Setting up Plug-Ins Oracle FLEXCUBE Universal Banking Release 12.3.0.0.0 [December] [2016]

FINANCIAL SERVICES

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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 'FCBPELCIS.jar' file. 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. Copy this files to <ORACLE_HOME>\wlserver\server\lib\mbeantypes
- 2. Restart the Admin Server
- 3. Login to the Console
- 4. Click on Security Realms.

ORACLE WebLogic Server	Administration Console 12c		Ģ
Change Center	🔒 Home Log Out Preferences 📐 Record Help	Q	Welcome, weblogic Connected to: Dev1201_doma
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 Change Console preferences 	Coherence Clusters	Persistent Stores	Diagnostic Images
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	Work Managers	 Foreign JNDI Providers 	Context
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5. Click on myrealm.



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Domain Structure	security realms in a WebLogic Server domain, but only one can be set as the de	efault (active) realm.
Dev1201_domain	This Security Realms page lists each security realm that has been configured in Customize this table Realms (Filtered - More Columns Exist)	this WebLogic Server domain. Click the name of the realm to explore and configure that realm.
Diagnostics	New Delete	Showing 1 to 1 of 1 Previous Next
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Change the default security realm		
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Click on Providers tab and click on new button to create new authentication provider.
 Give Provider name as FCJCustomProvider and type as FCUBSUserAuthenticator.

	dministration Console 12c	Q			
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: Dev1201_domain			
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8. Click Reorder to bring provider to first of all providers and click OK.



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9. Click on FCJCustomProvider.
 10. In Common tab change the control flag to "SUFFICIENT".



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Domain Structure	Common Provider Specific					
Dev 120 1_domain B-Environment	Save					
Deployments El-Services	This page allows you to define	the general configuration of this provider.				
Security Realms	資 Name:	FCJCustomProvider				
Diagnostics	Description:	Authentication provider for FLEXCUBE users				
	④ Version:	FCUBS 12.1				
	👸 Control Flag:	SUFFICIENT .				
How do I	Save					
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System Status	1					
Health of Running Servers						
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11. In Provider Specific tab

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

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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					
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er Diagnostics	🚱 Authentication Type:	MSAD 💌				
	🎢 Ldap Domain Name:	OFSS.COM				
	6 Security Authentication Type:	simple -				
How do I	🏀 Ldap Server Ip And Port:	localhost389				
No task help found.	🗐 資 External Password Required					
System Status Health of Running Servers	🏀 Ldap Server Time Out Duration:	0				
Failed (0)	🔲 🏀 Msad Or Ldap Login Required					
Critical (0) Overloaded (0) Warning (0)	🥂 JNDIName:	jdbc/fcjdevDS				
OK (3)	Save					
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12. For manually editing the config.xml go to

<ORACLE_HOME>\Middleware\user_projects\domains\base_domain\config\ path. Open config.xml file. 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:fcubsuser-authenticatorType">

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



<n1:ldap-server-ip-and-port>LDAP://localhost:389</n1:ldap-server-ip-and-port> <n1:ldap-ssl-enabled>true</n1:ldap-ssl-enabled> <n1:security-authentication-type>simple</n1:security-authentication-type> <n1:ldap-domain-name>OFSS.COM</n1:ldap-domain-name> <n1:ldap-server-time-out-duration>0</n1:ldap-server-time-out-duration> </sec:authentication-provider>

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

1.2.2 Configuring libovd for single Entity

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

- 1. Along with the Oracle FLEXCUBE UBS EAR file, the Installer creates 'FCBPELCIS.jar' file.
- Create a folder by name 'classes' at the location '<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x'.
- 3. Extract the file 'FCBPELCIS.jar' and copy the content of the folder 'com' to: '<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x\classes'.
- 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 defined in the properties file 'fcubs.properties'.
- Copy 'FCBPELCIS.jar' to '<MIDDLEWARE_HOME>/user_projects/domains/<domain_name>/config/fmwconfig/ovd/plu gins/lib.Create the directory structure if it does not exists.
- Copy the fcubs_adapter.xml to </MIDDLEWARE_HOME>/oracle_common/modules/oracle.ovd/templates/



fcubs_adapter.xml

- Search for <FCUBSDATASOURCE> in fcubs_adapter.xml and update it with fcubs Datasource name.
- 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 and fcubs datasource

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

9. Once the above steps are completed, 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/



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.

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

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

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

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

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

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

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

- 9. Repeat from step2 to step7for each entity creation
- 10. Once the above steps are completed, restart the server.



1.2.4 Configuring for Multiple Providers for Multiple Entities

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

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



3. Click on myrealms.

	dministration Console 12c		Ç
Change Center	🔒 Home Log Out Preferences 🔛 Record Help	Q	Welcome, weblogic Connected to: soa_doma
View changes and restarts	Home >Summary of Servers >Summary of Security Real	Ims >myrealm >Providers >FCUBS >Summary of Sec	urity 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.			icles, and security providers—that are used to protect WebLogic resources. You can have multiple alm, which is reserved for domain administrative purposes.
soa_domain B ⁻ Domain Partitions B ⁻ Environment Deployments B ⁻ Services Security Realms	This Security Realms page lists each security realm the Customize this table Realms (Filtered - More Columns Exist)	hat has been configured in this WebLogic Server o	onain. Click the name of the realm to explore and configure that realm.
Interoperability Diagnostics	New Delete		Showing 1 to 1 of 1 Previous Next
	🔲 Name 🏟	Default Realm	
	myrealm	true	
	New Delete		Showing 1 to 1 of 1 Previous Next
How do I 😑			
Configure new security realms			
Enable automatic realm restart			
Delete security realms			
 Change the default security realm 			
System Status 🖂			
Health of Running Servers			
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)			
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. A Oracle is a registered trademark of Oracle Corporation	III rights reserved. n and/or its affiliates. Other names may be trademarks of their n	espective owners.	

10.184.133.168.7401/console/console.portal?_nfpb=true&_pageLabel=RealmgeneralTabPage&SecurityRealmRealmGe....bea.console.handles.SecurityMBeanHandle("SecurityName=myrealm;weblogic.management.security.RealmMBean")



4. Click on Providers.

ORACLE WebLogic Server Ad	ministration Console 12c			<u>ç</u>
Change Center	Home Log Out Preferences	Record Help	Q	Welcome, weblogic Connected to: soa_dom
View changes and restarts	Home >Summary of Security Real	ms >myrealm >Providers >FCUBS >Sum	mary of Security Realms >myrealm >Summary o	of Security Realms >myrealm >Summary 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 Gro	oups Roles and Policies Credenti	al Mappings <u>Providers</u> Migration	
Domain Structure	General RDBMS Security Sto	vre User Lockout Performance	Providers- Tab	
soa_domain III-Domain Partitions III-Environment	Save			
Degloyments Services Services Services Degloyments Degloyments Degloyments Degloyments Degloyments Degloyments Degloyments	Note: If you are implementing			 you must use the DD Only security model. Other WebLogic Server models are sabled.
	Name:	myrealm		The name of this security realm. More Info
	Escurity Model Default:	DD Only	•	Specifies the default security model for Web applications or E38s that are secured by this security reaim. You can override this default during deployment. More Info
How do I • Configure new security realms • Enable automatic realm restart	🗑 👸 Combined Role Mapp	ing Enabled		Determines how the role mappings in the Enterprise Application, Web application, and EBs containers interact. This setting is valid only for Web applications and EBs that use the Advanced security model and that initialize roles from deployment descriptors. More Info.
Manage security for Web applications and E3Bs Set the default security model	🔲 🐠 Use Authorization Pr	oviders to Protect JMX Access		Configures the WebLogic Server MBean servers to use the security realm's Authorization providers to determine whether a JMX dient has permission to access an MBean attribute or invoke an MBean operation. More Info
Delegate MBean authorization to the realm System Status	Automatically Restart A	fter Non-Dynamic Changes		Specifies whether the Realm will be auto-restarted if non-dynamic changes are made to the realm or providers within the realm. More Info
Health of Running Servers	Retire Timeout:	60		Specifies the retire timeout for a realm that is restarted. The old realm will be shutdown after the specified timeout period has elapsed. More Info
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)	- December 2012 Advanced			
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5. Click on New

dministration Console 12c	ç			
🕜 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: soa_dom			
Home >myrealm >Providers >PCUBS >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers				
Settings for myrealm				
Configuration Users and Groups Roles and Policies Credential Mappings Providers Migration				
Authentication Password Validation Authorization Adjudication Role Mapping Auditing Credential Map	pping Certification Path			
An Authentication provider allows Welk ogic Server to establish trust by validating a user. You must have one Authentication providers in a security realm. Different types of Authentication providers are designed to access different data stores, so Customize this table Authentication Providers	as LDAP servers or DBMS.			
	Showing 1 to 4 of 4 Previous Next			
Name Description	Version			
FCUBS 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			
DefaultIdentityAsserter WebLogic Identity Assertion provider	1.0			
New Delete Reorder	Showing 1 to 4 of 4 Previous Next			
	Home >myrealm >Providers > PCUBS > Summary of Security Realins >Summary of Security Realing >Summary of Security Security Real			



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

	dministration Console 12c	9
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 wil automatically be activated as you modify, add or delete items in this domain.	Create a New Authentication Provider OK Cancel	
Domain Structure	Create a new Authentication Provider	
soa_domain Domain Partitions Environment Deployments	The following properties will be used to identify your new Authentication Provider. * Indicates required fields	
Services Security Realms	The name of the authentication provider.	
Interoperability ⊡Diagnostics	* Name: ENTITYID	
	This is the type of authentication provider you with to create. Type: FCUBSUserAuthenticator	
How do L	OK Cancel	
Manage security providers		
Configure Authentication and Identity Assertion providers		
System Status		
Health of Running Servers		
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)		
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7. click on Reorder.Bring the Authenticatiorprovider the first in the order and click ok.

\smile	
	Iministration Console 12c
Change Center	🟦 Home Log Out Preferences 🖾 Record Help
View changes and restarts	Home >FCUBS >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Reorder Authentication Providers OK Cancel
Domain Structure	Reorder Authentication Providers
soa_domain ⊕ ·Domain Partitions	You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter the authentication sequence.
Briversonent Deployments Deployments Dervices Dervices Dervices Deployments Deployments Deployments Deployments Deployments Deployments Deployments New do L. Delvices	Select authenticator(§) in the list and use arrows to move them up and down in the list.
Ke-order Addrenication providers Set the JAAS control flag	OK Cancel
System Status	
Health of Running Servers	
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)	
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8. Click the Provider that we have created.

nge Center	Home Log Out	Preferences 🔤 Re	cord Help		2				Welcome, weblogic	Connected to: soa_dor		
ew changes and restarts	Home >myrealm >S	ummary of Security Re	alms >myrealm >Su	mmary of Security F	tealms >myrealm :	Providers >	ENTITYID >Providers	>ENTITYID > Provider	s			
nfiguration editing is enabled. Future	Settings for myrealm											
anges will automatically be activated as you dify, add or delete items in this domain.	Configuration U	sers and Groups R	oles and Policies	Credential Mappin	gs Providers	Migratio	n					
main Structure	Authentication	Password Validation	Authorization	Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path				
, domain Domain Partitions Environment Deployments Security Realms Interoperability Diagnostics	providers in a sec Customize this Authentication	urity realm. Different table Providers						provider in a security re s LDAP servers or DBM				
	New Delete	Reorder		ſ	escription					to 5 of 5 Previous Nex		
	ENTITYID			A	uthentication pro	vider for FL	EXCUBE users		F	CUBS 12.2		
w do I 🗉	FCUBS			A	uthentication pro	vider for FL	EXCUBE users		F	DUBS 12.2		
Configure Authentication and Identity	Trust Servic	e Identity Asserter		т	rust Service Ider	tity Assertic	on Provider		1	0		
Assertion providers	DefaultAuth	enticator		v	/ebLogic Authen	ication Prov	ider		1	0		
Configure the Password Validation provider	DefaultIden	tityAsserter		۷	/ebLogic Identity	Assertion p	rovider		1	0		
Manage security providers Set the JAAS control flag	New Delete	Reorder							Showing 1	to 5 of 5 Previous Nex		
Re-order Authentication providers												
stem Status 🖂												
alth of Running Servers												
Failed (0)												

10.184.133.168/7401/console/console.portal?.nfpb=true&DispatcherPortletperspective=configuration&_pageLabel=...viders.authenticationFCUBSUserAuthenticatorMBean%22%29&DispatcherPortletproviderType=AuthenticationProvider



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

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

	ministration Console 12c		Ģ
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: soa_doma
View changes and restarts	Home >Summary of Security Realms >myrealm >Summar	y of Security Realms >myrealm >Providers >ENT	ITYID >Providers >ENTITYID >Providers >ENTITYID
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings for ENTITYID Configuration		
Domain Structure	Common Provider Specific		
soa_domain Domain Partitions Denvironment Deployments	Save This page allows you to configure additional attributes	s for this security provider.	
Depoyments Services Services Security Realms Deformation	🕰 Ldap Server Ip And Port:	localhost389	
Diagnostics	년 JNDIName:	jdbc/fcjdevDS	
	🗐 🏀 External Password Required		
	Hap Server Time Out Duration:	0	
How do I No task help found.	🗐 🚓 Multi Entity Enabled		
System Status	Ecurity Authentication Type:	simple -	
Health of Running Servers	街 Entity Id:	ENT1	
Failed (0) Critical (0) Overloaded (0)	街 Ldap Domain Name:	OFSS.COM	
Warning (0) OK (3)	🗐 👸 Ldap SSLEnabled		
	🗐 👸 Msad Or Ldap Login Required		
	🍘 Authentication Type:	MSAD 💌	
	Save		
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1995,2015, Oracle and/or its affiliates. All	rights reserved.		

