure destination keys	
Configure topics	
Configure queues	
Configure connection factories	
 Configure uniform distributed topics 	
Configure uniform distributed queues	
Configure foreign servers Configure JMS SAF	
Computer and same	
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View changes and restarts Home > Summary of JMS Module > FCUBSJMSModule > Summary of JMS Module > FCUBSJMSModule > Summary of JMS Module > Placeholder	of JMS Modules > FCUBSJMSModule > FCI	UBSConnectionfactory >Summar	y of JMS Modules > FCUBSJMSModule >	Summary of .	IMS	
Configuration editry is enabled. Future Amarges in all annotatically be activated as you modify, add or delete items in this domain. Domain Structure The following properties will be used to target your ne	av 145 system module servurse					
AphaDoman The Unixwing projected will be accounting to your mean account of the accoun	module resource. A subdeployment is a	a mechanism by which JMS reso				
Work Managers Select the subdeployment you want to use. If you select (none) Select the subdeployments: (none) Subdeployments: (none)						
How do I						
Configure quotes for destinations Configure JMS templates Configure destination keys						
Configure topics						
Configure queues Configure connection factories						
Configure uniform distributed topics						
Configure uniform distributed queues						
Configure foreign servers						
Configure JMS SAF						
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Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Subdeployment				
Domain Structure					
AlphaDomain ^	Subdeployment Properties				
Environment	The following properties will be used to identify your new subdeployment.				
Clusters	Subdeployment Name: FCUBS				
Coherence Clusters Machines Virtual Hosts Work Managers Startup and Shutdown Classes	OK Cancel				
Deployments ⊖-Services □-Messaging JMS Servers					
How do I					
Configure quotas for destinations					
Configure JMS templates					
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View changes and restarts	Home > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > FCUBSConnectionfactory > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > placeholder	
Pending changes exist. They must be activated to take effect. You may activate them now.	Create a New JMS System Module Resource	
Otherwise, they will be automatically activated when you next modify, add or delete items in this domain.	Back Net Frish 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, or SAP agent. If necessary, you can create a new subdeployment by dicking the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the parent	
Domain Structure	module's subdeployment management page.	
AlphaDomain	Select the subdeployment you want to use. If you select (none), no targeting will occur.	
ClustersCoherence ClustersMachinesMachines	Subdeployments: FCUBS Create a New Subdeployment	
Virtual Hosts	What targets do you want to assign to this subdeployment?	
Work Managers Startup and Shutdown Classes	Targets :	
Deployments El-Services		Ε
	Servers	
i i i-Store-and-Enrward Anents	50AServer	
How do I	JMS Servers	
Configure quotas for destinations Configure JMS templates	BPHUMSServer	
Configure destination keys	BPADASserver	
Configure topics	✓ FCUBSJMSServer	
Configure queues Configure connection factories	S0AJMSServer	
Configure uniform distributed topics		
Configure uniform distributed queues Configure foreign servers	UMSJMSServer_auto_2	
Configure JMS SAF	Back Ned Finish Cancel	
System Status		
Health of Running Servers		
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ges will automatically be activated as you y, add or delete items in this domain.	All changes have been activated. N	lo restarts are ne	cessary.					
ain Structure	Connection factory created success	sfully.						
Domain A	Settings for FCUBSJMSModule							
vironment	Configuration Subdeployments	Targets Secur	rity Notes					
Servers B-Clusters		2						
Coherence Clusters	This page displays general information	1 about a JMS sys	tem module and its res	ources. It also allows you to configure n	ew resources and	access existing resources.		
-Work Managers Startup and Shutdown Classes	Name:		FCUBSJMSModule		The name of	this JMS system module. More I	nfo	
ployments rvices ··Messaging	Descriptor File Name:		jms/fcubsjmsmodule-j	ims.xml	The name of	the JMS module descriptor file.	More Info	
JMS Servers	destination quota, distributed destinat			system module, including queue and top rward parameters.	ic destinations, c	onnection factories, JMS template	es, destination	i sort keys,
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No task help found.	Summary of Resources					Sho	wing 1 to 1 of	1 Previous Ne
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Servers	Configuration Subdeployments	Targets Security	Notes			
Coherence Clusters Machines Virtual Hosts Work Managers				s. It also allows you to configure new resources a	-	
Startup and Shutdown Classes	Name:	FCI	UBSJMSModule	The name of	of this JMS system module. More	Into
E-Messaging 	Descriptor File Name: This page summarizes the JMS resol destination quota, distributed destin	irces that have been cr		m module, including queue and topic destinations	of the JMS module descriptor file.	
ow do I	Customize this table					
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rstem Status	New Delete				-	
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stem Status	New Delete	Type	n Factory	JNDI Name jndi/FCUBSConnectionfactory		Targets FCUBSJMSServer



8. Go back to console \rightarrow Click on JMS Modules \rightarrow New \rightarrow check on Queue \rightarrow next

yments as as services as a service as a serv	ce. For targetable resources, like stand-alone queues and topics, connection ting pages for selecting appropriate server targets. You can also associate
Import of Services Queue Copie Topic Distributed Queue Distributed Topic Distributed Topic Foreign Servers Foreign Servers Critical (0) Critical (0)<	create connections for JMS dentis. More Info Defines a point-to-point distination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More Info Defines a publich/tuberote destination type, which are used for anynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as anige, logical queue to JMS dents. More Info Defines a set of topics that are distributed on multiple JMS servers, but
	peer communications. A message delivered to a queue is distributed to only one consumer. More Info Defines a public halosofte destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic communications. A message delivered to a topic is distributed to all topic communications. A more Info Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS clents. More Info Defines a set of topics that are distributed on multiple JMS servers, but
pure quotes for destinations Topic pure quotes for destination keys Distributed Queue pure destination keys Distributed Queue pure concetion factories Distributed Topic pure uniform destrobuted queues Foreign Server restroid (0) Overbaded (0) Overbaded (0) Distributed Destinations ex (2) Distributed Destinations	asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS dents. More Info Defines a set of topics that are distributed on multiple JMS servers, but
pure topics Distributed Queue pure queues Distributed Queue pure uniform distributed queues Distributed Topic pure uniform distributed queues Foreign Server pre foreign Server Quota f Ratring Servers Destination Sort Key Pained (0) Destination Sort Key Overloaded (0) JHS Template Warming (0) SAF Imported Destinations	which are accessible as a single, logical queue to JMS clients. More Info Defines a set of topics that are distributed on multiple JMS servers, but
Contributed topics pre-uniform distributed queues pre-uniform distributed queues pre-uniform distributed queues Foreign Server Control Contro Control Contro Control Control Contro C	
ure foreign servers ure XS SAF Status FRunning Failed (0) Critical (0) Overbaded (0) Warring (0) Ov (2) SAF Imported Destinations	
Status Image: Status Fauled (0) Destination Sort Key Critical (0) JHS Template Overloaded (0) JHS Template Ox (2) SAF Imported Destinations	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info
Faled (0) Critical (0) Overloaded (0) Warring (0) Ox (2) SAF Imported Destinations	Controls the allotment of system resources available to destinations. More Info
Overloaded (0) JHS Template Warring (0) SAF Imported Destinations	Defines a unique sort order that destinations can apply to arriving messages. More Info
	Defines a set of default configuration settings for multiple destinations. M Info
Remote SAF Context	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 ductor that is imported in the local ductor or server instance, so that the local server instance or duster can send messages to the remot server instance or custer. More Info
	Defines the URL of the remote server instance or duster where a JMS destination is exported from. It also contains the security credentials to be authenticated and authorized in the remote duster or server. More Info
SAF Error Handling	Defines the action to take when the SAF service fails to forward messages to remote destinations. More Info
Back Net Finish Cancel	

