Setting up Plug-Ins Oracle Banking ELCM Release 14.5.5.0.0 Part No. F57977-01 [May] [2022]



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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	
Dev 120 1_domain	<ul> <li>Configure applications</li> </ul>	<ul> <li>Common Administration Task Descriptions</li> </ul>	
Environment     Deployments	<ul> <li>Configure GridLink for RAC Data Source</li> </ul>	<ul> <li>Read the documentation</li> </ul>	
Services	Configure a Dynamic Cluster     Recent Task Status	<ul> <li>Ask a question on My Oracle Support</li> </ul>	
Security Realms	Set your console preferences		
	Orade Enterprise Manager		
	— Domain Configurations		
	Domain	Services	Interoperability
	Domain	Messaging	WTC Servers
		<ul> <li>JMS Servers</li> </ul>	Jolt Connection Pools
How do L	Environment	<ul> <li>Store-and-Forward Agents</li> </ul>	
	Servers	<ul> <li>JMS Modules</li> </ul>	Diagnostics
Search the configuration	Clusters	Path Services     Didee	Log Files
Use the Change Center	<ul> <li>Server Templates</li> </ul>	<ul> <li>Bridges</li> </ul>	Diagnostic Modules
Record WLST Scripts	<ul> <li>Migratable Targets</li> </ul>	Data Sources	Built-in Diagnostic Modules
Change Console preferences     Manage Console extensions	Coherence Clusters	Persistent Stores	Diagnostic Images
Monitor servers	Machines	XML Registries     XML Entity Caches	Request Performance
Monitor servers	Virtual Hosts	Foreign JNDI Providers	Archives
System Status	Work Managers	Work Contexts	Context
	Startup And Shutdown Classes	iCOM	SNMP
Health of Running Servers		Mail Sessions	
Failed (0)	Your Deployed Resources	Fiel3	Charts and Graphs
Critical (0)	Deployments	• JTA	Monitoring Dashboard
Overloaded (0)		OSGi Frameworks	
Warning (0)	Your Application's Security Settings		
OK (3)	Security Realms		
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. /	All sinkle assessed		
	ui rignis reserved. on and/or its affiliates. Other names may be trademarks of their respe	active owners.	

5. Click on myrealm.



Change Center 🕼 Home Log Out Preferences 🔤 Record Help	Q Welcome, weblogic Connected to: Dev1201_domain
	weicome, webiogic Connected to: Dev1201_domain
View changes and restarts Home >Summary of Security Realms	
Domain Structure security realms in a WebLogic Server domain, but only one can be set	ss, security roles, security policies, and security providers—that are used to protect WebLogic resources. You can have multiple the default (active) realm. This WebLogic Server domain. Click the name of the realm to explore and configure that realm. Showing I to I of 1 Previous   Next true Showing I to I of 1 Previous   Next
How do I	
Configure new security realms     Delete security realms     Change the default security realm	,
System Status	
Health of Running Servers	
Faled (0)           Oritical (0)           Overholded (0)           Watupe Serverson           Watupe Serverson: 11.1.3.0           Copyright (1) 199-3030, Crack and(or to affidate, All rights nearwed,	

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

Settings for myrealm - so ×	Oracle Software Delivery × V 10.184.132.64:8080/ddltc	× 🖉 BUG × V 🖸 SearchSoftware ×	
$\leftrightarrow$ $\rightarrow$ C (1) 10.184.132.228:80	)1/console/console.portal?_nfpb=true&_pageLabel=Rf	ealmprovidersTabPage&handle=com.bea.console.handles.Security	MBeanHandle%28"Security%3A 🍳 🛧 💩 🚺 🚦
ORACLE WebLogic Server Adr	inistration Console 12c		Q
Change Center	🏦 Home Log Out Preferences 🔛 Record Help	<u>Q</u>	Welcome, weblogic Connected to: soa_server_bpel
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Settings for myrealm Configuration Users and Groups Roles and Policies Credential M	Mappings Providers Nigration	
Lock & Edit	Authentication Password Validation Authorization Adjudicatio	on Role Mapping Auditing Credential Mapping Certification Path	
Release Configuration			
Domain Structure	An Authentication provider allows WebLogic Server to establish trust by Different types of Authentication providers are designed to access diffe	yy validating a user. You must have one Authentication provider in a security realm, and you constructed that stores, such as LDAP service or DBMS	an configure multiple Authentication providers in a security realm.
soa_server_bpel	binerenc opes of Audientication providers are designed to access unre	sent della stores, socii as LDAP servers di DDHS.	
Domain Partitions     Environment	Customize this table		
Deployments	Authentication Providers		
-Services -Security Realms			
Interoperability     Diagnostics	kew Dilete Reorder		Showing 1 to 4 of 4 Previous   Next
dr Diagnostics	Name	Description	Version
	FCJCustomProvider	Authentication provider for FLEXCUBE users	FCUBS 12.2
	Trust Service Identity Asserter	Trust Service Identity Assertion Provider	1.0
	DefaultAuthenticator	WebLogic Authentication Provider	1.0
How 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   Next
Configure the Password Validation provider			
Manage security providers			
Set the JAAS control flag			
<ul> <li>Re-order authentication providers</li> </ul>			
System Status			
Health of Running Servers as of 6:37 AM			
Failed (0)			
Critical (0)			
Overloaded (0) Warning (0)			
OK (2)			
WebLogic Server Version: 12.2.1.2.0 Copyright (c) 1996,2016, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation	irights reserved. and/or its affiliates. Other names may be trademarks of their respective owners.		



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

	Administration Consol	e 12c	Ŏ					
Change Center	Home Log Out	Preferences 🔤 Record Help	Welcome, weblogic Connected to: Dev1201_domain					
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers >PCIOuttomProvider >Providers							
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Aut	thentication Provider						
Domain Structure	Create a new	Authentication Provider						
Dev 120 1_domain	The following properties will be used to identify your new Authentication Provider. * Indicates required fields							
Security Realms ⊕-Interoperability ⊕-Diagnostics	The name of the a	uthentication provider.						
	name.	FCJCustomProvider						
	This is the type of	authentication provider you wish to create.						
	Туре:	FCUBSUserAuthenticator						
How do I	OK Cancel							
Manage security providers								
Configure Authentication and Identity     Assertion providers	]							
System Status 🖃	i i							
Health of Running Servers								
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)								

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

OK (3)

WebLogic Server A	dministration Consoli	e 12c								
Change Center	🏦 Home Log Out Preferences 🖾 Record Help							۷	Velcome, webl	logic Connected to: Dev1201_dor
View changes and restarts         Home > Summary of Security Realms >myrealm >Providers >PCIQuationProviders >PCIQuationProviders >Providers >Pr										
Domain Structure	Securings for myre	am								
Dev1201 domain	Configuration U	sers and Groups	Roles and Policies	Credential Mappin	gs Providers	Migrati	ion			
Environment     Deployments     Services	Authentication					Auditing	Credential Mapping	Certification Path		can configure multiple Authentication
∰-Interoperability ⊕-Diagnostics	providers in a sec	urity realm. Differer ovider that allows yn table Providers	nt types of Authenti	cation providers are	designed to acco	ess differe	nt data stores, such a		MS. You can also	an configure a Realm Adapter
How do I										
	🔲 Name				Description					Version
<ul> <li>Configure Authentication and Identity Assertion providers</li> </ul>	FCJCustomProvider				uthentication pro	vider for F	FLEXCUBE users			FCUBS 12.1
Configure the Password Validation provider	Trust Service Identity Asserter Trust					Trust Service Identity Assertion Provider			1.0	
<ul> <li>Manage security providers</li> </ul>	DefaultAuthenticator WebLogic Authentication Provider								1.0	
Set the JAAS control flag	DefaultIdentityAsserter WebLogic Identity Assertion provider						1.0			
Re-order Authentication providers  System Status	New Delete	Reorder								Showing 1 to 4 of 4 Previous   Next
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	Il rights reserved.									



	dministration Console 12c	Q
Change Center	🟦 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home > Summary of Security Realms > myrealm > Providers > FCJCustomProvider > Providers	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Reorder Authentication Providers           OK         Cancel	
Domain Structure	Reorder Authentication Providers	
Dev 2012, domain → Environment → Deployments → Services → Ser	You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter 1 Select authenticator (s) in the list and use arrows to move them up and down in the list.	the authentication sequence.
How do I 🖂		
Re-order Authentication providers     Set the JAAS control flag	OK Cancel	
System Status		
Health of Running Servers		
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (3)		
WebLogic Server Version: 12.1.3.0.0		

#### 9. Click on FCJCustomProvider.

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

ORACLE WebLogic Server	Administration Console 12c		Ŏ					
Change Center	Home Log Out Preferen	ices 🔤 Record Help	Welcome, weblogic Connected to: Dev1201_domain					
View changes and restarts Home >Summary of Security Realms >myrealm >Providers >FCICustomProvider >FCICustomProvide								
Configuration editing is enabled. Future	Settings for FCJCustomPr	Settings for FOCustomProvider						
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration							
Domain Structure	Common Provider Spec	ific						
Dev 120 1_domain	Save							
Deployments     Services	This page allows you to de	fine the general configuration of this provider.						
Security Realms	🎼 Name:	FC3CustomProvider						
Diagnostics	Description:	Authentication provider for FLEXCUBE users						
	街 Version:	FCUBS 12.1						
	🟀 Control Flag:	SUFFICIENT						
How do I	Save							
No task help found.								
System Status E	1							
Health of Running Servers								
Failed (0)								
Critical (0) Overloaded (0)								
Warning (0)								
OK (3)								
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- 11. In Provider Specific tab
  - a) Set JNDIName as Flexcube JNDI Name.
  - b) If external authentications are used in FCUBS then Fill the Ldap/MSAD related fields.



	dministration Console 12c		Q					
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	٩	Welcome, weblogic Connected to: Dev1201_domain					
View changes and restarts	Home >Summary of Security Realms >myrealm >Provider	rs >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 Services Security Realms B Interoperability	Save This page allows you to configure additional attributes C de Ldap SSLEnabled	s for this security provider.						
B - Diagnostics	E Authentication Type:	MSAD 💌						
	🚝 Ldap Domain Name:	OFSS.COM						
	Security Authentication Type:	simple 💌						
How do I	🎉 Ldap Server Ip And Port:	localhost389						
No task help found.	🔲 街 External Password Required							
System Status	🏀 Ldap Server Time Out Duration:	0						
Failed (0)	🗐 近 Msad Or Ldap Login Required							
Critical (0) Overloaded (0) Warning (0) OK (3)	6 JNDIName:	jdbc/fcjdevDS						
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996.2014, Oracle and/or its affiliates. Al	Il rights reserved. n and/or its affilator. Other names may be trademarks of their re							

12. For manually editing the config.xml go to the below path and open the config.xml file <ORACLE\_HOME>\Middleware\user\_projects\domains\base\_domain\config\ The following codes need to be added at proper locations in the config.xml.

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

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

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

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

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



fcubs\_adapter.xml

- 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.
- Copy the fcubs\_adapter\_<EntityId>.xml to '<MIDDLEWARE\_HOME>/oracle\_common/modules/oracle.ovd/templates/

1	0	0.1	87	ħ,
	_	_	_	-1

fcubs\_adapter\_ EntityId.xml



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 in lower case.

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

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

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

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

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

8. Serach for ou=fcubs and update with enity id in lower case.

EX : ou= EntityId

9. 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>

- 10. Repeat from step2 to step7 for each entity creation
- 11. 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')



Note the following:

• In case of Multi Entity, all data sources must be created separately for each entity. The JNDI name will be differentiated by suffixing entity name.

Examples: If Data source is 'jdbc/fcjDevDs' then jdbc/fcjDevDs+entity name will be lookup the application. (jdbc/fcjDevDs+entity name) jndi should be presented in application server.

 For multi teant deployment BPMN support will be available only for the logged entity.

#### 1.2.4 Configuring for Multiple Providers for Multiple Entities

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

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

3. Click on myrealms.



	dministration Console 12c							
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: soa_de					
View changes and restarts	Home >Summary of Servers >Summary of Security Realms >myrealm >Providers >FCUBS >Summary of Security Realms >myrealm >Summary of Security Realms >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			ty realm, which is reserved for domain administrative purposes.					
soa_domain Domain Partitions Deployment Deployments Descrites	This Security Realms page lists each security realm the security realm	hat has been configured in this WebLogic Serv	er donain. Click the name of the realm to explore and configure that realm.					
Security Realms	Realms (Filtered - More Columns Exist)							
<ul> <li>Interoperability</li> <li>Diagnostics</li> </ul>	New Delete Showing 1 to 1							
	🔲 Name 🌣	Default Realm						
	myrealm	true						
	New Delete		Showing 1 to 1 of 1 Previous   Ne					
How do I 🗉								
Configure new security realms								
Enable automatic realm restart								
Delete security realms     Change the default security realm								
Change the default security ream								
System Status								
Health of Running Servers								
Faled (0)           Critcal (0)           Overloaded (0)           Warning (0)           OK (3)								
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#### 4. Click on Providers.

ORACLE WebLogic Server Adm	ninistration Cons	ole 12c										
Change Center	Home Log O	lut Preferences 🔛	Record Help	Q			Welcome, weblogic Connected to: soa_do					
View changes and restarts	Home >Summar	y of Security Realms >n	myrealm >Providers :	>FCUBS >Summary of Secu	rity Realms >m	ealm >Summary of Security Realms >myrealm >Summa	ary of Security Realms >myrealm					
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 Policie	es Credential Mappings	Providers	Migration						
Domain Structure	General RD	BMS Security Store	User Lockout P	erformance	Pr	riders- Tab						
sea_domain @*Domana Pattions @*Environment I*Depolyments @*Services *Services @*Interoprebably @*Deponotics	Note: If you		urity using JACC (Ja	,		as defined in JSR 115), you must use the DD Only s in Comoie are disabled.	ecurity model. Other WebLogic Server models are					
	Name:		m	yrealm		The name of this security re	alm. More Info					
	👸 Security H	Iodel Default:	[	DD Only	•		ty model for Web applications or EJBs that are Im. You can override this default during					
How do L. • Configure new security realms • Enable automatic realm restart	🗹 👘 Combir	ned Role Mapping E	Enabled			application, and EJB contain	appings in the Enterprise Application, Web rers interact. This setting is valid only for Web use the Advanced security model and that initialize riptors. More Info					
Manage security for Web applications and EJBs     Set the default security model	🗐 僓 Use Au	thorization Provid	ers to Protect JP	1X Access		Authorization providers to o	erver MBean servers to use the security realm's determine whether a JMX client has permission to or invoke an MBean operation. More Info					
Delegate MBean authorization to the realm	Automatic	ally Restart After I	Non-Dynamic Ch	anges			n will be auto-restarted if non-dynamic changes oviders within the realm. More Info					
Health of Running Servers	Retire Timeou	ıt:	f	50			for a realm that is restarted. The old realm will be d timeout period has elapsed. More Info					
Faled (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (3)	- D Advanced	i				and down of certains agree in	u ulicour, period into edupeut Poure ulito					

5. Click on New



Change Center	Home Log Out Preferences 🛽	Record Help	Q			Welcome, weblogic Connected to: soa							
View changes and restarts	Home >myrealm >Providers >FCUBS	5 >Summary of Security Realms >myreal	m >Summary of Security Rea	lms >myrealm >Summary of Se	ecurity Realms >myreal	lm >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												
Domain Structure	Authentication Password Vali	dation Authorization Adjudicatio	n Role Mapping Audi	ing Credential Mapping	Certification Path								
oa, Jonan © Convan Pettons © Environment — Deployments — Security Realms — Security Realms © Intercopresibility © Diagnostics		WebLogic Server to establish trust by rrent types of Authentication provider				tain, and you can configure multiple Authentics S. Showing 1 to 4 of 4 Previous							
	Name		Description			Version							
	FCUBS		Authentication provider	for FLEXCUBE users		FCUBS 12.2							
How do I 🖂	Trust Service Identity Asser	ter	Trust Service Identity A	Trust Service Identity Assertion Provider									
Configure Authentication and Identity	DefaultAuthenticator		WebLogic Authenticatio	WebLogic Authentication Provider									
Assertion providers	DefaultIdentityAsserter		WebLogic Identity Asse	1.0									
Configure the Password Validation provider     Manage security providers     Set the JAAS control flag	New Delete Reorder					Showing 1 to 4 of 4 Previous							
Re-order Authentication providers													
System Status 🖂	]												
Health of Running Servers													
Failed (0)													

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

ORACLE WebLogic Server		-
Change Center	🕜 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: soa_dor
View changes and restarts	Home >FCUBS >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security	rity Realms >myrealm >Providers >ENTITYID > <b>Providers</b>
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Authentication Provider	
Domain Structure	Create a new Authentication Provider	
soa_domain	Create a new Audientication Provider The following properties will be used to identify your new Authentication Provider . * Indicates required fields	
E-Services Security Realms	The name of the authentication provider.	
⊕-Interoperability ⊡-Diagnostics	* Name: ENTITYID	
	This is the type of authentication provider you wish to create.  Type: FCUBSUserAuthenticator	
How do L	OK Cancel	
<ul> <li>Manage security providers</li> </ul>		
Configure Authentication and Identity     Assertion providers		
System Status	1	
Health of Running Servers		
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)		
OK (3)		
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates.	All rights reserved. on and/or its affiliates. Other names may be trademarks of their respective owners.	

