Setting up Plug-Ins Oracle FLEXCUBE Universal Banking Release 14.0.0.0 [December] [2017]



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1. Setting Up Plug-Ins

1.1 Introduction

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

1.2 Integrating Oracle FLEXCUBE UBS and BPEL

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

1.2.1 Custom Provider Configuration

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

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

	dministration Console 12c		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security Realms		
Configuration editing is enabled. Future	Home Page		
changes will automatically be activated as you modify, add or delete items in this domain.	- Information and Resources		
Domain Structure	Helpful Tools	General Information	
Dev1201_domain III Environment Deployments Services Services Interoperability III Interoperability III 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 I	Environment	Store-and-Forward Agents JMS Modules	
Search the configuration	Servers	 Path Services 	Diagnostics
Use the Change Center	Clusters Server Templates	 Bridges 	Log Files Diagnostic Modules
Record WLST Scripts	Migratable Targets	Data Sources	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	
Failed (0)	Your Deployed Resources	Mail Sessions EleT3	Charts and Graphs
Critical (0)	Deployments	• TTA	Monitoring Dashboard
Overloaded (0) 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 Nex	
-	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 Prefer	ences 🔝 Record Help	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Securi	ty Realms > myrealm > Providers > FCICustomProvider > Providers	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Authentic	ation Provider	
Domain Structure	Create a new Authen	tication Provider	
Dev 1201_domain	The following properties * Indicates required fields	will be used to identify your new Authentication Provider.	
···Security Realms ⊡ Interoperability	The name of the authentio	cation provider.	
Diagnostics	* Name:	FCJCustomProvider	
	This is the type of authent	tication provider you wish to create.	
	Туре:	FCUBSUserAuthenticator	
How do I 😑	OK Cancel		
Manage security providers			
Configure Authentication and Identity Assertion providers			
System Status	1		
Health of Running Servers			
Failed (0) Critical (0) Overloaded (0) Warning (0) CK (3)			
WebLogic Server Version: 12.1.3.0.0			

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

WebLogic Server A	dministration Consol	e 120								<u> </u>
Change Center	Home Log Out	Preferences 🔤 F	Record Help	٩				١	Velcome, weblogi	c Connected to: Dev1201_domai
View changes and restarts		of Security Realms >m	yrealm >Providers >F	FCJCustomProvider >	Providers					
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.		tion cancelled - no A	uthentication Provid	ers created.						
Domain Structure	Settings for myre	alm								
Dev1201 domain	Configuration L	lsers and Groups	Roles and Policies	Credential Mapping	s Providers	Migratio	on			
Environment Deployments	Authentication	Password Validat	ion Authorization	Adjudication I	Role Mapping	Auditing	Credential Mapping	Certification Path	Keystores	
⊕-Services i-Security Realms ⊕-Interoperability ⊕-Diagnostics	providers in a ser Authentication pr Customize this	curity realm. Differer rovider that allows y s table	nt types of Authenti		designed to acce	ss differer	nt data stores, such a			configure multiple Authentication nfigure a Realm Adapter
	Authentication	Providers								
	New Delete	e Reorder							Sho	owing 1 to 4 of 4 Previous Next
How do I 😑	🔲 Name			D	escription					Version
 Configure Authentication and Identity Assertion providers 	FCJCustom	Provider		A	thentication pro	vider for F	LEXCUBE users			FCUBS 12.1
Configure the Password Validation provider	Trust Servic	e Identity Asserter		Tr	ust Service Iden	tity Asserti	ion Provider			1.0
Manage security providers	DefaultAut	nenticator		w	ebLogic Authent	cation Pro	vider			1.0
 Set the JAAS control flag 	DefaultIder	ntityAsserter		w	ebLogic Identity	Assertion	provider			1.0
Re-order Authentication providers	New Delet	Reorder							Sho	owing 1 to 4 of 4 Previous Next
System Status										
Health of Running Servers										
Faled (0)										
Critical (0)										
Overloaded (0)										
Warning (0)										
OK (3)										
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	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 Realma > Providers > FCICutionProvider > 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	Realms >myrealm >Providers >FCJCustomProvider >Providers >FCJCustomProvider	
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for FCJCustomPro	ovider	
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	Q	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security Realms >myrealm >Provider	s >FCJCustomProvider >Providers >FCJCustomProvider	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings for FCJCustomProvider Configuration		
Domain Structure	Common Provider Specific		
Dev1201_domain H: Environment Deployments H: Services Security Realms H: Interoperability	Save This page allows you to configure additional attributes to the second se	o for this security provider.	
B-Diagnostics	6 Authentication Type:	MSAD •	
	🚓 Ldap Domain Name:	OFSS.COM	
	Security Authentication Type:	simple 💌	
How do I	街 Ldap Server Ip And Port:	localhost389	
No task help found.	🗐 🏀 External Password Required		
System Status Health of Running Servers	🏀 Ldap Server Time Out Duration:	0	
Failed (0)	🗐 近 Msad Or Ldap Login Required		
Critical (0) Overloaded (0) Warning (0) OK (3)	الله المعالم ال Save	jdbc/fcjdevDS	
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al	ll rights reserved. n and/or its affiliates. Other names may be trademarks of their res		

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

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

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

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

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

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

<n1: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 UserIdPattern 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 Entityld element and update the value with the entity name which we have created.

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

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

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

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

Note:- for any misconfiguration in libovd

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

For deleting fcubsAdapter use the below command:

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

Connect to your Administration Server using the following syntax:

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

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

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



1.2.4 Configuring for Multiple Providers for Multiple Entities

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

	Helpful Tools	General Information				
Domain Structure	Configure applications					
eoa_domain Domain Partitions	Configure applications Configure GridLink for RAC Data Source	Common Administration Task Descriptions Read the documentation				
Environment	Configure a Dynamic Cluster	Ask a guestion on My Oracle Support				
Deployments	Recent Task Status	 Ask a question on My Grade Support 				
Services Security Realms	Set your console preferences					
Theroperability	Orade Enterprise Manager					
Diagnostics	Orace Enterprise Manager					
	- Domain Configurations					
	Domain	Resource Group Templates	Interoperability			
	• Domain	Resource Group Templates	WTC Servers Iolt Connection Pools			
	Domain Partitions	Resource Groups				
How do I	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.