 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

soa-infra (SOA Infrastruct × FC12110	AR2 (Oracle Web × Create a New JMS :	iystem × dev_domain (Oracle Web ×	Summary of JMS Servers ×	AlphaDomain (Oracle We 🛛 🗙	+		• ×
€ @ 10.184.135.218:7001/console/conso	.portal?JmsCreateSystemModuleEntityPortle	t_actionOverride=/com/bea/console/actions/j	jms/modules 🤍 C 🛛 😸 - Google	م	☆自	+	⋒ =
	dministration Console 12c						Q
Change Center	😭 Home Log Out Preferences 🔤 Reco	rd Help		Welcome, adr	nin Connect	ed to: Al	phaDomai
View changes and restarts	Home >Summary of JMS Modules >FCUBSJM Modules >FCUBSJMSModule >placeholder	ISModule >Summary of JMS Modules >FCUBSJMSMo	dule >FCUBSConnectionfactory >Summa	y of JMS Modules > FCUBSJMSModule >	Summary of J	MS	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JMS System Module Res	ource					
Domain Structure	Back Next Finish Cancel						
AlphaDomain	JMS Destination Properties						
Environment Servers Environment Ousters	The following properties will be used to ide	ntify your new Queue. The current module is FCU	BSJMSModule.				
Coherence Clusters Machines Virtual Hosts	* Indicates required fields						
	* Name: NOTIFY_[DEST_QUEL					
-Services -Messaging	JNDI Name: jms/NOTI	Y_DEST_QUEUE					
	Template: None 💌						
How do I	Back Next Finish Cancel						
Configure quotas for destinations							
Configure JMS templates Configure destination keys							
Configure topics							
Configure devices							
Configure connection factories							
Configure uniform distributed topics							
 Configure uniform distributed queues 							
Configure foreign servers							
Configure JMS SAF							
System Status							
Health of Running Servers							
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)							
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	tministration Console 12c Q
Change Center	Brone Log Out Preferences 🖾 Record Help Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >FCUBS/Connectionfactory >Summary of JMS Modules >FCUBSJMSModule >FCUBSJM
Configuration etiling is enabled. Future changes will automatically be activated as your modify, add or delete items in this domain.	Create a New 3MS System Hodule Resource Back Finah Cancel The following properties will be used to target your new 3MS system module resource. Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which 3MS resources are grouped and targeted to a server instance, duster, or SAF agent. There says, you can reate a new subdeployment by diding the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment to use. If you select (none), no targeting will occur. Subdeployments: FCUBS Cleate a New Subdeployment. What targets do you want to uses if you subdeployment? Targets :
Configure quotas for destinations	JMS Servers
Configure JMS templates Configure destination keys	BPM3MSServer
Configure desuriation keys Configure topics	
Configure queues	FCUBSJMSServer
Configure connection factories	© SOAJHSServer
Configure uniform distributed topics Configure uniform distributed queues	
Configure foreign servers	UHSJHSServer_auto_2
Configure JMS SAF	
System Status	Back Next Finish Cancel
Health of Running Servers	
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2) CK (2)	

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	dministration Conso	le 12c												
hange Center	Home Log Ou	it Preferences 📐	Record He	lp		Q			Welcom	ne, adm	in C	onnected	to: Alpha	Do
/iew changes and restarts		of JMS Modules >FC JMSModule > placeh		ule >Summar	y of JMS Mod	dules >FCUBSJMSModu	le >FCUBSConnection	onfactory >Summar	y of JMS Modules >FCUBSJMSM	odule >S	umma	ry of JMS		
Configuration editing is enabled. Future hanges will automatically be activated as you	Messages													
nodify, add or delete items in this domain.		ave been activated		s are necessa	iry.									
omain Structure	The JMS Que	ue was created suc	cessfully											
lphaDomain	Settings for FCU	BSJMSModule												
-Environment	Configuration	Subdeployments	Targets	Security	Notes									
Virtual Hosts Work Managers Startup and Shutdown Classes Deployments	Name:			FOL	BSJMSModu	le		The name	of this JMS system module. N	lore Info				
Ceptymenta Services Messaging Messaging Messaging		arizes the JMS reso		ave been cre	ated for this	dule-jms.xml s JMS system module, nd-forward paramete			of the JMS module descriptor f				t keys,	
No task help found.	Customize the	is table												
iystem Status 🖂	Summary of R													
ealth of Running Servers	New Dele	te								Showin	g 1 to	2 of 2 F	Previous M	ve:
Failed (0)	🔲 Name 🐟			Туре		JNDI Na	me		Subdeployment		Targ	ets		
Critical (0)	FCUBSCon	nectionfactory		Connection	Factory	jndi/FCU	SConnectionfactor	/	FCUBS		FCUB	SJMSServ	er	
Overloaded (0) Warning (0)	NOTIFY_D	EST_QUEUE		Queue		jms/NOT	FY_DEST_QUEUE		FCUBS		FCUB	SJMSServ	er	_
OK (2)	New Dele	te								Showin	g 1 to	2 of 2 F	Previous M	ve)

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- Please create the MDB_QUEUE_RESPONSE and JNDI name as jms/ MDB_QUEUE_RESPONSE, eis/jms/ORGateway and JNDI name as eis/jms/ORGateway, FAULT_QUEUE_RESPONSE and JNDI name as jms/ FAULT_QUEUE_RESPONSEQueues as above in console with in FCUBSJMSModule.(Follow step 9-10 in 1.2.7)
- 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

isole.poi	tal?_nfpb=true&_pageLabel=AppDeploymentsControlPage	⊽ C ⁱ	<mark>8</mark> - G	oogle	• ٩	合自
C	DMS Application (12.1.3.0.0)	Active	≪ок	Web Application	AdminServer, BAMServer, SOAServer	5
] 🗷 🕞 em	Active	🖋 ОК	Enterprise Application	AdminServer	400
]	Active	A Warning	Enterprise Application	SOAServer	600
E] 👼 FileAdapter	Active	🖋 ок	Resource Adapter	SOAServer	321
E] ⊞ ⊑frevvo	Active	🖋 ОК	Enterprise Application	SOAServer	100
] 🐱 FtpAdapter	Active	🖋 ок	Resource Adapter	SOAServer	325
E]	Active	🖋 ОК	Enterprise Application	SOAServer	600
] 🔯 JDEWorldAdapter	Installed		Resource Adapter		333
	🛛 🐱 JmsAdapter	Active	🖋 ОК	Resource Adapter	SOAServer	323
	JmsAdapter, Level 1, 19 of 46	Installed		Resource Adapter		332
]	Active	🖋 ОК	Resource Adapter	SOAServer	327
]	Installed		Resource Adapter		334
	E COAAPredictionService	Active	🖋 ОК	Enterprise Application	SOAServer	100
	🛛 🐱 Oracle Apps Adapter	Active	🖋 ОК	Resource Adapter	SOAServer	328
E] 🔯 OracleBamAdapter	Installed		Resource Adapter		329
E	B CoradeBPMBACServerApp	Active	🖋 ОК	Enterprise Application	SOAServer	384
E	E CoradeBPMComposerRolesApp	Active	🖋 ОК	Enterprise Application	SOAServer	382
E	B E CoracleBPMProcessRolesApp	Active	🖋 ОК	Enterprise Application	SOAServer	381
E	E COracleBPMWorkspace	Active	🖋 ОК	Enterprise Application	SOAServer	383
E] 🐼 SAPAdapter	Installed		Resource Adapter		335
E	E SimpleApprovalTaskFlow	Active	🖋 ОК	Enterprise Application	SOAServer	386
E	🗄 🖽 🔽 soa-infra	Active	🖋 ОК	Enterprise Application	SOAServer	350