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



Change Center	🏦 Home Log Out Preferences 🗟 Record Help 📃 🔍 🦉 Welcome, weblogic Connected to: soa_dom
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 ₱°Environment	You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter the authentication sequence.
I <sup>→</sup> Deployments	Contraction Providers:       Available:       Image: Contraction Providers:       Available:       Image: Contraction Providers:       Default/Authenticator       Image: Default/Authentic
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)	

#### 8. Click the Provider that we have created.

hange Center	Home Log O	ut Preferences 🔤	Record Help		٩				Welcome, weblogic Connected	d to: soa_dor				
fiew changes and restarts	Home >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID >Providers													
onfiguration editing is enabled. Future	Settings for my	Settings for myrealm												
hanges will automatically be activated as you odify, add or delete items in this domain.	Configuration	Users and Groups	Roles and Policies	Credential Mappin	gs Providers	Migratio	n							
omain Structure	Authenticatio	n Password Valida	ion Authorization	Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path						
a_domah 2*Domain Partitions 2*Environment **Deployments 3*Services **Security Realms **Interoperability * Diagnostics	An Authenticat providers in a s Customize th Authentication	ecurity realm. Differe iis table n Providers	ebLogic Server to esi nt types of Authentii	ablish trust by valia ation providers are	dating a user. You designed to acc	ı must have ess differen	one Authentication ; t data stores, such a	provider in a security r s LDAP servers or DBM	ealm, and you can configure multiple A S. Showing 1 to 5 of 5 P					
	Name			1	Description				Version	revious   nex				
	ENTITYID			1	uthentication pro	vider for FL	EXCUBE users		FCUBS 12.2					
ow do I 🗉	FCUBS			4	uthentication pro	vider for FL	EXCUBE users		FCUBS 12.2					
Configure Authentication and Identity	Trust Ser	T	rust Service Ider	tity Assertio	on Provider		1.0							
Assertion providers	📃 DefaultAu	thenticator		V	WebLogic Authentication Provider 1.0									
Configure the Password Validation provider	📃 DefaultId	entityAsserter		V	WebLogic Identity Assertion provider 1.0									
Manage security providers Set the JAAS control flag	New Del	Reorder							Showing 1 to 5 of 5 P	revious   Next				
Re-order Authentication providers														
ystem Status 🛛 🖂 ealth of Running Servers														
Failed (0)														

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



	ministration Console 12c		
Change Center	lome Log Out Preferences	Record Help	Welcome, weblogic Connected to: soa_d
View changes and restarts	Home >Summary of Security Real	ns >myrealm >Summary of Security Realms >myrealm >Providers >El	ITITYID >Providers >ENTITYID >Providers >ENTITYID
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for ENTITYID		
modify, add or delete items in this domain.	Configuration		
Domain Structure	Common Provider Specific		
soa_domain 🕀 Domain Partitions	Save		
Environment     Deployments	This page allows you to define	he general configuration of this provider.	
Services     Security Realms     Theroperability     ⊡agnostics	🚱 Name:	ENTITYID	
	Description:	Authentication provider for FLEXCUBE users	
	🔁 Version:	FCUBS 12.2	
	👸 Control Flag:	SUFFICIENT -	
How do I	Save		
No task help found.			
System Status			
Health of Running Servers			
Failed (0)			
Critical (0) Overloaded (0)			
Warning (0)			
OK (3)			
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation		e trademarks of their respective owners.	

#### 10. Select the provider specific tab .

	ministration Console 12c		Ģ							
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	٩	Welcome, weblogic Connected to: soa_doma							
View changes and restarts	Home >Summary of Security Realms >myrealm >Summar	ry of Security Realms >myrealm >Providers >ENTITYID >Provider	rs >ENTITYID >Providers >ENTITYID							
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for ENTITYID									
modify, add or delete items in this domain.	Configuration									
Domain Structure	Common Provider Specific									
soa_domain Domain Partitions	Save									
Environment     Deployments	This page allows you to configure additional attributes for this security provider.									
Services     Security Realms	🕂 Ldap Server Ip And Port:	localhost389								
B∸Interoperability B∸Diagnostics	費 JNDIName:	jdbc/fcjdevDS								
	External Password Required									
	🛃 Ldap Server Time Out Duration:	0								
How do I	🔲 街 Multi Entity Enabled									
No task help found.	Security Authentication Type:	simple 💌								
System Status  Health of Running Servers	🕂 Entity Id:	ENT1								
Faled (0) Critical (0) Overloaded (0)	街 Ldap Domain Name:	OFSS.COM								
Warning (0) OK (3)	🗐 🛃 Ldap SSLEnabled									
	🔲 🕂 Msad Or Ldap Login Required									
	街 Authentication Type:	MSAD 💌								
	Save									
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. All r	rights reserved. and/or its affiliates. Other names may be trademarks of their re	annañ us suusse								

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							
View changes and restarts	Home >Summary of Security Realms >myrealm >Sum	vary of Security Realms >myrealm >Providers >ENTITYID >Providers >	ENTITYID »Providers »ENTITYID							
Configuration editing is enabled. Future	Settings for ENTITYID									
hanges will automatically be activated as you nodify, add or delete items in this domain.	Configuration									
omain Structure	Cormon Provider Specific									
a_domain Domain Parbitions	Save									
-Environment	This page alons you to configure additional attributes for this security provider.									
™Decoyments ™Services Insecurity Realms Enteroperability Enteroperability	🛃 Ldap Server Ip And Port:	localhost389								
	<b>₫</b> ∃ JNDIName:	jdbc/fcjdevDS								
	External Password Required									
	🖉 Ldap Server Time Out Duration:	0								
iow do L.	🛛 📝 👘 Multi Entity Enabled									
No task help found.										
	Security Authentication Type:	simple -								
ystem Status lealth of Running Servers	Entity Id:	ENT1								
Failed (0)		ENTI								
Critical (0) Overloaded (0)	🛃 Ldap Domain Name:	OFSS.COM								
Warning (0) OK (3)	🔚 😥 Ldap SSLEnabled									
	📕 👘 Msad Or Ldap Login Required									
	🕖 Authentication Type:	MSAD •								
	Save									

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

	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 >Summa	ary of Security Realms >myrealm >Providers >ENTITYID >Providers >E	NTITYID > Providers > ENTITYID									
Configuration editing is enabled. Future	Settings for ENTITYID	Settings for EI/TITYID										
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration											
Domain Structure	Common Provider Specific											
soa_domain È-Domain Partitions	Save											
Environment     Deployments	This page allows you to configure additional attributes for this security provider.											
Services     Security Realms     Definition of the security realms     Interoperability	🏀 Ldap Server Ip And Port:	localhost389										
B-Diagnostics	🏀 JNDIName:	jdbc/fcjdevDS										
How do L 😑	External Password Required											
	🚝 Ldap Server Time Out Duration:	0										
	🖉 🕂 Multi Entity Enabled											
	👸 Security Authentication Type:	simple 💌										
System Status  Health of Running Servers	🚱 Entity Id:	ENT1										
		LINIT										
Faled (0) Critical (0) Overloaded (0)	🎉 Ldap Domain Name:	OFSS.COM										
Warning (0) OK (3)	🗐 🎳 Ldap SSLEnabled											
	📃 👸 Msad Or Ldap Login Required											
	🎉 Authentication Type:	MSAD 💌										
	Save											
Weblack Construction (2.24.6.6	·											
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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		Home I	Log Out Prefere	nces 🔤 Record Help		Q				1	Velcome, weblogic	onnected to: Dev1201_dor
/iew changes and restarts	Hor	me >Su	mmary of Depk	yments								
			of Deploymen									
Configuration editing is enabled. Future hanges will automatically be activated as you				6								
nodify, add or delete items in this domain.	Con	itrol	Monitoring									
omain Structure				()								
/1201_domain				f Java EE applications and from the domain by first s						nstalled applicatio	ns and modules can be s	tarted, stopped, updated
Environment							-					
-Deployments -Services	To	install	a new applicatio	n or module for deployme	nt to targets in t	this domain,	click the Insta	all button.				
-Security Realms												
-Interoperability	🕞 Ci	ustom	ize this table									
Diagnostics	De	ploym	ents									
					op v							
	1	nstall	Update	Delete Start - Sto	yb ∧ di						Showing 1	to 47 of 47 Previous   Next
	E	Na	me 🗇					State	Health	Туре	Targets	Deployment Order
	E	1 @'	AqAdapter					Active	🖋 ок	Resource Adapter	soa_server1	324
w do I 🗉	-		- halve						✓ ок	Enterprise		
Install an enterprise application	E							Active	✓ OK	Application	soa_server1	313
Configure an enterprise application	E		BamCompose	r				New		Enterprise Application	bam_server1	500
Update (redeploy) an enterprise application		-	-0									
Start and stop a deployed enterprise application	E	] ■	BamCQServic	e				New		Enterprise Application	bam_server1	300
Monitor the modules of an enterprise application	E	) H	BamServer					New		Enterprise Application	bam_server1	400
Deploy EJB modules		_								Enterprise		
Install a Web application	E	] ≞	BPMCompose	r				Active	🖋 ОК	Application	soa_server1	385
stem Status 🖂	E	I @	coherence-trans	action-rar				Active	🖋 ок	Resource Adapter	AdminServer, bam_server1, soa_ser	ver1 100
alth of Running Servers	E	1 0	CoherenceAdap	er				Installed		Resource Adapter		331
Failed (0) Critical (0)	E	1 🚳	DbAdapter					Active	🖋 ок	Resource Adapter	soa_server1	322
Overloaded (0) Warning (0)	E	) E	DefaultToDo	askFlow				Active	🖋 ок	Enterprise Application	soa_server1	314
OK (2)	E	) H	DMS Applicat	on (12.1.3.0.0)				Active	🖋 ок	Web Application	AdminServer, bam_server1, soa_ser	ver1 5
	E	) E	⊡ <sup>em</sup>					Active	🖋 ок	Enterprise Application	AdminServer	400
		-							-			



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

hange Center	Home I	Log Out Prefe	erences 📐 Record Help			Q				Welcome, weblogic Connected to: Dev1201_domai
iew changes and restarts	Home >Su	mmary of Depl	oyments >DbAdapter							
onfiguration editing is enabled. Future	Settings fo	r DbAdapte	r							
hanges will automatically be activated as you lodify, add or delete items in this domain.	Overview	Deploymen	t Plan Configuration	Security	/ Targets	Control	Testing	Monitoring	Notes	
omain Structure	General	Properties	Outbound Connection	n Pools	Admin Objec	s Worklo	ad Ins	rumentation		
v:1201_domain PEnvironment Deployments PServices Security Realms -Theroperability +Diagnostics	by conne Pool grou Outboun	ction factory i p. Click the na d Connectio	nterface and the instance	s are listed to config	d by their JND	names. Exp	and a gro	up to obtain	configurati	entries in the table represent Outbound Connecton Pool groups, Groups are listed ion information for a Connection Pool instance within an Outbound Connection galayed in the table below.
	New	Delete								Showing 1 to 1 of 1 Previous   Next
	🔲 Gro	oups and Ins	tances 🗠					Connectio	ion Factory Interface	
	E	avax.resource	e.cci.ConnectionFactory						javax.reso	ource.cci.ConnectionFactory
	New	Delete								Showing 1 to 1 of 1 Previous   Next
ow do L 😑										
Configure outbound connection pool properties										
ystem Status 🖂										
ealth of Running Servers										
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)										

- 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'.



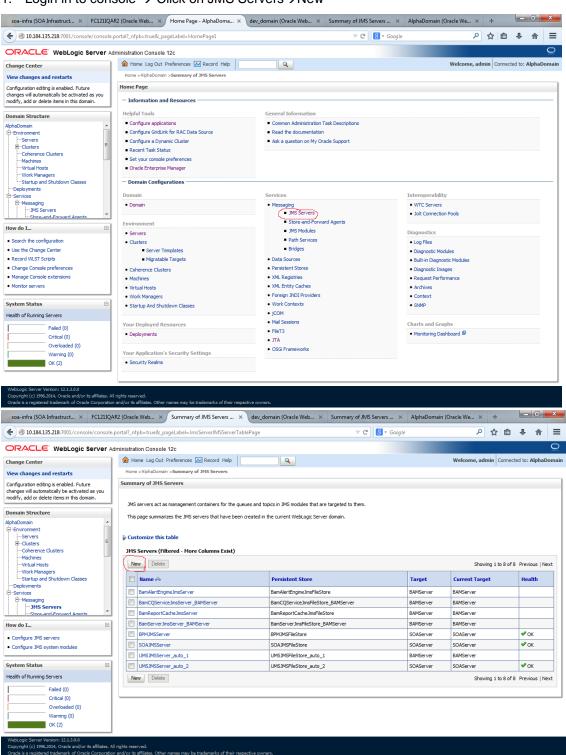
hange Center	1 Home	Log Out Prefer	rences 🔛 Re	ecord Help		Q		Welcon	ne, weblogic Connected to: Dev1201_dom		
/iew changes and restarts	Home >S	ummary of Deplo	yments > <b>DbAd</b>	lapter							
Configuration editing is enabled. Future	Settings f	or javax.reso	urce.cci.Conr	nectionFactory							
hanges will automatically be activated as you nodify, add or delete items in this domain.	General	Properties	Transaction	Authentication	Connection	Pool Logging	]				
omain Structure	This page	e allowe vou to	view and modif	fy the configuration	properties of	this outhound co	nnection pool. Properties you modify here	are saved to a deploye	nent nlan		
ev 120 1_domain B-Environment				ry une configuration	proper des or						
Deployments	Outbou	nd Connection	Properties								
B-Services Security Realms	Save								Showing 1 to 8 of 8 Previous   Next		
E-Interoperability E-Diagnostics	Proper	ty Name 🚕		Property Type	Pro	erty Value		Supports Dy			
	DataSou	rceName		java.lang.String	jdbc,	fcjdevDS			false		
	Default	Char		java.lang.Boolean	false				false		
	Platform	PlatformClassName			org.	dipse.persistend	e.platform.database.Oracle10Platform		false		
	Sequence	ePreallocationS	ize	java.lang.Integer	50				false		
	UsesBat	chWriting		java.lang.Boolean	true				false		
low do I 🗉	UsesNat	iveSequencing		java.lang.Boolean	true				false		
Configure outbound connection pool	UsesSkip	Locking		java.lang.Boolean true				false	false		
properties	XAData	SourceName		java.lang.String					false		
ystem Status 🗉	Save	1							Showing 1 to 8 of 8 Previous   Next		
lealth of Running Servers											
Failed (0)											
Critical (0)											
Overloaded (0)											
Warning (0)											
OK (2)											