ORACLE WebLogic Server A	dministration Console 12c		Ç				
Change Center	🔒 Home Log Out Preferences 🔛 Record Help	Q	Welcome, weblogic Connected to: soa_doma				
View changes and restarts	Home >Summary of Servers >Summary of Security Real	ms >myrealm >Providers >FCUBS >Summary of Security Rea	Ims >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 multiple						
Domain Structure		but only one can be set as the default security realm, whi					
soa_domain @-Domain Partitions @-Environment Deployments @-Services	This Security Realms page lists each security realm the format of the security realm the security real the s	at has been configured in this WebLogic Server domain. C	lick 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 >Summar	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 Pol	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 EBBs. If 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	thorization Provid	Authorization providers to determine whether a JM				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

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

	dministration Console 12c
Change Center	🕜 Home Log Out Preferences 🔤 Record Help
View changes and restarts	Home >FCUBS >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Reorder Authentication Providers OK Cancel
Domain Structure	Reorder Authentication Providers
soa_domain Domain Partitions Deployment Deployments Services	You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter the authentication sequence. Select authenticator(s) in the list and use arrows to move them up and down in the list.
Security Realms	
∯-Interoperability I∯-Diagnostics	Available: Ø Burthron FCUBS Trust Service Identity Asser DefaultJuthentityAsserter
How do I	
Re-order Authentication providers Set the JAAS control flag	OK Cancel
System Status	
Health of Running Servers	
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)	
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8. Click the Provider that we have created.

Change Center	🛍 Home Log Ou	🟦 Home Log Out Preferences 🔤 Record Help							Welcome, weblog	ic Connected to: soa_dom
View changes and restarts	Home >myrealm >	Home >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID >Providers								
Configuration editing is enabled. Future	Settings for myrealm									
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration	Users and Groups	Roles and Policies	Credential Mappin	gs Provider	s Migrati	on			
Jomain Structure	Authentication	Password Valida	tion Authorization	Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path		
pa_domain ● Domain Partitions ● Environment ● Dervices ● Services ● Services ● Services ● Partices ● Interoperability ● Diagnostics		s table						orovider in a security r s LDAP servers or DBM	IS.	ure multiple Authentication
	🔲 Name			I	Description					Version
	ENTITYID			1	Authentication provider for FLEXCUBE users					FCUBS 12.2
low do L 🖃	FCUBS			1	uthentication pr	ovider for F	LEXCUBE users		FCUBS 12.2	
Configure Authentication and Identity	Trust Serv	ce Identity Asserter		T	rust Service Ide	ntity Assert	ion Provider		1.0	
Assertion providers	DefaultAut	henticator		٧	WebLogic Authentication Provider					1.0
Configure the Password Validation provider	🔲 DefaultIde	ntityAsserter		٧	WebLogic Identity Assertion provider					1.0
Manage security providers Set the JAAS control flag Re-order Authentication providers	New Dele	Reorder							Showing	1 to 5 of 5 Previous Next
System Status										
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)										

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

	ministration Console 12c									
Change Center	🔞 Home Log Out Preferences 🙆	Record Help	Welcome, weblogic Connected to: soa_d							
View changes and restarts	Home >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID >Providers >ENTITYID									
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for ENTITYID									
modify, add or delete items in this domain.	his domain. Configuration									
Domain Structure	Common Provider Specific									
soa_domain	Save									
Environment Deployments	This page allows you to define the	general configuration of this provider.								
Services Security Realms	僓 Name:	ENTITYID								
Interoperability Diagnostics	(E) Description:									
	修 Version:	FOUBS 12.2								
	🚝 Control Flag:	SUFFICIENT								
How do I	Save									
No task help found.										
System Status 🛛										
Health of Running Servers										
Failed (0)										
Critical (0)										
Overloaded (0) Warning (0)										
ОК (3)										
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10. Select the provider specific tab .

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

hange Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: soa_do
iew changes and restarts	Hone >Summary of Security Realms >myrealm >Summ	ary of Security Realms >myrealm >Providers >ENTITYID >Providers	>ENTITYID >Providers >ENTITVID
onfiguration editing is enabled. Future	Settings for ENTITYID		
anges wil automatically be activated as you odfy, add or delete items in this domain.	Configuration		
omain Structure	Cormon Provider Specific		
domain Domain Partitions	Save		
Environment Deployments	This page alows you to configure additional attribut	es for this security provider.	
-Services -Security Realms	👩 Ldap Server Ip And Port:	localhost 389	
-Interoperability -Diagnostics	de JND1Name:	jdbc/fcjdevDS	
	🗐 🏀 External Password Required		
	Ldap Server Time Out Duration:	0	
w do L. E	🗑 🖉 Multi Entity Enabled		
No task help found.	Security Authentication Type:	simple 💌	
stem Status E aith of Running Servers	🛃 Entity Id:	ENT1	
Failed (0) Critical (0) Overloaded (0)	🦺 Ldap Domain Name:	OFSS.COM	
Warning (0) OK (3)	🗍 🛃 Ldap SSLEnabled		
	📕 👩 Msad Or Ldap Login Required		
	a Authentication Type:	MSAD •	
	Save		
lebLogic 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 Realms >myrealm >Summary of Secur	ty Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID >P	roviders >ENTITVID
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		
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- 13. Create the new datasource for each entity with the JNDI name which we mapped in the property file.
- 14. Restart the Admin server
- 15. Continue the step1 to step15 for each provider creation in multientity scenario.



1.2.5 Configuring DBAdapter

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

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

Change Center	1	🏦 Home Log Out Preferences 🗟 Record Help									
View changes and restarts		Home > Summary of Deployments									
Configuration editing is enabled. Future	5	ummary	of Deployments								
changes will automatically be activated as you modify, add or delete items in this domain.	Control Monitoring										
Ormain Structure evi201_domain 9 Environment - Opployments 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)		• 2	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	Welcome, weblogic Connected to: Dev1201_domain								
View changes and restarts	Home >Summary of Deployments >DbAdapter									
Configuration editing is enabled. Future	Settings for DbAdapter									
changes will automatically be activated as you modify, add or delete items in this domain.	Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes									
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'.