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.



Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: soa_do
View changes and restarts	Home >Summary of Security Realms >myrealm >Summar	ry of Security Realms >myrealm >Providers >ENTITYID >Provid	ers >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	This page allows you to configure additional attribute	a far this sam site annullar	
Deployments Services		is for this security provider.	
Security Realms	e Ldap Server Ip And Port:	localhost389	
Diagnostics	ළළි JNDIName:	jdbc/fcjdevDS	
	External Password Required		
	2 Ldap Server Time Out Duration:	0	
No task help found.	Multi Entity Enabled		
	Security Authentication Type:	simple 💌	
System Status Health of Running Servers	Entity Id:	ENT1	
		ENTI	
Failed (0) Critical (0) Overloaded (0)	ල්ට් 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_don
View changes and restarts	Home >Summary of Security Realms >myrealm >Summ	ary of Security Realms >myrealm >Providers >ENTITY	ID >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 configure additional attribut	tes for this security provider.		
B−Services Security Realms B−Interoperability	🕂 Ldap Server Ip And Port:	localhost389		
⊕-Diagnostics	侵 JNDIName:	jdbc/fcjdevDS		
	🗐 👸 External Password Required			
	년 Ldap Server Time Out Duration:	0		
How do I 🖂	🗑 赶 Multi Entity Enabled			
System Status	Ecurity Authentication Type:	simple -		
Health of Running Servers	🕂 Entity Id:	ENT1		
Faled (0) Critical (0) Overloaded (0)	🔁 Ldap Domain Name:	OFSS.COM		
Warning (0) OK (3)	🔲 街 Ldap SSLEnabled			
	🔲 街 Msad Or Ldap Login Required			
	Authentication Type:	MSAD 💌		
	Save			
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- 13. Create the new datsource 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 mutlientity scenario.



1.2.5 Configuring DBAdapter

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

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

Change Center	6	Hor	ne Log Out Preferences 🔤 Record Help			v	/elcome, weblogic Conne	cted to: Dev1201_don
View changes and restarts		Home	>Summary of Deployments					
Configuration editing is enabled. Future	S	umma	ary of Deployments					
hanges will automatically be activated as you nodify, add or delete items in this domain.		Contr	ol Monitoring					
omain Structure ev 120; doman = Ontroment = Deployments = Searchs = Searchs = Searchs = Searchs = Changes = Changes		(rede To in Cust	age deplays a list of Java EE applications and stand-alone application modules that have been in gived), or detect from the doman by first selecting the application name and using the controls stall a new application or module for deployment to targets in this domain, dick the Install button. comize this table comments al Under Detect Start Stop v			nstalled application		
			a update uelete stan v stop v	State	Health	Туре	Showing 1 to 47	of 47 Previous Next
			₩ AqAdapter	Active	🖋 ОК	Resource Adapter	soa_server1	324
ow do I Instal an enterprise application			B Cobabul	Active	🖋 ок	Enterprise Application	soa_server1	313
Configure an enterprise application Update (redeploy) an enterprise application			E BamComposer	New		Enterprise Application	bam_server1	500
Start and stop a deployed enterprise application			E BamCQService	New		Enterprise Application	bam_server1	300
Monitor the modules of an enterprise application			E BamServer	New		Enterprise Application	bam_server1	400
Deploy EJB modules Install a Web application			E BPMComposer	Active	🖋 ок	Enterprise Application	soa_server1	385
ystem Status 🛛			ör coherence-transaction-rar	Active	🖋 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
ealth of Running Servers			CoherenceAdapter	Installed		Resource Adapter		331
Failed (0) Critical (0)			₿ DbAdapter	Active	🖋 ОК	Resource Adapter	soa_server1	322
Overloaded (0) Warning (0)			E CoDefaultToDoTaskFlow	Active	🖋 ОК	Enterprise Application	soa_server1	314
ОК (2)			E OMS Application (12.1.3.0.0)	Active	🖋 ОК	Web Application	AdminServer, bam_server1, soa_server1	5
			⊞ ⊡em	Active	🖋 ок	Enterprise Application	AdminServer	400
			EFCUBSApp (12.1.0.0)	Prepared	🖋 ок	Enterprise Application	soa_server1	500

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

	Iministration C			Record Help			Q				Welcome, weblogic Connected to: Dev1201_doma		
Change Center							a l				welcome, weblogic connected to: Devi201_doma		
View changes and restarts		mmary of Dep		oAdapter									
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for DbAdapter												
modify, add or delete items in this domain.	Overview	Deploymen	nt Plan C	onfiguration	Security	/ Targets	Control	Testing	Monitoring	Notes			
Domain Structure	General	Properties	Outbour	d Connection	1 Pools	Admin Object	s World	ad Ins	trumentation				
lev 1201_domain ⊕ Environment ⊡-Deployments ⊕ -Security Realms ⊕ Interoperability ⊕ Diagnostics	by connect Pool group	ction factory p. Click the n	interface ar ame of a gr	nd the instance:	s are listed to configu	by their JND	names. Ex	pand a gr	oup to obtain	configurat	e entries in the table represent Outbound Connection Pool groups. Groups are listed atom information for a Connection Pool instance within an Outbound Connection lisplayed in the table below.		
2"Diagnosecs	New	Delete									Showing 1 to 1 of 1 Previous Next		
	🔲 Gro	ups and In	stances 🔗	>						Connecti	tion Factory Interface		
	⊞j	avax.resour	ce.cci.Conne	ectionFactory					t	avax.rest	source.cci.ConnectionFactory		
	New	Delete									Showing 1 to 1 of 1 Previous Next		
How do L 😑													
Configure outbound connection pool properties													
System Status 🖂													
Health of Running Servers													
Failed (0) Critical (0)													

12. Click 'Configuration' tab and select 'Outbound Connection Pools' under it.



- 13. Under 'Groups and Instances', click and expand 'javax.resource.cci.ConnectionFactory'.
- 14. Click 'New' and select 'javax.resource.cci.ConnectionFactory' in Outbound Connection Group.
- 15. 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'.
- 16. Click 'DbAdapter' again. The new JNDI name is listed.
- 17. Click on the hyperlink 'eis/DB/FCCDEV'.

Change Center	Home Log	Out Preferences 🔤 Re	scord Help		٩		Welcome, weblog	ic Connected to: Dev1201_doma
View changes and restarts	Home >Summa	rry of Deployments >DbAd	lapter					
Configuration editing is enabled. Future	Settings for ja	vax.resource.cci.Conr	ectionFactory					
changes will automatically be activated as you modify, add or delete items in this domain.	General Pr	operties Transaction	Authentication	Connection Po	ol Logging			
Domain Structure Dev1201_domain	This page allo	iws you to view and modi	fy the configuration	properties of th	s outbound connection	pool. Properties you modify here are save	d to a deployment plan.	
Deployments	Outbound Co	onnection Properties						
Services Security Realms	Save						sł	nowing 1 to 8 of 8 Previous Next
 Interoperability Diagnostics 	Property N	ame 🗇	Property Type	Prope	rty Value		Supports	Dynamic Updates
	DataSourceN	lame	java.lang.String	jdbc/fc	devDS		false	
	DefaultNChar	r	java.lang.Boolean	false			false	
	PlatformClass	sName	java.lang.String	org.ed	pse.persistence.platfo	rm.database.Oracle10Platform	false	
	SequencePre	allocationSize	java.lang.Integer	50			false	
	UsesBatchWr	iting	java.lang.Boolean	true			false	
low do I	UsesNativeSe	equencing	java.lang.Boolean	true			false	
Configure outbound connection pool	UsesSkipLock	ing	java.lang.Boolean	true			false	
properties	XADataSourc	eName	java.lang.String				false	
System Status	Save						s	nowing 1 to 8 of 8 Previous Next
Health of Running Servers								
Failed (0)								
Critical (0)								
Overloaded (0)								
Warning (0)								
OK (2)								

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

1.2.6 Configuring JMS Adapter

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



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	dministration Console 12c		ç
hange Center	🏦 Home Log Out Preferences 🔤 Record Help	Q	Welcome, admin Connected to: AlphaDom
iew changes and restarts	Home >AlphaDomain >Summary of JMS Servers		
onfiguration editing is enabled. Future	Home Page		
nanges will automatically be activated as you odify, add or delete items in this domain.	- Information and Resources		
	Helpful Tools	General Information	
omain Structure			
ohaDomain 🔶	Configure applications	Common Administration Task Descriptions	
-Environment	Configure GridLink for RAC Data Source	 Read the documentation 	
+-Clusters	Configure a Dynamic Cluster	 Ask a question on My Oracle Support 	
Coherence Clusters	Recent Task Status		
Machines	Set your console preferences		
Virtual Hosts Work Managers	 Oracle Enterprise Manager 		
Startup and Shutdown Classes	- Domain Configurations		
Deployments			
Services	Domain	Services	Interoperability
E-Messaging	• Domain	Messaging	WTC Servers
Store-and-Forward Agents		JMS Servers	Jolt Connection Pools
w do I	Environment	Store-and-Forward Agents	
5w do 1	Servers	 JMS Modules 	Diagnostics
Search the configuration	Clusters	Path Services	Log Files
Use the Change Center	 Server Templates 	 Bridges 	Diagnostic Modules
Record WLST Scripts	 Migratable Targets 	Data Sources	Built-in Diagnostic Modules
Change Console preferences	Coherence Clusters	 Persistent Stores 	Diagnostic Images
Manage Console extensions	Machines	XML Registries	Request Performance
Monitor servers	Virtual Hosts	XML Entity Caches	Archives
	Work Managers	 Foreign JNDI Providers 	Context
ystem Status 🖂	Startup And Shutdown Classes	Work Contexts	SNMP
ealth of Running Servers		• jCOM	
earth of Running Servers	Your Deployed Resources	Mail Sessions	Charts and Graphs
Failed (0)		FileT3	Monitoring Dashboard
Critical (0)	Deployments	• JTA	 Monitoring Dashboard and
Overloaded (0)		OSGi Frameworks	
111 1 (0)	Your Application's Security Settings	- Coort Mileworks	
Warning (0)	 Security Realms 		





DRACLE WebLogic Server	Admir	nistration Console 12c				
hange Center		💼 Home Log Out Preferences 📐 Record Help	Q		Welcome, admin Con	nected to: AlphaD
view changes and restarts	11	Home > AlphaDomain > Summary of JMS Servers				
onfiguration editing is enabled. Future hanges will automatically be activated as you wodify, add or delete items in this domain.	5	Summary of JMS Servers	eues and topics in JMS modules that are targeted to them.			
omain Structure phaDomain / Environment Chervers	1.	This page summarizes the JMS servers that have been				
-Clusters -Coherence Clusters		JMS Servers (Filtered - More Columns Exist)				
Machines Virtual Hosts		New Delete			Showing 1 to 8	of 8 Previous Ne
Work Managers Startup and Shutdown Classes Deployments	L	🔲 Name 🌣	Persistent Store	Target	Current Target	Health
-Services		BamAlertEngineJmsServer	BamAlertEngineJmsFileStore	BAMServer	BAMServer	
-Messaging -JMS Servers		BamCQServiceJmsServer_BAMServer	BamCQServiceJmsFileStore_BAMServer	BAMServer	BAMServer	
Store-and-Forward Agents	1	BamReportCacheJmsServer	BamReportCacheJmsFileStore	BAMServer	BAMServer	
ow do I		BamServerJmsServer_BAMServer	BamServerJmsFileStore_BAMServer	BAMServer	BAMServer	
Configure JMS servers	11	BPMJMSServer	BPMJMSFileStore	SOAServer	SOAServer	🖋 ОК
Configure JMS system modules		SOAJMSServer	SOAJMSFileStore	SOAServer	SOAServer	🖋 ок
		UMSJMSServer_auto_1	UMSJMSFileStore_auto_1	BAMServer	BAMServer	
ystem Status	9	UMSJMSServer_auto_2	UMSJMSFileStore_auto_2	SOAServer	SOAServer	🖋 ОК
ealth of Running Servers Failed (0)		New Delete			Showing 1 to 8	of 8 Previous Ne
Critical (0)						
Overloaded (0)						
Warning (0)						
OK (2)	1					