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ew changes and restarts			UBSConnectio	factory >Summary of J	MS Modules >	FCUBSJMSMod	ule >Summary	of JMS 1	fodules >FC	UBSJMSModu	le >placeholder	>Summary of Deplo	oyments >Jm	sAdapter >	Summary o	of	
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omain Structure		General	Properties	Outbound Connect	ion Pools	Admin Objects	s Workload	i Inst	umentation								
haDomain	~																
Environment																	
Servers E-Clusters	=			le of Outbound Conne													e
Coherence Clusters				tory interface and the Click the name of a gro										nce withir	n an Outbo	una	
Machines		Connect	orreoorgroup.	click the fidline of a give	up or instan	ce to configure	rc. Automatic	ally gene	a dieu comin	ECOUT POOLS C	are not displaye	a in the table below	···				
Virtual Hosts		Outhour	d Connectio	n Pool Configuration	Table												
Work Managers				rr oor comgarador	Tuble												
Startup and Shutdown Classes		New	Delete										Showi	ng 1 to 1 d	of 1 Previo	ous N	le
-Deployments -Services									_								
-Messaging		🔲 Gr	oups and Ins	tances 🗠					Co	onnection F	actory Inter	ace					
JMS Servers Store-and-Forward Agents	-	Ξ	oracle.tip.ada	ter.jms.IJmsConnectio	nFactory				ora	ade.tip.adap	ter.jms.IJmsCo	nnectionFactory					
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w do I	-		eis/aqjms/EDN	ocalTxDurableTopic					ora	ade.tip.adap	ter.jms.IJmsCo	nnectionFactory					
Configure outbound connection pool properties			eis/aqjms/EDN	.ocalTxTopic					ora	ade.tip.adap	ter.jms.IJmsCo	nnectionFactory					
			eis/aqjms/EDN	kaDurableTopic					ora	ade.tip.adap	ter.jms.IJmsCo	nnectionFactory					
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alth of Running Servers			eis/aqjms/Que	Je					ora	ade.tip.adap	ter.jms.IJmsCo	nnectionFactory					
Failed (0)			eis/aqjms/Topi	:					ora	ade.tip.adap	ter.jms.IJmsCo	nnectionFactory					
Critical (0)			eis/fioranomq/									nnectionFactory					_
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OK (2)			eis/jms/aiaB2B	-							-	nnectionFactory					_
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Change Center	😭 Home Log Out Preferences 🔤 Record Help
View changes and restarts	Home >FCUBSIMSModule >placeholder >Summary of Deployments >ImsAdapter >Summary of Deployments >ImsAdapter >Summary of Deployments >ImsAdapter
Configuration editing is enabled. Future	Create a New Outbound Connection
changes will automatically be activated as you modify, add or delete items in this domain.	Back Net Finish Cancel
Domain Structure	Outbound Connection Group
AlphaDomain	In which outbound connection group do you want to create an instance? Outbound Connection Groups
Clusters Coherence Clusters	Showing I to 1 of 1 Previous Next
Conerence Clusters Machines Virtual Hosts	Outbound Connection Group 🗞
Work Managers	oracle.tip.adapter.jms.IJmsConnectionFactory
Startup and Shutdown Classes	Showing 1 to 1 of 1 Previous Next
-Services -MessagingJMS Servers	Back Ned Finish Cancel
i iStore-and-Enrward Anents	
How do I	
 Configure outbound connection pool properties 	

System Status

Health of Running Servers

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Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2) n: 12.1.3.0. Other na of the



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Change Center	😰 Home Log Out Preferences 🔤 Record Help	Welcome, admin Connected	to: AlphaDomain
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Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Outbound Connection Back Next Firsh Cancel		
Domain Structure	JNDI name for Outbound Connection Instance		
AlphaDomain	The nume to use to obtain the new connection instance The Outbound Connection instance represents a connection pool. The JNDI name can be used to obtain the pool at runt C * JNDI Name: Back Next Finish Cancel	time.	
properties			
System Status			
Health of Running Servers			
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 affiliates. Al			

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 contiguration information for a Connection Pool instance within an Outbound y 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 Messaging	Groups and Instances 🗇	Connection Factory Interface
JMS Servers	oracle.tip.adapter.jms.IJmsConnectionFactory	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/activemq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
ow do I 😑	eis/agjms/EDNLocalTxDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
Configure outbound connection pool properties	eis/aqjms/EDNLocalTxTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
ji opei des	eis/agjms/EDNxaDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
rstem Status 🗆	eis/aqjms/EDNxaTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
ealth of Running Servers	eis/agjms/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
Failed (0)	eis/aqjms/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
	eis/Queue/Notif	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/sunmq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/tibjms/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/tibjms/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/tibjmsDirect/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/tibjmsDirect/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/webspheremq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/wls/EDNLocalTxDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/wls/EDNLocalTxTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/wls/EDNxaDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/wls/EDNxaTopic	orade.tip.adapter.jms.IJmsConnectionFactory
	eis/wls/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/wls/Topic	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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nange Center	🔒 Home Log Out	Preferences 🔤 Re	ecord Help	Q				Welcome, a	dmin Co	nnected	to: Alph	aDoma
iew changes and restarts	Home >JmsAdapter Deployments >Jms		ments >JmsAdapter	>Summary of Deployr	- nents >JmsAdapt	ter >Summary of JMS M	odules >FCUBSJMSM	odule >Summary of JMS Modules	>Summar	y of		
onfiguration editing is enabled. Future	Settings for oracle		UmeConnection	Factory								
anges will automatically be activated as you odify, add or delete items in this domain.		rties Transaction			t analyze a							
omain Structure	General Prope	rues Transaction	Authentication	Connection Pool	Logging							
haDomain A Environment Servers Servers Coherence Clusters		ou to view and modi	fy the configuratio	n properties of this ou	tbound connec	tion pool. Properties y	ou modify here are si	aved to a deployment plan.	wing 1 to	7 of 7 P	revious I	Next
Machines Virtual Hosts Work Managers	Property Name	· 🌣	Pr	operty Type	Pro	operty Value		Supports Dynamic Updat	-		renous (
Startup and Shutdown Classes	AcknowledgeMod	2	jav	a.lang.String	AUT	TO_ACKNOWLEDGE		false				
Services	ConnectionFactor	yLocation	jav	a.lang.String	jno	di/FCUBSConne		false				
-MessagingJMS ServersJMS Servers	FactoryProperties	1	jav	a.lang.String				false				
Store-and-Forward Arients	IsTopic		jav	a.lang.Boolean	fals	e		false				
ow do I	IsTransacted		jav	a.lang.Boolean	fals	e		false				
Configure outbound connection pool properties	Password			a.lang.String				false				
properaes	Username		jav	a.lang.String				false				
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/iew changes and restarts		nsAdapter >Summ nts > JmsAdapte		ments >JmsAdapter	>Summary of Deploym	ents >JmsAdapter >Summary of JMS Modules >FCI	UBSJMSModule >Summary of JMS Modules >Summar	ry of
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omain Structure		yment plan has b						
lphaDomain	S Reme	ember to update	your deploym	ent to reflect the r	new plan when you ar	finished with your changes.		
-Environment	Settings fo	or oracle.tip.ad	lapter.jms.I	ImsConnection	Factory			
E-Clusters	General	Properties	Transaction	Authentication	Connection Pool	Logging		
	Outbour	nd Connection	Properties					
	Save	nd Connection	Properties	Prop	erty Type	Property Value	Showing 1 to Supports Dynamic Updates	7 of 7 Previous Nex
Startup and Shutdown ClassesDeploymentsServicesMessagingJMS ServersStore-and-Enoward AgenteStore-and-Enoward AgenteStore-and-Enoward AgenteStore-and-Enoward AgenteStore-and-Enoward Agente	Save		Properties		erty Type ang.String	Property Value		7 of 7 Previous Nex
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L=Strup and Shutdown Classes ->Deployments Services D=Messaging L=JNS Servers Strupe-and-Ensward Anents work of L	Save Proper Adknowle Connect	ty Name ↔ edgeMode		java.l	ang.String	AUTO_ACKNOWLEDGE	Supports Dynamic Updates false	7 of 7 Previous Nex
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tti-Clusters [71]				targets in this domain, click the install but					
Coherence Clusters									
Virtual Hosts Work Managers		omize this table							
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13. Go to console \rightarrow Deployments \rightarrow JMS adapter \rightarrow Update \rightarrow Next \rightarrow finish



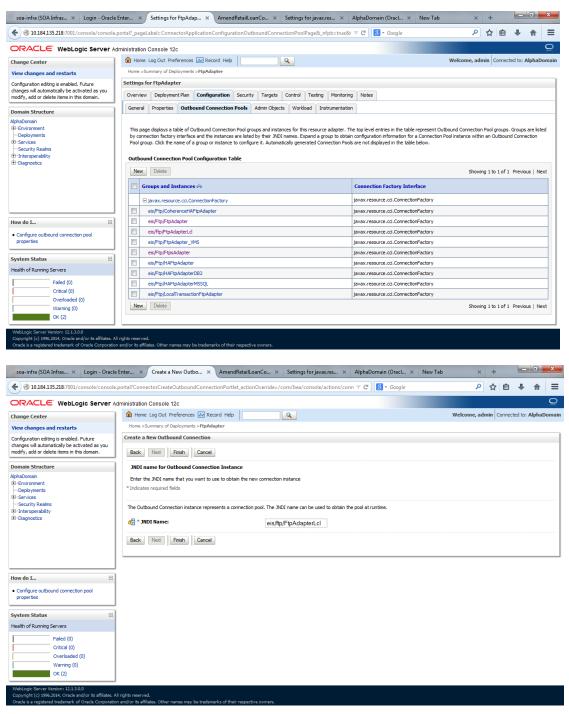
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14. Create the out bound connection pool with the **eis/wls/Queue** name in the Deployments using connection factory jndi/FCUBSConnectionfactory.