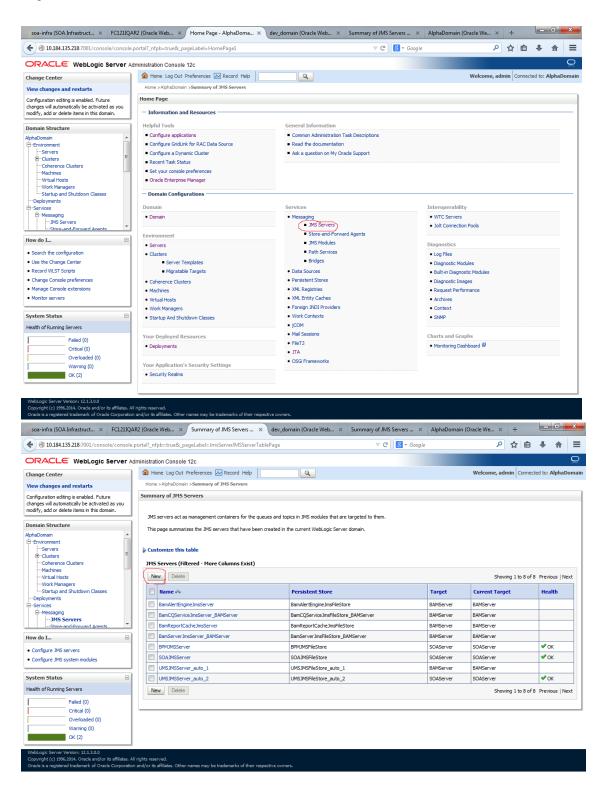
	dministration	Console 12c									Ç
Change Center	숨 Home	Log Out Prefer	rences 📐 Re	cord Help		٩				Welcome,	weblogic Connected to: Dev1201_dom
View changes and restarts	Home >Su	ummary of Deplo	yments >DbAda	spter							
Configuration editing is enabled. Future changes will automatically be activated as you	Settings fo			ectionFactory							
modify, add or delete items in this domain.	General	Properties	Transaction	Authentication	Connectio	in Pool Log	iging				
Domain Structure	This pag	e allows you to	view and modif	y the configuration	n properties (of this outbou	nd connection po	ool. Properties you mo	odify here are saved to	a deployment	t plan.
Dev1201_domain		nd Connection									
Deployments Services Security Realms	Save										Showing 1 to 8 of 8 Previous Next
 ● Interoperability ● Diagnostics 	Proper	ty Name 🚕		Property Type	Pr	roperty Valu	ie			Su	pports Dynamic Updates
	DataSou	rceName		java.lang.String	jdb	jdbc/fcjdevDS				fals	e
	DefaultNChar			java.lang.Boolean		false			fals	e	
	Platform	PlatformClassName		java.lang.String		org.edipse.persistence.platform.database.Orade 10Platform			fals	e	
	Sequenc	ePreallocationSi	ze	java.lang.Integer	50	50				fals	e
	UsesBate	chWriting		java.lang.Boolean	tru	rue		fals	e		
How do L	UsesNat	iveSequencing		java.lang.Boolean	n tru	Je				fals	e
Configure outbound connection pool	UsesSkip	Locking		java.lang.Boolean	n tru	Je				false	e
properties	XADataS	SourceName		java.lang.String						fals	e
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)											
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affilates. Al Oracle is a registered trademark of Oracle Corporation			s may be traden	arks of their respect	tive owners.						

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



1.2.6 Configuring JMS Adapter

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



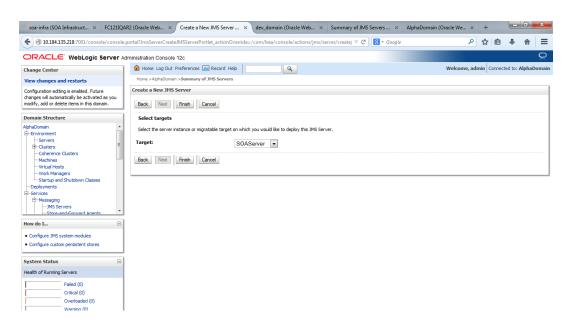


 Please provide the below Name for JMS Server and select the file persistent store as below→Next

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

2. Select the target as SOA Server \rightarrow Finish

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





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

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Critical (0)

Overloaded (0)

Warning (0) OK (2)

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

Your Application's Security Settings

Security Realms

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



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OSGi Frameworks

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

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

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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=Colusters ■ H=Colusters ■ H=Colument = 100000000000000000000000000000000000	3MS system resources are configured and stored distributed queues, distributed topics, foreign ser * Indicates required fields						ies.
Work Managers	What would you like to name your System Module?	?					
	* Name: FCI	UBSJMSModule					
	What would you like to name the descriptor file name	me? If you do not provide a name, a def	ault will be assigned.				
How do I	Descriptor File Name:						
Configure JMS system modules	Where would like to place the descriptor for this Sy	ystem Module, relative to the jms configu	ration sub-directory of your domain?				
Configure JMS servers	Location In Domain:						
System Status	Back Next Finish Cancel						
Health of Running Servers							
Failed (0) Critical (0) Overloaded (0) Warning (0) Oir (2)							
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. All i Oracle is a registered trademark of Oracle Corporation :	rights reserved. and/or its affiliates. Other names may be trademarks of the	eir respective owners.					