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



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() 10.184.135.218:7001/console/console.	portal?_nfpb=true&_pageLabel=.	JmsServerCreateJMSSer	ver&JmsServerCreateJMSSer	verPortlet_action0 🛡 C	8 - Google	م	☆	ê 4		≡
	dministration Console 12c									Q
Change Center	A Home Log Out Preference	s 🔤 Record Help	٩			Welcome, ad	min C	Connected to	: AlphaC)omain
View changes and restarts	Home > AlphaDomain > Summar	y of JMS Servers								
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JMS Server Back Next Finish	Cancel								
Domain Structure	JMS Server Properties									
AlphaDomain	The following properties will be * Indicates required fields	e used to identify your ne	w JMS Server.							
Coherence ClustersMachinesVirtual HostsWork ManagersStartup and Shutdown Classes	What would you like to name yo 쇼늘 * Name:	FCUBSJMSServer	er							
Deployments Services Messaging	Specify persistent store for the Persistent Store:	new JMS Server.	e	Create a New Store						
How do I	Back Next Finish	Cancel								
Configure JMS system modules										
Configure custom persistent stores										
System Status										
Health of Running Servers										
Failed (0)										
Critical (0)										
Overloaded (0) Warning (0)										
OK (2)										
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21. Select the target as SOA Server \rightarrow Finish



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(10.184.135.218:7001/console/console.	2.portal?JmsServerCreateJMSServerPortlet_actionOverride=/com/bea/console/actions/jms/server/createj 🛡 C 🔯 - Google 🖉 🏠 🏚		≡
	Idministration Console 12c		Q
Change Center	🟦 Home Log Out Preferences 🐼 Record Help	cted to: Alpha	Domain
View changes and restarts	Home >AlphaDomain >Summary of JMS Servers		
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Back Next Fnish Cancel		
Domain Structure	Select targets		
AlphaDomain	Select the server instance or migratable target on which you would like to deploy this JMS Server.		
Dusters Coherence Clusters Machines Wrtual Hosts Work Managers Startup and Shutdown Classes	Target: SOAServer Back Next Finish Cancel		
DeploymentsServicesMessagingMS ServersShore-and-Encound Agents *			
How do I			
Configure JMS system modules Configure custom persistent stores			
System Status			
Health of Running Servers			
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)			
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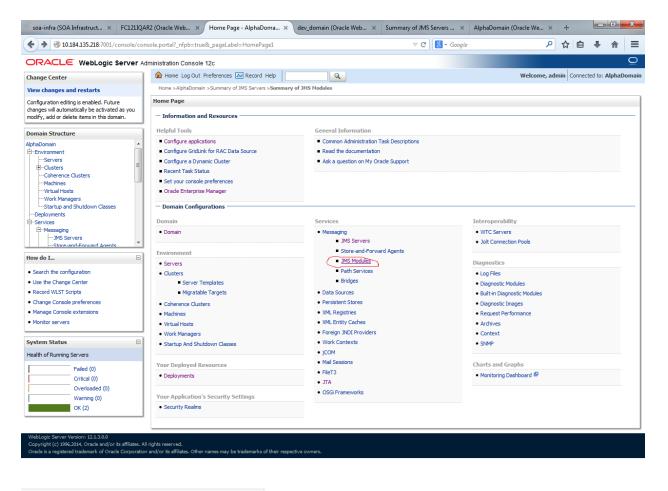


hange Center		Out Preferences 🔤 Record Help	Q			Welcome, admin Con	nected to: AlphaDe
iew changes and restarts		main >Summary of JMS Servers					
onfiguration editing is enabled. Future langes will automatically be activated as you odify, add or delete items in this domain.		have been activated. No restarts are r created successfully	necessary.				
omain Structure	Summary of JM	15 Servers					
Servers Coherence ClustersMachinesWachinesWork ManagersStartura and Shutdown Classes	This page sum Customize th	marizes the JMS servers that have bee	ueues and topics in JMS modules that ar	-			
Deployments Services Messaging	JMS Servers	(Filtered - More Columns Exist)				Showing 1 to 9	of 9 Previous Ne
	📄 Name 🔗	\$	Persistent Store		Target	Current Target	Health
w do I	BamAlert	EngineJmsServ Sort table by Name	BamAlertEngineJmsFileSt	ore	BAMServer	BAMServer	
Configure JMS servers	BamCQSe	erviceJmsServer_BAMServer	BamCQServiceJmsFileSto	re_BAMServer	BAMServer	BAMServer	
Configure JMS system modules	BamRepo	ortCacheJmsServer	BamReportCacheJmsFileS	Store	BAMServer	BAMServer	
	BamServe	erJmsServer_BAMServer	BamServerJmsFileStore_	BAMServer	BAMServer	BAMServer	
anniger a strategy manager	BPMJMSS	erver	BPMJMSFileStore		SOAServer	SOAServer	🖋 ОК
stem Status	FCUBSJM	ISServer	SOAJMSFileStore		SOAServer	SOAServer	✓ ок
stem Status 🗆		lonuor	SOAJMSFileStore		SOAServer	SOAServer	🖋 ОК
	SOAJMSS	i vei			BAMServer	BAMServer	
stem Status		Server_auto_1	UMSJMSFileStore_auto_1				
stem Status Status Servers Failed (0)			UMSJMSFileStore_auto_1 UMSJMSFileStore_auto_2		SOAServer	SOAServer	🖋 ОК



4. Go back to Console →JMS Modules→New









	Iministration Console 12c	
ange Center		admin Connected to: AlphaDo
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	
main Structure EnvironmentServers BClusters	JMS system resources are configured and stored as modules similar to standard JZEE modules. Such resources include queues, topics, connection factories, templates, distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system mod This page summarizes the JMS system modules that have been created for this domain.	
CustersCoherence ClustersMachinesVirtual HostsWork Managers	Customize this table JMS Modules	
Startup and Shutdown Classes Deployments	New Delete Sho	owing 1 to 8 of 8 Previous Nex
Services	Name 🗞	Туре
JMS Servers	BamAlertEngineJmsSystemModule	System
Store-and-Forward Agents	BamCQServiceJmsSystemResource_BAMServer	System
	BamReportCacheJmsSystemModule	System
v do I 🖃	BamServerJmsSystemResource	System
Configure JMS system modules	BPMJMSModule	System
Configure resources for JMS system modules	SOAJMSModule	System
tem Status 🖂	UMSAQJMSSystemResource	System
alth of Running Servers	UMSJMSSystemResource	System
Failed (0) Critical (0)	New Delete Sho	owing 1 to 8 of 8 Previous Nex
Overloaded (0) Warning (0)		
OK (2)		

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5. Create a JMS Module with the below Name→Next→Select the target as SOA Server→Finish



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() 10.184.135.218:7001/console/console.pd	ortal?CreateJMSSystemModulePortletreturn	Fo=JmsMc	odulesTablePage&J	ImsModulesTabl	ePortlethanı 🛡 C	8 - Google		م	☆	Ê	₽ ♠	≡
	ninistration Console 12c											õ
Change Center	🚹 Home Log Out Preferences 🔤 Record	Help	0	2				Welcome, ad	min	Connected	to: Alpha	Domain
View changes and restarts	Home >AlphaDomain >Summary of JMS Serve	rs >Summar	ry of JMS Modules									
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create JMS System Module Back Next Finish Cancel											
Domain Structure	The following properties will be used	to identify	your new module	2.								
AlphaDomain AlphaDomain D-Environment Servers D-Clusters Coherence Clusters MachinesWachinesWatual Hosts	JMS system resources are configured and s distributed queues, distributed topics, forei * Indicates required fields	gn servers,										s.
Work Managers Startup and Shutdown Classes	What would you like to name your System M	dule?										
Deployments Services	* Name:	FCUBS	JMSModule									
☐-Messaging →JMS Servers →Store-and-Forward Δρepts	What would you like to name the descriptor	ile name? If	you do not provide a	a name, a default	will be assigned.							
How do I 🖃												
Configure JMS system modules	Where would like to place the descriptor for	his System	Module, relative to t	he jms configuratio	n sub-directory of yo	our domain?						
Configure JMS servers	Location In Domain:											
System Status Health of Running Servers	Back Next Finish Cancel											
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)												
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() 10.184.135.218:7001/console/console.p	ortal?CreateJMSSystemModulePortlet_actionOverride=/com/bea/console/actions/jms/modules/syste 🛡 🧭 🚺 🕻 🛪 Google	☆ 🛍	•	⋒	≡
	ministration Console 12c				õ
Change Center	The Home Log Out Preferences 🔤 Record Help 🔍 🔍 Welcome, adm	in Conn	nected to:	AlphaD	omain
View changes and restarts	Home > AlphaDomain > Summary of JMS Servers > Summary of JMS Modules				
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create JMS System Module Back Next Finish Cancel				
Domain Structure	The following properties will be used to target your new JMS system module.				
AlphaDomain ▲ Environment Generation → Servers B-Clusters =	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.				
Coherence Clusters Machines Virtual Hosts Work Managers	Targets :				
Startup and Shutdown Classes	Servers AdminServer				
Messaging JMS Servers Store-and-Forward Agents	BAMServer				
How do I 😑	V SOAServer				
Configure JMS system modules Configure JMS servers	Back Next Finish Cancel				
System Status					_
Health of Running Servers					
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)					
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I0.184.135.218:7001/console/console	e.portal?_nfpb=true&_pageLabel=JMSSys	temModuleConfigGen	eralPage&JMSSystemModuleConfigGen	⊽ C ^e 8 → Google	م	☆ 自		Ξ
	Administration Console 12c							Q
Change Center	🔒 Home Log Out Preferences 🔤 R	ecord Help	Q		Welcome, ad	Imin Conne	ted to: Alpha	Doma
View changes and restarts Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Home >AlphaDomain >Summary of JMS Messages	lo restarts are necessary						
Domain Structure	Settings for FCUBSJMSModule							
AlphaDomain AlphaDomain Clusters Environment Servers E-Custers E-CustersWork NonsgersWachinesWork NonsgersStartup and Shutdown ClassesDeploymentsDeploym	Name: Descriptor File Name: This page summarizes the JMS resour destination quota, distributed destina	n about a JMS system mo FCUBS jms/fc ces that have been creat	lotes dule and its resources. It also allows you to SJMSModule ubsimsmodule-jms.xml ubsimsmodule-jms.xml ad for this JMS system module, including quart ad store-and-forward parameters.	The name of this JM: The name of the JM:	S system module. More I	4ore Info	ı sort keys,	
How do I No task help found.	Customize this table							
System Status 🖂	New Delete				Sho	ving 0 to 0 of	0 Previous 1	Vext
Health of Running Servers	🔲 Name 🗇	Туре	JNDI Name	Subdeployment		Targets		
Failed (0)			There are no items t	o display				
Сritical (0) Очегоаded (0) Warning (0) ОК (2) WebLogic Server Version; 12.1.3.0.0	New Delete				Shor	ving 0 to 0 of	0 Previous f	Vext
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1. Go back to JMS Modules→FCUBSJMSModule→New



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	ministration Console 120	5									õ
Change Center	🔒 Home Log Out Pref	erences 🔤 Record	Help	٩			Welcome, a	dmin	Connected f	to: Alpha	Domain
View changes and restarts	Home >AlphaDomain >S Modules >FCUBSJMSMc		>Summary of .	IMS Modules >FCU	SJMSModule >Summary of J	IMS Modules >FCUBSJMSMo	dule >Summary of JMS Modules >FC	UBSJMSN	Iodule >Sur	mmary of JI	MS
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for FCUBSJM9	5Module									
modify, add or delete items in this domain.	Configuration Subd	leployments Target	s Security	Notes							
Domain Structure											
AlphaDomain	This page displays gen	eral information about	a JMS system	module and its res	urces. It also allows you to	o configure new resources a	and access existing resources.				
Servers Clusters Coherence Clusters	Name:		FO	JBSJMSModule		The name	of this JMS system module. More	Info			
Machines Virtual Hosts	Descriptor File Name	5	jms	/fcubsjmsmodule-j	ns.xml	The name	of the JMS module descriptor file.	More In	io		
Work Managers Strub, and Shutdown Classes Deployments Deployments Bervices Bervices	This page summarizes destination quota, dist Customize this tabl	ributed destinations, f				ueue and topic destinations	, connection factories, JMS templa	tes, desti	nation sort	t keys,	
How do I	Summary of Resour	ces									
No task help found.	New Delete						Sh	owing 0 t	o0of0 Pr	revious N	lext
	🔲 Name 🐟	Тур	e	JNDI Name		Subdeployment		Targe	ts		
System Status					There are no items	to display					
Health of Running Servers	New Delete						Sh	owing 0 t	o0of0 Pr	revious N	lext
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)											
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2. Click on Connection Factory → next→Create the connection Factory with the below Names→Next