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



#### 1.2.6 Configuring JMS Adapter

1. Login in to console  $\rightarrow$  Click on JMS Servers $\rightarrow$ New





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

soa-infra (SOA Infrastruct 🗶 FC121IQA	AR2 (Oracle Web × Create a New JMS Server × dev_domain (Oracle Web × Summary of JMS Servers × AlphaDomain (Oracle We × +	- 0 ->	×
	portal?_nfpb=true&_pageLabel=JmsServerCreateJMSServerBortlet_action0 $\triangledown$ C S - Google	ê <b>↓</b> ♠ :	=
	dministration Console 12c	ç	⊇
Change Center	Home Log Out Preferences Record Help     Welcome, admin     Con	nnected to: AlphaDom	ain
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		
modify, add or delete items in this domain.	Back Next Fridh Cancel		
Domain Structure	JMS Server Properties		
AlphaDomain  -Environment -Servers -Clusters	The following properties will be used to identify your new JMS Server. * Indicates required fields		
Coherence Clusters	What would you like to name your new JMS Server?		
Virtual Hosts Work Managers	d∰ *Name: FCUBSJMSServer		
Startup and Shutdown Classes	Specify persistent store for the new JMS Server.		1
-Services -MessagingJMS Servers	Persistent Store: SOAJMSFileStore   Create a New Store		
How do I	Book Next Finish Cancel		
Configure JMS system modules			
Configure custom persistent stores			
System Status			
Health of Running Servers			
Failed (0)			

#### 3. Select the target as SOA Server $\rightarrow$ Finish

Overloaded (0) Warning (0) OK (2)

soa-infra (SOA Infrastruct × FC1211QA	AR2 (Oracle Web × Create a New JMS Server × dev_domain (Oracle Web × Summary of JMS Servers × AlphaDomain (Oracle We × +	×
10.184.135.218:7001/console/console.j	portal?ImsServerCreateJMSServerPortlet_actionOverride=/com/bea/console/actions/jms/server/createj 🗟 🕑 Google 🖉 🏠 🖨 🖡 🗍	=
	dministration Console 12c	2
Change Center	😭 Home Log Out Preferences 🔤 Record Help 🛛 🔍 Welcome, admin Connected to: AlphaDom:	nain
View changes and restarts	Home >AlphaDomain >Summary of JHS Servers	
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New JMS Server	
modify, add or delete items in this domain.	Back Next Finish Cancel	
Domain Structure	Select targets	
AlphaDomain	Select the server instance or migratable target on which you would like to deploy this JMS Server.	
E-Clusters	Target: SOAServer -	
Coherence Clusters Machines Virtual Hosts Work Managers Startup and Shutdown Classes	Bock Nex Frish Cancel	
Deployments Services Messaging JMS Servers Store-and-Forward Agents Store-and-Forward Agents Store-and-Forward Agents Store-and-Forward AgentsStore-and-Forward Agents		
How do I 😑		
Configure JMS system modules     Configure custom persistent stores		
System Status		
Health of Running Servers		
Failed (0)           Critical (0)           Overloaded (0)           Warring (0)		



10.184.135.218:7001/console/console	le.portal?_nfp	pb=true&_pageLabel=JmsServerJMSServerTa	blePage	⊽ C <sup>e</sup> 🔡 ▼ Google		₽ ☆	自 🖡	Â
	Administrati	ion Console 12c						
hange Center	Hor	ome Log Out Preferences 🔤 Record Help	٩			Welcome, admin	onnected to:	: AlphaDo
ew changes and restarts onfiguration editing is enabled. Future anges will automatically be activated as you odify, add or delete items in this domain.	Messag Al	» >AlphaDomain >Summary of JMS Servers ges II changes have been activated. No restarts are n MS Server created successfully	ecessary.					
omain Structure	Summa	ary of JMS Servers						
phaDomain → Environment → Servers ⊕ Clusters → Coherence Clusters → Machines	E	servers act as management containers for the qu page summarizes the JMS servers that have been		-				
Virtual Hosts								
Work Managers	Cust	tomize this table						
Startup and Shutdown Classes Deployments	1.1	tomize this table Servers (Filtered - More Columns Exist)						
LStartup and Shutdown Classes Deployments 3-Services	1.1	Servers (Filtered - More Columns Exist)				Showing 1 to	9 of 9 Pre	vious   Nex
Startup and Shutdown Classes	JMS	Servers (Filtered - More Columns Exist)	Persistent Store		Target	Showing 1 to		vious   Nex
Startup and Shutdown ClassesDeploymentsServicesMessaging	JMS	Servers (Filtered - More Columns Exist)	Persistent Store BamAlertEngineJmsFleStor	e	Target BAMServer	-		
Startup and Shutdown Classes DeploymentsServices	JMS	Servers (Filtered - More Columns Exist)			-	Current Target		
Shutdown Classes Deployments Services     Messaging     Messaging     More and Enough Appende     wido I Configure JMS servers	JMS :	Servers (Filtered - More Columns Exist)	BamAlertEngineJmsFileStor	_BAMServer	BAMServer	Current Target BAMServer		
L-Startup and Shutdown Classes Deployments Services 	JMS :	Servers (Filtered - More Columns Exist) w Delete Name BanAertEngne.InsSerV Sort table by Name BanCQService.InsServer_BAVServer	BamAlertEngineJmsFileStor	_BAMServer	BAMServer BAMServer	Current Target           BAMServer           BAMServer		
Lastration and Shutdown Classes Deployments Services Messaging Services Servers Servers Configure JMS servers Configure JMS servers Configure JMS servers		Servers (Filtered - Hore Columns Exist) w Deinte Bam Ame  Bam Aler Engine Jungsen (Sont table by Name Bam Opervice Jungserver (BANServer BanReportCache Jungserver)	BamAlertEngineJmsFileStor BamCQServiceJmsFileStore BamReportCacheJmsFileSt	_BAMServer	BAMServer BAMServer BAMServer	Current Target           BAMServer           BAMServer           BAMServer	He	
Startus		Servers (Filtered - Hore Columns Exist)	BamAlertEngine.ImsFileStor BamCQService.ImsFileStore BamReportCache.ImsFileSt BamServer.ImsFileStore_B/	_BAMServer	BAMServer BAMServer BAMServer BAMServer	Current Target           BAMServer           BAMServer           BAMServer           BAMServer           BAMServer	He	salth
Startus		Servers (Filtered - Hore Columns Exist)	BamAlertEngine.msFileStor BamCQService.imsFileStore BamReportCache.imsFileSt BamServer.imsFileStore_BA BPMUMSFileStore	_BAMServer	BAMServer BAMServer BAMServer BAMServer SOAServer	Current Target BAMServer BAMServer BAMServer BAMServer SOAServer	He	OK
L-Startup and Shutdown Classes Opployments Services Websaging W-Messaging Configure 3MS servers Configure 3MS servers Stem Status Stem Status		Servers (Filtered - More Columns Exist)	BanAlertEngine.ImsFleStor BanCQService.ImsFleStor BanRcpottCathe.ImsFleStore_BA BanServer.ImsFleStore_BA BPM.IMSFleStore SOAIMSFleStore	_BAMServer	BAMServer BAMServer BAMServer BAMServer SOAServer SOAServer	Current Target BAMServer BAMServer BAMServer BAMServer SOAServer SOAServer	He	OK OK
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## 4. Go back to Console $\rightarrow$ JMS Modules $\rightarrow$ New

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Home >     Home >       Configuration editing is enabled. Future hanges will automatically be activated as you offy, add redete lems in this domain.     Home >       Domain Structure (hraDomain B-Chatters B-	n Console 12c E Log Out: Preferences @ Record Hebp C AlphaDonan's Summary of 3MS Servers > Summar age mation and Resources Tools Igure applications gure adultik for RAC Data Source Igure a Dynamic Cluster int Task Status our console preferences le Enterprise Manager ain Configurations a	v C v of 3H5 Modules General Information Common Administration Task Descriptions Read the documentation Adk a question on My Orade Support Services Messaging MS Servers	Welcom Unteroperability • WTC Servers	户 ☆ 自	L AlphaDo
Anape Center  View changes and restarts Configuration editing is enabled. Future Images will automatically be activated as you modify, add or delete items in this domain.  Domain Structure  IphaDomain  - Environment  - Servers  - Coherence Clusters - Coherence Clusters - Coherence Clusters - Work Managers - Strutp and Shutdown Classes - Servers - Environment - Servers - Coherence Clusters - Coherence Clu	e Log Out Preferences Record Hebp AlphaDonain >Summary of JMS Serves >Summary sge mation and Resources Tools igure applications gure adplications gure adplications gure adplications gure adplications gure adplications aur console preferences le Enterprise Manager ain Configurations a	y of JHS Hodules  General Information  Common Administration Task Descriptions  Read the documentation  Ask a question on My Oracle Support  Services  Messaging	Interoperability • WTC Servers	ne, admin Connected	d to: AlphaDo
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Confinition Structure     Pervicement	igure applications gure Gridlurk for RAC Data Source (gure a Dynamic Cluster It Task Status le Enterprise Manager ain Configurations	Common Administration Task Descriptions     Read the documentation     Ask a question on My Oracle Support      Services     Messaging	WTC Servers		
Avantam Structure → Environment → Servers → Coherence Custers → Coherence Custers → Coherence Custers → Coherence Custers → Wrtual Hosts → Wrtual Hosts → Wrtual Studiow Classes → Derivers → Servers → Environ → Servers ↓ → NS Servers ↓ → Servers Search the configuration ↓ Search the configuration	igure applications gure Gridlurk for RAC Data Source (gure a Dynamic Cluster It Task Status le Enterprise Manager ain Configurations	Read the documentation     Adk a question on My Oracle Support     Services     Messaging	WTC Servers		
Industrial     I	gure Gridlink for RAC Data Source gure à Dynamic Cluster In Tauk Status le Enterprise Manager ai <b>n Configurations</b>	Read the documentation     Adk a question on My Oracle Support     Services     Messaging	WTC Servers		
Work Managers     Startup and Shutdown Classes     Deployments     Services     Services     Servers     Servers     Servers     Servers     Servers     Server	ain Configurations	Messaging	WTC Servers		
Messaging     Doma     Doma     Doma     Doma     Doma     Doma     Conversed	ain	Messaging	WTC Servers		
Server	ment	Store-and-Forward Agents	<ul> <li>Jolt Connection Pools</li> </ul>		
Search the configuration     Ouse the Change Center		Store-and-forward Agents     JMS Modules	Diagnostics		
	ers	<ul> <li>Path Services</li> </ul>	Log Files		
a lucasa in	<ul> <li>Server Templates</li> </ul>	<ul> <li>Bridges</li> </ul>	Diagnostic Modules		
Record WLST Scripts	<ul> <li>Migratable Targets</li> </ul>	Data Sources	Built-in Diagnostic Modules	s	
Change Console preferences     Cohe	rence Clusters	Persistent Stores	Diagnostic Images		
Manage Console extensions • Mach	ines	XML Registries	<ul> <li>Request Performance</li> </ul>		
Monitor servers     Virtue	al Hosts	XML Entity Caches	Archives		
• Work	Managers	<ul> <li>Foreign JNDI Providers</li> </ul>	Context		
iystem Status 📼 🔹 Starb	up And Shutdown Classes	Work Contexts	SNMP		
lealth of Running Servers		jCOM     Mail Sessions			
Failed (U)	eployed Resources	FileT3	Charts and Graphs		
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Overloaded (0)		OSGi Frameworks			
Warning (0) Your Ap	pplication's Security Settings	- Codi Francisco A			
OK (2) • Secur	rity Realms				
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	Idministration Console 12c				
ange Center	Home Log Out Preferences Record Help Welcom	ne, admin	Connec	ted to: /	lphaDo
ew changes and restarts	Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modules				
nfiguration editing is enabled. Future anges will automatically be activated as you dify, add or delete items in this domain.	Summary of JMS Modules	ates, destina	tion key	s, quota	
main Structure	distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system				
EnvironmentServersServers	This page summarizes the JMS system modules that have been created for this domain.				
Virtual Hosts	JMS Modules				
Work Managers Startup and Shutdown Classes	New Delete	Showing 1 t	o 8 of 8	Previo	us   Nex
Deployments Services İa-Messaging	□ Name ↔	ту	pe		
JMS Servers	BamAlertEngineJmsSystemModule	Sys	tem		
Store-and-Forward Agents	BamCQServiceJmsSystemResource_BAMServer	Sys	tem		
v do I	BamReportCacheJmsSystemModule	Sys	tem		
	BamServerJmsSystemResource	Sys	tem		
onfigure JMS system modules onfigure resources for JMS system modules	BPMJMSModule	Sys	item		
onfigure resources for JMS system modules	SOAJMSModule	Sys	tem		
tem Status 🖂	UMSAQJMSSystemResource	Sys	tem		
Ith of Running Servers	UMSJMSSystemResource	Sys	tem		
Failed (0)	New Delete	Showing 1 t	o 8 of 8	Previo	us   Nex
Critical (0)					
Overloaded (0) Warning (0)					
OK (2)					

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

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Change Center	🏦 Home Log Out Preferences 🔄 Record Help
View changes and restarts	Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modules
Configuration editing is enabled. Future	Create JMS System Module
changes will automatically be activated as you modify, add or delete items in this domain.	Back Ned Finish Cancel
Domain Structure	The following properties will be used to identify your new module.
AlphaDomain      Environment      Servers      Ousters      -Costers     Wachines     With Hosts	INS system resources are configured and stored as modules similar to standard JZEE modules. Such resources include queues, topics, connection factories, templates, destination keys, quota, distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system modules as global system resources.
	What would you like to name your System Module?
Deployments EServices	*Name: FCUBSJMSModule
-MessagingJMS Servers	What would you like to name the descriptor file name? If you do not provide a name, a default will be assigned.
How do I	Descriptor File Name:
Configure JMS system modules	Where would like to place the descriptor for this System Module, relative to the jms configuration sub-directory of your domain?
Configure JMS servers	Location In Domain:
System Status	Back Next Finish Cancel
Health of Running Servers	
Faied (0) Critical (0) Overloaded (0) Warning (0) CK (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. and/or its affiliass. Other names may be trademarks of their respective owners.