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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ew changes and restarts	Home	>Summary of Security Realms >myrealm >Use	ers and Groups	
pending changes exist. Click the Release nfiguration button to allow others to edit the main.		s for myrealm uration Users and Groups Roles and	d Policies Credential Mappings Providers Migration	
Lock & Edit Release Configuration	Users			
main Structure	This p	bage displays information about each user t	hat has been configured in this security realm.	
oundation_domain	Some	results are not displayed because there are	e too many matches. Please customize this table to specify more specific criter	ia.
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		11111RM_4	RM	FCJCustomProvider
		112233	Default Admin User 10	FCJCustomProvider
w do I 📼		121212	Default Admin User 10	FCJCustomProvider
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- 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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	NormalUser Manager	Manager	
	NormalUser Manager	Manager JISystem	Description
sstz7002/em/faces/as/w/FarmHome7	Normalizer Manager	Manager 11System Display Name Type	
	Normalizer Manager	Manager SISystem Display Name Type User	



- 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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inetadata Repositories	Description ALLROLES			
		Add Principal		
		Specify criteria to search	ind select the application roles that	you want to grant permissions to.
	Members		Type Group	
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	Name	Display Name	Iame Starts With 🔻	۷
	No groups or application roles added.	Searched Principals		
		Principal	Display Name	Description BI Administrators
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		✓ Advanced Option		
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		Type Group	Principal Name ALLROLES-000	
		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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		ة _ه		rtd_batch rtd_ls	batch admin choice editor	oracle securitygs.ResourcePermission
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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	👍 Add 🛛 💥 Delete					
	Name	Display Name	Туре	Description		
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		BIReportViewer	FCUBS Consumer Role			
		ALLROLES	ALLROLES	ALLROLES		
		authenticated-role	Authenticated Role			
		anonymous-role	Anonymous Role			
				OK Cancel]	
					4	

- 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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- 🚞 Essbase Servers	👍 Add 🛛 💥 Delete					
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	Permissions		Resource Nam		Resource Type	Permission Actions
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- 9) After getting information message like "A security added successfully",
 - $\circ \quad \mbox{Login into the BIPublisher}\ ,\ \mbox{http/s:<hostname>:<port>/xmlpserver}$
 - o Click on the Administration .

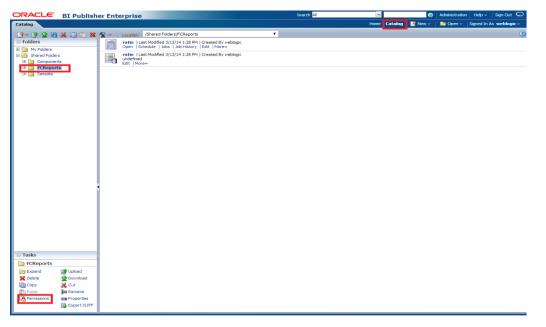
.



 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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🗶 Delete	Upload Upload Upload Cut Rename Properties Export XLIFF		Help			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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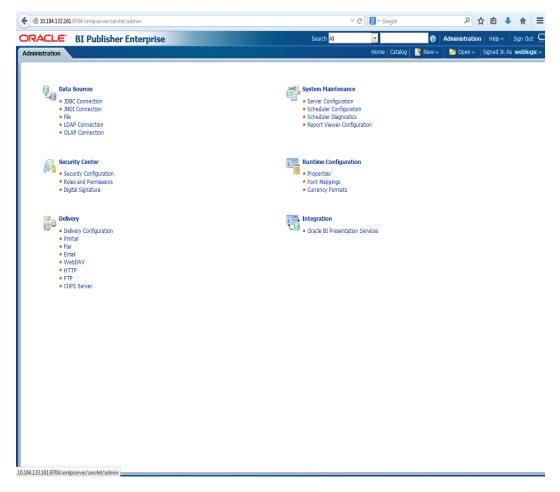


Now the reports in the folder will be accessed accordingly based on the roles.

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.

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Administration > JDI	BC > Add Data Source						
Add Data Source							
						Apply	Cancel
General							
	ke sure to install the required JDBC driver classe						
With Orac	e Fusion Middleware Security Model, select the	Jse System User checkbox to use the BI System User for your BI Serve	er Database Connection.				
	* Data Source Name	FCSOA					
		Oracle 11g					
	* Database Driver Class	oracle.jdbc.OracleDriver (Example: oracle.jdbc.OracleDriver)					
	* Connection String	jdbc:oracle:thin:@//ofss222783.in.oracle.com:1521/FCUBSDEV121					
	Use System User	DEV12C_SOAINFRA					
	Pre Process Function						
	Post Process Function						
		Use Proxy Authentication					
		Test Connection					
Backup Data So	ource						
							l
TIP To enable	access to a backup data source, please check th	e Use Backup Data Source checkbox and enter the necessary connection	on information.				
		Use Backup Data Source					
	Connection String						
		ii.					
	Username						
	Password	Test Connection					
		reac connection					

16. Add the fcubs roles to allowed Roles under security

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Backup Data Source							
✓TIP To enable access to a backup data source, please check th Connection String Username Password	e Use Backup Data Source checkbox and e Use Backup Data Source Use Backup Data Source Test Connection	inter the necessary connection inf	ormation.				
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 http://hostname:port/console
- 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
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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
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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
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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



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Configuration editing is enabled. Future	Settings for Ba	mCompose	r								
changes will automatically be activated as you modify, add or delete items in this domain.	Overview D	eployment Pl	an Configuration	Security	Targets	Control	Testing	Monitoring	Notes]	
Domain Structure	Application	Workload	Instrumentation								
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Deployments Services Security Realms	This page de	scribes the co	nfiguration informatio	n that is cu	rrently defin	ed in the o	leployment	plan for the	selected i	module or component.	
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Copyright (c) 1996,2014, Oracle and/or its affiliates. Al Dracle is a registered trademark of Oracle Corporation		ther names ma	y be trademarks of their	respective ow	mers.						

5. Click on Overview→check the deployment plan location

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hanges will automatically be activated as you nodify, add or delete items in this domain.	Overview	Deployment Plan	Configuration	Security	Targets	Control	Testing	Monitoring	Notes	
omain Structure	Save									
ev_domain B-Environment Deployments D-Services Security Realms	plan, and so	on. The table at		ge lists the						the application files, the associated deployment contained in the enterprise application. Click on the
8- Interoperability 8- Diagnostics	Name:		BamComposer					Th	e name of	this enterprise application. More Info
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ow do I E	Staging Mod	le:	nostage					on	the Admir	ther a deployment's files are copied from a source istration Server to the Managed Server's staging oplication preparation. More Info
application Configure an enterprise application Create a deployment plan Target an enterprise application to a server	Plan Staging	Mode:	(not specified)					fro	m 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 Mo	del:	DDOnly						e security dule. Mo	model that is used to secure a deployed re Info
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	Save									
		d Components								

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>	
variable-assignment>	
<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 <th><mark> ></mark></th>	<mark> ></mark>
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- Services - Security Realms - Interoperability - Diagnostics	- C-	stomize this table							
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Deploy EJB modules Install a Web application		B BPMComposer			Active	🖌 ок	Enterprise Application	soa_server1	385
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	8	FieAdapter			Active	🛩 ок	Resource Adapter	soa_server1	321
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	len.	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