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ACLE WebLogic Server A					
e Center	🟠 Home Log Out Preferences 📐 Record Help	Q	Welcome, admi	n Connected to: A	lphaDo
hanges and restarts	Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modules >F JMS Modules >FCUBSJMSModule	CUBSJMSModule >Summary of JMS Modules >	>FCUBSJMSModule >Summary of JMS Modules >FCU	BSJMSModule >Sum	mary of
ration editing is enabled. Future s will automatically be activated as you	Create a New JMS System Module Resource				
add or delete items in this domain.	Back Next Finish Cancel				
n Structure	Back Next Finish Cancel				
main	Choose the type of resource you want to create.				
ronment Servers					
Clusters	Use these pages to create resources in a JMS system module, such as que				
Coherence Clusters	Depending on the type of resource you select, you are prompted to enter factories, distributed queues and topics, foreign servers, and JMS SAF der				
Machines Virtual Hosts	targetable resources with subdeployments, which is an advanced mechani				~
Work Managers Startup and Shutdown Classes					
loyments	Connection Factory		Defines a set of connection configuration parame create connections for JMS clients. More Info		to
rices			create connections for Jims clients. More Info		
Messaging JMS Servers	© Queue		Defines a point-to-point destination type, which a		
Store-and-Forward Agents			peer communications. A message delivered to a c one consumer. More Info	ueue is distributed t	to only
) I 🖃					
gure quotas for destinations	Topic		Defines a publish/subscribe destination type, whi asynchronous peer communications. A message of		i
igure JMS templates			distributed to all topic consumers. More Info	leivereu to a topic i	5
igure destination keys					
gure topics	Distributed Queue		Defines a set of queues that are distributed on m which are accessible as a single, logical queue to		
gure queues					
igure connection factories igure uniform distributed topics	Distributed Topic		Defines a set of topics that are distributed on mu which are accessible as a single, logical topic to J		
igure uniform distributed topics			which are accessible as a single, logical topic to u	ns clients. More In	110
igure foreign servers	Foreign Server		Defines foreign messaging providers or remote W		ances
igure JMS SAF			that are not part of the current domain. More I	nfo	
	© Quota		Controls the allotment of system resources availa	ble to destinations.	More
n Status 🖂			Info		
of Running Servers	Destination Sort Key		Defines a unique sort order that destinations can	apply to arriving	
Failed (0)			messages. More Info		
Critical (0)	⑦ JMS Template		Defines a set of default configuration settings for	multiple destination	ne Ma
Overloaded (0)	U STIS CEMPROC		Info	manapre des and duor	
Warning (0) OK (2)				1 (2 1 2 1 2 2 2 2	
UK (2)	SAF Imported Destinations		Defines a collection of imported store-and-forwar SAF destination is a representation of a queue or		
			instance or cluster that is imported into the local	duster or server inst	tance,
			so that the local server instance or cluster can se server instance or cluster. More Info	nd messages to the	: remote
	Remote SAF Context		Defines the URL of the remote server instance or	cluster where a JM	S



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View changes and restarts	Home >AlphaDomain >Summary of JMS Servers > Modules >FCUBSJMSModule	Summary of JMS Modules >FCUBSJMSModule >Summ	ary of JMS Modules >FCUBSJMSMod	lule >Summary of JMS Modules >FCUE	SJMSModule	>Summary of	JMS
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JMS System Module Resource Back Next Finish Cancel	2					
Domain Structure	Connection Factory Properties						
-Environment -Servers -Clusters -Coherence Clusters	The following properties will be used to identify * Indicates required fields	your new connection factory. The current module i	s FCUBSJMSModule.				
Virtual Hosts	What would you like to name your new connection	on factory?					
Work Managers Startup and Shutdown Classes Deployments	* Name:	UBSConnectionfactory					
⊟-Services	What JNDI Name would you like to use to look up	your new connection factory?					
	JNDI Name:	jndi/FCUBSConnectionfactory					
How do I 🗉	The Connection Factory Subscription Sharing Pol	icy Subscribers can be used to control which subscr	ibers can access new subscriptions	. Should subscriptions created using	this factory b	e sharable?	
Configure quotas for destinations Configure JMS templates	Subscription Sharing Policy:	Exclusive -					
Configure destination keys Configure topics		one JMS connection can use the same Client ID. Or icies are always treated as independent subscriptio			lurable subsc	ribers.	
Configure queues Configure connection factories	Client ID Policy:	Restricted •					
Configure uniform distributed topics Configure uniform distributed queues	A connection factory can limit the number of mes	sages that can queued for an asynchronous sessio	n. Should this connection factory in	npose a limit?			
Configure foreign servers Configure JMS SAF	Maximum Messages per Session:	10					
System Status	Should this connection factory create sessions the	at are JTA aware, and create XA queues and XA to	opics?				
Health of Running Servers	XA Connection Factory Enabled						
Failed (0) Critical (0)	Back Next Finish Cancel						
Overloaded (0) Warning (0) OK (2)							
WebLogic Server Version: 12:1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. All r Oracle is a registered trademark of Oracle Corporation a		heir respective owners.					
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3. Select Advanced targeting→create New Sub Deployment with the below Name→Select the target as JMS server which we have created on top→Finish



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Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JMS System Module Resource Back Next Finish Advanced Targeting Cancel
Domain Structure	
AphaDomain	The following properties will be used to target your new JMS system module resource 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 click Advanced Targeting to use the subdeployment mechanism for targeting this resource. 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.
Startup and Shutdown Classes Deployments Services Messaging Messaging Store-and-Enroward Agents	Targets : Servers Ø SOAServer
How do I 🖂	
Configure quotas for destinations Configure UMS templates Configure destination keys Configure optics Configure optics Configure optics Configure optication factories Configure uniform distributed topics Configure uniform distributed queues Configure optications Configure IMS SAF System Status Failed (0)	Back Next Finish Advanced Targeting Cancel
Critical (0) Overloaded (0) Warning (0) OK (2) WebLogic Server Version: 12.1.3.0.0 Copyright (c) 19%.2014, Oracle and/or its affiliates. Al	l nghts reserved. nardfor its affliates. Other names may be trademarks of their respective owners.



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View changes and restarts	Home >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >FCUBSConnectionfactory >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >placeholder	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JMS System Module Resource Back Next Finish Cancel	
Domain Structure		
AlphaDomain Definitionment -Servers Definition -Whathines -Whathines -Whathines -Whork Managers -Startup and Shutdown Classes -Deployments	The following properties will be used to target your new JMS system module resource Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, duster, or SAF agent. If necessary, you can create a new subdeployment by dicking the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment management page.	
	Select the subdeployment you want to use. If you select (none), no targeting will occur. Subdeployments: (none) Create a New Subdeployment/	
-Services Messaging JMS Servers Store-and-Forward Agents	What targets do you want to assign to this subdeployment? Targets :	
How do I 😑		
Configure quotas for destinations Configure JMS templates Configure destination keys	Back Next Frieh. Cancel	
Configure topics Configure queues		
Configure connection factories		
Configure uniform distributed topics Configure uniform distributed queues		
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Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Subdeployment						
Domain Structure AlphaDomain ⊖ Environment IServers ⊕-Clusters ⊡-Observers ⊕-Clusters Machines Wirbal Hosts Work Managers Startup and Shutdown Classes	Subdeployment Properties The following properties will be used to identify your n Subdeployment Name: OK Cancel	ew subdeployment.					
←Deployments ⊖-Services ⊖ Messaging ←JMS Servers →Store-and-Enrward Acents ▼							
How do I 🗉							
Configure quotas for destinations Configure JMS templates Configure destination keys Configure topics Configure explose Configure explose Configure explose Configure uniform distributed topics Configure uniform distributed queues Configure MS SAF							
System Status Health of Running Servers							
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (2)							
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View changes and restarts	Home > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > FCUBSConnectionfactory > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS
Pending changes exist. They must be activated to take effect. You may activate them now. Otherwise, they will be automatically activated when you next modify, add or delete items in this domain.	Create a New JMS System Module Resource Back Next Finish Cancel
Activate Changes Undo All Changes	The following properties will be used to target your new JMS system module resource Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, duster, or
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 parent module's subdeployment management page.
-EnvironmentServers -Clusters	Select the subdeployment you want to use. If you select (none), no targeting will occur. Subdeployments: FCUBS Create a New Subdeployment
Coherence ClustersMachinesVirtual HostsWork Managers	What targets do you want to assign to this subdeployment?
Startup and Shutdown Classes Deployments Services	Targets :
	Servers SoAServer
How do I	
Configure guotas for destinations	JHS Servers
Configure JMS templates Configure destination keys	BPHJMSServer
Configure topics	✓ FCUBSJMSServer
Configure queues Configure connection factories	S0AJMSServer
Configure uniform distributed topics Configure uniform distributed queues	UH5JM5Server_auto_2
Configure foreign servers Configure JMS SAF	Back Next Finish Cancel
System Status 🗉	
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Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Messages All changes have bee Connection factory of			ssary.									
Domain Structure	Settings for FCUBSJMS	Module											
E-Environment	Configuration Subde	ployments Targ	ets Security	Notes									
H-Clusters Coherence Clusters Machines Wrbuil Hosts Work Managers Startup and Shutdown Classes	This page displays gene	ral information abo		m module and		It also allows you to configur		nd access existing resources		ō			
→Deployments →Services →MS Servers →Store-and-Ensured Agents *	Descriptor File Name: This page summarizes ti destination quota, distri	ne JMS resources ti	at have been	created for th				f the JMS module descriptor connection factories, JMS to				keys,	
No task help found.	Customize this table												
	Summary of Resource	es											_
System Status	New Delete								Showi	ng 1 ta	o 1 of 1 Pr	evious Ne	ext
Health of Running Servers Failed (0)	🔲 Name 🗇		Туре		1	NDI Name		Subdeployment		Targ	jets		
Critical (0)	FCUBSConnection	factory	Connec	tion Factory	jr	ndi/FCUBSConnectionfactory	1	FCUBS		FCUB	SJMSServe	r	
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Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.		ave been activated.		are neces	sary.										
Domain Structure	Settings for FCUI	RC1MCModule													_
AlphaDomain	-	Subdeployments	Targets	Security	Notes										
	This page displa	ys general informati	on about a .	JMS system	n module ar	nd its resource	es. It also allows you	I to configure new res	sources and	access existing reso	urces.				
Work Managers Startup and Shutdown Classes	Name:			FC	CUBSJMSM	odule		Th	e name of	this JMS system modu	ile. More Ir	ıfo			
-Deployments -Services -Messaging -JMS Servers -Store-and-Forward Agents -Store-and-Forward -Store		arizes the JMS resou		ave been o	reated for		em module, including	The queue and topic dest		the JMS module descr				ort keys,	
How do I	destination quot	ta, distributed destir	hations, fore	sign servers	s, and stor	e-and-forward	d parameters.								
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System Status	New Delet										Char			Previous	- North
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Overloaded (0) Warning (0) OK (2)	New Dele	te									Shov	ing 1 t	10 1 of 1	Previous	Next
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4. Go back to console \rightarrow Click on JMS Modules \rightarrow New \rightarrow check on Queue \rightarrow next