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	Iministration Console 12c Q
Change Center	🏦 Home Log Out Preferences 🖂 Record Help 🛛 🔍 Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >AlphaDonain >Summary of JMS Servers >Summary of JMS Hodules
Configuration editing is enabled. Future changes will automatically be activated as you	Create JHS System Hodule
modify, add or delete items in this domain.	Back Next 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 duster on which you would like to deploy this JMS system module. You can reconfigure targets later if you wish.
Servers ⊞-Clusters ≡	
Coherence Clusters	Targets :
Machines	
Work Managers Startup and Shutdown Classes	Servers
Deployments	AdminServer
⊖-Services ⊖-Messaging	
JMS Servers	BAMServer
How do I	☑ S0AServer
Configure JMS system modules	Back Next Frith Cancel
Configure JMS servers	Back Next Frith Cancel
System Status 🖂	
Health of Running Servers	
Failed (0)	
Critical (0) Overloaded (0)	
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ОК (2)	
WebLogic Server Version: 12.1.3.0.0	
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♦ @ 10.184.135.218:7001/console/console.por	tal?_nfpb=true&_pageLabel=JMSSystemModuleConfigGeneralPage&JMSSystemModuleConfigGen 🛡 🕑 🗕 - Google 🔎 🏠 🖻 🌻 🏫 🗮

	Administration Console 12c				Ö	
Change Center	🔒 Home Log Out Preferences 🔤	Record Help	Q	Welcome,	admin Connected to: AlphaDomain	
View changes and restarts	Home > AlphaDomain > Summary of JI	Home > AlphaDomain > Summary of JMS Servers > Summary of JMS Modules > FCUBSJMSModule				
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Messages All changes have been activated The JMS module was created su					
Domain Structure	Settings for FCUBSJMSModule					
AlphaDomain AlphaDomain	Configuration Subdeployments	Targets Security N	otes			
ServersClustersCoherence ClustersMachinesMachines	This page displays general informa	tion about a JMS system mo	dule and its resources. It also allows you to	configure new resources and access existing resources.		
Virtual Hosts Work Managers	Name:	FCUBS	JMSModule	The name of this JMS system module. More	Info	
Startup and Shutdown ClassesDeploymentsServices	Descriptor File Name:	jms/fo	ubsjmsmodule-jms.xml	The name of the JMS module descriptor file.	More Info	
Herein He	This page summarizes the JMS reso destination quota, distributed dest			eue and topic destinations, connection factories, JMS temple	ates, destination sort keys,	
How do I 🗉	Customize this table					
No task help found.	Summary of Resources					
System Status 🖂	New Delete			Sh	owing 0 to 0 of 0 Previous   Next	
Health of Running Servers	🔲 Name 💫	Туре	JNDI Name	Subdeployment	Targets	
Failed (0)			There are no items to	o display		
Critical (0)	New Delete				owing 0 to 0 of 0 Previous   Next	
Overloaded (0) Warning (0)				3	ining o to o or o Trevious I Next	
OK (2)						



6. Go back to JMS Modules→FCUBSJMSModule→New

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Change Center	🙆 Home Log Out Preferences 🔤 F	Record Help	Q	Welcome	e, admin Connected to: AlphaDomain
View changes and restarts	Home > AlphaDomain > Summary of JMS Modules > FCUBSJMSModule	Servers >Summary of JM	5 Modules > FCUBSJMSModule > Summary of JI	IS Modules > FCUBSJMSModule > Summary of JMS Modules >	FCUBSJMSModule >Summary of JMS
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for FCUBSJMSModule				
modify, add or delete items in this domain.	Configuration Subdeployments	Targets Security I	Votes		
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.	
Clusters Coherence Clusters	Name:	FCUE	SJMSModule	The name of this JMS system module. Mo	re Info
Machines Virtual Hosts	Descriptor File Name:	. More Info			
Work Managers     Startup and Shutdown Classes     Oeployments     Oevices     OHessaging     H=Messaging     H=MS Servers     HStree-and-Forward Anents     Stree-and-Forward Anents	This page summarizes the JMS resour destination quota, distributed destina Customize this table Summary of Resources			zue and topic destinations, connection factories, JMS temp	lates, destination sort keys,
How do L					
No task help found.	New Delete				Showing 0 to 0 of 0 Previous   Next
	🔲 Name 🙈	Туре	JNDI Name	Subdeployment	Targets
System Status			There are no items t	o display	
Health of Running Servers	New Delete			2	Showing 0 to 0 of 0 Previous   Next
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)					
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affliates. Al					

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

	portal? nfpb=true& pageLabel=JmsCreateSystemModuleEntity&UmsCreateSystemModuleEntit	tyPortlet 🔻 C 🚼 - Google 👂 🏠 🏚 🐥 🏫
nge Center	Home Log Out Preferences 🔤 Record Help	Welcome, admin Connected to: AlphaDo
v changes and restarts	Home > AlphaDomain > Summary of JMS Servers > Summary of JMS Modules > FCUBSJMSModule > Summ JMS Modules > FCUBSJMSModule	nary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >Summary of
iguration editing is enabled. Future ges will automatically be activated as you fy, add or delete items in this domain.	Create a New JMS System Module Resource	
ain Structure	Back Next Finish Cancel	
Domain ^	Choose the type of resource you want to create.	
nvironment Servers ₽-Clusters	Use these pages to create resources in a JMS system module, such as queues, topics, templates,	
Coherence Clusters     Machines     Virtual Hosts     Work Managers	Depending on the type of resource you select, you are prompted to enter basic information for cra 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	proceed to targeting pages for selecting appropriate server targets. You can also associate
Startup and Shutdown Classes eployments ervices	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info
Store-and-Enrward Agents	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
do I Infigure quotas for destinations Infigure JMS templates	🔘 Торіс	Defines a publish/subsorbe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info
nfigure destination keys nfigure topics nfigure 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
nfgure connection factories nfgure uniform distributed topics nfgure uniform distributed queues	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 clients. <b>More Info</b>
nigure annorm assinguted queues nigure foreign servers nigure JMS SAF	Source Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info
em Status 🖂	🛇 Quota	Controls the allotment of system resources available to destinations. More Info
n 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. Mo 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 or cluster can send messages to the remote



	A Home Log Out Preferences 🗠 Record Help		Welcome, weblogic Connected to: FC141INSTES
Change Center		<u>a</u>	Welcome, Weblogic Connected to: PC1411NSTES
View changes and restarts		PCUBSIMSModule >PCUBSConnectionfactory >Summary of Deployments >Summary of 3M5 Hodules >PCUBSIMSModule	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New JMS System Module Resource           Back         Next         Finish         Cancel		
Lock & Edit Release Configuration Domain Structure FCI4UNSTEST	Connection Factory Properties The following properties will be used to identify your new connection * Indicates required fields	factory. The current module is PCU853H5Hodule.	
Domain Partitions     Environment     Deployments	What would you like to name your new connection factory? * Name:	FCUBSConnectionfactory	
Services     Security Realms		1 Cobsconnectory	
B-Interoperability B-Diagnostics	What INDI Name would you like to use to look up your new connection		
	JND1 Name:	jndi/FCUBSConnectionfactory	
	The Connection Factory Subscription Sharing Policy Subscribers can b	used to control which subscribers can access new subscriptions. Should subscriptions created using this factory be sharable	a?
	Subscription Sharing Policy:	Exclusive *	
Configure quotes for destinations	The Client ID Policy indicates whether more than one 3HS connection subscriptions. What Client ID Policy would you like to use?	can use the same Client ID. Oracle recommends setting the Client ID policy to Unrestricted if sharing durable subscribers. S	ubscriptions created with different Client ID policies are always treated as independent
Configure JHS templates     Configure destination keys	Client ID Policy:	Restricted •	
Configure topics	A connection factory can limit the number of messages that can queu	ed for an asynchronous session. Should this connection factory impose a limit?	
Configure queues     Configure connection factories	Maximum Messages per Session:	10	
Configure uniform distributed topics     Configure uniform distributed queues	Should this connection factory create sessions that are JTA aware, an	d create XA queues and XA topics?	
Configure foreign servers     Configure JMS SAE	XA Connection Factory Enabled		
- compact to be	Should the authenticated user name be attached to sent messages if	the JMS destination is configured to support this behavior ?	
System Status	Attach JMSX UserID		
Health of Running Servers as of 1:13 PM Failed (0)	Back Next Finish Cancel		
Critical (0)			
Overloaded (0) Warning (0) OK (2)			

8. 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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	dministration Console 12c
Change Center	🏦 Home Log Out Preferences 🖾 Record Heb
View changes and restarts	Home >Summary of IMS Modules >FCUBSIMSModule >Summary of IMS Modules >FCUBSIMSModule >FCUBSConnectionfectory >Summary of IMS Modules >FCUBSIMSModule >Summary of IMS Modules >FCUBSIMSModule >Summary of IMS
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New JMS System Hodule Resource
modify, add or delete items in this domain.	Back Ned Finish Advanced Targeting Cancel
AlphaDomain  Alpha	The following properties will be used to target your new JMS system module resource
Servers E Colusters E	Use this page to view and accept the default targets where this JMS resource will be targeted. The default targets are based on the parent JMS system module targets. If you do not want to accept the default targets, then dick <b>Advanced Targeting</b> to use the subdeployment mechanism for targeting this resource.
Machines Virtual Hosts Work Managers	The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retargeted appropriately.
	Targets :
⊕-Messaging	Servers
····JMS Servers ····Store-and-Forward Agents ···	SoAserver
How do I	
Configure quotas for destinations	Back Net Fnish Advanced Targeting Cancel
Configure JMS templates	
Configure destination keys     Configure topics	
Configure topics     Configure queues	
Configure connection factories     Configure uniform distributed topics	
Configure uniform distributed topics     Configure uniform distributed queues	
Configure uniform distributed queues     Configure foreign servers	
Configure INESSAF	
System Status	
Health of Running Servers	
Faled (0)	
Critical (0)	
Overloaded (0)	
Warning (0)	
OK (2)	
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	Administration Console 12c			Q
Change Center		ome, admin Connect	ted to: Alphal	Domain
View changes and restarts	Home >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >FCUBSConnectionfactory >Summary of JMS Modules >FCUBSJMSModule >FCUBSJMSModule >placeholder	5Module >Summary of JP	MS	
Configuration editing is enabled. Future	Create a New JMS System Module Resource			
changes will automatically be activated as you modify, add or delete items in this domain.				
Domain Structure	Back Ned Finish Cancel			
Domain Structure AphaDomain Demain Structure AphaDomain Demain Structure AphaDomain Demain Structure Demain	The following properties will be used to target your new JHS system module resource:         Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JNG resources are grouped and target SAF agent. If necessary, you can create a new subdeployment by disking the Create a New Subdeployment button. You can also reconfigure subdeployment by disking the Create a New Subdeployment button. You can also reconfigure subdeployment by disking the Create a New Subdeployment button. You can also reconfigure subdeployment button. You can also reconfigure subdeployment by disking the Create a New Subdeployment.         Select the subdeployments:       Inone)       Create a New Subdeployment?         What targets do you want to assign to this subdeployment?       Targets :         Back       Intel       Printh	ted to a server instanc	ce, duster, or g the parent	
Configure foreign servers Configure IMS SAF System Status Health of Running Servers				
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View changes and restarts	Home >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >FCUBSConnectionfactory >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS
Pending changes exist. They must be activated	Modules >FCUBSIMSModule >placeholder
to take effect. You may activate them now. Otherwise, they will be automatically activated	Create a New JMS System Module Resource
when you next modify, add or delete items in	Back Next Finish Cancel
this domain.	The following properties will be used to target your new JM5 system module resource
Activate Changes	
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, duster
Domain Structure	SAF agent. If necessary, you can create a new subdeployment by clicking the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the part module's subdeployment management page.
AlphaDomain	
Environment     Servers	Select the subdeployment you want to use. If you select (none), no targeting will occur.
Gusters	Subdeployments: FCUBS Create a New Subdeployment
Coherence Clusters Machines	
Virtual Hosts	What targets do you want to assign to this subdeployment?
Work Managers Startup and Shutdown Classes	Targets :
Deployments	largets -
Services     B-Messaging	Servers
JMS Servers	
I I Store-and-Forward Arients	SoAServer
How do I	JHS Servers
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Configure JMS SAF	Back Next Finish Cancel
System Status	
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omain Structure		actory created succ	esstully.						
haDomain	Settings for FCU	BSJMSModule							
-Environment Servers	Configuration	Subdeployments	Targets	Security	Notes				
-Clusters     -Coherence Clusters    Machines    Virtual Hosts	This page displa	ys general informati	on about a I	IMS system	module and its r	esources. It also allows you to configure	new resources and	access existing resources	i.
Work Managers Startup and Shutdown Classes	Name:			FO	UBSJMSModule		The name of t	his JMS system module.	More Info
-Deployments -Services	Descriptor File	Name:		jms	s/fcubsjmsmodul	e-jms.xml	The name of t	he JMS module descriptor	file. More Info
			rces that h	ave been cr	and the state of	IS system module, including queue and t		marking frankriger 1940 b	
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E-Environment	Configuration Subdeploym	ents Targets	Security	Notes									
H-Clusters    Coherence Clusters    Machines    Virtual Hosts	This page displays general inf	rmation about a	JMS system	n module an	d its resources.	It also allows you to configure n	ew resources a	nd access existing resources.					
Work Managers Startup and Shutdown Classes	Name:		FC	CUBSJMSMo	dule		The name o	f this JMS system module. M	lore Info	•			
DeploymentsServicesMessagingJNS ServersStore-and-Forward Anents	Descriptor File Name: This page summarizes the JMS destination quota, distributed		have been c	reated for t		module, including queue and top		f the JMS module descriptor fi				ys,	
How do I			cigit set ter.	<i>by</i> and <i>b</i> tore									
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OK (2)													
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996.2014, Oracle and/or its affiliates. A Oracle is a registered trademark of Oracle Corporation		e trademarks of	their respecti	ive owners.									

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

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Servers E B-Clusters E Coherence Clusters E Machines E Wirtual Hosts E Work Managers	Use these pages to create resources in a JMS system moduli Depending on the type of resource you select, you are prom factories, distributed queues and topics, foreign servers, an targetable resources with subdeployments, which is an adva	pted to enter basic information for d JMS SAF destinations, you can als	reating the resource. o proceed to targeting	. For targetable g pages for sele	ecting appropriate server targ				n	ľ
Startup and Shutdown Classes	Connection Factory				of connection configuration p ctions for JMS dients. More		rs that a	are used to		
Messaging     MS Servers     Store-and-Forward Agents	Ø Queue			peer commun	nt-to-point destination type, ications. A message delivered r. More Info					
How do L	🔘 Торіс			asynchronou	olish/subscribe destination typ s peer communications. A mer all topic consumers. More I	ssage de				
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Configure connection factories     Configure uniform distributed topics	Distributed Topic				of topics that are distributed cessible as a single, logical top					
Configure uniform distributed queues     Configure foreign servers     Configure JMS SAF	Foreign Server				gn messaging providers or rer part of the current domain.			erver instan	ices	
System Status	💿 Quota			Controls the Info	allotment of system resources	s availab	e to des	tinations.	More	
Health of Running Servers Failed (0)	O Destination Sort Key			Defines a uni messages.	que sort order that destinatio More Info	ins can a	pply to a	irriving		
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OK (2)	SAF Imported Destinations			SAF destinati instance or d so that the lo	ection of imported store-and- ion is a representation of a qu luster that is imported into the ical server instance or cluster ce or cluster. More Info	ieue or t e local du	opic in a ister or s	remote ser ierver insta	ver nce,	
	Remote SAF Context			destination is	JRL of the remote server insta exported from. It also contai d and authorized in the remot	ins the s	ecurity o	redentials t		
	SAF Error Handling				ction to take when the SAF s stinations. More Info	ervice fa	is to for	ward messa	iges	
	Back Next Finish Cancel									
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10. 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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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								
	Back Next Finish	Cancel							
Domain Structure	JMS Destination Prope	arties							
(⊡-Environment ⊡-Servers ⊡-Clusters ≡	The following properties w	ill be used to identify your n	ew Queue. The current module is FCUB	5JMSModule.					
Coherence Clusters	* Indicates required fields								
Virtual Hosts Work Managers Startup and Shutdown Classes	* Name:	NOTIFY_DEST_QUI	EL						
DeploymentsServicesMessaging	JNDI Name:	jms/NOTIFY_DEST_	QUEUE						
JMS Servers	Template:	None 👻							
How do L	Back Next Finish	Cancel							
Configure quotas for destinations									
Configure JMS templates									
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Configure connection factories									
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Configure uniform distributed queues									
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- Please create queue MDB\_QUEUE\_RESPONSE with JNDI name as jms/MDB\_QUEUE\_RESPONSE, queue eis/jms/ORGateway with JNDI name as eis/jms/ORGateway, and queue FAULT\_QUEUE\_RESPONSE with JNDI name as jms/FAULT\_QUEUE\_RESPONSE as above in console within FCUBSJMSModule.(Follow step 8-9 in 1.2.6)
- 12. 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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13. 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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How do I 🖃	AcknowledgeMode	java.lang.String	AUTO_ACKNOWLEDGE	false
Configure outbound connection pool	ConnectionFactoryLocation	java.lang.String	jndi/FCUBSConnectionfactory	false
properties	FactoryProperties	java.lang.String		false
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#### 14. Go to console $\rightarrow$ Deployments $\rightarrow$ JMS adapter $\rightarrow$ Update $\rightarrow$ Next $\rightarrow$ finish



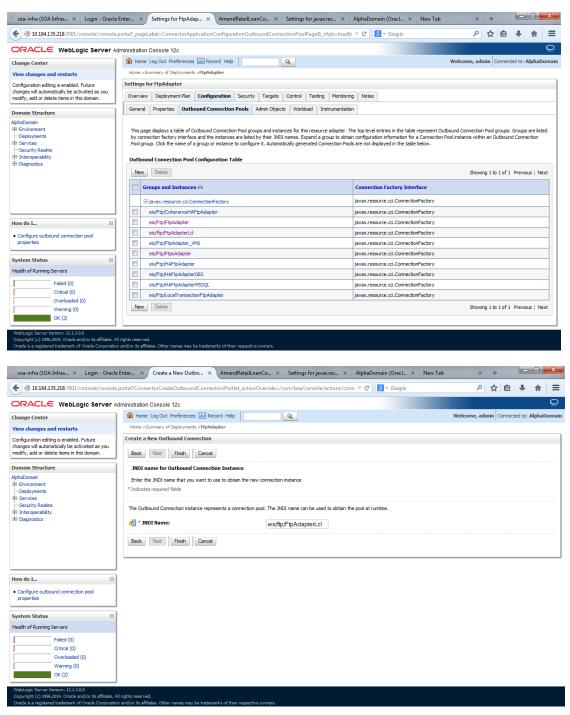
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15. Create the out bound connection pool with the **eis/wls/Queue** name in the Deployments using connection factory jndi/FCUBSConnectionfactory.