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View changes and restarts	Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Hodules
Configuration editing is enabled. Future	Create JHS System Module
changes will automatically be activated as you modify, add or delete items in this domain.	Back Neat Finish Cancel
Domain Structure	The following properties will be used to target your new JMS system module.
AlphaDomain	Use this page to select the server or cluster on which you would like to deploy this JMS system module. You can reconfigure targets later if you wish. Targets :
Virtual Hosts Work Managers	
Startup and Shutdown Classes	Servers
DeploymentsServices	AdminServer
-Messaging -JMS Servers -Store-and-Forward Agents -	BAHServer
How do I	SoAServer
Configure JMS system modules Configure JMS servers	Book Ned Printh Cancel
System Status	
Health of Running Servers	
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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
Hersaging	This page summarizes the JMS res destination quota, distributed des				ueue and topic destinations, connect	ion factories, JMS templates, destination sort keys,
How do I 🗉	Customize this table					
No task help found.	Summary of Resources					
System Status 🖂	New Delete					Showing 0 to 0 of 0 Previous Next
Health of Running Servers	🔲 Name 🖘	Туре	JND	I Name	Subdeployment	Targets
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5. Go back to JMS Modules→FCUBSJMSModule→New

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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 informatio	n about a JMS system m	odule and its resources. It also allows you to	configure new resources and access existing resources.	
Coherence Clusters	Name:	FCU	3SJMSModule	The name of this JMS system module. M	ore Info
Machines	Descriptor File Name: This page summarizes the JMS resour destination quota, distributed destina	ces that have been cre		The name of the JMS module descriptor fi	
How do I	Summary of Resources				
No task help found.	New Delete				Showing 0 to 0 of 0 Previous Next
	📃 Name 🗇	Туре	JNDI Name	Subdeployment	Targets
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6. Click on Connection Factory→ next→Create the connection Factory with the below Names→Next

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w changes and restarts	Home > AlphaDomain > Summary of JMS Servers > Summary of JMS Modules > FCUBSJMSModule > Sumr JMS Modules > FCUBSJMSModule	mary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >Summary of
figuration editing is enabled. Future nges will automatically be activated as you lify, add or delete items in this domain.	Create a New JMS System Module Resource	
nain Structure	Back Next Finish Cancel	
aDomain A	Choose the type of resource you want to create.	
-Servers -Coherence Clusters	Use these pages to create resources in a JMS system module, such as queues, topics, templates, Depending on the type of resource you select, you are prompted to enter basic information for cr	reating the resource. For targetable resources, like stand-alone queues and topics, connection
····Machines ····Virtual Hosts ····Work Managers	factories, distributed queues and topics, foreign servers, and JMS SAF destinations, you can also targetable resources with subdeployments, which is an advanced mechanism for grouping JMS mo	
Startup and Shutdown Classes Deployments Services	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info
	O Queue	Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More Info
v do L ionfigure quotas for destinations ionfigure JMS templates	⑦ Торіс	Defines a publish/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info
infigure destination keys infigure topics infigure queues	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 clients. More Info
onfigure connection factories	Distributed Topic	Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clents. More Info
onfigure uniform distributed queues onfigure foreign servers onfigure JMS SAF	Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info
tem Status 🖂	🛇 Quota	Controls the allotment of system resources available to destinations. More Info
th of Running Servers Failed (0)	Destination Sort Key	Defines a unique sort order that destinations can apply to arriving messages. More Info
Critical (0) Overloaded (0) Warning (0)	🔘 JMS Template	Defines a set of default configuration settings for multiple destinations. More 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 cluster that is imported into the local cluster or server instance, so that the local server instance - cluster can send messages to the remote



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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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. Advanced Targeting to use the subdeployment mechanism for targeting this 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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Configuration editry is enabled. Future Amarges in all annotaticity 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 accountingly of the second outget your in the second outget youtget your in the second outget youtget youtget your in t	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						
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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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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	
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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	
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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	ı sort keys,
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Servers	Configuration Subdeployments	Targets Security	Notes			
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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.	
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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

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Spring of the second	usters E wherence Clusters schines tual Hosts	Depending on the type of resource you select, you are p factories, distributed queues and topics, foreign servers,	rompted to enter basic information for creating the resol , and JMS SAF destinations, you can also proceed to targ	urce. For targetable resources leting pages for selecting appr	opriate server targets. Yo		
	/ments es	Connection Factory				ers that are used	to
Image: register of destinations Image: register of destinations Defines a nuclei for destination type, which are used for advised destination type, and the advised destinated advised destination type, and the advised d	JMS Servers			peer communications. A	message delivered to a qu		
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to remote destinations. More info		Remote SAF Context		destination is exported	from. It also contains the s	security credentials	s to be
Back Ned Frish Cancel		SAF Error Handling				ails to forward mes	isages
		Back Next 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

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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					
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Configure quotas for destinations							
Configure JMS templates Configure destination keys							
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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 buttor. 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
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System Status	Back Next Finish Cancel
Health of Running Servers	
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omain Structure	The JMS Que	ue was created suc	cessfully											
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Virtual Hosts Work Managers Startup and Shutdown Classes Deployments	Name: FOLBSJMSModule The name of this JMS on							of this JMS system module. N	lore Info					
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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

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E	GWWebServices (12.1.0.0.0)	Active	🖋 ОК	Enterprise Application	SOAServer	600			
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E	SchapAdapt JmsAdapter, Level 1, 19 of 46	Installed		Resource Adapter		332			
E]	Active	🖋 ок	Resource Adapter	SOAServer	327			
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E] 😺 OracleAppsAdapter	Active	🖋 ок	Resource Adapter	SOAServer	328			
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	B COracleBPMWorkspace	Active	🖋 ок	Enterprise Application	SOAServer	383			
]	Installed		Resource Adapter		335			
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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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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			
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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
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	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
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 12. Click on the Outbound connection pool with **eis/Queue/Noti**f and enter the connection factory location as **jndi/FCUBSConnectionfactory**→press Enter and Save

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



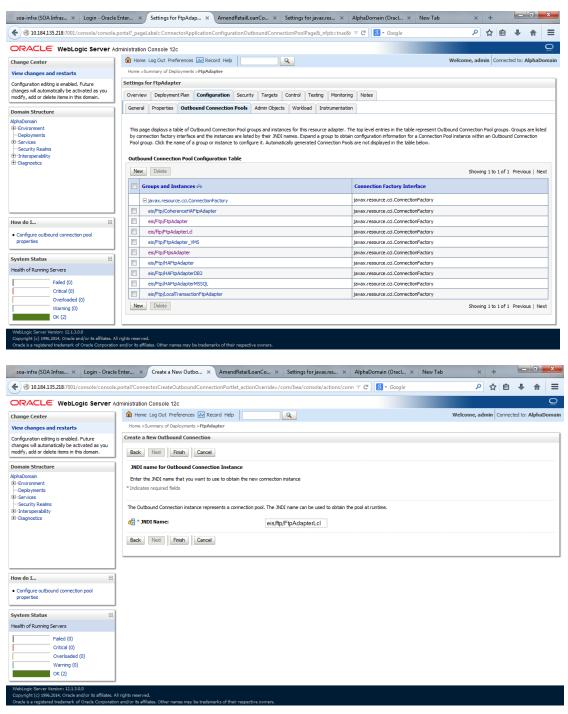
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14. Create the out bound connection pool with the **eis/wls/Queue** name in the Deployments using connection factory jndi/FCUBSConnectionfactory.