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Servers	Use these pages to create resources in a JMS system module, such as queues, topics, templates, and connection fa Depending on the type of resource you select, you are prompted to enter basic information for creating the resourc factories, distributed queues and topics, foreign servers, and JMS SAF destinations, you can also proceed to target targetable resources with subdeployments, which is an advanced mechanism for grouping JMS module resources an	e. For targetable resources, like stand-alone queues and topics, connection ing pages for selecting appropriate server targets. You can also associate
LStartup and Shutdown Classes Deployments E-Services	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info
How do I	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
Configure quotas for destinations Configure JMS templates Configure destination keys	🔘 Торіс	Defines a publish/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info
Configure desination keys Configure topics Configure 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
Configure connection factories Configure uniform distributed topics	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. More Info
Configure uniform distributed queues Configure foreign servers Configure JMS SAF	Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info
System Status	🔘 Quota	Controls the allotment of system resources available to destinations. More Info
Health of Running Servers Failed (0)	Destination Sort Key	Defines a unique sort order that destinations can apply to arriving messages. More Info
Critical (0) Overloaded (0) Warning (0)	JMS Template	Defines a set of default configuration settings for multiple destinations. More Info
ок (2)	SAF Imported Destinations	Defines a collection of imported store-and-forward (SAF) destinations. A SAF destination is a representation of a queue or topic in a remote server instance or duster that is imported into the local duster or server instance, so that the local server instance or duster can send messages to the remote server instance or duster. More Info
	◎ Remote SAF Context	Defines the URL of the remote server instance or cluster where a JMS destination is exported from. It also contains the security credentials to be authenticated and authorized in the remote cluster or server. More Info
	SAF Error Handling	Defines the action to take when the SAF service fails to forward messages to remote destinations. More Info
	Back Next Finish Cancel	
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 Create Queue with Name NOTIFY_DEST_QUEUE and JNDI name as jms/NOTIFY_DEST_QUEUE→select the sub deployment which we have created earlier →Next→Finsish



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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 Syste Back Next Finisi	m Module Resource										
Domain Structure												
AlphaDomain	JMS Destination Prop The following properties v	erties vill be used to identify your n	ew Queue. The current mo	dule is FCUBSJMSMo	odule.							
Clusters Coherence Clusters Machines	* Indicates required fields											
Virtual Hosts Work Managers Startup and Shutdown Classes Deployments	* Name:	NOTIFY_DEST_QU	EL									
-Services	JNDI Name:	jms/NOTIFY_DEST	_QUEUE									
JMS Servers	Template:	None 💌										
How do I 🖂	Back Next Finish	n Cancel										
Configure quotas for destinations												
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Configuration editing is enabled. Future	Create a New JMS System Module Resource							
changes will automatically be activated as you modify, add or delete items in this domain.								
Domain Structure	Back Next Finish Cancel							
AlphaDomain	The following properties will be used to target your new JMS system module	resource						
Environment Servers Observers Coherence Clusters Machines	Use this page to select a subdeployment to assign this system module resource. A subdepl SAF agent. If necessary, you can create a new subdeployment by clicking the Create a N module's subdeployment management page.							
Virtual Hosts Work Managers Startup and Shutdown Classes	Select the subdeployment you want to use. If you select (none), no targeting will occur.							
Deployments	Subdeployments: FCUBS Create a New Subdeploy	ment						
-Services -Messaging	What targets do you want to assign to this subdeployment?							
JMS Servers								
How do I	Targets :							
Configure quotas for destinations	JMS Servers							
Configure JMS templates Configure destination keys	BPMJMSServer							
Configure destination keys Configure topics								
Configure queues	FCUBSJMSServer							
Configure connection factories Configure uniform distributed topics	SOAJMSServer							
Configure uniform distributed queues Configure foreign servers	O UM5JM5Server_auto_2							
Configure JMS SAF	Back Next Finish Cancel							
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ges will automatically be activated as you fy, add or delete items in this domain.	All changes have been activated.	No restarts are necessary.			
	The JMS Queue was created succe				
ain Structure	Settings for FCUBSJMSModule				
Domain A nvironment	_				
Servers	Configuration Subdeployments	Targets Security Notes			
Clusters =					
Machines	This page displays general information	n about a JMS system module and its re	esources. It also allows you to configure new reso	urces and access existing resources.	
Virtual Hosts Work Managers					
Startup and Shutdown Classes	Name:	FCUBSJMSModule	The	name of this JMS system module.	fore Info
eployments ervices	Descriptor File Name:	jms/fcubsjmsmodule	-jms.xml The	name of the JMS module descriptor f	ile. More Info
-Messaging					
JMS Servers			S system module, including queue and topic destin	nations, connection factories, JMS ter	mplates, destination sort keys,
v do I	destination quota, distributed destina	ations, foreign servers, and store-and-f	forward parameters.		
No task help found.	Customize this table				
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11. Please create the **MDB_QUEUE_RESPONSE**, **eis/jms/ORGateway**, **FAULT_QUEUE_RESPONSE** Queues as above in console with in **FCUBSJMSModule**.(Follow step 9-10 in 1.2.7)

12. Go to Console→Deployment→JMS Adapter →Configuration→outbound connection pool→New→ next→Finish



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	OMS Application (12.1.3.0.0)	Active	🖋 ок	Web Application	AdminServer, BAMServer, SOAServer	5
	E Bem	Active	🖋 ок	Enterprise Application	AdminServer	400
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	😺 FileAdapter	Active	🖋 ок	Resource Adapter	SOAServer	321
	🗄 📑 frevvo	Active	🖋 ок	Enterprise Application	SOAServer	100
	<mark>⊘</mark> FtpAdapter	Active	🖋 ок	Resource Adapter	SOAServer	325
	E GWWebServices (12.1.0.0.0)	Active	🖋 ок	Enterprise Application	SOAServer	600
		Installed		Resource Adapter		333
	₩ ImsAdapter	Active	🖋 ок	Resource Adapter	SOAServer	323
	SLdapAdapt JmsAdapter, Level 1, 19 of 46	Installed		Resource Adapter		332
		Active	🖋 ок	Resource Adapter	SOAServer	327
		Installed		Resource Adapter		334
		Active	🖋 ок	Enterprise Application	SOAServer	100
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		Installed		Resource Adapter		329
	⊞OradeBPMBACServerApp	Active	🖋 ок	Enterprise Application	SOAServer	384
	T COradeBPMComposerRolesApp	Active	🖋 ок	Enterprise Application	SOAServer	382
	E COradeBPMProcessRolesApp	Active	🖋 ок	Enterprise Application	SOAServer	381
		Active	🖋 ок	Enterprise Application	SOAServer	383
	SAPAdapter	Installed		Resource Adapter		335
	E SimpleApprovalTaskFlow	Active	🖋 ок	Enterprise Application	SOAServer	386
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omain Structure	General	Properties 0	utbound Connection	n Pools	Admin Objects	Workload	Instru	mentation								
pheDomain ▲ = Environment = Servers = Clusters = → Clusters = - Machines - Wrtual Hosts	listed by Connection	connection factor on Pool group. Cli	of Outbound Connection y interface and the ins ck the name of a group tool Configuration T	tances ar	e listed by their	JNDI names.	Expand a	group to ob	otain confi	guration infor	mation for a Conn	ection Pool instan				e
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Domain Structure	Outbound Connection Group				
AlphaDomain	In which outbound connection group do you want to create an instance? Outbound Connection Groups				
-Clusters -Coherence Clusters		Showi	ng 1 to 1 of	1 Previous	Next
Machines	Outbound Connection Group 🗞				
Virtual Hosts Work Managers	oracle.tip.adapter.jms.IJmsConnectionFactory				
Startup and Shutdown Classes		Showi	ng 1 to 1 of	1 Previous	Next
	Back Nex Finish Cancel				
How do I					
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Domain Structure	JNDI name for Outbound Connection Instance
AlphaDomain -Environment -Servers -Clusters	Enter the JNDI name that you want to use to obtain the new connection instance * Indicates required fields
Coherence Clusters	The Outbound Connection instance represents a connection pool. The JNDI name can be used to obtain the pool at runtime.
Virtual Hosts Virtual Hosts Virtual Hosts Virtual Hosts Sertup and Shutdown Classes Deployments -Services Services	del * JNDI Name: eis/Queue/Notif Back Next Finish Cancel
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+)-Clusters	listed by connection factory interface and the instances are listed by their JNDI names. Ex Connection Pool group. Click the name of a group or instance to configure it. Automatically	pand a group to obtain configuration information for a Connection Pool instance within an Outbound generated Connection Pools are not displayed in the table below.
Machines	Outbound Connection Pool Configuration Table	
Work Managers		
Startup and Shutdown Classes eployments	New Delete	Showing 1 to 1 of 1 Previous Next
ervices =-Messaging	🗐 Groups and Instances 🗞	Connection Factory Interface
JMS Servers	□ oracle.tip.adapter.jms.IJmsConnectionFactory	oracle.tip.adapter.jms.IJmsConnectionFactory
do I	eis/activemq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
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nfigure outbound connection pool perties	eis/aqjms/EDNLocalTxTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
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m Status 🖂	eis/aqjms/EDNxaTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
of Running Servers	eis/aqjms/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
Failed (0)	eis/aqjms/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
Critical (0)	eis/fioranomq/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
Overloaded (0)	eis/jbossmq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
Warning (0)	eis/jms/aiaB2BQueueCF	oracle.tip.adapter.jms.IJmsConnectionFactory
OK (2)	eis/jms/aiaErrorTopicCF	orade.tip.adapter.jms.IJmsConnectionFactory
	eis/pramati/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
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	eis/tibjmsDirect/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/webspheremq/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/ws/EDNLocalTxDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/wis/EDNLocalTxTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/ws/EDNxaDurableTopic	oracle.tip.adapter.jms.IJmsConnectionFactory
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6. Click on the Outbound connection pool with **eis/Queue/Notif** and enter the connection factory location as **jndi/FCUBSConnectionfactory**→ press Enter and Save



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modify, add or delete items in this domain.	General Properties Transaction Authent	cation Connection Pool Logging		
Domain Structure AlphaDomain	This page allows you to view and modify the confi Outbound Connection Properties Save	guration properties of this outbound co	nnection pool. Properties you modify here are se	wed to a deployment plan. Showing 1 to 7 of 7 Previous Next
Virtual Hosts	Property Name 🗞	Property Type	Property Value	Supports Dynamic Updates
Startup and Shutdown Classes	AcknowledgeMode	java.lang.String	AUTO_ACKNOWLEDGE	false
Deployments EServices	ConnectionFactoryLocation	java.lang.String	jndi/FCUBSConner	false
-MessagingJMS Servers	FactoryProperties	java.lang.String		false
Store-and-Enrward Agents	IsTopic	java.lang.Boolean	false	false
How do I 😑	IsTransacted	java.lang.Boolean	false	false
Configure outbound connection pool	Password	java.lang.String		false
properties	Username	java.lang.String		false
System Status Health of Running Servers	Save			Showing 1 to 7 of 7 Previous Next
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Wartual Hosts Virtual Hosts Work Managers				y the configuration	on properties of this (tbound connection pool. P	roperties you modify here	are saved to a deployment plan				
Virtual HostsWork Managers		nd Connection		y the configuratio	on properties of this o	tbound connection pool. P	roperties you modify here	are saved to a deployment plan	Showing 1	to 7 of 7	Previous	Next
Virtual Hosts Work Managers Startup and Shutdown Classes Deployments Services	Outbou	nd Connection			on properties of this (perty Type	tbound connection pool. P		are saved to a deployment plan	Showing 1	to 7 of 7	Previous	Next
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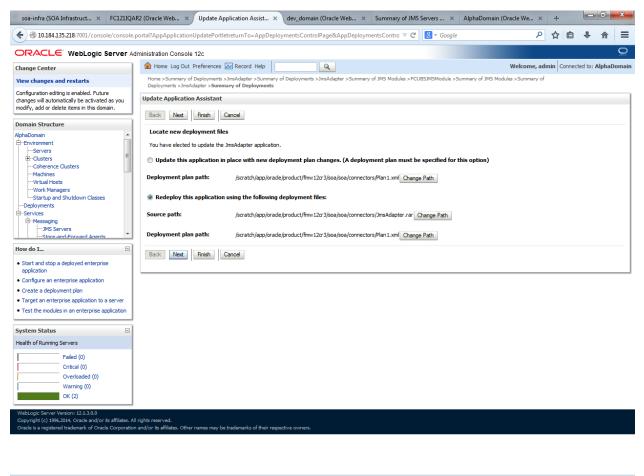
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15. Go to console →Deployments→JMS adapter→Update→Next→ Next →finish



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stall a Web application	E	E BPMComposer	Active	🖋 ок	Enterprise	SOAServer	385	
em Status 🛛		Goberence-transaction-rar	Active	🖋 ок	Resource Adapter	AdminServer, BAMServer, SOAServer	100	
h of Running Servers Failed (0)		CoherenceAdapter	Installed		Resource Adapter	Sonder Ver	331	
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Warning (0) OK (2)	E	E DefaultToDoTaskFlow	Active	🖋 ок	Enterprise	SOAServer	314	
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		E mem	Active	🖋 ок	Enterprise Application	AdminServer	400	
			Active	A Warning	Enterprise	SOAServer	600	
	E	FileAdapter	Active	🖋 ок	Resource Adapter	SOAServer	321	
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Start and stop a deployed enterprise application]	ui				Prepare		Application	o on loci rei		
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16. 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

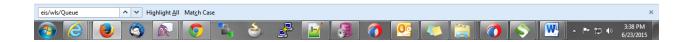


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2)Click finish and save.