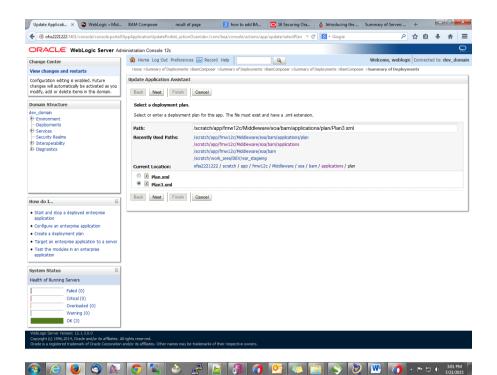
Change Center		Home Log Out Preferences 🛃 Record H	elp Q		We	come, weblogic C	onnected to: dev_doma
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changes will automatically be activated as you modify, add or delete items in this domain.	Con	trol Monitoring					
bomain Structure ev_domain Encloyments Services -Secures -Secu	sta To	arted, stopped, updated (redeployed), or de	and stand-abne application modules that have bee leted from the domain by first selecting the applica syment to targets in this domain, click the Install bu	tion name a			
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		AqAdapter	Active	🛩 ок	Resource Adapter	soa_server1	324
Iow do I E Instal an enterprise application	2	E Bozbui	Active	🛩 ок	Enterprise Application	soa_server1	313
Configure an enterprise application Update (redeploy) an enterprise application		BamComposer	Active	🛩 ок	Enterprise Application	bam_server1	500
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Monitor the modules of an enterprise application	2	BamServer	Active	🛩 ок	Enterprise Application	bam_server1	400
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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 Adm	ninistration Console 12c			Q
Change Center	🙆 Home Log Out Preferences 🔤 Rea	cord Help	Q	Welcome, weblogic Connected to: dev_domain
View changes and restarts	Home >Summary of Deployments >BamCompo	ser >Summary of Deployments	>BamComposer >Summar	y 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	1		
Domain Structure	Locate new deployment files			
dev_doman Bir Environment IIII Bir Environment IIIII Bir Senvices IIII Senvices IIIII Senvironment Bir Interoperation Bir Diagnostics	Redeploy this application using the second secon	vith new deployment plan app/fmw12c/Middleware/sc he following deployment	a/bam/applications/plar files:	
	Deployment plan path: /scratch/	app/fmw12c/Middleware/sc	a/bam/applications/plar	/Plan3.xml Change Path
How do I E • Start and stop a deployed enterprise application	Back Next Finish Cancel			
Configure an enterprise application				
Create a deployment plan				
 Target an enterprise application to a server Test the modules in an enterprise application 				
System Status				
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Faled (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. All Oracle is a registered trademark of Oracle Corporation i		s of their respective 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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low do I 🗉		Name 🚕			State	Health	Туре	Targets	Deployment Order
 Install an enterprise application 									
Configure an enterprise application	E	AqAdapter			Active	🖋 ок	Resource Adapter	soa_server1	324
 Update (redeploy) an enterprise application Start and stop a deployed enterprise application 	E	E _b2bui			Active	🖋 ок	Enterprise Application	soa_server1	313
Monitor the modules of an enterprise application	E	🗈 📑 BamCompo	oser		Prepareo	в 🛩 ок	Enterprise Application	bam_server1	500
Deploy EJB modules Install a Web application	E	E BamCQSer	vice		Active	🖋 ОК	Enterprise Application	bam_server1	300
ivstem Status E	E	BamServer			Active	🛩 ок	Enterprise Application	bam_server1	400
Health of Running Servers	E	BPMCompo	oser		Active	🛩 ок	Enterprise Application	soa_server1	385
Failed (0) Critical (0)	E	oherence-tra	insaction-rar		Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
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OK (3)							Resource		
		DbAdapter			Active	🖋 ок	Adapter	soa_server1	322



12. Restart the BAM Composer application in the console

Change Center	Home Home	Log Out Preferences 🔤 Record Help	Q					Welcome, admin	onnected to: AlphaDomai
View changes and restarts		amComposer >Summary of Deployments >Bar	Composer >Summary of I		er >Summar	y of Deploym	ents >Summary of !	Servers >Summary of	
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Update (redeploy) an enterprise application Start and stop a deployed enterprise		B 🕞 b2bui			Prepared	🛩 ок	Enterprise Application	SOAServer	313
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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
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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

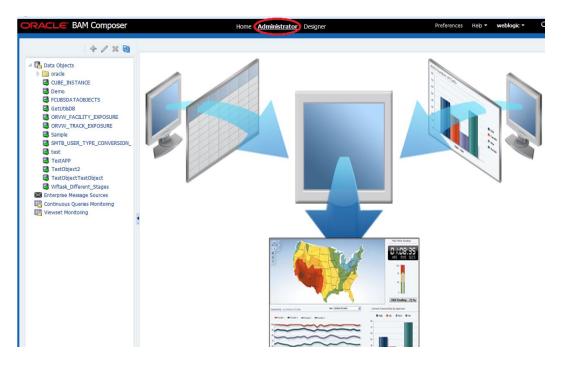
Farget Navigation		👚 BamServer 🔞		Logged in as weble	ogicl 📃 ofss2221222.in.oracle.c
View •		🖫 Business Activity Monitoring 🕶		Page Refreshed Jul 2	23, 2015 11:17:31 AM IST
 Application Deployments SOA WebLopic Domain Busness Actudy Montonne Busness Actudy Montonne Busness Actudy Montonness Wese Messaging Service 	Home Home Monitoring Control Logs Security App	nirrerent from application name. Role Name Starts With 💽	registered. These are also applicat .ogic Domain, use the <u>Qracle Web</u> rce	tion roles that are created in the con	text 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 🕶 🔘
Target Navigation View ▼	BamServer ③ Business Activity Monitoring ▼	Logged in as weblogic light of ss2221222.in.oracle.com Page Refreshed Jul 23, 2015 11:20:30 AM IST
Application Deployments SoA Sussessment Experiments SoA Weblog: Domain Demonstrate Report (Dam, Server1) Metadata Repositories User Messaging Service	Create Application Role General Application BamServer Strue * Role Hame ALLROLES-000 Description Members An application role may need to be mapped to users or groups defined in roles. Verv Add Chelte Debay Name No groups or app Add roles } added.	OK Cancel enterprise LDAP server, or the role can be mapped to other application Type

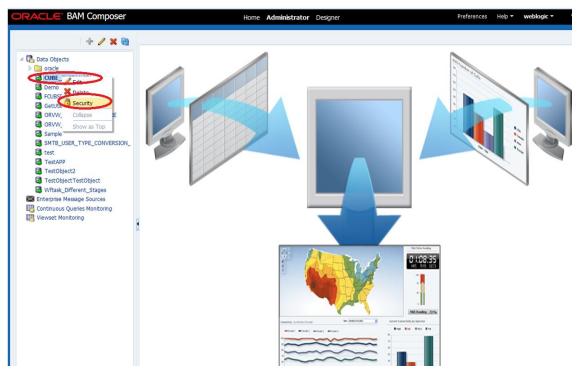
16. Select the Type as Group and add principle details be referring the below screen shot.



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

ORACLE BAM Composer		Ho	me Admi	nistrator Designer		Preferences	Help 🔻	weblo	gic 🕶
+ / × @	GetUtilsDB (Security)	1							2 🖬
	Full Name /data Owner Type USER Owner Name webic						(69	Save
ORVW_FACILITY_EXPOSURE	1. Grant permission			Add Application Roles, Groups	s and Users			×	-
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Sample Sample SMTB_USER_TYPE_CONVERSION_ Conversion_ TestAPP TestObject2 TestObject2 Wittask_Different_Stages Mittask_Different_Stages Continuous Queries Monitoring Vewset Monitoring	Role Name		Write	Search Avalanter Members BPM-Content/News [ALLROLES-000	Select	ed Members			
	2. Deny Permission			OK Cancel					
	View - + ×	Detach							
	Role Name	Read	Write						
	No data to display								



20. Move the ALLROLES-000 to Selected members.

ORACLE BAM Composer		Home	Administ	rator Designer	Preferences	Help 🔻	weblog	jic ▼ ⊂
+ / × @	GetUtilsDB (Security) ×	1						③ ⊠ -
	Full Name /dataoi Owner Type USER Owner Name webloc	bject/GetUtilsDB Jic				١	<u>69</u>	Save
ORVW_FACULTY_EXPOSURE ORVW_TRACK_EXPOSURE Sample SMTE_USER_TYPE_CONVERSION_ Test TestAPP TestObject2	Role Name	V V	Write	dd Application Roles, Groups ame et Application Role • Search Available Members BPMContentViewer	Selected Members ALLROLES-000		×	
		Detach Read	Write	OK Cancel				