1.2.7 Configuring FTP Adapter

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



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



1.2.7.1 BIP Interactive reports configuration

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

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

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

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- 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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- 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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				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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- 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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🗄 🚞 Business Intelligence	Select the grantees (user, group	or application role) you want to ac	ld to the policy.					
🗉 🛅 Metadata Repositories	👍 Add 🛛 💥 Delete							
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		authenticated-role	Authenticated Role					
		anonymous-role	Anonymous Role					
				OK Cancel]			
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- 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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- 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 .

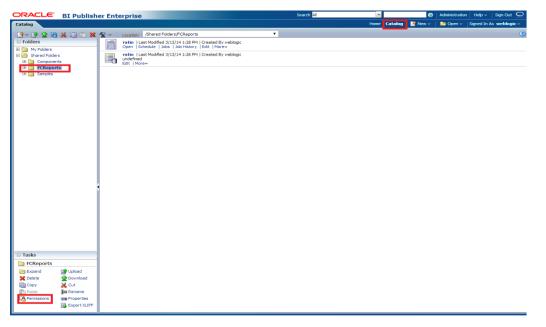
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 Click on the Roles and Permission under Security center and check if the added role(in em) is displayed, If not restart the servers.

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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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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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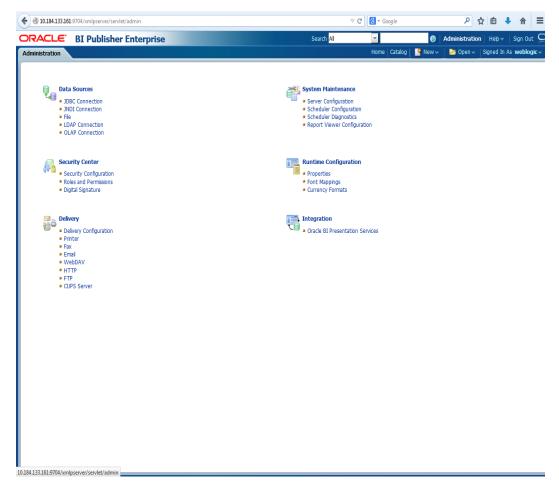


Now the reports in the folder will be accessed accordingly based on the roles.

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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	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					
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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					
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	Password	Test Connection					
		reac connection					

16. Add the fcubs roles to allowed Roles under security

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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

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	ſ		Name 🙈	State	Health	Туре	Targets	Deployment Order
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Install an enterprise application			E Coposti	Active	🛩 ок	Enterprise Application	soa_server1	313
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Update (redeploy) an enterprise application		-	Bancomposer	Active	V UK	Application	Dam_server1	500
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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
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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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UK (5)											
WebLogic Server Version: 12.1.3.0.0											
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

ORACLE WebLogic Server Adr	ninistration Conso	ole 12c								
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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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	Deployment		/ scratch/ app/ fr Plan3. xml	nw12c/ Mid	dleware/ s	oa/ bam/ a	pplications/			the deployment plan document on the n Server. More Info
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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>
<pre><variable-assignment></variable-assignment></pre>
<name>oracle.adf.view.rich.security.FRAME_BUSTING</name>
<xpath>/web-app/context-param/[param-</xpath>
name="oracle.adf.view.rich.security.FRAME_BUSTING"]/param-value
<pre><origin>planbased</origin></pre>



- Services - Security Realms - Interoperability - Diagnostics	- C-	stomize this table							
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	8	FieAdapter			Active	🛩 ок	Resource Adapter	soa_server1	321
	8	E Cofrevvo			Installed		Enterprise Application		100
	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



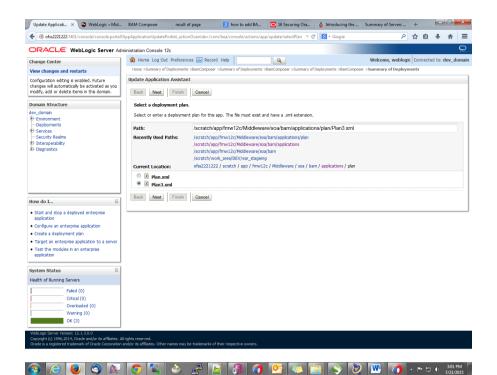
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Warning (0) OK (3)	2	Default ToDo TaskFlow	Active	🛩 ок	Enterprise Application	soa_server1	314
OK (3)			Active	🛩 ок	Web Application	AdminServer, bam_server1,	5

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
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	Deployment plan path: /scratch/	app/fmw12c/Middleware/sc	a/bam/applications/plar	/Plan3.xml Change Path
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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





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OK (3)							Resource		
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12. Restart the BAM Composer application in the console

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		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

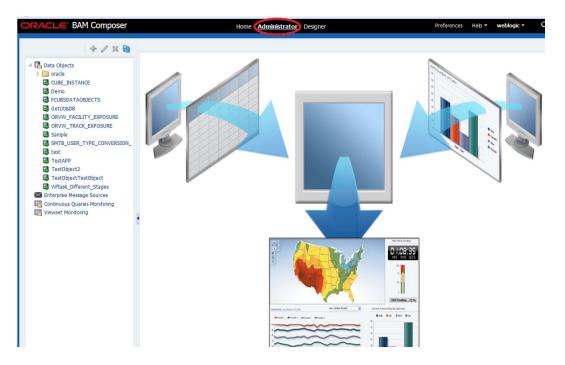
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	VerD Home Monitoring Control Logs Security Ap	nirrerent from application name. Role Name Starts With 💌	a registered. These are also applica Logic Domain, use the <u>Qracle Web</u> I urce	tion roles that are created in the co	ntext of end users accessing the