1.2.8 BIP Interactive reports configuration

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



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

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



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



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

or

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



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- 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,
 - o Select the application stripe as obi, principal type as "Application Role"
 - \circ 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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		BIAdministrator	BI Administrator Role			
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		BIConsumer	BI Consumer Role			
		BIReportViewer	FCUBS Consumer Role			
		ALLROLES authenticated-role	ALLROLES Authenticated Role	ALLROLES		
		anonymous-role	Anonymous Role			
		unonymous 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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	Name ALIROLES	Display Name ALLROLES	Type Application	Description ALLROLES		
	Permissions Add 2 Edt & Delete Permission Class or acle.security.jps.ResourcePermission or acle.security.jps.ResourcePermission		orac	.runReportOnline .accessReportOutput	Resource Type oracle.bi.publisher.permission oracle.bi.publisher.permission	Permission Actions

- 9) After getting information message like "A security added successfully",
 - Login into the BIPublisher , http/s:<hostname>:<port>/xmlpserver
 - \circ 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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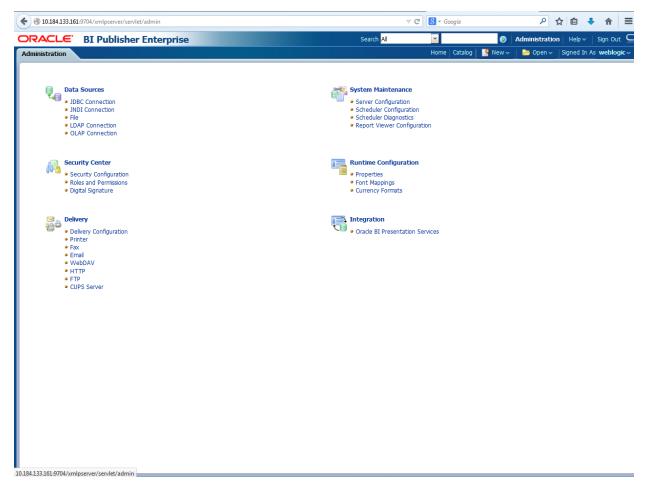


Now the reports in the folder will be accessed accordingly based on the roles.

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	¥	•	Administration	Help 🛩	Sign Out \subseteq
Administration		Home Catalog	🔮 New 🗸	📔 🗁 Open 🗸	Signed In As	weblogic ~
Administration > JDBC > Add Data Source						
Add Data Source						
					Apply	Cancel
General						
TIP Please make sure to install the required JDBC driver class	s.					
TIP With Oracle Fusion Middleware Security Model, select the	Use System User checkbox to use the BI System User for your BI Server Data	abase Connection.				
* Data Source Name	FCSOA					
* Driver Type	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					
Password Pre Process Function						
Post Process Function						
	Use Proxy Authentication					
	Test Connection					
Backup Data Source						
TIP To enable access to a backup data source, please check t	e Use Backup Data Source checkbox and enter the necessary connection info	ormation.				
	Use Backup Data Source					
Connection String						
Username						
Password						
	Test Connection					

16. Add the fcubs roles to allowed Roles under security

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Administration				Home Catalog 🥞 N	lew 🗸 📋 눧 Open 🗸	Signed In As weblogic
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	Connection String	Use Backup Data Source				
	Username					
	Password					
		Test Connection				
Security						
🔲 Allow Guest A	ACCESS	Available Roles EI Administrator Role EI Administrator Role EI System Role FCUBS Consumer Role	Alowed Roles			

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



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

1.2.9 BAM Report Configuration settings

- 1. Generate a deployment plan for BAM Composer Application.
- 2. Login in to console http://hostname:port/console
- 3. Click on Deployments → click on BAM Composer

Change Center	1	Ho	ome Log Out Preferences 🔤 Record Help			We	Icome, weblogic	connected to: dev_don				
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- Environment Deployment	To instal a new application or module for deployment to targets in this domain, click the Instal button.											
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Deploy EJB modules Install a Web application			⊞ _{E0} BPMComposer	Active	🛩 ок	Enterprise Application	soa_server1	385				
System Status 🛛 🖂			or coherence-transaction-rar	Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100				
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4. click on Configuration Configuration \rightarrow Save



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v_domain Environment Deployments	Save										
- Services - Security Realms - Interoperability	This page describes the configuration information that is currently defined in the deployment plan for the selected module or component.										
" Interoperability - Diagnostics	Session cool	kies max age	(in seconds):	-1				ex	pires on th	of the session cookie (in seconds) after which it e client. The value '-1' indicates that the cookie will ne client's browser shuts down. More Info	
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ade is a registered trademark of Oracle Corporation a		Other names mar	v be trademarks of their r	espective ow	ners.						

5. Click on Overview→check the deployment plan location

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	Save										
	Modules and Componen	ts									

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

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

<variable>

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



<value>never</value> </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>



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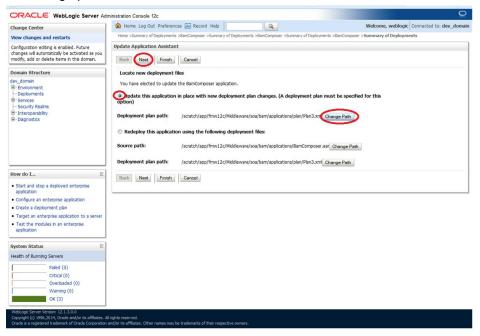
7. Stop the BAM composer application in console.

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

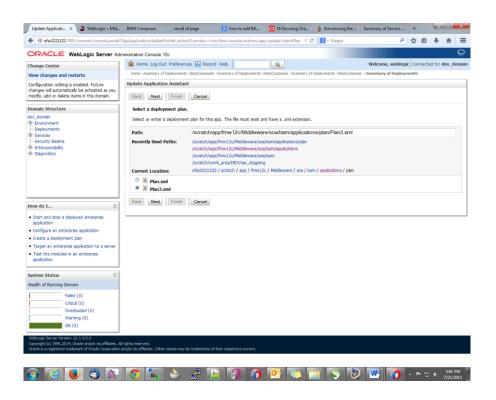
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10. select the Update this application in place with new deployment plan changes and click on change path button.



11. Select the latest plan.xml in the in the path → next → Finish





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12. Restart the BAM Composer application in the console

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Health of Running Servers	Composer Active Active Active Active Active Active Active Active	SOAServer	385									
Faled (0)		AdminServer, BAMServer, SOAServer	100									
Critical (0) Overloaded (0)	ScherenceAdapter		331									
Warning (1)												
OK (2)	Character Active CK Resource Adapter S	SOAServer	322									
	Enterprise Active CK Enterprise Application S	SOAServer	314									
		AdminServer, BAMServer, SOAServer	5									
	Enterprise Active Active Active Interprise	SOAServer	600									

13. Login in to em console http://hostname:port/em



14. Right Click on BAM Server→Security→Application Roles

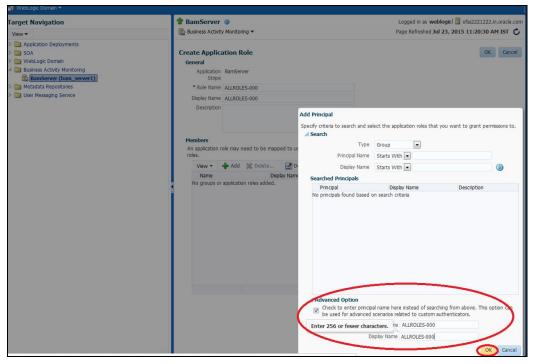
WebLogic Domain -	Fusion Middleware Contr	rol 12c				<u>22</u> v	veblogic 🔻 Ċ
Target Navigation		1 BamServer ()			Logged	in as weblogic 🗐 ofss22211	222.in.oracle.com
View 🔻		Business Activity Monitoring	g •		Page Refi	reshed Jul 23, 2015 11:17:3	31 AM IST 💍
Application Deployments SoA SoA WebLogic Domain Montoring Montoring Montoring Montoring Montoring User Messaging Service Montoring System M Target In	Appl IBean Browser	global polcy store when the application. Policy Store Provider Scope W Provider LD Location Jdl katon Policies ketword for unrefert from application of Role Name S	applications are registri ups in the WebLogic D ebLogic Domain AP ac/OpssDataSource role name to query role name. Starts With Create Like	ered. These are also ap; bomain, use the <u>Oracle (</u>	specific to the application. Th Jolcation roles that are created AvebLook: Server Security Pro- ation. Use application stripe to Description	in the context of end ['] users : i <u>ider</u> .	accessing the

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

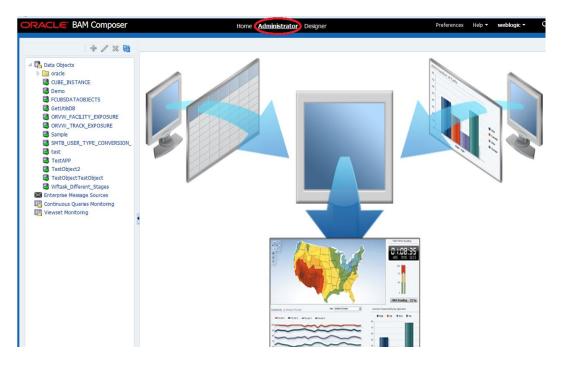
ORACLE Enterprise Manager Fusion Middleware Cont	rol 12c	👥 weblogic 🕶 🔘
📑 WebLogic Domain 🔻		
Target Navigation	Transferver (1)	Logged in as weblogic 🗍 ofss2221222.in.oracle.com
View 🕶	ቬ Business Activity Monitoring 🕶	Page Refreshed Jul 23, 2015 11:20:30 AM IST 💍
Vev v Application Deployments SoA SoA WebLogic Domain BamServer (bam_server1) Metadata Repositories User Messaging Service	Usuries Active Monoring	OK Cancel



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

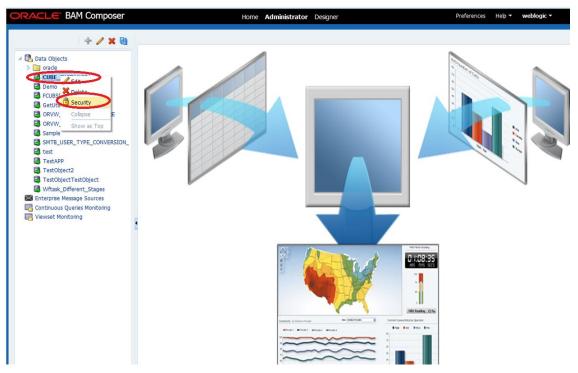


17. Login to BAM Composer → <u>http://hostname:port/bam/composer--</u>> Click on Administrator.





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



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

ORACLE BAM Composer		Ho	ome Admir	istrator Designer	Preferences	Help 🔻	weblogic *
+ / × @	GetUtilsDB (Security) >						(2)
	Full Name /data Owner Type USER Owner Name weblo					٦	ୟୁ Save
ORVW_FACILITY_EXPOSURE	1. Grant permission			Add Application Roles, Groups and Users			×
ORVW_TRACK_EXPOSURE Sample Sample Sample Sample Sample Sample Sample Sample Sample TestAPP TestADject2 TestADjectTestADject Witask_Different_Stages Enterprise Message Sources Continuous Queries Monitoring Viewset Monitoring	View - A Marchitect Marchitect				Selected Members		
	2. Deny Permission			OK Cancel			
	View - + X Role Name No data to display	Detach Read	Write			l	



20. Move the ALLROLES-000 to Selected members.

RACLE BAM Composer	Home Administrator Designer Prefe	erences Help -	weblogic 🔻
+ / × @	GetUtilsDB (Security) ×		3
Data Objects Oracle CUBE_INSTANCE Demo FCUBSDATAOBJECTS GetUtisDB	Commer Name /dataobject/GetUtaDB Owner Type USER Owner Name weblogic	(j)	ଲି <u>ହ</u> ି Sav
CetttisD8 Corvw_FACILITY_EXPOSURE Corvw_FACILITY_EXPOSURE Sorrole Sor	1. Grant permission Add Application Roles, Groups and Users Vew * * * * © Detach Name Role Name Read Witze Et & BRANCINENTCE W Witze & BRANContentCreator Add Application Role * Sege BankContentCreator Austable Members BBMContentViewer > BBMContentViewer >		×
	2. Dery Permission OK Cancel View ▼ ★ ★ Detach Role New Read Write Write		