21. Click on read, select and Update check boxes \rightarrow Click on Save.

RACLE [®] BAM Composer			lome Administ	rator Designer			Preferences H	elp • weblogic •
+ 🦯 🗙 🚱	GetUtilsDB (Security) ×							()
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
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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 →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 + weblogic +
CCUBS BAM_Report CCUBS BAM_Report Create Create Delete Socurty Rename Socurty Rename Alerts Parameters	Dashboard or Al What do you want to create? Dashboards and Alerts	Data
	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
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Alerts ▷ IIII Parameters	1. Grant permission							-	i.
V una Parameters	View - + ×								
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	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 PDMCratativever 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 🔻	weblog	jic 🔹 🔾
FCUBS_BAM_Report	FCUBS_BAM_Report (Security) ×				
Arta Objects Business Queries Kols Business Views Business Views Business Views Martis Artis Pers Parameters	Security Full Name /project/FCUBS_BAM_Report Owner Type USER Owner Name weblogic L. Grant permission Add Application Roles, Groups and Users ×		(1)		Save
	Name Lut: Application Role Search Available Members BAMArchitect BPMContentViewer K K Cancel				

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

ORACLE BAM Composer	Home	e Administrator Designer	Preference	s Help - weblogic -
FCUBS_BAM_Report 🗷	FCUBS_BAM_Report (Security) ×			2 🛛 -
 ▷ Data Objects ▷ Eig Business Queries ֎ RPIs ▷ Eig Business Views ▷ Dashboards ▲ Alerts 	Full Name /project/FCUBS_B Owner Type USER Owner Name weblogic	AM_Report		
D Im Parameters	1. Grant permission			
	View 👻 🛖 🔀 Detach Role Name Read	Write Remove	Security	
•	ALL ROLES-000			
	8 BAMContentCreator	V		
	😫 BAMContentViewer 🗹			
	2. Deny Permission			
	View • + X Detach			
	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	6	home Log O	Out Preferences 🔤 Reco	ord Help	Q				Welcome, we	eblogic Connected to: IPM_d		
View changes and restarts		Home										
Configuration editing is enabled. Future	Se	ettings for my	/realm									
changes will automatically be activated as you modify, add or delete items in this domain.				Roles and Policies	Credential Mappings	Providers	Migration					
modify, and or delete items in this domain.				Koles and Policies	Credential mappings	Providers	Migrauun					
Domain Structure		Users Group	ps									
IPM_domain		-										
Environment Deployments		This page displ	lays information about eac	ch group that has b	been configured in this s	scurity realm.						
B-Services												
Security Realms	Þ	Customize th	his table									
Interoperability Diagnostics		Groups										
		New Delete	18						Showir	ing 1 to 10 of 568 Previous Ne		
		🔲 Name 🖘	> De	escription						Provider		
		AC-BATCH	H Acr	counting Batch Ope	erations					Fcubs		
		AC-REPOR	IRTS Acc	counting Reports						Fcubs		
How do I 🖂		AC-RPT	Acc	counting Reports						Fcubs		
Manage users and groups		ADMIN	Adr	min						Fcubs		
Create groups		AdminCha	annelUsers Adr	minChannelUsers c	can access the admin cha	innel.				DefaultAuthenticator		
Modify groups		Administra	ators Adr	ministrators can viv	iew and modify all resour	ce attributes	and start and	d stop servers.		DefaultAuthenticator		
Delete groups		ADMINRO	DLE Ad	lmin Role						Fcubs		
		AE-MAINT	T-IN AE	OD Maitenance						Fcubs		
System Status 🖂		AEOD-RP1	T AE	OD Reports						Fcubs		
Health of Running Servers		AEOD-STE	B Acr	counting Reports						Fcubs		
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Failed (0)												
Failed (0) Critical (0)												
Critical (0) Overloaded (0)	Ľ											
Critical (0)	Ľ											

• 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"



ORACLE WebLogic Server®	Administration Conso	le		Q
Change Center		eferences 🔤 Record Help	Q	Welcome, weblogic Connected to: IPM_domain
View changes and restarts	Home			
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New Group			
modify, add or delete items in this domain.	OK Cancel			
Domain Structure	Group Properties			
IPM_domain (B)-Environment Deployments (B)-Services	The following proper * Indicates required fie	ties will be used to identify your new elds	Group.	
Security Realms	What would you like to	o name your new Group?		
Diagnostics	* Name:	IPMUserGroup		
	How would you like to	describe the new Group?		
	Description:	User group for IPM		
	Please choose a provi	der for the group.		
How do L	Provider:		1	
Create groups	Frovider.	DefaultAuthenticator •		
Modify groups	OK Cancel			
Delete groups				
Create users Manage users and groups				
Manage users and groups				
System Status				
Health of Running Servers				
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)				
WebLogic Server Version: 10.3.6.0 Copyright © 1996, 2011, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation	l rights reserved. 1 and/or its affiliates. Other 11.	ames may be trademarks of their respec	ctive owners.	

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

ORACLE WebCenter Content: Imaging	
Crocele Webeenter 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: I	Imaging	Logged in as weblogic Help Refresh Preferences Logout About	2
E ∰ Searches COL_D 2 ← Tools 2 ← Honore Searches E ⊞ Track 1 ← Honore Searches E ⊕ Honore Applications 3 2 ← Honore 1 2 ←	Imaging FLEXCIBE: Application Summary USCRIME Application Seammary USCRIME Application Seammary USCRIME Seammary Seammary Seammary Seammary Seammary Seammary Seammary Seammary	taged is an unlage. (My) Educk) Followson) Laport) Boot	
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Manage Security Copyright (c) 2010, 2015 Oracle and/or its affiliates. All rights re-	rennet.		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

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- 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

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- 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



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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. Gas Add Security Member 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>

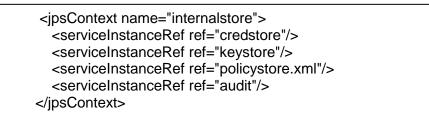
b. Similarly, Search for '<serviceInstances>' tag and add the following code between '<serviceInstances>' and '</serviceInstances>' tags.

<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"/>
<pre><pre><pre>cproperty name="DATASOURCE_NAME" value="jdbc/fcjdevDS"/></pre></pre></pre>
<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.

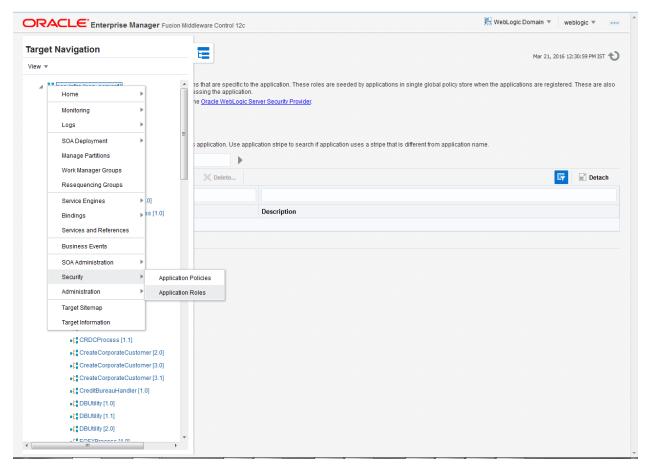


c. Search for '<jpsContexts default="default">' tag and add the following code between '<jpsContexts default="default">' and '</jpsContexts>', preferably after the default 'jpsContext'.