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



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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 (team server1) Metadata Report (team server1) 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

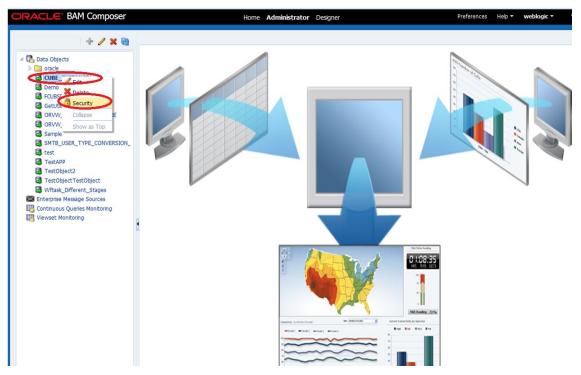
16. Select the Type as Group and add principle details be referring the below screen shot.



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	Home Administrator Designer Preferences	Help 🔻	weblogic *
+ / × @	GetUtilsDB (Security) ×		() 🛛
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	2. Deny Permission OK Cancel View) () () () () () () () () () () () () ()	



20. Move the ALLROLES-000 to Selected members.

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	2. Deny Permission OK Cancel Vew Vew Vew Vew Vew Vew 		

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

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🗟 test	88 ALLROLES-000							
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TestObject2	BAMContentCreator			(m)				
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	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

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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

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26. Click on ADD button Under Grant Permission.

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	BAMContencoreacc								
	2. Deny Permission	d 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.

DRACLE' BAM Composer	Home Administrator Designer	Preferences	Help 🔻	weblogi	c - C
FCUBS_BAM_Report 🗷	FCUBS_BAM_Report (Security) ×				⊘ ⊠ -
FCUBS_BAM_Report =	FUBS_BAM_Report Security Full Name /project/FCUBS_BAM_Report Owner Type USER Owner Name weblopic 1. Grant permission Add Application Roles, Groups and Users Name Selected Hembers BadArchitect ALLROLES-000 BPHContent/Vewer > QK Cancel				3 D + Save

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 ₩ KPIs ▷ 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 vie	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
		New Delete	le						Showir	ng 1 to 10 of 568 Previous Ne
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"



	Administration Consol	0		Q						
Change Center		ferences 🔤 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 modify, add or delete items in this domain.	Create a New Group									
Domain Structure										
IPM_domain B=Environment Deployments B=Services	Group Properties The following properti * Indicates required fiel	es will be used to identify your new Grou ds	ıp.							
Security Realms B7-Interoperability B7-Diagnostics	What would you like to * Name:	name your new Group?								
	How would you like to a Description:	describe the new Group? User group for IPM]						
	Please choose a provid	er for the group.								
How do I	Provider:									
Create groups	TTOVIACI.	DefaultAuthenticator 💌								
Modify groups	OK Cancel									
Delete groups										
Create users										
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. All Oracle is a registered trademark of Oracle Corporation	l rights reserved. and/or its affiliates. Other na	mes may be trademarks of their respective .	owners.							

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

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

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



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

ORACLE WebCenter Conter	t: Imaging Laged in as webset, Help Refresh Preferences Laged, About	Q
ම මි Searches USER_JD	Create Projection Document Security The Security and Projection Security Create Applications Document Security Create Applications Document Security Projections Create Applications Documents Security Securi	Cancel Back Next Submit
ම ණී Tools ම 9, Manage Searches ලී USB ුඩ	relate failing ingen to de application content, peet la de soue plus due fonde en la del marte en la del peet en la de soue plus de fonde en la del peet en	
2 2 Munge Applications 3	Kd Scaunty Header Brit packit as used for analytic streps whether the relation of the streps of t	
Image Inputs Image Connection Image Sconty Image Sconty Image Sconty		Pagi Sidant



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

ORACLE WebCenter Content	: Imaging					Logged in as	weblogic Help Ro	fresh	Preferences Logout Abo	
USER_ID	USER_ID: Search Summary								🖉 Modify 🗙 Delete 👔	Close
8 월 Tools 고 역, Manage Searches USER JD	Properties Search Name USER_D Description Instructions Maximum Search Results 0 Results Formatting									
	Source Application DOCID FLEXCUBE DOCID	Document Cr Date Document Cr	B)		Document Batch In					
	Conditions Application: FLEXCUBE (Field Opera Document Greated Conta Parameters		Value Parameter	- Document Creat	ed By)	Conjunction	
	Parameter Name Prompt Text	Operator Te	xt De	efault Value	Picklist	Required	Read Only			
	Document Created Document Created	Contains								
	⊡Security									
	Type Security Member	View	Modify	Delete	Grant Access					
	Administrators	~	~	×	×					
	□ Audit History	~								
	Date Type 7/2/2014 Definition Create	User Name ARU1								
	7/4/2014 Definition Modify	weblogic								
🗉 🔁 Manage Applications	7/4/2014 Definition Modify 7/4/2014 Definition Modify	weblogic weblogic								
Manage Inputs	7/4/2014 Definition Modify	weblogic								
Manage Connections	7/4/2014 Definition Modify 7/4/2014 Definition Modify	weblogic weblogic								
Manage Security										

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



ORACLE' WebCenter Conten	t: Imaging	Logged in as weblogic Help Refresh Preferences Logout About 🔘
ା <mark>ଥିର Searches</mark> USER ୁID	Properties Results Formatting Conditions Parameters Security Provide search Security Provide search Security Provide search searc	Cancel Back Next, Schmt
Fools	Type Security Member View Modify Delete Grant Access	
USER_ID	Administrators	
EI Es Manage Applications PI Es Manage Inputs DI Manage Connections BI Manage Security	Add Security Hember Use the side is to search for groups or users. Use the test into the search for groups memory the Wish for discrete for any search sea	

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>

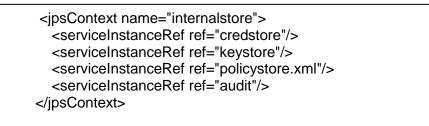
b. Similarly, Search for '<serviceInstances>' tag and add the following code between '<serviceInstances>' and '</serviceInstances>' tags.