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

	1							
-+ 🥒 🗙 🚱	GetUtilsDB (Security) ×							3
	Full Name /datao Owner Type USER Owner Name webloo	bject/GetUt <i>i</i> sDB gic					Œ) 🕀 Savi
ORVW_FACILITY_EXPOSURE ORVW_TRACK_EXPOSURE	1. Grant permission							
Sample	View 🔻 💠 💥	Detach		_				
SMTB_USER_TYPE_CONVERSION_	Kole Name	Read	Write	Remove	Select	Delete	Update	Security
😫 test		V			V		V	
TestAPP	👬 BAMArchitect	V						
TestObject2	BAMContentCreator	V						
CestObjectTestObject Wittask_Different_Stages Enterprise Message Sources Continuous Queries Monitoring Viewset Monitoring	없음 BAMContentViewer				V			
	2. Deny Permission View - 4 X	Detach	Write	Remove	Select	Delete	Update	Security
	No data to display	read		NUT NT	oudt.	out to	obeard	security



- 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

24. Click on FCUBS_BAM_report

ORACLE BAM Composer	Home Administrator Designer	Preferences Help - weblogic - C
FCUBS_BAM_Report 1	Open Project Select the project to open	



25. click on FCUBS_BAM_Report →Security

ORACLE' BAM Composer	Home Administrator Designer	Preferences Help ▼ weblogic ▼
COUBS_BAM_Report Create Crea	Dashboard or Al Business View What do you want to create?	Data
	Dashboards and Alerts	
	Dashboards are composed of one or more views Create one	
	Alerts are notifications based on KPIs, Queries, or Pattern Matche Create one	s

26. Click on ADD button Under Grant Permission.

FCUBS_BAM_Report 💌	FCUBS_BAM_Re	FCUBS_BAM_Report (Security) $_{\times}$						
B+/×	Becurity						i	(a) Sav
🖪 Data Objects								
Business Queries	Full Name	/project/FCUBS_BAN	1_Report					
KPIs	Owner Type	USER						
Business Views Bashboards	Owner Name	weblogic						
Alerts								
Parameters	1. Grant permi							
	View 🔻 👍	Detach						
	Role Name	Add Application Roles	, Groups and Users	Remove	Security			
	BAMContent BAMContent							
	MO BAMConcenc	viewer 💌						
	2							
	2. Deny Permis	ssion						
		ssion X I Detach						
	View - 4	X Detach Read	Write	Remove	Security			
	View 👻 🗳	X Detach Read	Write	Remove	Security			
	View - 4	X Detach Read	Write	Remove	Security			



ORACLE BAM Composer		Home Adr	ministrator Desi g	jner		Preferences	Help 🔻	weblo	gic - C
FCUBS_BAM_Report 💌	FCUBS_BAM_Report	(Security) $_{\times}$							3 🛛 -
	🔁 Security						i	62	Save
 Image: Business Queries Image: KPIs Resist Strews Resist Strews Image: Business Views Image: Business Views 	Full Name /proj Owner Type USEI Owner Name web		port						•
Alerts	1. Grant permission								
	View 👻 👍 🗙								
	Role Name Add A	Application Roles, Gro	ups and Users	Remove V	Security				
	BAMContentViewe								
	2. Deny Permission								
	View 🕶 🐈 🗙	detach							
	Role Name No data to display	Read	Write	Remove	Security				

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

ORACLE' BAM Composer	Home Administrator Designer	Preferences	Help 🔻	weblogic 🕶
FCUBS_BAM_Report 💌	FCUBS_BAM_Report (Security) ×			2 S
D 🕂 / 💥 🔂	G Security		1	Save Save
Contract Objects Data Objects Business Queries KPLs Kols Business Views May Dashboards Arts	Full Name /project/FCUBS_BAM_Report Owner Type USER Owner Name weblogic			
Parameters	1. Grant permission			
	Add Application Roles, Groups and Users × Name It Application Role Search RMArchkect BPMConstructivewer ALLROLES-000 CK Cancel			



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

ORACLE BAM Composer	Home Administrator Designer	Preferences	Help 🔻	weblog	jic 🔹 📿
FCUBS_BAM_Report 🔳 🕞 🕂 🥒 💥 🕅	FCUBS_BAM_Report (Security) ×		()	62	② Save
 Control Detail Objects Control Business Quartes KPIs KPIs Business Views Control Business Views Control Business Views 	Full Name /project/FCU85_BAM_Report Owner Type USER Owner Name weblogic				
Akers > Im Parameters	1. Grant permission Add Application Roles, Groups and Users Name Lat: Application Role Search Available Members BAMArchitect: BPMContent/Vewer Selected Members BAMArchitect: BAMARCHITECT: B				
	OK Cancel				

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

ORACLE BAM Composer		Home Administ	ator Designer		Preferences	Help 🔻	weblogic -
FCUBS_BAM_Report 💌	FCUBS_BAM_Report (S	Security) ×					2 S
	Gecurity					i	🚱 Save
 ▷ 3 Data Objects ▷ 3 Busness Queries ○ 4 KPIS ▷ 4 Susness Views ▷ 3 Dashboards 	Full Name /proje Owner Type USER Owner Name weblo						
Alerts ▷ Imin Parameters	1. Grant permission						
		🛃 Detach					
•	Role Name	Read W	te Remove	Security	>		
	BAMContentCreator						
	BAMContentCreator						
	2. Deny Permission	Name of Street Stre					
	View 🔻 💠 💥	Detach					
	Role Name No data to display	Read W	te Remove	Security			



1.2.10 IPM configuration to edit the document

- 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.

hange Center		Home Log Out Preference	s 🔤 Record Help	Welcome, weblogic Connected to: IPM_dom
fiew changes and restarts	н	lome		
Configuration editing is enabled. Future hanges will automatically be activated as you	Set	ttings for myrealm		
nodify, add or delete items in this domain.	Co	onfiguration Users and	roups Roles and Policies Credential Mappings Providers Migration	
omain Structure		Jsers Groups		
M_domain Environment —Deployments —Services	,	This page displays informatic	n about each group that has been configured in this security realm.	
Security Realms Interoperability		Customize this table		
B-Diagnostics	G	Groups		
		New Delete		Showing 1 to 10 of 568 Previous Next
		🔲 Name 🌣	Description	Provider
		AC-BATCH	Accounting Batch Operations	Fcubs
	1 6	AC-REPORTS	Accounting Reports	Fcubs
ow do I 🖂	1 6	AC-RPT	Accounting Reports	Fcubs
Manage users and groups	1 [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
ystem Status 🗉		AEOD-RPT	AEOD Reports	Fcubs
ealth of Running Servers		AEOD-STB	Accounting Reports	Fcubs
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)		New Delete		Showing 1 to 10 of 568 Previous Next

• Click on the New button.

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



Change Center	Home Log Out Pre	eferences 🔤 Record Help	Q	Welcome, weblogic Connected to: IPM_domain
View changes and restarts	Home			
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Group OK Cancel			
Domain Structure	Group Properties			
IPM_domain ⊕-Environment ⊡-Deployments ⊕-Services		ies will be used to identify your new Grou ds	р.	
Security Realms	What would you like to	name your new Group?		
B-Diagnostics	* Name:	IPMUserGroup		
	How would you like to	describe the new Group?		
	Description:	User group for IPM		
	Please choose a provid	ler for the group.		
How do I	Provider:	DefaultAuthenticator -		
Create groups				
Modify groups	OK Cancel			
Delete groups				
Create users Manage users and groups				
Manage users and groups				
System Status				
Health of Running Servers				
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)				

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

ORACLE WebCenter Content: Imaging	
5.5	
	Sign In
	User ID
	Password
	Sign In
Copyright (c) 2010, 2013 Oracle and/or its affiliates. All rights reserved.	Privacy Statement

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



ORACLE WebCenter Conte	t: Imaging	Lagged in as weblogic Help Refresh Preferences Logout About	Q
CRACLE WebCenter Conter	FLEXCIBE: Application Summary General Properties Application 31 Application 32 Application Mark ADC/DE Description and		udfy a Delete a Clase
	Wapplication Security Tate Totation Frontier Vane Mainfor Dates Oract annual Security Tate Security Heater Vane Mainfor Dates Oract Annual Security Tate Security Heater Vane Main Dates Oract Annual Security Tate		
 If Hange Inputs If Hange Connection If Hange Scontry 	Segretaria Caniford Storage Virtue Field Ref 1 Workflow Configuration Water Set		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 weblagic i help. Refresh Preferences Lagout	·
a ∰a Searches USR_D a ∯ Tools	Creat Projection Profession Applications Security Create Applications Documents Security Create Applications Documents Security Create Applications Documents Applications Security Create Applications Documents Applications Security Applications Documents Applications Security Applications Documents Applications Security Applications Documents Applications Security Applications Create Applications Documents Applications Security Deciment Security (bit Applications Security Sec	Cancel Back Red. Submit
(a) Analy Searcher (3) (a) 5 (b) 5 (c) 5 (c) 5 (c) 7 (c) 7	Normality Normality Normality Normality Normality A control Mender Normality Normality Normality	
s 😨 Manage Inputs a 🛃 Manage Connections a Manage Socurity Connect (2015), 2015 Crack uniform at Atlantes. All right		Privacy Statement



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

ORACLE WebCenter Content:	Imaging					Logged in as	weblogic Help Re	fresh I	Preferences Logout A	
USER_ID	USER_ID: Search Summary								Modify X Delete	Close
명 삶 Tools 글 역, Manage Searches USER_ID	Properties Search Name USER_ID Description Instructions Maximum Search Results 0 BResults Formatting									
	Source Application DOCID	Date	В	y						
	Document Created Conta		Value Parameter	- Document Creat	ed By)	Conjunction	
	USER_ID: Search Summary INTERCIPE Search Summary INTERCIPE Search New USER_D Decreption INTERCIPE Decreption Base of the USER_D Decreption INTERCIPE Decreption			1						
	Document Created Document Created	Contains]
	⊡Security									_
	Type Security Member	View	Modify	Delete						
			×	 	×]
	USER_ID: Search Summary Determine Determine IProperties Search New USER_D Decretors Search New USER_D Instructions Search New]								
	Audit History									
	7/4/2014 Definition Modify	weblogic								
Manage Applications										
🗉 🕎 Manage Inputs		weblogic								
Image Connections]
🗉 💝 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 Cor	tent: Imaging	Logged in as weblogic Help Refresh Preferences Logout About 🔘
Besches USER_ID	Properties Results Formatting Conditions Parameter: Security Verview and Test Review Settings USER_ID: Search Security Provide security rights for the search. Select 'Next' when you have finished with search security. Add Cocy Sciences Cocy	Cancel Back Next Schmitt
Generation	Type Security Member View Modiny Delete Access	
Generation Generation Generation Generation	Administrators	
리 문급 Manage Applications 명 대 Manage Inputs 명 대 Manage Connections 명 문 Manage Security	Add Security Member Image: Control of groups or users. Use the text input to set discard with a group of member and set of any of the "discreter as a wildcard within a group of the "discreter as a wildcard within a group of the "discreter as a wildcard within a group of the "discreter as a wildcard within a group of the "discreter as a wildcard within a group of the "discreter as a wildcard within a group of the "discreter as a wildcard within a group of the "discreter as a wildcard within a group of the "discreter as a wildcard within a group of the "discreter as a wildcard within a group of the "discreter as a wildcard within a group of the "discreter as a wildcard within a group of the "discreter as a group of t	

9) Copy the FCBPELCIS.jar to location

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

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

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

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

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

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

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

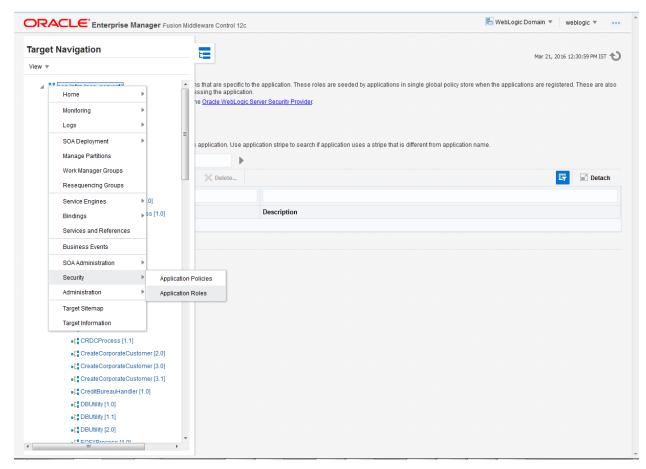


c. Search for '<jpsContexts default="default">' tag and add the following code between '<jpsContexts default="default">' and '</jpsContexts>', preferably after the default 'jpsContext'.