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		erprise Mana	ger Fusion Middle	eware Control 12c	🔄 WebLogic Domain 🔻 🛛 weblogic 🔻		
	SOA Infra 0	e v			Mar 21, 2016 12:30:59 PM		
pplica	tion Roles						
plication r plication r	roles are the roles roles that are creat	ed in the context	of end users acces	sing the application.	the application. These roles are seeded by applications in single global policy store when the applications are registered. These are Server Security Provider.		
	Store Provider	-					
Search							
ter search	h keyword for role n	name to query rol	es defined by this a	application. Use app	plication stripe to search if application uses a stripe that is different from application name.		
	Role Na	me Starts With	-				
view 💌	Create	📑 Create Lik	ke 🥒 Edit	X Delete Sei	earch application roles 📰 🖉 🖉 Detac		
-							
-							
Role N			Display Name		Description		
-	Composer		Composer for the I		A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security p		
	_Deployer			er for the Default P			
default	-		Tester for the Defa		A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of.		
	_ApplicationOperat			or for the Default Pa.			
	_Monitor		Monitor for the Def		A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition		
	wareOperator		SOA MiddleWare C		A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact		
	wareAdministrator		SOA Middleware A	dministrator	A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always re		
SOAAd			SOA Admin Role		SOA application admin role, has full privilege for performing any operations including security related		
SOAOp			SOA operator Role	•	SOA application operator, for common operational tasks like start, stop, monitor, backups		
SOAMo			SOA Monitor Role		SOA application monitor role, has read-only privileges for monitoring		
	ditAdmin		SOA Audit Admin F		SOA audit administrator role, can perform audit configuratoin and administration		
				SOA audit viewer role, can view audit records			
				BPM Workflow Administrator Application Role			
	orkflowCustomize		BPM Workflow Cus		BPM Workflow Customize Application Role		
BPMAGAdmin BPM Activity Guide Admin Role BP					BPM Activity Guide Administrator Application Role		
	ganizationAdmin		BPM Organization	Admin role	BPM Organization Administrator Application Role		
			SOA Designer		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.

eneral	e group of users designed at the	e enterprise level and typically used to assign a privilege or permission. A role can also contain other roles as members.	OK Cano
Application Stripe soa-	infra		
Role Name SC	Add Principal		
	Specify criteria to search and sel A Search	lect the application roles that you want to grant permissions to.	
Description S(pe re		Type Group	
-		Principal Name Starts With	
embers		Display Name Starts With 💌	
application role may nee	Searched Principals		
Name	View v Detach		/ре
Administrators	Principal	Display Name Description	roup
	No search conducted		
	Advanced Option		
	Check to enter principal nar	me here instead of searching from above. This option can be used for advanced scenarios related to custom authenticators.	
		ОК	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.

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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 :		

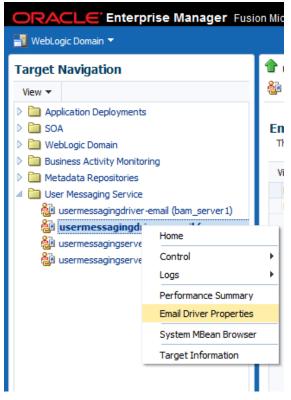


6. Click Ok .

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)



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Target Navigation	👕 usermessagingdriver-email 💿 🏭 User Messaging Email Driver ▼	Logged in as weblogi cl 📕 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:09:57 AM IST 💍
Application Deployments SOA WebLogic Domain Guiness Activity Monitoring	Edit Driver Properties	OK Cancel
Compared to the second se	Name FOUBS121 Driver Type User Messaging Emal Driver © Domain Configuration Level Custer Name Supported Delivery Types EMAIL Capability SEND, RECEIVE Supported Content Types Supported Status Types DELIVERY_TO_GATEWAY_SUCCESS, DELIVERY_TO_GATEWAY_SUCCESS, USER_REPLY_ACONVOLLEDGENENT_SALLERE,	Supported Protocols SMTP Supported Carriers U Use Sender Addresses Sender Address EMALL:xxx(@xxx.xom Cost Speed Supports Cancel Supports Status Polina

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	
Message Cleanup Frequence	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	
	The security used by SMTP server. Possible values are None, TLS and SSL. Default value is None.			None	
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				Ŧ

13. Navigate to SOA Administration ->Workflow Properties

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📲 WebLogic Domain '	•		
Target Navigatio	tt Navigation		Logged in as weblogic 🗐 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:15:16 AM IST 🗘
 ▲ SOA ▲ Soa-infra ' > ⓓ default > ⓓ default > ⓓ business Activ > ⓓ Metadata Rep ▲ ⓓ User Messagir ֎i user messa ֎i usermessa ֎i usermessa 	Home Monitoring Logs SOA Deployment Manage Partitions Work Manager Groups	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	
ेखें usermessa	pc Doman * Navigation Image: Societing for enswellogic in a weblogic in a weblogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Image: Societing for enswellogic in a sector restart to take effect. Workflow Notification Properties Societing for enspiring the Workflow Notification, configure the Messaging Service Driver. Go to the Messaging Driver page * Notification Node in a in		
	Security Administration	BPEL Properties BPAN Properties Workflow Properties 328 Server Properties Token Configurations	

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



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	er Administration Console 12c						ç
hange Center	🔒 Home Log Out Preferences 🔊 Record Help	Q		Welcome, a	imin Conr	nected to:	AlphaDom
/iew changes and restarts	Home >AlphaDomain >Summary of Servers >AlphaDomain	n >Summary of Servers >Summary of Deployments >soa-infra	>BPELEngineBean				
onfiguration editing is enabled. Future	Home Page						
hanges will automatically be activated as yo odify, add or delete items in this domain.	Information and Resources						
omain Structure	Helpful Tools	General Information					
	Configure applications	 Common Administration Task Descriptions 					
NphaDomain B-Environment	Configure GridLink for RAC Data Source	Read the documentation					
Servers	Configure a Dynamic Cluster	Ask a guestion on My Oracle Support					
Clusters	Recent Task Status	 Aska question on my oracle support 					
Coherence Clusters	Set your console preferences						
Machines Virtual Hosts	Orade Enterprise Manager						
Work Managers	Orade Enterprise Manager						
Startup and Shutdown Classes	- Domain Configurations						
Deployments							
Services Services	Domain	Services	Interope				
Security Realms Interoperability	Domain	Messaging	WTC S				
	T	 JMS Servers 	• Jolt Co	onnection Pools			
How do I	Environment	 Store-and-Forward Agents 					
104 00 1	Servers	 JMS Modules 	Diagnos	tics			
 Search the configuration 	Clusters	Path Services	• Log Fil	es			
 Use the Change Center 	 Server Templates 	 Bridges 	Diagno	ostic Modules			
 Record WLST Scripts 	 Migratable Targets 	Data Sources	• Built-in	Diagnostic Modules			
 Change Console preferences 	Coherence Clusters	Persistent Stores	Diagno	ostic Images			
 Manage Console extensions 	Machines	XML Registries	Reque	st Performance			
Monitor servers	Virtual Hosts	XML Entity Caches	Archive	es			
	Work Managers	Foreign JNDI Providers	Conte:	xt			
System Status	Startup And Shutdown Classes	Work Contexts	SNMP				
Health of Running Servers		• jCOM					
	Your Deployed Resources	Mail Sessions	Chartea	nd Graphs			
Failed (0)		FileT3		ring Dashboard 🖗			
Critical (0)	Deployments	• <u>ЛА</u>	 Monito 	ring pashboard e			
Overloaded (0)		OSGi Frameworks					
Warning (0)	Your Application & Security Settings						

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



· · · ·				-		•
to Services	Name 🗞	State	Health	Туре	Targets	Deployment Order
-WTC Servers	orade.wsm.console.core.view(1.0,12.1.3.0)	Active		Library	AdminServer	311
How do I	oracle.wsm.seedpolicies(2.0, 12. 1. 3)	Active		Library	AdminServer, BAMServer, SOAServer	100
Install an enterprise application Configure an enterprise application		Active	🖋 ок	Resource Adapter	SOAServer	328
Update (redeploy) an enterprise application Start and stop a deployed enterprise application		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	CradeBPMWorkspace	Active	🖋 ок	Enterprise Application	SOAServer	383
Failed (0) Critical (0)	崎 orai 18n-adf(11, 11. 1. 1. 1)	Active		Library	AdminServer, BAMServer, SOAServer	100
Overloaded (0) Warning (0)	nowasp.esapi(2.0, 12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
OK (2)	⊘ SAPAdapter	Installed		Resource Adapter		335
	⊡SimpleApprovalTaskFlow	Active	🖋 ок	Enterprise Application	SOAServer	386
	C Rosa-infra	Active	🖋 ок	Enterprise Application	SOAServer	350
	€ soa-webapps	Active	🖋 ок	Enterprise Application	SOAServer	360
	🜓 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
	UDX(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	
	5 BpmAppServiceBean	EJB	
	BPMDataObjectSecurityService	EJB	
	BPMNActivityManagerBean	EJB	
	BPMNAudit TrailBean	EJB	
	BPMNClusterBean	EJB	