# 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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omain Structure	This page displays information about ear	ch user that has been configured in this security realm.	
foundation domain	Some results are not displayed because	there are too many matches. Please customize this table to specify more	e specific criteria.
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	11111RM_4	RM	FCJCustomProvider
	112233	Default Admin User 10	FCJCustomProvider
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Manage users and groups	123456	SANKER GS	FCJCustomProvider
Create users	141414	Default Admin User 10	FC3CustomProvider
Modify users	15259A03	Kumar	FCJCustomProvider
Delete users	1M20862	BALA	FCJCustomProvider
	20862A1	Bala	FCJCustomProvider
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Failed (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			

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



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

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	BIAuthor	BI Author Role	
	BIConsumer	BI Consumer 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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		Add 💥 Delete	Display Name	Principal Name S Display Name S		D
		No groups or application roles added.		Searched Principals		
				Principal BIAdministrators	Display Name	Description BI Administrators Group
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	1			BIConsumers		BI Consumers Group
				BIPTest		BIPTest
				CrossDomainConnectors		CrossDomainConn can make inter- domain calls from foreign domains.
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				Monitors		Monitors can view and modify all resource attributes
				Advanced Option		
				Type Group  Princip	al name here instead of seard scenarios related to custom a bal Name ALLROLES-000 ay Name ALLROLES-000	ching from above. This option can nuthenticators.

- 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
  - Go to security and then navigate to application polices



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- 7. After navigating to next screen as per screen shot,
  - 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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	No users or groups added.	Add Principal				
		-				
		Specify criteria to search and sele	ct the application roles that you	want to grant permissions to.		
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		BIAdministrator	BI Administrator Role			
	(	BIAuthor	BI Author Role			
		BIConsumer	BI Consumer Role			
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		ALLROLES	ALLROLES	ALLROLES		
		authenticated-role	Authenticated Role			
		anonymous-role	Anonymous Role			
				OK Cancel		

• Click Add button under Permissions and add the two permissions one by one as mentioned below.



- oracle.bi.publisher.runReportOnline
- oracle.bi.publisher.accessReportOutput

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	oracle.security.jps.Resource			er.runkeportOnine er.accessReportOutput	oracle.bi.publisher.permission	_al_ _al_
	3					

- 9. After getting information message like "A security added successfully",
  - Login into the BIPublisher , http/s:<hostname>:<port>/xmlpserver
  - Click on the Administration .
  - Click on the Roles and Permission under Security center and check if the added role(in em) is displayed, If not restart the servers.

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

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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.

ORACLE	BI Publisher Enterprise	Search Al	<b>×</b>	0	Administratio	I   Help ←   Sign Out
Administration			Home   Catalog	New 🗸	📔 🗁 Open 🗸	Signed In As weblogic
Administration > JDI	IC > Add Data Source					
Add Data Source						
						Apply Cancel
General						
TIP Please ma	ke sure to install the required JDBC driver classe	s. Jse System User checkbox to use the BI System User for your BI Serv.	or Database Connection			
· III- With Orac	e Pusion Middleware Security Model, select the	se system user checkbox to use the bi system user for your bi serv	er Database Connection.			
	* Data Source Name	FCSOA				
		Oracle 11g				
	* Database Driver Class	oracle.jdbc.OracleDriver (Example: oracle.jdbc.OracleDriver )				
	* Connection String	jdbc:oracle:thin:@//ofss222783.in.oracle.com:1521/FCUBSDEV121				
	Use System User * Username	DEV12C_SOAINFRA				
	Pre Process Function					
	Post Process Function					
		Use Proxy Authentication				
		Test Connection				
Backup Data Se	urce					
TIP To enable	access to a backup data source, please check th	e Use Backup Data Source checkbox and enter the necessary connect	ion information.			
		Use Backup Data Source				
	Connection String					
	Username					
	Password	Test Connection				
		Test connection				

16. Add the fcubs roles to allowed Roles under security

ORACLE BI Publisher Enterprise		Search All	~	۲	Administration	Help ∽	Sign Out
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Use System User * Username Password Pre Process Function Post Process Function	DEVI2C_SOAINFRA	i.					
Backup Data Source							
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	Test Connection						
Security							
Allow Guest Access	Available Roles BI Administrator Role BI Author Role BI System Role FOURS Consumer Role	Allowed Roles More All Roles More All Commerce All Remove All	<ul> <li>(a)</li> <li>(b)</li> <li>(c)</li> <li(c)< li=""> <li(c)< li=""> <li(c)< li=""> <li>(c)</li></li(c)<></li(c)<></li(c)<></ul>				

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



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

# 1.2.8 BAM Report Configuration settings

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

Change Center		Hon	ne Log Out Preferences 🔤 Record Help		Q		We	lcome, weblogic	Connected to: dev_dom
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changes will automatically be activated as you modify, add or delete items in this domain.	0	ontro	Monitoring						
omain Structure		_							
ev_domain			age displays a list of Java EE applications and st d, stopped, updated (redeployed), or deleted						
- Environment									
Services		To ins	tall a new application or module for deploymen	t to targets in this do	main, click the Install	outton.			
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Iow do I E Install an enterprise application			± □b2bui		Active	🛩 ок	Enterprise Application	soa_server1	313
Configure an enterprise application		-	E BamComposer		Active	🛩 ок	Enterprise	bam_server1	500
Update (redeploy) an enterprise application		-	an composer		Active	- OK	Application	Dan_server1	300
<ul> <li>Start and stop a deployed enterprise application</li> </ul>			BamCQService		Active	🛩 ок	Enterprise Application	bam_server1	300
<ul> <li>Monitor the modules of an enterprise application</li> </ul>			BamServer		Active	🛩 ок	Enterprise Application	bam_server1	400
Deploy EJB modules     Install a Web application			BPMComposer		Active	🛩 ок	Enterprise Application	soa_server1	385
system Status E			coherence-transaction-rar		Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
Failed (0)			CoherenceAdapter		Installe	d	Resource Adapter		331
Critical (0) Overloaded (0)		•	DbAdapter		Active	🛩 ок	Resource Adapter	soa_server1	322
Warning (0) OK (3)			Contraction     Contraction		Active	🛩 ок	Enterprise Application	soa_server1	314
OK (3)			DMS Application (12.1.3.0.0)		Active	🛩 ок	Web	AdminServer, bam_server1,	5

4. click on Configuration Configuration  $\rightarrow$  Save



ORACLE WebLogic Server Adr			
Change Center	🏠 Home Log Out Preferences 🔤 Record Help		Welcome, weblogic Connected to: dev_domai
View changes and restarts	Home >Summary of Deployments >BamComposer >Summ	ary of Deployments >BamComposer	
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for BamComposer		
modify, add or delete items in this domain.	Overview Deployment Plan Configuration	Security Targets Control Testing Mor	hitoring Notes
Domain Structure	Application Workload Instrumentation		
dev_domain	Save		
Deployments     Services     Security Realms	This page describes the configuration information	that is currently defined in the deployment plan	for the selected module or component.
Interoperability     Diagnostics	Session cookies max age (in seconds):	-1	The life span of the session cookie (in seconds) after which it expires on the client. The value '-1' indicates that the cookie will persist until the client's browser shuts down. More Info
	Session Invalidation Interval (in seconds):	60	The time (in seconds) that WebLogic Server waits between doing house-cleaning checks for timed-out and invalid sessions, and deleting the old sessions and freeing up memory. <b>More Info</b>
How do I	Session Timeout (in seconds):	3600	The amount of time (in seconds) that a session can remain inactive before it is invalidated. More Info
Create a deployment plan     Update a deployment plan	Debug Enabled		Enable debugging information for this session More Info
Start and stop a deployed enterprise application	Maximum in-memory Sessions:	-1	The maximum number of sessions to retain in memory. The value '-1' indicates that there is no limit. More Info
Configure an enterprise application     Target an enterprise application to a server  System Status	Monitoring Attribute Name:		Specifies the name of a session attribute which is tagged with session information. For example, if this value is set to username, then the username attribute is guaranteed to be unique. More
Health of Running Servers			Info
Failed (0) Critical (0)	Save		
Overloaded (0) Warning (0) OK (3)			
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Orade and/or its affiliates. Al Orade is a registered trademark of Orade Corporation	I rights reserved. and/or its affiliates. Other names may be trademarks of their rer	spective owners.	

5. Click on Overview $\rightarrow$ check the deployment plan location

lange Center	🔒 Home Log	Out Preference	Record He	lp		Q				Welcome, weblogic Connected to: dev_domai
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omain Structure	Save									
v_domain Environment - Deployments - Services - Security Realms	plan, and so		the end of the pa	ige lists the						the application files, the associated deployment contained in the enterprise application. Click on the
·· Interoperability ·· Diagnostics	Name:		BamComposer					The	e name of	this enterprise application. 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)					fror	n a source	ether an application's deployment plan is copied e on the Administration Server to the Managed ing area during application preparation. More info
Test the modules in an enterprise application	Security Mod	lel:	DDOnly							model that is used to secure a deployed re Info
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	Save									
	Modules and	1 Components								