<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" td=""></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.

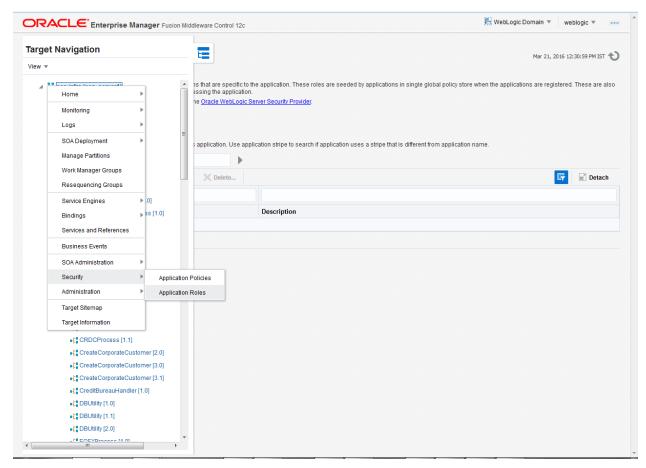


c. Search for '<jpsContexts default="default">' tag and add the following code between '<jpsContexts default="default">' and '</jpsContexts>', preferably after the default 'jpsContext'.



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 w.		
	wareAdministrator		SOA Middleware A	dministrator	A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always res		
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		
	ditViewer		SOA Audit Viewer F		SOA audit viewer role, can view audit records		
	orkflowAdmin		BPM Workflow Sys		BPM Workflow Administrator Application Role		
	orkflowCustomize		BPM Workflow Cus		BPM Workflow Customize Application Role		
BPMAGAdmin BPM Activity Guide Admin Role BF					BPM Activity Guide Administrator Application Role		
	BPMOrganizationAdmin BPM Organization Admin role BP		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			on	A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security poli,		
	Deployer		Composite Deployer for the Default P			. A deployer is responsible for deploying new applications, upgrading existing applications, and managing the continuous integrati	
	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	SOA Audit Admin Role SOA audit administrator role, can perform audit configuration and administration		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.

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

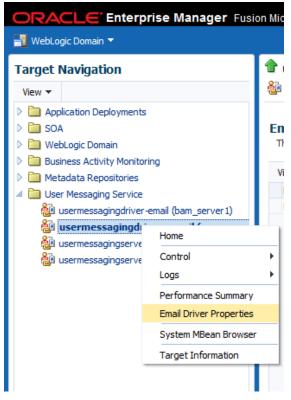


6. Click Ok .

1.2.11 Email Driver Configuration

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

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



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



CRACLE Enterprise Manager Fus	on Middleware Control 12c	🔬 weblogic 🔻 🔘
Target Navigation	👕 usermessagingdriver-email 💿 🍰 User Messaging Email Driver ▼	Logged in as weblogi ci 📃 ofss2221222.in.orade.com Page Refreshed J un 11, 2015 11:09:57 AM IST 🖒
Application Deployments SoA Comparison MebLogic Domain Business Activity Monitoring	Edit Driver Properties	OK Cancel
Hetadsta Repositores Hetadsta Rep	Name FCUBS121 Driver Type User Messaging Email Driver	Supported Protocols SMTP Supported Carriers Use Sender Addresses Sender Addresse EMA]LIXXX@xxx.xom Cot EMA]LIXXX@xxx.xom Cot Speed Supports Cancel Supports Status Poling Supports Status Poling

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 Frequency	The frequency to permanently remove deleted messages. The unit is in seconds and the default value is 600 seconds. A negative value indicates the messages should not be expunged. For the POP3 protocol, the message is expunged after it is processed.			600	
	Whether the driver should mark the messages deleted after they have been				-

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



Driver-Specific Configurat	tion				
Name	Description	Mandatory	Encoded Credential	Value	
Outgoing Mail Server	The name of the SMTP server. Mandatory only if e-mail sending is required.			XXXXX	^
Outgoing Mail Server Port	Outgoing Mail Server Port			25	
	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

ORACLE' E	Enterprise Manager Fu	sion Middleware Control 12c	🙎 weblogic 👻 🔘
Target Navigation View ▼ > □ Application Depleter		Processing and the second se	Logged in as weblogic 🗐 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:15:16 AM IST 💍
 A portunitive solution A sol		Hader Task Information Al 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 Text Notification Service	PRelated Links - Apply Revert
usermessa 🖁	Service Engines Bindings Services and References Business Events	* Email : From Address XxX@XXX.com = * Email : Actionable Address ggg@ggg.com * Email : Reply To Address XXX@XXX.com =	
	SOA Administration Security Administration Target Information	Common Properties Ication Configuration Properties BPEL Properties BPNN Properties Mediator Properties	
		Workflow Properties B2B Server Properties Cross References Taken Configurations Auto Purge	

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

1.2.12 TimeOut Settings for BPEL

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



10.184.135.218:7001/console/cor	nsole.portal?_nfpb=true&_pageLabel=HomePage1	⊽ (f Google	م	☆ 🛍	€ 1	î î
	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.	u 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.