Workflow Task Service Properti × Se	ttings for BPELEngineBean 🗙 🜔	http://ofss222nitFilter=true × 🜔 Connecting	× New Tab × +
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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 TheousL, 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 E38 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	ЕЈВ	
BPELDispatch BPELDeliveryBean, Level 3, 20 of 106	EJB	
BPELEngineBean	EJB	
BPELFinderBean	EJB	
BPELInstanceManagerBean	EJB	
BPELKeyGeneratorBean	ЕЈВ	
BPELProcessManagerBean	EJB	
BPELSensorValuesBean	EJB	
BPELServerManagerBean	EJB	
BPELTestInstanceManager	EJB	
BpmAGProcessBrokerServiceBean	ЕЈВ	
BpmAppServiceBean	ЕЈВ	
BPMDataObjectSecurityService	EJB	
BPMNActivityManagerBean	EJB	
BPMNAudit TrailBean	EJB	
BPMNClusterBean	EJB	
BPMNDeliveryBean	EJB	
BPMNDispatcherBean	EJB	
BPMNEngineBean	EJB	
BPMNFinderBean	EJB	



	Type:	stateless	The EJB type (session, entity, or message). More Info
	Transaction Type:	Container	The bean's transaction type. More Info
	EJB Class Name:	com.collaxa.cube.engine.ejb.impl.bpel.BPELDeliveryBean	EJB Class Name More Info
	- Pool Configuration		
łow do I E	Initial Beans in Free Pool:	200	The initial number of beans in the free pool. More Info
Configure Version 2.X EJBs 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 EJB 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. More Info
• Stop EJBs 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
Health of Running Servers	— Enterprise Bean Configu	ration	
Failed (0) Critical (0)	Network Access Point:		Custom network channel that the EJB uses for network communications. More Info
Overloaded (0) Warning (0) OK (4)	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:	1800	The transaction timeout value, in seconds. More Info
	Save		

- 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
Change Center	🏠 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: dev_domain
View changes and restarts	Home >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	Service Security Notes	
Domain Structure	General JTA JPA EJBS Web Applications Loggi	ng Log Filters	
dev_domain			
Environment Deployments	Save		
Services	Use this page to define the Java Transaction API (JTA) cor	nfiguration of this WebLogic Server d	omain.
Security Realms Interoperability			
Φ ⁺ Interoperability ⊕ - 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
	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. More 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:	H.	Specifies a list of one or more transaction resources (determiners) separated by line breaks. A determiner's in-doubt transaction records are used during transaction recovery when a TLog is not present. More Info
	V 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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Plannend SOA Deployment ▶ te [1.0] Plannend SOA Deployment ▶ te [1.0] Plannend BIPUtili Manage Partitions	Profile BPM BASIC ()	urs 💌 🍓	Recen
비중 BPELCY Work Manager Groups 이렇 SPELCY Resequencing Groups 이렇 BPELCY Service Engines > 이렇 beekyn	Default Query Duration Last 24 Hours (a) Auto Purge Enabled (a)	v the latest data. Click graph to drill down.	ଷ୍ଟ୍ର With ପ୍ରୁ All
BPELLir Bindings Bindings Bindings Services and References	SOA Runtime Health	Adapters Availability	
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Base Server Properties Base Server Properties Cross References CourtentAccountCreationWithCreditFacility Base Server Properties Cross References CourtentAccountCreationWithCreditFacility Token Configurations	All adapter ser System Backlogs	vice endpoints are UP	
BUtility [2.0] Auto Purge SolutiereCLBSORRetail.oanContract [1.0] BEOFXProcess [1.0]	Last* 24 CHours 💌 🤮		
Image: Second	Refresh region to show the latest data.		
배월 InitiateFCUBSORRetail.oanPayment [1.0] 배월 InitiateKYCChedrFCUBSORService [1.0] 배월 InitiateRetail.oanContractFCUBSORService [1.0]	Messages in Queues: BPEL Invoke		
କଞ୍ଚି InitiateRetailLoanPaymentFCUBSORService [1.0] କଞ୍ଚି InitiateRiskEvaluationFCUBSORService [1.0] କଞ୍ଚି KYCCheck [2.0]	BPEL Callback Mediator Parallel Routing		
କଞ୍ଚି KYCCorporateReview (2.0) କଞ୍ଚି KYCReview (2.0) କଞ୍ଚି LimitReview (1.0)			
0 OpenCurrentAccount [2:0] 0 OpenRetailTermDeposit [1:0]	۲		



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SOA		The d	nanges made on this mbean are	not managed by the configuration session. The changes will be applied im	mediately.	. You cannot undo the d	hang
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(iii) default (iii) default (iii) default (iii) default (iii) default (iii) default (iii) default		Show	MBean Information				
배급 AmendFCUBSORNFRetailLoanContract [1.0] 에냅 AmendFCUBSORRetailLoanContract [1.0]		Attributes	Operations Notifications				
Ma AmendRetailLoanContractFCUBSORService [1.0]		Name		Description	Access	Value	
BIPUtility [1.0]		an corgo	o o comerción in conoro	a separate location from the rest of the instance scope data		200000	
BPELCOLLATProcess [1.0]				specify the number of invoke messages that can be kept in the			
BPELCRPClosureProcess [1.0]		22 Mauria		in-memory cache, once the engine hits this limit, it would push the message to dispatcher in-memory cache, instead it would save the	RW	100000	
BPELCRPProcess [1.0]		ZZ MdXIII	luminumberOffmokemessagesti	message to dispatcher in-memory cache, instead it would save the message in the db and these saved messages can be recovered using	RW	100000	
w b bpelcynprocess [1.0]				recovery job, you can use value -1 to disable			
BPELLimitReview [1.0]		22 May 0	ecoverAttempt	This value specifies the maximum number of times an invoke or callback	RW	2	
CIBLProcess [1.0]		25 Maxic	ecoverAttempt	or activity will be recovered	KVV	2	
CloseFCUBSORRetailLoanContract [1.0]	-	24 MinBP	ELWait	The minimum time duration for BPEL to do a real wait that involves a dehydration	RW	2	
CloseRetailLoanContractFCUBSORService [1.0]		25 objec	Namo	The MBean's unique JMX name	R	oracle.as.soainfra.con	6
COLLATProcess [1.0]			/ayDeliveryPolicy	Changes whether the one-way invocation messages are delivered	RW	async.persist	my.
CRDCProcess [1.0]		20 Onev	aybeliver yPolicy		Rvv	asyncipersist	
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]				flag to enable or disable coherence cache for bpel service engine when		Con	
CRPClosureProcess [1.0]		28 Qualit	vOfServiceAuditStorePolicyUse	auditStorePolicy is set to async	RW	false	
CRPProcess [1.0]		29 Qualit	vOfServiceOneWayDeliveryPoli	flag to enable or disable coherence cache for bpel service engine when	RW	false	
CRPProcess [2.0]		-		oneWayDeliveryPolicy is set to async			
CurrentAccountCreationWithCreditFadiity [1.0]		30 Read		If true, it indicates that this MBean is a read only MBean.	R	false	
B DBUtility [1.0]			veryConfig	Recovery Configuration	RW	javax.management.op	enr
BUtility [2.0]			ringMaxMessageRaiseSize	Number of messages to recover during recurring recovery	RW	50	
DisburseFCUBSORRetailLoanContract [1.0]		33 Resta		Indicates whether a restart is needed.	R	false	
EQFXProcess [1.0]			Compliance	Sets how the implementation is compliant to the spec	RW	suggest	
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	
📲 InitiateFCUBSORRetailLoanPayment [1.0]		37 Synch	faxWaitTime	The maximum time a request/response operation will take before it	RW	45	
Ha 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.	R	false	
4 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	
KYCCheck [2.0]		41 Visible		If true, it indicates that this MBean is visible to current user.	R	true	
H KYCCorporateReview [2.0]		•					



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.





Setting up Plug - Ins [February] [2018] Version 14.0.0.0.0

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