 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>
</variable>
```



<module-descriptor external="true"> <root-element>web-app</root-element> <uri>WEB-INF/web.xml</uri> <variable-assignment> <name>oracle.adf.view.rich.security.FRAME\_BUSTING</name> <xpath>/web-app/context-param/[paramname="oracle.adf.view.rich.security.FRAME\_BUSTING"]/param-value</xpath> <origin>planbased</origin> </variable-assignment> </module-descriptor>



7. Stop the BAM composer application in console.

Services     Security Realms     Interoperability     Dagnostics	1	istomi	ze this tabl	e							
	Ir	Istail	Update	Delete	Start v	Stop v				Showing 1 to 4	7 of 47 Previous   Nes
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Monitor the modules of an enterprise application	6	•	BamServer				Active	🛩 ок	Enterprise Application	bam_server1	400
Deploy EJB modules Install a Web application		•	BPMCompo	oser			Active	🛩 ок	Enterprise Application	soa_server1	385
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Critical (0) Overloaded (0)	8	0	bAdapter				Active	🖋 ок	Resource Adapter	soa_server1	322
Warning (0) OK (3)	13	( IE) [	DefaultTo	o TaskFlow			Active	🛩 ок	Enterprise Application	soa_server1	314
OK(0)		Œ	DMS Apple	ation (12.1.	.3.0.0)		Active	🛩 ок	Web Application	AdminServer, bam_server1, soa_server1	5
	13		Bem				Active	🗸 ок	Enterprise Application	AdminServer	400
	13	•	FCUBSApp	IUT (12.1.0	.0.0)		Active	Warning	Enterprise Application	soa_server1	600
		•	FCUBSApp	SoaEmb (12	.1.0.0.0)		Prepared	🖋 ок	Enterprise Application	soa_server1	601
	8	@F	ileAdapter				Active	🛩 ок	Resource Adapter	soa_server1	321
	-	Œ	ð <sup>frevvo</sup>				Installed		Enterprise Application		100
			tnAdanter				Active	🗸 ОК	Resource	soa server1	325

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



Change Center		Home Log Out Preferences 🛃 Record H	elp Q		We	come, weblogic C	onnected to: dev_doma
View changes and restarts	Hom	e >Summary of Deployments >BamComposer >Su	mmary of Deployments >BamComposer >Summary of Dep	oyments >B	mComposer >S	ummary of Deploym	ents
Configuration editing is enabled. Future	Sum	mary of Deployments					
changes will automatically be activated as you modify, add or delete items in this domain.	Con	trol Monitoring					
bomain Structure ev_domain Encloyments Services -Secures -Secu	sta To	arted, stopped, updated (redeployed), or de	and stand-abne application modules that have bee leted from the domain by first selecting the applica syment to targets in this domain, click the Install bu	tion name a			
		nstall Update Delete Start v	Stop v			Showing 1 to 47	of 47 Previous   Next
	E	] Name ↔	State	Health	Туре	Targets	Deployment Order
		AqAdapter	Active	🛩 ок	Resource Adapter	soa_server1	324
Iow do I E Instal an enterprise application	2	E Bozbui	Active	🛩 ок	Enterprise Application	soa_server1	313
Configure an enterprise application     Update (redeploy) an enterprise application		BamComposer	Active	🛩 ок	Enterprise Application	bam_server1	500
Start and stop a deployed enterprise     application		BamCQService	Active	🛩 ок	Enterprise Application	bam_server1	300
Monitor the modules of an enterprise application	2	BamServer	Active	🛩 ок	Enterprise Application	bam_server1	400
Deploy EJB modules Install a Web application		BPMComposer	Active	🛩 ок	Enterprise Application	soa_server1	385
ystem Status E		] 👼 coherence-transaction-rar	Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
Faled (0)		CoherenceAdapter	Installed		Resource Adapter		331
Critical (0) Overloaded (0)	E	DbAdapter	Active	🛩 ок	Resource Adapter	soa_server1	322
Warning (0) OK (3)	2	Default ToDo TaskFlow	Active	🛩 ок	Enterprise Application	soa_server1	314
OK (3)			Active	🛩 ок	Web Application	AdminServer, bam_server1,	5

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

ORACLE WebLogic Server Adr	ministration Console 12c		<u>Q</u>
Change Center	😭 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: dev_domain
View changes and restarts	Home >Summary of Deployments >BamComposer >Summa	ry of Deployments >BamComposer >Summ	ary of Deployments >BamComposer >Summary of Deployments
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Update Application Assistant Back Next Finish Cancel		
Domain Structure	Locate new deployment files		
dev_doman  Everytomment Deployments Services Services Security Realms Interoperability	You have elected to update the BarnComposer app pdate this application in place with new d option) Deployment plan path: /scratch/apo/fmv/12		
Diagnostics	Scatch/app/minitz	c/ Hiddleware/soa/oaniyappicacions/ pi	an (rans.or change Path
	Redeploy this application using the following the follo	g deployment files:	
	Source path: /scratch/app/fmw12	c/Middleware/soa/barn/applications/B	amComposer.ear Change Path
	Deployment plan path: /scratch/app/fmw12	c/Middleware/soa/bam/applications/pl	an/Plan3.xml Change Path
How do L 🗉	Back Next Finish Cancel		
<ul> <li>Start and stop a deployed enterprise application</li> </ul>			
Configure an enterprise application			
Create a deployment plan			
Target an enterprise application to a server			
<ul> <li>Test the modules in an enterprise application</li> </ul>			
System Status			
Health of Running Servers			
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (3)			
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation	I rights reserved. and/or its affiliates. Other names may be trademarks of their resp	pective owners.	

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



Update Applicati × 🐼 WebLogic « Mid	BAM Composer	result of page	8 how to add BA	16 Securing Ora	🛕 Introducing the	Summary of Servers	+		- 0	<b>X</b>
G ofss2221222:7401/console/console.portal?A	AppApplicationUpdatePo	rtlet_actionOverride=/co	m/bea/console/actions/ap	p/update/selectPlan 🔻 C	😵 🕶 Google	٩	☆	Ê.	∔ ≙	≡
	ninistration Console 12	0								õ
Change Center	🙆 Home Log Out	Preferences 🔝 Recor	d Help	Q		Welcome, weblogi	Cor	nected	to: dev_	domain
View changes and restarts	Home >Summary of De	eployments >BamComposer	>Summary of Deployments :	BamComposer >Summary of I	Deployments >BamCompose	er >Summary of Deployn	ients			
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Update Application Back Next	Assistant Finish Cancel								
Domain Structure	Select a deploym	ient plan.								
dev_domain	Select or enter a d	leployment plan for this	app. The file must exist a	nd have a .xml extension.						
Deployments Services	Path:	/scratch/a	app/fmw12c/Middlewa	re/soa/bam/applicatior	ns/plan/Plan3.xml					
← Security Realms ← Security Realms ⊕ Interoperability ⊕ Diagnostics	Recently Used Pa	/scratch/ap /scratch/ap	p/fmw12c/Middleware/so p/fmw12c/Middleware/so p/fmw12c/Middleware/so ork_area/DEV/ear_stagein	/bam/applications i/bam						
	Current Location	ofss222122	2 / scratch / app / fmw12	c / Middleware / soa / ban	n / applications / plan					
	<ul> <li>Plan.xml</li> <li>Plan3.xm</li> <li>Back Next</li> </ul>									
How do I E										
<ul> <li>Start and stop a deployed enterprise application</li> </ul>										
Configure an enterprise application										
Create a deployment plan     Target an enterprise application to a server										
Target an enterprise application to a server     Test the modules in an enterprise     application										
System Status										
Health of Running Servers										
Faled (0)           Ottcal (0)           Overbaded (0)           Warning (0)           OK (3)										
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Orade and/or its affliates. All Orade is a registered trademark of Orade Corporation a		ames may be trademarks o	f their respective owners.							

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	1	Hon	ne Log Out Preferences 🖂 Record Help			We	come, weblogic	Connected to: dev_dor
Change Center								
View changes and restarts		ssage	Summary of Deployments >BamComposer >Summary of Deployments >BamComposer >Sum re	mary or Depi	syments >ba	smuomposer >54	ummary or Deployn	ients
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.		AL I	∽ changes have been activated. No restarts are necessary. scted Deployments were updated.					
Domain Structure	Sur	nmar	y of Deployments					
ev_domain		ontro						
I — Deployments → Seruces → Securty Realms D Intercoerability ⇒ Diagnostics	1	starte To ins	age displays a list of Java EE applications and stand-alone application modules the d, stopped, updated (redeployed), or deleted from the domain by first selecting tail a new application or module for deployment to targets in this domain, click th pmize this table	the applicat	tion name a			
	D	eplo	yments					
	1.1	Insta	II Update Delete Start v Stop v				Showing 1 to 47	of 47 Previous   Next
łow do I E			tame 🗞	State	Health	Туре	Targets	Deployment Order
<ul> <li>Install an enterprise application</li> </ul>						Resource		
<ul> <li>Configure an enterprise application</li> </ul>			AqAdapter	Active	🖋 ок	Adapter	soa_server1	324
<ul> <li>Update (redeploy) an enterprise application</li> <li>Start and stop a deployed enterprise</li> </ul>			🗄 🖓 Dabui	Active	🛩 ок	Enterprise Application	soa_server1	313
application								
				Prepared	🖋 ОК	Enterprise Application	bam_server1	500
application • Monitor the modules of an enterprise application • Deploy EJB modules	L	-	BamComposer     BamCQService	Prepared Active	🛩 ок 🛩 ок		bam_server1 bam_server1	500 300
application Monitor the modules of an enterprise application Deploy EIB modules Install a Web application			40			Application Enterprise	-	
appication Montor the modules of an enterprise appication Deploy EIB modules Instal a Web appication ystem Status			e BamCQService	Active	🗸 ок	Application Enterprise Application Enterprise	bam_server1	300
applation Montor the modules of an enterprise applation Depky LB modules Instal a Web application ystem Status E failed (0) Critical (0)			a maancoservice	Active Active	<ul><li>✓ ок</li><li>✓ ок</li></ul>	Application Enterprise Application Enterprise Application Enterprise	bam_server1	300 400
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applation Applation Applation Apply CBI modules Instal a We applation Instal a We applat			TgamCQService      TgamServer      TgamServer      TgaPMComposer      coherence-transacton-far	Active Active Active Active	<ul> <li>✓ ОК</li> <li>✓ ОК</li> <li>✓ ОК</li> </ul>	Application Enterprise Application Enterprise Application Enterprise Application Resource Adapter Resource	bam_server1 bam_server1 soa_server1 AdminServer, bam_server1,	300 400 385 100

12. Restart the BAM Composer application in the console



							mit in the late	
Change Center		me Log Out Preferences 🚵 Record Help	Q					onnected to: AlphaDoma
View changes and restarts		>BamComposer >Summary of Deployments >Bam yments >/bam/composer >Summary of Deploym		ts >BamComposer >Summar	ry of Deployn	nents >Summary of	Servers >Summary of	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Messa S	ges elected Deployments have been requested to st	ар.					
Domain Structure	Summ	ary of Deployments						
VphaDomain	This	nol Monitoring page displays a list of Java EE applications and i eployed), or deleted from the domain by first se				nstalled application	is and modules can be starte	d, stopped, updated
Wrbual Hosts     Work Managers     Startup and Shutdown Classes     Deployments		stall a new application or module for deploymen tomize this table	t to targets in this domain, click th	Install button.				
-Services Security Realms	Depl	oyments						
Interoperability     -Diagnostics	ins	tal Update Delete Start - To	P~				Showing 1 to 48	of 48 Previous   Next
tow do I 🗉		Name 💫	uests dministration requests	State	Health	Туре	Targets	Deployment Order
Install an enterprise application     Configure an enterprise application				Prepared	≪ок	Resource Adapter	SOAServer	324
Update (redeploy) an enterprise application     Start and stop a deployed enterprise		⊞ []_b2bui		Prepared	≪ок	Enterprise Application	SOAServer	313
<ul><li>Application</li><li>Monitor the modules of an enterprise</li></ul>	7	⊞ BamComposer		Prepared	≪ок	Enterprise Application	BAMServer	500
application • Deploy EJB modules		B BamCQService		Active	∢ок	Enterprise Application	BAMServer	300
Install a Web application		BamServer		Active	≪ок	Enterprise Application	BAMServer	400
ealth of Running Servers		BPMComposer		Active	≪ок	Enterprise Application	SOAServer	385
Faled (0)		Scoherence-transaction-rar		Active	≪ок	Resource Adapter	AdminServer, BAMServer, SOAServer	100
Critical (0) Overloaded (0)		CoherenceAdapter		Installed		Resource Adapter		331
Warning (1) OK (2)				Active	≪ок	Resource Adapter	SOAServer	322
		DefaultToDoTaskFlow		Active	≪ок	Enterprise Application	SOAServer	314
		OMS 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

WebLogic Domain +	sion Middleware Control 12c	🙎 weblogic + 🛛 🔿
Target Navigation	BamServer	Logged in as <b>weblogic</b> 📴 ofss2221222.in.oracle.com
View  Application Deployments Application Deployments Application Deployments Burstes Activativ Mandoring Burstes Activativ Mandoring Burstes Activativ Mandoring Control Logs System MBe Target Infor	global policy store when the applications are registered. Ti application.     Policy Store Provider     Scope WebLogic Domain Provider LDAP Location jdbc/OpsDataSource Application Polices     Keyword for role name to query roles defin Browser     Application Polices     Keyword for role name to query roles defin	ed by this application. Use application stripe to search if application uses a stripe that is           Image: Imag

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



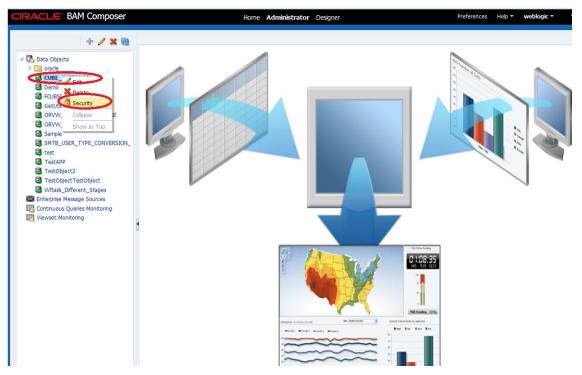
ORACLE Enterprise Manager Fusion Middleware Cont	rol 12c	👥 weblogic 👻 🔘
Target Navigation	BamServer ()	Logged in as <b>weblogic</b> 🗐 ofss2221222.in.oracle.com
View 🕶	🔂 Business Activity Monitoring 🕶	Page Refreshed Jul 23, 2015 11:20:30 AM IST 💍
Capital Control Contr	Create Application Role General Application BardServer Stope * Role Name ALLROLES-000 Description Description	OK Cancel
	View - Add Delete Delach	Туре
	No groups or app Add roles added.	

- 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

4 / M B)	GetUtilsDB (Security) ×			2 🖬
Constant of the state of	Full Name /dataobject/GetUtisDB Owner Type USER Owner Name weblogic	1	69	Save
	1. Grant permission       Add Application Roles, Groups and Users         View *       *       Detach         Role Name       Red       Write         *       *       *			×
	2. Deny Permission       OK Cancel         View * * * * Detach       Role Name         Role Name       Read         No data to deplay       Write			



20. Move the ALLROLES-000 to Selected members.

RACLE BAM Composer	Home Admi	nistrator Designer Preferenc	es Help <b>⊤ weblogi</b>	ic 🔻
+ / × @	GetUtilsDB (Security) $\times$			?
b Data Objects  c Data Object	G Security Full Name //dataobject//GetUtibDB Owner Type USER Owner Name weblogic		1	Save
ORVW_FACILITY_EXPOSURE ORVW_TRACK_EXPOSURE	1. Grant permission	Add Application Roles, Groups and Users	×	
OKVY_TRACK_EXPOSINE     Sample     Som SMTB_USER_TYPE_CONVERSION_     test     test	View - + X Detach Role Name Read Write BAMArchitect V V	Name Lat Application Role		
Issuer	BAMContent/Vewer	Available Members Selected Members BPMContent/Jewer ALLROLES-000		
	2. Deny Permission	OK Cancel		
	Vew + K Datach Role Name Read Write No data to deplay			

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

								0
-+ 🥒 🗙 🚱	GetUtilsDB (Security) ×							(2)
	Full Name /datage Owner Type USER Owner Name weblo	bject/GetUtilsDB gic					(	) 🦓 🤇
ORVW_FACILITY_EXPOSURE	1. Grant permission							
Sample	View 🕶 📫 🗙	Detach		_				
SMTB_USER_TYPE_CONVERSION_	KOIE Name	Read	Write	Remove	Select	Delete	Update	Security
🗟 test	88 ALLROLES-000							
TestAPP	BAMArchitect	V		-	[72]			(m)
TestObject2	BAMContentCreator			<b></b>				
TestObjectTestObject     Wftask_Different_Stages	BAMContentViewer			<b>**</b>				
Enterprise Message Sources Continuous Queries Monitoring Viewset Monitoring								
	2. Deny Permission							
	View 🔻 + 🗙	🛃 Detach						
	Role Name	Read	Write	Remove	Select	Delete	Update	Security
	No data to display							

22. Follow the step 17 to 21 for other Data objects also.(cube\_instance,wftask\_different\_stages, ORVW\_TRACK\_EXPOSURE, ORVW\_FACILITY\_EXPOSURE, GetUtilsDB, SMTB\_USER\_TYPE\_CONVERSION\_VIEW, FCUBSDATAOBJECTS).



23. Click on Designer →open Project

ORACLE BAM Composer Home Administrator Designer	Preferences Help <b>▼ weblogic ▼</b>
FCUBS_BAM_Report     Create       Create     Create       Business Queries     Security       Rename     Rename       Rename     Rename       Rename     Rename	s

24. Click on FCUBS\_BAM\_report

DRACLE BAM Composer     Home     Administrator     Designer     Preferences     Heb     weblogic	C
FCUBS_BAM_Report =	

25. click on FCUBS\_BAM\_Report →Security



ORACLE BAM Composer	Home Administrator Designer	Preferences Help <b>veblogic</b>
EUBS_BAM_Report       Open Project         Data Objects       Delete         Business Queries       Security         Data Objects       Security         Business Views       Parameters		odel Data

26. Click on ADD button Under Grant Permission.

ORACLE BAM Composer	Home Administrator <b>Designer</b> Prefer	rences Help <b>veblogic v</b>
FCUBS_BAM_Report 💌	FCUBS_BAM_Report (Security) ×	(2) 10
D+/×0	🖞 Security	i 🚱 Save
<ul> <li>Data Objects</li> <li>Business Queries</li> <li>KPIs</li> <li>Subsiness Views</li> <li>Sourcess</li> <li>Dashboards</li> <li>Alerts</li> </ul>	Full Name /project/FCUBS_BAM_Report Owner Type USER Owner Name weblogic	
	1. Grant permission	
p uma Parameters	View - Ox Detach	
	Role Name Add Application Roles, Groups and Users	
	BAMContentViewer	
	2. Deny Permission	
	View 🔻 💠 💥 🔛 Detach	
	Role Name Read Write Remove Security	
	No data to display	



ORACLE BAM Composer		Home Ad	ministrator <b>Desi</b>	gner		Preferences	Help 🔻	weblo	gic + C
FCUBS_BAM_Report 🔳	FCUBS_BAM_Report (	(Security) ×							🧿 🖾 ▾
	🔁 Security						i	62	Save
<ul> <li>Data Objects</li> <li>Business Queries</li> <li>KPIs</li> <li>Business Views</li> <li>Business Views</li> <li>Boshboards</li> </ul>	Full Name /proj Owner Type USER Owner Name webl		eport						
🔏 Alerts	1. Grant permission								-
> 📾 Parameters	View - 4 X	detach							
	Dala Mama	Deed	uns and Users	Remove	Security				
	BAMContencereact								
	BAMContentViewe	er 🔽							
	2. Deny Permission								