· · · ·				-		
Services Security Realms Interoperability	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	CracleAppsAdapter	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	⊡OradeBPMProcessRolesApp	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
ОК (2)	SAPAdapter	Installed		Resource Adapter		335
	€ To Simple Approval TaskFlow	Active	🖋 ок	Enterprise Application	SOAServer	386
	C Rosa-infra	Active	🖋 ок	Enterprise Application	SOAServer	350
	C 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 × +
@ 10.184.135.218:7001/console/consol	e.portal?_nfpb=true&_pageLabel=EJBCo	mponentConfigurationPage&handle=com.bea.console.handles 🤝 🥰	😢 - Google 👂 🏠 自 🖡 🎓 🚍
Virtual Hosts	Name:	BPELEngineBean	The name of this bean. More Info
Work Managers Startup and Shutdown Classes	Туре:	stateless	The EJB type (session, entity, or message). More Info
Deployments EP-Services	Transaction Type:	Container	The bean's transaction type. More Info
Security RealmsInteroperabilityWTC 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 EJB should remain in the cache or free pool before it is passivated or removed. More Info
-	- Enterprise Bean Configuration	I	
Critical (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 EB type (session, entity, or message). More Info The bean's transaction type. More Info an EB Class Name More Info The initial number of beans in the free pool. More Info The initial number of beans in the free pool. When an EB bean in the free pool of for the number of beans in the free pool. When an EB bean in the free pool of pre transformed from the free pool of the number of beans in the free pool approaches the maximum beans in the free pool before it is passivated or removed. More Info The initial number of beans in the free pool approaches the maximum beans in the pool before it is passivated or removed. More Info The security principal of the in the DB uses for network communications. More Info Cactors network channel that the EB uses for network communications. More Info The principal to be used as the run-as principal for a bean that has an onymous principal. More Info The principal to be used when gb/Peaste would otherwise run with an anonymous principal. More Info The principal to be used when gb/Peaste would otherwise run with an anonymous principal. More Info The DIO name of an EBJ, resource, or reference in WebLogic Server. More Info The JDO name of an EBJ, resource, or reference in WebLogic Server. More Info The JDO name of an EBJ, resource, or reference in WebLogic Server. More Info The JDO name of an EBJ, resource, or reference in WebLogic Server. More Info The JDO name of an EBJ, resource, More Inf
iervices ier	JNDI Name:		
	Local JNDI Name:		The JNDI name for a bean's local Home. More Info
	🚯 Dispatch Policy:		
	Transaction Timeout:	300	The transaction timeout value, in seconds. More Info
		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	
BPELAudit TraiBean	EJB	
BPELCacheRegistryBean	EJB	
BPELCacheStoreBean	EJB	
BPELClusterBean	EJB	
E BPELDelivervBean	EJB	
BPELDispatch BPELDeliveryBean, Level 3, 20 of 106	EJB	
BPELEngineBean	EJB	
BPELFinderBean	EJB	
BPELInstanceManagerBean	EJB	
BPELKeyGeneratorBean	EJB	
BPELProcessManagerBean	EJB	
BPELSensorValuesBean	EJB	
BPELServerManagerBean	EJB	
BPELTestInstanceManager	EJB	
BpmAGProcessBrokerServiceBean	EJB	
BpmAppServiceBean	EJB	
BPMDataObjectSecurityService	EJB	
BPMNActivityManagerBean	EJB	
BPMNAuditTrailBean	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	Â
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: dev_domain	
View changes and restarts	${\sf Home} > {\sf Summary of Deployments} > dev_domain$			
Configuration editing is enabled. Future	Settings for dev_domain			
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Monitoring Control Security Web Security	ervice Security Notes		
Domain Structure	General JTA JPA EJBs Web Applications Logging	Log Filters		
dev_domain	Save			
Deployments Services Security Realms Hoteroperability	Use this page to define the Java Transaction API (JTA) confi	ments >dev_domain In Oring Control Security Web Service Security Notes EBS Web Applications Logging Log Fitters It the Java Transaction API (JTA) configuration of this WebLogic Server domain. 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 express, the transaction subtractive Time active transaction is allowed to be in the first phase of a two-phase commit transaction manager persists in attempting to complete the Basic More Info reation Limit: 10 The maximum number of cycles that the transaction manager first phase for which statistics are maintained. More Info tistics: 1000 The maximum number of smultaneous in-progress transactions allowed in a server in this WebLogic Server domain. More Info seconds: 300 The interval at which the transaction manager creates a new transaction by the delated. More Info seconds: 300 The interval at which the transaction manager or creates a new transaction file and indicates are on the meet of the Meet Info Specifies a lat of one or more determines are configured More Info Specifies whether the transaction manager reates a new transaction recovery logs are written even if one or more determines are configured. More Info Specifies a lat of one or more transaction recovery when a TLog is not present. More Info Specifies whether the transaction manager automatical or logs		
⊕ - Diagnostics	Timeout Seconds:	3600	transaction is allowed to be in the first phase of a two-phase commit transaction. If the specified amount of time expires, the	E
	Abandon Timeout Seconds:	86400	transaction manager persists in attempting to complete the	
How do I 🖂 • Configure domain JTA options	Before Completion Iteration Limit:	10	performs the beforeCompletion synchronization callback for this	
Configure advanced domain JTA options	Max Transactions:	10000		
System Status Health of Running Servers	Max Unique Name Statistics:	1000		
Failed (0) Critical (0) Overloaded (0)	Checkpoint Interval Seconds:	300	transaction log file and checks all old transaction log files to see if	
Warning (0) OK (4)	Write recovery logs when determiners configured	Service Security Notes g Log Filters figuration of this WebLogic Server domain. 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 specifies and und to time express, the transaction is automatically roled back. More Info 86400 Specifies the maximum amount of time, in seconds, an active transaction is automatically roled back. More Info 10 The maximum number of cycles that the transaction manager performs the beforeCompletion synchronization calback for this WebLogic Server domain. More Info 100 The maximum number of cycles that the transaction manager performs the beforeCompletion synchronization calback for this WebLogic Server domain. More Info 10000 The maximum number of simultaneous in-progress transactions allowed on a server in this WebLogic Server domain. More Info 10000 The maximum number of unique transaction names for which statistics are maintained. More Info 10000 The interval at which the transaction manager creates a new transaction to glies to see if they are ready to be deleted. More Info 300 The interval at which the transaction recovery logs are written even if one or more dramsaction recovery when a TLog is not present. More Info Specifies a list of one or more transaction recovery when a TLog is not present. More Info Specifies whether the transaction manager automatically performs an		
	Determiners:		(determiners) separated by line breaks. A determiner's in-doubt transaction records are used during transaction recovery when a	
	☑ Forget Heuristics			

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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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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rget Navigation	s	system ME	Bean Browser				
20 -	1	Applicatio	on Defined MBeans: BF	PELConfig:bpel		Apply	Re
Application Deployments		(i) Infor	mation				
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
4 器 soa-infra (SOAServer)			he Change Center.				
(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	luminumberOntrivokemessagesti	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	
CloseRetailLoanContractECUBSORService [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]		~		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 <u>Running Backend Scripts</u>

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.quartz-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 [December] [2017] Version 14.0.0.0.0

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