	View 👻 👍 💥	detach							
	Role Name	Read	Write	Remove	Security				
ofr22212222404/ham/compose/face/dationast	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 🕅 🕈
<ul> <li> <sup>®</sup> RPIs         <ul> <li></li></ul></li></ul>	Owner Type USER Owner Name weblogic				
> 🖼 Parameters	Ad Application Roles, Groups and Users Name Search Available Hembers BAMArchitect PDMCratativever ALIROLES-000  CK Cancel  CK Cancel				



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

ORACLE' BAM Composer	Home Administrator Designer	Preferences	Help 👻	weblogic - C
FCUBS_BAM_Report 🗾	FCUBS_BAM_Report (Security) $_{\times}$			(2) ⊠ ▼
Contraction of the second	Full Name         /project/FCUBS_BAM_Report           Owner Type         USER           Owner Name         weblopc		1	Save Save
Alerts ▷  Parameters	1. Grant permission			
	Add Application Roles, Groups and Users X Name List: Application Role Search Available Members BAHArchitect BPMContent/Vewer OK Cancel			

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

ORACLE BAM Composer		Home Administrator	Designer		Preferences	Help 🔻	weblogic 👻
FCUBS_BAM_Report 💌	FCUBS_BAM_Report (Sec	curity) ×					3 🛛
D 🕂 🖊 💥 🝓	Gecurity					<b>i</b>	R Save
<ul> <li>▷ Data Objects</li> <li>▷ Eig Business Queries</li> <li>₽ KPIs</li> <li>▷ Business Views</li> <li>▷ Dashboards</li> </ul>	Full Name /project/ Owner Type USER Owner Name weblogic	FCUBS_BAM_Report					-
Alerts ▷  Parameters	1. Grant permission						
	View 🕶 🛖 🗶 🔤	Detach ead Write	Remove	Constitution			
•			Kemove	Security	>		
	BAMContentCreator		V				
	BAMContentViewer						
	2. Deny Permission						
		Detach	-				
	Role Name Role No data to display	ead Write	Remove	Security			



# 1.2.9 IPM configuration to edit the document

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

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

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

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

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

.

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



ORACLE WebLogic Server®	Administration Console	0		Q
Change Center	🙆 Home Log Out Pre	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	Group Properties			
IPM_domain (#) Environment Deployments (#) Services	The following properti * Indicates required field	es will be used to identify your new Gr ds	oup.	
Security Realms     Theroperability	What would you like to	name your new Group?		
Diagnostics	* Name:	IPMUserGroup		
	How would you like to a	describe the new Group?		
	Description:	User group for IPM		
	Please choose a provid	er for the group.		
How do L	Provider:			
Create groups	Provider.	DefaultAuthenticator -		
Modify groups	OK Cancel			
Delete groups				
Create users				
Manage users and groups				
System Status				
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	rights reserved. and/or its affiliates. Other nar	mes may be trademarks of their respectiv	e 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
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- a. Navigate to Manage Applications
- b. Click on the FLEXCUBE
- c. Then click on the modify on the right pane



ORACLE WebCenter Content: I	Imaging	Logged in as weblogic   Help   Refresh   Preferences   Logout   About	2
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Manage Security     Copyright (c) 2010, 2015 Oracle and/or its affiliates. All rights re-	rennet.		Privacy Statement

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

ORACLE WebCenter Content	: Imaging	Lagged in as weblogic   Help   Refresh   Preferences   Lagout   About	õ
E Searches	B B Constant Security Program Constant Security Program S		
	Create Application: Document Security Provide accuracy upto for the splication's cortext. Select "last" when you have finished with document security. Inter: The 'Grant Access' security right automatically corters: Write' and $\frac{1}{2}$ Add (1) Cruz W Remone		Cancel Back Next Submit
al 🖗 Tools D 🗣 Manage Searches 🛛 🔮 USEP_ID	Tor Skruth Notee Ver Intr. Data: Onto State Autor Auto		
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	At Cont		
E G Manage Inputs E Manage Connections E Manage Scanty			
Copyright (c) 2010, 2015 Oracle and/or its affiliates. All righ	ta reserved.		Privacy Statement



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

ORACLE WebCenter Conten	t: Imaging					Logged in as	sweblogic   Help   R	efresh   Pre	ferences   Logout	
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🗉 🔁 Searches	USER_ID: Search Summary								🥖 Modify 🗙 Delet	e 関 Close
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	Source Application DOCID	Document C		ocument Created	Document Bate	h Id Document Id				
		Date	B							-
	FLEXCUBE DOCID	Document C	reato Di	ocument Created	Document Bate	th Id Document Id				
	□ Conditions									
	Application: FLEXCUBE									
	( Field Operator Value ) Conjunction									
	Document Created Cont	ains	Parameter	- Document Crea	ted By					
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	Parameter Name Prompt Text	Operator Te	ext D	efault Value	Picklist	Required	Read Only			
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	Administrators	~	~	~	~					
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🗉 🖻 Manage Applications	7/4/2014 Definition Modify	weblogic								
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	7/4/2014 Definition Modify	weblogic								
Generations	7/4/2014 Definition Modify	weblogic								
Manage Security										

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



ORACLE' WebCenter Content	Imaging	Logged in as weblogic   Help   Refresh   Preferences   Logout   About 🔘
I Describes	Properties: Results Formatting Conditions Parameter Security Yeview and Test Review Settings USER_ID: Search Security Provide search: reliable for the search. Select Next* when you have finished with search seaurity.           Tog Add         * Copy         Remove	Cancel Back Next Scheme
🗉 🖗 Tools	Type Security Member View Modify Delete Grant Access	
🖃 🔍 Manage Searches 🛛 🔮	🖓 Administrators	
USER_JD El En Manage Applications El El Manage Inputs El El Manage Connections El El Manage Security	Immediate to search for groups or users. Use the text rout to search for success routes for the search for groups or users. Use the text rout to search for success routes in the search for groups or users. Use the text rout to search for success routes in the search for groups or users. Use the text rout black to return all environments.         Beerch Groups       Immediate to search for groups or users. Use the text rout black to return all environments.         Beerch Groups       Immediate to search for groups or users.         Immediate to search for groups or users.       Search         Immediate to search for groups or users.       Search for groups or users.         Immediate to search for groups or users.       Search for groups or users.	

9. Copy the FCJJPSProvider.jar to location

<ORACLE\_HOME >\user\_projects\domains\<domian name>\lib

- 10. Go to the location '<ORACLE\_HOME>\ user\_projects\domains\<Domain\_created>\config\fmwconfig'
  - a. Open 'jps-config.xml' file. Search for '<serviceProviders>' tag and add the following code between '<serviceProviders>' and '</serviceProviders>' tags.

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

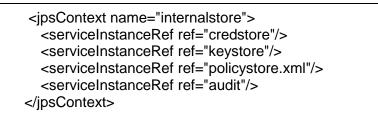
b. Similarly, Search for '<serviceInstances>' tag and add the following code between '<serviceInstances>' and '</serviceInstances>' tags.

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



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

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



## 1.2.10 Configuring Superviser Roles in EM

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

	Manager Fi	usion Middleware Control	12c 😸 WebLogic Domain 🔻 🗤	eblogic 🔻 🛛
rget Navigation			Mar 21, 2016 12	2:30:59 PM IST 🕇
w w				
Home	Þ	essing the appli		i. These are als
Monitoring	•	he <u>Oracle WebL</u>	ogic Server Security Provider	
Logs		E		
SOA Deployment Manage Partitions	•	application. Us	se application stripe to search if application uses a stripe that is different from application name.	
Work Manager Groups Resequencing Groups		X Delete	-	Detach
Service Engines	▶ .0] ▶ ss [1.0]		Description	
Bindings Services and References			Joenipuon	
Business Events				
SOA Administration	Þ			
Security	► Ap	plication Policies		
Administration	► Apr	plication Roles		
Target Sitemap				
Target Information				
CRDCProcess [1.1	1			
CreateCorporateCo	ustomer [2.0]			
CreateCorpor	ustomer [3.0]			
CreateCorporateCo	ustomer [3.1]			
CreditBureauHand	ler [1.0]			
DBUtility [1.0]				
DBUtility [1.1]				
DBUtility [2.0]				
- HE EOEVDroepee (4.0)				



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

	RACLE <sup>®</sup> Ente	erprise Mana	ger Fusion Middl	eware Control	12c		🎼 WebLogic Domain 🔻	weblogic 🔻		
	↑ soa-infra () SOA Infrastructure	e 🔻					Mar 21, 2016	5 12:30:59 PM IS		
ga	lication Roles									
•••		used by security	aware application	s that are spec	cific to th	application. These roles are seeded by applications in single global polic	y store when the applications are registered	. These are als		
	ation roles that are creat manage users and group					ver Segurity Provider				
		os in the webboj	gic Domain, use in	e <u>oracie webi</u>	Judic Se	ver security Provider.				
▶ Po	olicy Store Provider									
il Se	earch									
nter s	search keyword for role r	name to query ro	les defined by this	application. U	se appli	ation stripe to search if application uses a stripe that is different from appli	cation name.			
	Role Na	me Starts With	-							
View	Create	E Create Lil	ke 🖋 Edit	× Delete	Sear	h application roles		Detach		
view	Create	E Create Li	Ke J Eult	A Delete			ET.	SEL Detach		
/										
R	tole Name		Display Name			Description				
d	efault_Composer		Composer for the	Default Partitio	on	A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security pol				
d	efault_Deployer		Composite Deplo	yer for the Defa	ault P	A deployer is responsible for deploying new applications, upgrading exist	ting applications, and managing the continue	ous integratio		
d	efault_Tester		Tester for the Defa	ault Partition		A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination				
d	efault_ApplicationOperat	tor	Application Opera	tor for the Defa	ault Pa	a An application operator is responsible for handling customer complaints and making decisions on requests that result in faults				
d	efault_Monitor		Monitor for the De	fault Partition		A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default part				
м	liddlewareOperator		SOA MiddleWare	Operator		A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of con				
M	liddlewareAdministrator		SOA Middleware	Administrator		A middleware administrator is responsible for ensuring the continuous a	vailability of the middleware servers, but is n	ot always res		
s	OAAdmin		SOA Admin Role			SOA application admin role, has full privilege for performing any operation	ns including security related			
s	OAOperator		SOA operator Rol	e		SOA application operator, for common operational tasks like start, stop, n	nonitor, backups			
s	OAMonitor		SOA Monitor Role			SOA application monitor role, has read-only privileges for monitoring				
s	OAAuditAdmin		SOA Audit Admin	Role		SOA audit administrator role, can perform audit configuratoin and administration				
s	OAAuditViewer		SOA Audit Viewer	Role		SOA audit viewer role, can view audit records				
BPMWorkflowAdmin BPM Workflow System Admin Role			ole	BPM Workflow Administrator Application Role						
в	PMWorkflowCustomize		BPM Workflow Cu	stomize Role		BPM Workflow Customize Application Role				
в	PMAGAdmin		BPM Activity Guide	Admin Role		BPM Activity Guide Administrator Application Role				
в	PMOrganizationAdmin		BPM Organization	Admin role		BPM Organization Administrator Application Role				
-	OADesigner		SOA Designer			SOA Designer				

 10184133168:7401/em/faces/as/security/appRoles/Main/type=oracle\_soainfra&target=/Domain\_soa\_domain/soa\_domain/soa\_server1/soa-infra#

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

DRA		erprise Manage	r Fusion Middl	eware Control 12c	🔃 WebLogic Domain 🔻 🛛 weblogic 🔻
	SOA Infra	-			Mar 21, 2016 12:30:59 PM IS
oplication i	roles that are create	ed in the context of e	nd users acce	ssing the application	The application. These roles are seeded by applications in single global policy store when the applications are registered. These are als Bener Jecunity Provider.
Policy S	Store Provider				
d Search					
		ame to guery roles	defined by this	application. Use a	plication stripe to search if application uses a stripe that is different from application name.
	Role Nar	ne Starts With		•	
View -	Create	E Create Like		× Delete	Detach
-	-	110			
_			Edit	the selected applica	
Role N	lame	Die	play Name		Description
default	_Composer	Co	mposer for the	Default Partition	A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security poli.
default	_Deployer	Co	mposite Deplo	yer for the Default F	A deployer is responsible for deploying new applications, upgrading existing applications, and managing the continuous integratio
default	_Tester	Ter	ter for the Defa	ult Partition	A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of.
default	_ApplicationOperat	or Ap	olication Opera	tor for the Default P	a An application operator is responsible for handling customer complaints and making decisions on requests that result in faults in t.
default	_Monitor	Mo	nitor for the De	ault Partition	A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition
Middley	wareOperator	SO	A MiddleWare	Operator	A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w.
Middle	wareAdministrator	SO	A Middleware A	dministrator	A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always resp
SOAAd	min	so	A Admin Role		SOA application admin role, has full privilege for performing any operations including security related
SOAOp	erator	so	A operator Rol	9	SOA application operator, for common operational tasks like start, stop, monitor, backups
SOAMO	nitor	so	A Monitor Role		SOA application monitor role, has read-only privileges for monitoring
SOAAu	ditAdmin	SO	A Audit Admin I	Role	SOA audit administrator role, can perform audit configuratoin and administration
SOAAu	dit√iewer	SO	A Audit Viewer	Role	SOA audit viewer role, can view audit records
BPMW	orkflowAdmin	BP	M Workflow Sys	stem Admin Role	BPM Workflow Administrator Application Role
BPMW	orkflowCustomize	BP	M Workflow Cu	stomize Role	BPM Workflow Customize Application Role
BPMAG	Admin	BP	M Activity Guide	Admin Role	BPM Activity Guide Administrator Application Role
BPMO	ganizationAdmin	BP	M Organization	Admin role	BPM Organization Administrator Application Role
					SOA Designer



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

ORACLE Enterprise Manager Fusion Middleware Control 12c	WebLogic Domain 🔻 weblogic 💌 🚥
t soa-infra o SOA Infrastructure *	Mar 21, 2016 12:34:21 PM IST 💙
Edit Application Role : SOAAdmin	OK Cancel
Role (or Enterprise Role) is the group of users designed at the enterprise level and typically used to assign a privilege or permission. A role can also contain other roles as member	<b>S</b> .
General	
Application Stripe soa-infra	
Role Name St	
Display Name St A Search	
Description SC	
pe Type Group 👻	
Principal Name Starts With 💌	
Members Display Name Starts With 💌	
An application role may nee bisplay hand bis	
Administratore	/pe roup
Principal Display Name Description	
No Search Conducted	
Advanced Option	
Check to enter principal name here instead of searching from above. This option can be used for advanced scenarios related to custom authentic	ators.
	OK Cancel

5. Provide the principal name as (EX:ALLROLES-000) Param\_val which is mapped to the OR\_ADMINROLE in the cstb\_param table and search the role.Click on ok.

	nterprise Manager Fusion N	liddleware Control 12c		₩ WebLogic Domain ▼ weblogic ▼
E 1 soa-infra 0 H SOA Infrastruct				Mar 21, 2016 12:34:21 PM IST 🕥
Edit Application R Role (or Enterprise Role) is t General		e enterprise level and typical	y used to assign a privilege or permission. A role can also contain other roles ar	ok Cancel
Application Stripe so Role Name Sc Display Name Sc	Add Principal	lect the application roles that	you want to grant permissions to.	
Description S( pe re	- Search	Type Group Principal Name Starts V		
An application role may nee View 👻 🕂 Add	Searched Principals	Display Name Starts \	Search roles	
Administrators	View 🔻 📄 Detach			/pe roup
Automitauatore	Principal ALLROLES-000	Display Name	Description ALLROLES-000	
	Advanced Option Check to enter principal na	ime here instead of searchin	g from above. This option can be used for advanced scenarios related to custom	authenticators.
0.184.133.168:7401/em/faces/as	s/security/editAppRole?type=orac	le_soainfra⌖=/Domain_	soa_domain/soa_domain/soa_serverL/soa-infra#	



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

	orise Manager Fusi	on Mic
📑 WebLogic Domain 🔻		
Target Navigation		۵.
View 🔻		ê.
<ul> <li>Application Deployments</li> <li>SOA</li> <li>WebLogic Domain</li> <li>Business Activity Monito</li> <li>Metadata Repositories</li> <li>User Messaging Service</li> <li>usermessagingdriver</li> <li>usermessagingdriver</li> <li>usermessagingserve</li> <li>usermessagingserve</li> <li>usermessagingserve</li> </ul>	ring	En Tł Vi
	System MBean Browser Target Information	

- 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 Fust	on Middleware Control 12c	🔬 webłogi: 🔻 🔘
Target Navigation	termessagingdriver-email ③     Set User Messaging Email Driver ▼	Logged in as weblogici 📗 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:09:57 AM 15T 💍
Application Deployments  SOA  SOA  Business Activity Monitoring	Edit Driver Properties	OK Cancel
<ul> <li>▶ Metadata Repositories</li> <li>▲ Wetadata a Repositories</li> <li>▲ Wetadatatatatatatatatatatatatatatatatatat</li></ul>	Name PCUBS121 Driver Type User Messaging Email Driver Domain Configuration Level Custer Name Supported Dothery EMAIL Capability SEND, RECEIVE Supported Content Types Supported Status Types DELIVERY_TO_GATEWAY_SUCCESS, DELIVERY_TO_GATEWAY_SUCCESS, USER_REPLY_ACMONVLEDGEMENT_FAILURE	Supported Protocols SMTP Supported Carriers

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

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

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



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

13. Navigate to SOA Administration ->Workflow Properties

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📲 WebLogic Domain 🕇	-		
Target Navigatio		থি soa-infra © ঈৣ SOA Infrastructure ▼	Logged in as weblogic 🗍 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:15:16 AM IST 🕻
<ul> <li>Application Depl</li> <li>SOA</li> <li>SGA</li>     &lt;</ul>		Hailer       Task.         Information       All changes made in this page require a server restart to take effect.         Workflow Notification Properties       Before configuring the Workflow Notification, configure the Messaging Service Driver. Go to the Messaging Driver page         * Notification Mode       Email          Notification Service       Email	Ø Related Links ▼ Apply Revert
嶺 usermessa	Service Engines  Bindings Services and References Business Events	* Email : From Address XxX@XXX.com * Email : Actionable Address gggg@ggg.com * Email : Reply To Address XXX@XXX.com	
	SOA Administration  Security  Administration  Target Information	Common Properties cation Configuration Properties BPEL Properties BPNN Properties Workflow Properties Workflow Properties	
		828 Server Properties Cross References Taken Configurations Auto Purge	

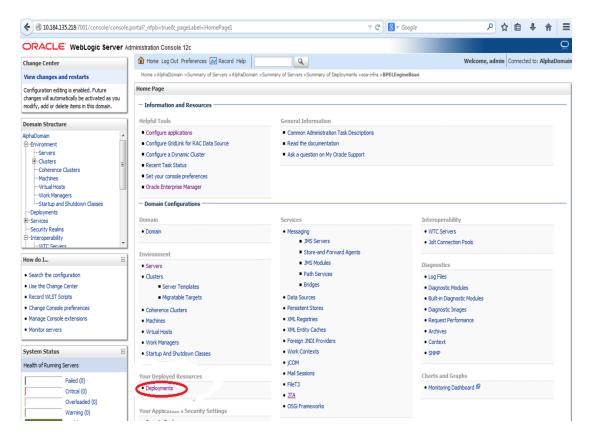
14. Select the notification mode as Email/ALL and enter the from address Actionable address and reply to Address.



## 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





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

Security Realms	Name 🕎	State	Health	Туре	Targets	Deployment Order
-Interoperability	forade.wsm.console.core.view(1.0, 12. 1. 3.0)	Active		Library	AdminServer	311
low do I	orade.wsm.seedpolicies(2.0, 12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
Install an enterprise application     Configure an enterprise application	♂OracleAppsAdapter	Active	🖋 ок	Resource Adapter	SOAServer	328
Update (redeploy) an enterprise application Start and stop a deployed enterprise	♂ OradeBamAdapter	Installed		Resource Adapter		329
application Monitor the modules of an enterprise application	CradeBPMBACServerApp	Active	🖋 ок	Enterprise Application	SOAServer	384
Deploy EJB modules     Install a Web application	ToradeBPMComposerRolesApp	Active	🗸 ок	Enterprise Application	SOAServer	382
ivstem Status	CradeBPMProcessRolesApp	Active	🗸 ок	Enterprise Application	SOAServer	381
Health of Running Servers	CracleBPMWorkspace	Active	🖋 ок	Enterprise Application	SOAServer	383
Failed (0) Critical (0)	orail8n-adf(11,11.1.1.0)	Active		Library	AdminServer, BAMServer, SOAServer	100
Overloaded (0) Warning (0)	💑 owasp.esapi(2.0, 12. 1. 3)	Active		Library	AdminServer, BAMServer, SOAServer	100
OK (2)	SAPAdapter	Installed		Resource Adapter		335
	[]      [] Simple Approval TaskFlow	Active	🖋 ок	Enterprise Application	SOAServer	386
	🖲 📑 soa-infra	Active	🖋 ок	Enterprise Application	SOAServer	350
	Coso-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
	UIX(11,12.1.3.0.0)	Active		Library	AdminServer, BAMServer, SOAServer	100

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

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



Workflow Task Service Properti × Se	ettings for BPELEngineBean 🗙 🜔	http://ofss222nitFilter=true × 🜔 Connecting	× New Tab × +
③ 10.184.135.218:7001/console/conso	ole.portal?_nfpb=true&_pageLabel=EJBCo	mponentConfigurationPage&handle=com.bea.console.handles $\triangledown$ C	f 🔀 = Google 🔎 🏠 🖨 🖡 🔒
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 B-Services	Transaction Type:	Container	The bean's transaction type. More Info
Security Realms Interoperability	EJB Class Name:	com.collaxa.cube.engine.ejb.impl.bpel.BPELEngineBean	EJB Class Name More Info
ow do I	- Pool Configuration		
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 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
ystem Status E	Idle Timeout:	0	The maximum length of time (in seconds) an EJB should remain in the cache or free pool before it is passivated or removed. More Info
Failed (0)	- Enterprise Bean Configuration		
Critical (0) Overloaded (0)	Network Access Point:		Custom network channel that the EJB uses for network communications. More Info
Warning (0) OK (2)	Run As Principal Name:		The security principal to be used as the run-as principal for a bean that has security-identity specified in its ejb-jar.xml file. More Info
	Create As Principal Name:		The principal to be used when ejbCreate would otherwise run with an anonymous principal. More Info
	Remove As Principal Name:		The principal to be used when ejbRemove would otherwise run with an anonymous principal. More Info
	Passivate As Principal Name:		The principal to be used when ejbPassivate would otherwise run with an anonymous principal. More Info
	JNDI Name:		The JNDI name of an EJB, resource, or reference in WebLogic Server. More Info
	Local JNDI Name:		The JNDI name for a bean's local Home. More Info
	🚯 Dispatch Policy:		Designates which server execute thread pool the E38 should run in. More Info
	Transaction Timeout:	300	The transaction timeout value, in seconds. More Info
WebLogic Server Version: 12.1.3.0.0	Save		
Dopyright (c) 1996,2014, Oracle and/or its affiliates. Dracle is a registered trademark of Oracle Corpora		Jemarks of their respective owners.	
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5. Go to EJBs→BPEL DeliveryBean→ Configuration→set Transaction TimeOut to 300

B2BUtilityBe	an	EJB	
BAMAction	4DB	EJB	
BeamAction	MDB	EJB	
Bottleneck	DetectionBean	EJB	
BPELActivity	yManagerBean	EJB	
BPELAuditT	raiBean	EJB	
BPELCachef	RegistryBean	EJB	
BPELCaches	StoreBean	EJB	
BPELCluster	Bean	EJB	
BPELDeliver	vBean	EJB	
BPELDispati	H BPELDeliveryBean, Level 3, 20 of 106	EJB	
BPELEngine		EJB	
BPELFinder	3ean	EJB	
	ceManagerBean	EJB	
BPELKeyGe		EJB	
BPELProces		EJB	
BPELSensor	ValuesBean	EJB	
BPELServer		EJB	
BPELTestIn	stanceManager	EJB	
BpmAGProc	essBrokerServiceBean	EJB	
BpmAppSer		EJB	
	jectSecurityService	EJB	
BPMNActivi	yManagerBean	EJB	
BPMNAudit		EJB	
BPMNCluste		EJB	
BPMNDelive	ryBean	EJB	
BPMNDispat		EJB	
BPMNEngin		EJB	
BPMNFinder		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.BPELDelveryBean	EJB Class Name More Info		
	— Pool Configuration ——				
ow do I 🗉	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 ystem 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		
lealth of Running Servers	— Enterprise Bean Configu	ration			
Falled (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (4)	Network Access Point:		Custom network channel that the EJB uses for network communications. More Info		
	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)



· · · ·							
	ministration Console 12c		Q				
Change Center	🏠 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: dev_domain				
View changes and restarts	Home >Summary of Deployments >dev_domain	Web Service Security       Notes         Logging       Log Filters         A) 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. The specified source of two-phase transaction is automatically role back. More Info         86400       Specifies the maximum amount of time, in seconds, a table transaction is automatically role back. More Info         10       The maximum number of cycles that the transaction manager pressits in attempting to complete the second phase of a two-phase commit transaction. More Info         10       The maximum number of smultaneous in-progress transactions allowed on a server in this WebLogic Server domain. More Info         10000       The maximum number of smultaneous in-progress transactions allowed on a server in this WebLogic Server domain. More Info         100       The maximum number of unique transaction namager preforms the before Completion philosing of the distet of More Info         10000       The internal at which the transaction manager creates a new transaction recovery logs are written even if one or more determiners are configured. More Info         300       The internal at which the transaction recovery logs are written even if one or more determiners are configured. More Info         indicates two-phase transaction recovery logs are written even if one or more transaction recovery when a TLog is not present. More Info					
Configuration editing is enabled. Future	Settings for dev_domain						
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Monitoring Control Security Web	Service Security Notes					
Domain Structure	General JTA JPA EJBS Web Applications Loggi	ng Log Filters					
dev_domain							
Environment     Deployments	Save						
Services	Use this page to define the Java Transaction API (JTA) cor	nfiguration of this WebLogic Server d	lomain.				
Security Realms     Interoperability							
B-Diagnostics	Timeout Seconds:	3600	Server domain. Server domain. Specifies the maximum amount of time, in seconds, an active transaction is allowed to be in the first phase of a two-phase committee that the specified amount of time explicit amount of the respecified amount of time explicit amount of time information and the second phase of a two-phase commit transaction. More Info The maximum number of cycles that the transaction manager performs the before.complete on synchronization calback for this WebLogic Server domain. More Info The maximum number of smultaneous in-progress transactions allowed on a server in this WebLogic Server domain. More Info The maximum number of fundue transaction manager for Mich statatics are maintained. More Info The interval at which the transaction manager creates a new transaction tog files and checks al old transaction log files to see if they are ready to be deleted. More Info Indicates two-phase transaction recovery logs are written even if one or more determiners are configured. More Info Specifies a list of one or more transaction recovery logs are written even arture of the cords are used during transaction 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				
	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	Fettings for dee_domain         Fettings for dee_domain         Configuration Monitoring Control Security Web Service Security Notes         General TA 3PA EBS Web Applications Logging Log Filters         Security of Defetyments > deer_domain         Use the page to define the Java Transaction API (17A) configuration of this WebLop: Server doman.         Timeout Seconds:       3600         Security role to define the Java Transaction API (17A) configuration of this WebLop: Server doman.         Timeout Seconds:       3600         Security role to define the Java Transaction API (17A) configuration of this WebLop: Server doman.         Nandon Timeout Seconds:       3600         Security role to define the Java Transaction API (17A) configuration of this WebLop: Server doman.         Nandon Timeout Seconds:       86400         Security role to back. More Info         Before Completion Iteration Limit:       10         The reasonum number of role copies transaction ranager progress transaction colack for this WebLop: Server doman.         Max Transactions:       10000         The maximum number of role uses in-progress transaction is a server in this WebLop: Server doman.         (0)       The maximum number of role uses in-progress transaction is given and the dock all of transaction reavery logs are written event from and the reaver of unger transaction reavery logs when determiners configured         Max Unique Hame Statistics:						
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						
	Determiners:		(determiners) separated by line breaks. A determiner's in-doubt transaction records are used during transaction recovery when a				
	✓ Forget Heuristics		Specifies whether the transaction manager automatically performs an XA Resource forget operation for heuristic transaction completions More Info				

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



soa-infra (SOA Infrastructur			http://ofss222nitFilter=true × Connect Ormain_AlphaDomain%2FAlphaDomain%2FSOASe		× +	) 自 J	
			entento apraziona intentazi i apraziona intentiona di origi				
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WebLogic Domain 🔻						. 🔾	
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BPELCE	equencing Groups		Auto Purge Enabled ()				Ch Al
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Bind BPELLir Bind	ings 🔸			Composites and Adapters Availability			
CIDEPI	ices and References		SOA Runtime Health				
	ness Events			SOAServer 💌		~	
CloseR SOA	Administration	Common Properties				$ \bigcirc$	Composit
	urity 🕨 🕨	BPEL Properties	soa-infra (SOAServer)	✓ No Composite Start-Up Errors			Sensor N
Adm	inistration	BPMN Properties	Initialized Successfully				
	et Information	Mediator Properties	R	No EIS Connectivity Errors			
CRPClosureProc	cess [1.0]	Workflow Properties	i la	All Composites are UP			
CRPProcess [1.	0]	B2B Server Properties		✓ All adapter service endpoints are UP			
CRPProcess [2.		Cross References		All adapter service endpoints are or			
	tCreationWithCreditFacility	Token Configurations	System Backlogs				
DBUtility [1.0]		Auto Purge					
DBUtility [2.0]	ORRetailLoanContract [1.0		Last* 24 🗘 Hours 💽 🔞				
CODE EQEXProcess [1		1					
EXPNProcess [1	-		Refresh region to show the latest data.				
📲 🔒 ExternalValuatio							
	RRetailLoanPayment [1.0]		Messages in Queues:				
	kFCUBSORService [1.0]		BPEL Invoke				
	anContractFCUBSORServic		BPEL Callback				
	anPaymentFCUBSORServic uationFCUBSORService [1.		Mediator Parallel Routing				
KYCCheck [2.0]		0]	-				
KYCCorporateR							
KYCReview [2.0							
LimitReview [1.0							
OpenCurrentAc							
OpenRetaiTerm	Deposit [1.0]		•				



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et Navigation		System MBean Browser				
▼		Application Defined MBean	s: BPELConfig:bpel		Apply	y F
Application Deployments		(1) Information				
SOA			in are not managed by the configuration session. The changes will be applied im	mediately	. You cannot undo the	e chan
😸 soa-infra (SOAServer)		from the Change Center.				
4 🔞 default		Show MBean Information				
4 AmendFCUBSORNFRetailLoanContract [1.0]		Attributes Operations Notifica	tions			
AmendFCUBSORRetailLoanContract [1.0]			Description	Access	Mahaa	
AmendRetailLoanContractFCUBSORService [1.0]		Name	a separate location from the rest of the instance scope data	Access	value	
역 BIPUtility [1.0] 에너 BPELCOLLATProcess [1.0]			specify the number of invoke messages that can be kept in the			
Ma BPELCRPClosureProcess [1.0]			in-memory cache, once the engine hits this limit, it would push the agesIr message to dispatcher in-memory cache, instead it would save the	RW	100000	
BPELCRPProcess [1.0]		22 MaximuminumberOtInvokemess	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 bpelcynprocess [1.0]			recovery job, you can use value -1 to disable			
BPELLimitReview [1.0]		23 MaxRecoverAttempt	This value specifies the maximum number of times an invoke or callback	RW	2	
G CIBLProcess [1.0]			or activity will be recovered The minimum time duration for BPEL to do a real wait that involves a			
GoseFCUBSORRetailLoanContract [1.0]	=	24 MinBPELWait	dehydration	RW	2	
CloseRetailLoanContractFCUBSORService [1.0]	•	25 objectName	The MBean's unique JMX name	R	oracle.as.soainfra.c	config
COLLATProcess [1.0]		26 OneWayDeliveryPolicy	Changes whether the one-way invocation messages are delivered	RW	async.persist	
CRDCProcess [1.0]		QualityOfService	flag to enable or disable coherence cache for bpel service engine. use	RW	DirectWrite	
Q CreditBureauBPEL [1.0]			CacheEnabled for enabling coherence. flag to enable or disable coherence cache for boel service engine when			
어울 CreditBureauHandler [1.0] 여읍 CRPClosureProcess [1.0]		28 QualityOfServiceAuditStorePoli	syUsel auditStorePolicy is set to async	RW	false	
CRPClosureProcess [1.0]		29 OualitvOfServiceOneWavDelive	fina to opphilo or displic scheronce states for bool service engine when	RW	false	
CRPProcess [2.0]		· · · · · · · · · · · · · · · · · · ·	oneWayDeliveryPolicy is set to async			
CurrentAccountCreationWithCreditFadility [1.0]		30 ReadOnly	If true, it indicates that this MBean is a read only MBean.	R	false	
BBUtility [1.0]		31 RecoveryConfig	Recovery Configuration	RW	javax.management	oper
BUtility [2.0]		32 RecurringMaxMessageRaiseSize		RW	50	
DisburseFCUBSORRetailLoanContract [1.0]		33 RestartNeeded	Indicates whether a restart is needed.	R	false	
Q EQFXProcess [1.0]		34 SpecCompliance	Sets how the implementation is compliant to the spec	RW	suggest	
B EXPNProcess [1.0]		35 StartupMaxMessageRaiseSize	Number of messages to recover during startup recovery	RW	50	
CarternalValuation [2.0]		36 StatsLastN	The size of the "most recently processed" request list	RW	-1	
Q InitiateFCUBSORRetailLoanPayment [1.0]		37 SyncMaxWaitTime	The maximum time a request/response operation will take before it times out. The default value is <u>45 seconds</u> .	RW	45	
		38 SystemMBean	If true, it indicates that this MBean is a System MBean.	R	false	
InitiateRetailLoanContractFCUBSORService [1.0]     InitiateRetailLoanPaymentFCUBSORService [1.0]		39 ValidateXMI	If set to "true" the engine will apply schema validation for incoming and	RW	false	
Ma InitiateRetailLoanPayment-CUBSORService [1.0]     Ma InitiateRiskEvaluationFCUBSORService [1.0]			outgoing xml documents. The default value "false".			
W KYCCheck [2.0]		40 Version	version of the config file	R	11.1.0	
KrCcrporateReview [2.0]		41 Visible	If true, it indicates that this MBean is visible to current user.	R	true	



# 1.3 Integrating Oracle FLEXCUBE UBS and Scheduler

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

## 1.3.1 Running Backend Scripts

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

Follow the steps given below:

- 1. Download Quartz Latest Qualified Version.gz file from the following URL: http://www.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 - Installation [May] [2022] Version 14.5.5.0.0

Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India

Worldwide Inquiries: Phone: +91 22 6718 3000 Fax: +91 22 6718 3001 https://www.oracle.com/industries/financial-services/index.html

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