1.2.11 Configuring Superviser Roles in EM

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



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



	soa-infra () SOA Infrastructure	e Ŧ						Mar	21, 2016 12:30:):59 PM I	
pplicati	ion Roles										
	les are the roles les that are creat						roles are seeded by applications in	n single global policy store when the applications are reg	gistered. These	e are a	
						erver Security Provider	ţ.				
Policy St	ore Provider										
Courab											
Search	knoword for role n	ame to query re	loc dofinod i	by this applicatio	n Lice and	lication string to soarc	h if application uses a stripe that is	different from application pame			
ter searen				by and applicate		incluion surpe to seare	an application about a surpe maris	and children appreador hance.			
	Role Na	me Starts With									
∕iew ≖	👕 Create	👫 Create Li	ke 🥒 I	Edit 🗙 Del	ete Se	arch application roles			F C	Detac	
Role Na	amo		Display Na	200		Description					
	Composer			for the Default Pa	artition		nonsible for making changes to cou	mposite artifacts, such as business rules in a business		surity pr	
	Deployer			Deployer for the		A deployer is responsible for deploying new applications, upgrading existing applications, and managing the continuous integratio.					
default_1				e Default Partitio			A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of.				
	ApplicationOperat	tor		Operator for the							
default /				the Default Partit		A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition					
Middlewa	areOperator		SOA Middle	Ware Operator		A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w					
	areAdministrator		SOA Middle	ware Administra	tor	A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always resp					
SOAAdm	nin		SOA Admin	Role		SOA application admin role, has full privilege for performing any operations including security related					
SOAOpe	rator		SOA operat	tor Role		SOA application operator, for common operational tasks like start, stop, monitor, backups					
SOAMon	itor		SOA Monito	r Role		SOA application m	SOA application monitor role, has read-only privileges for monitoring				
SOAAudi	itAdmin		SOA Audit A	Admin Role		SOA audit administrator role, can perform audit configuratoin and administration					
SOAAudi	itViewer		SOA Audit V	/iewer Role		SOA audit viewer role, can view audit records					
BPMWor	rkflowAdmin		BPM Workfl	low System Adm	in Role	BPM Workflow Adr	ninistrator Application Role				
BPMWorkflowCustomize BPM Workflow Customize Role			BPM Workflow Customize Application Role								
BPMAGA	dmin		BPM Activity	Guide Admin R	ole	BPM Activity Guide	Administrator Application Role				
	anizationAdmin		BPM Organ	ization Admin rol	e	BPM Organization	Administrator Application Role				
BPMOrg:				ner		SOA Designer					



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

DRACLE [®] Enterp	rise Manager Fu	ision Middlewai	re Control 12c	🏝 WebLogic Domain 🔻 🛛 weblogic 💌
★ soa-infra ①				Mar 21, 2016 12:30:59 PM IST
pplication Roles pplication roles are the roles use pplication roles that are created in To manage users and groups in	n the context of end u	users accessing	g the applicati	
Policy Store Provider				
Search				
iter search keyword for role nam	e to query roles defin	ned by this appl	ication. Use a	plication stripe to search if application uses a stripe that is different from application name.
Role Name	Starts With 💌		•	
View 🔻 📕 Create	Create Like	🖌 Edit 💙	Delete	E Etach
		Cuit	Delete	
<u></u>		Edit the s	elected applica	ion role
Role Name	Display	y Name		Description
default_Composer	Compo	ser for the Defa	ault Partition	A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security poli
default_Deployer	Compo	site Deployer fo	or the Default	A deployer is responsible for deploying new applications, upgrading existing applications, and managing the continuous integratio
default_Tester	Tester f	for the Default P	artition	A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of
default_ApplicationOperator	Applicat	tion Operator fo	r the Default f	a An application operator is responsible for handling customer complaints and making decisions on requests that result in faults in t
default_Monitor	Monitor	for the Default	Partition	A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition.
MiddlewareOperator	SOA Mi	ddleWare Oper	ator	A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w
MiddlewareAdministrator	SOA Mi	ddleware Admi	nistrator	A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always resp
SOAAdmin	SOA Ad	imin Role		SOA application admin role, has full privilege for performing any operations including security related
SOAOperator	SOA op	erator Role		SOA application operator, for common operational tasks like start, stop, monitor, backups
SOAMonitor	SOA Mo	onitor Role		SOA application monitor role, has read-only privileges for monitoring
SOAAuditAdmin	SOA Au	ıdit Admin Role		SOA audit administrator role, can perform audit configuratoin and administration
SOAAuditViewer	SOA Au	ıdit Viewer Role		SOA audit viewer role, can view audit records
BPMWorkflowAdmin	BPM W	orkflow System	Admin Role	BPM Workflow Administrator Application Role
BPMWorkflowCustomize	BPM W	orkflow Custom	nize Role	BPM Workflow Customize Application Role
BPMAGAdmin	BPM Ac	tivity Guide Adn	nin Role	BPM Activity Guide Administrator Application Role
	DDH Or		in cala	BPM Organization Administrator Application Role
BPMOrganizationAdmin	BPM OF	rganization Adm	in role	bi worganization Administration Application Role



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	Mar 21, 2016 12:34:21 PM IST 👌
Edit Application Role : SOAAdmin 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 General	Can also contain other roles as members.
Application Stripe soa-infra Add Principal Role Name St	_
Display Name S S Specify criteria to search and select the application roles that you want to grant permissions to.	
Description SC Type Group re	
Principal Name Starts With Members An application role may nee Display Name Starts With	
View + Add Searched Principals	
Name View 🔻 🔝 Detach	rpe
Administrators Principal Display Name Description	roup
No search conducted	
Advanced Option	
Check to enter principal name here instead of searching from above. This option can be used for advance	ed scenarios related to custom authenticators.
	OK Cancel



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

ORACLE Enterprise Manager Fusion Middleware Control 12c	n 🔻 weblogic 💌 🚥
t soa-infra () 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 members. General	
Application Stripe soa-Infra Add Principal	1
Role Name St Specify criteria to search and select the application roles that you want to grant permissions to.	
Display Name S' Search	
Description S(pt Type Group	
Principal Name Starts With ALLROLES-000	
Members Display Name Starts With 🔽	
An application role may nee Cropping Name County Hart	
Name View w Detach	/pe
Administrators Principal Display Name Description	roup
ALLROLES-000 ALLROLES-000	
Advanced Option	
Check to enter principal name here instead of searching from above. This option can be used for advanced scenarios related to custom authenticators.	
OK Cancel	
.0.184.133.168.7401/em/faces/as/security/editAppRole?type=oracle_soainfra⌖=/Domain_soa_domain/soa_domain/soa_server1/soa-infra≠	

6. Click on Ok .



1.2.12 Email Driver Configuration

- 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.
Application Deployments	3	
D 🛅 SOA		En
WebLogic Domain		Tł
Business Activity Monito	ring	16
Metadata Repositories		VI
User Messaging Service		
usermessagingdriver	-email (bam_server1)	
usermessagingdu	Home	
ausermessagingserve	Control	- -
<u> </u>	Logs	+
	Performance Summary	
	Email Driver Properties	
	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 Fus	on Middleware Control 12c	🔬 weblogic 🔻 🔘
Target Navigation	👕 usermessagingdriver-email 💿 🍰 User Messaging Email Driver ▼	Logged in as weblogi ci 📃 ofss2221222.in.orade.com Page Refreshed J un 11, 2015 11:09:57 AM IST 🖒
Application Deployments SOA Comparison MebLogic Domain Business Activity Monitoring	Edit Driver Properties	OK Cancel
Comparing the end of the end	Name FCUBS121 Driver Type User Messaging Email Driver © Ornnan Configuration Level Custer Custer Varian Supported Delivery Types EMAIL Capability SEID, RECEIVE Supported Content Types PLIVERY TO_GATEWAY_SUCCESS, DELIVERY_TO_GATEWAY_FAILURE, USER_REPLY_ACONCIVILEOGEMENT_FAILURE	Supported Protocols SMTP Supported Carriers Use Sender Addresses Sender Addresse EMA]LIXXX@xxx.xom Cot EMA]LIXXX@xxx.xom Cot Speed Supports Cancel Supports Status Poling Supports Status Poling

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

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

- 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 Configura	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	
Default From Address	Deprecated. Use Default Sender Address instead. The default FROM address (if one is not provided in the outgoing message).			xxx@xxx.com	
Outgoing Username	The username used for SMTP authentication. Required only if SMTP authentication is supported by the SMTP server.				
	The energy of the CMTD				Ŧ

13. Navigate to SOA Administration ->Workflow Properties

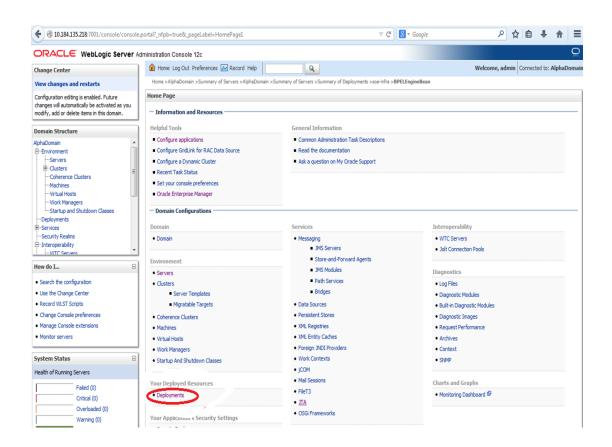
ORACLE' E	Enterprise Manager Fus	ion Middleware Control 12c	🔢 weblogic 👻 🔘
Target Navigation View ▼ > □ Application Depl		[●] soa-infra	Logged in as weblogic 🗐 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:15:16 AM IST 🖒
 SOA Soa-Infer A' Go default Webt og: Don Dusiness Activ Metadata Reg: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

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



1.2.13 TimeOut Settings for BPEL

- 1. Login in to Console (http://hostname:port/console)
- 2. Click on Deployments



3. Click on SOA_INFRA Application under deployments.



r Services Security Realms ⊡ Interoperability	Name 🏟	State	Health	Туре	Targets	Deployment Order
	foracle.wsm.console.core.view(1.0, 12. 1. 3.0)	Active		Library	AdminServer	311
How do I	forade.wsm.seedpolicies(2.0, 12. 1. 3)	Active		Library	AdminServer, BAMServer, SOAServer	100
Install an enterprise application Configure an enterprise application	O racleAppsAdapter	Active	🖋 ОК	Resource Adapter	SOAServer	328
Update (redeploy) an enterprise application Start and stop a deployed enterprise application	■ OracleBamAdapter	Installed		Resource Adapter		329
Monitor the modules of an enterprise application	⊡ CradeBPMBACServerApp	Active	🖋 ОК	Enterprise Application	SOAServer	384
Deploy EJB modules Install a Web application	⊡ CradeBPMComposerRolesApp	Active	🖋 ОК	Enterprise Application	SOAServer	382
System Status		Active	🖋 ОК	Enterprise Application	SOAServer	381
Health of Running Servers		Active	🖋 ОК	Enterprise Application	SOAServer	383
Failed (0) Critical (0)	orai18n-adf(11,11.1.1.10)	Active		Library	AdminServer, BAMServer, SOAServer	100
Overloaded (0) Warning (0)	wasp.esapi(2.0,12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
OK (2)	SAPAdapter	Installed		Resource Adapter		335
	GimpleApprovalTaskFlow	Active	🖋 ок	Enterprise Application	SOAServer	386
	🕀 📑 soa-infra	Active	🖋 ОК	Enterprise Application	SOAServer	350
	€ soa-webapps	Active	🖋 ОК	Enterprise Application	SOAServer	360
	🜓 soa.em	Active		Library	AdminServer	100
	SocketAdapter	Installed		Resource Adapter		326
	State-management-provider-memory-rar-12.1.3	Active	🖋 ок	Resource Adapter	AdminServer, BAMServer, SOAServer	100
	MUX(11,12.1.3.0.0)	Active		Library	AdminServer, BAMServer,	100

4. Click on BPEL Engine EJB \rightarrow Configuration \rightarrow set Transaction Time Out to 300.

B2BInstanceMessageBean	EJB		
B2BIntegratorBean	EJB		
B2BMetadataUtilityBean	EJB		
B2BStarterBeanWLS	EJB		
B2BUtiltyBean	EJB		
BAMActionMDB	EJB		
BeamActionMDB	EJB		
BottleneckDetectionBean	EJB		
BPELActivityManagerBean	EJB		
BPELAudit TraiBean	EJB		
BPELCacheRegistryBean	EJB		
BPELCacheStoreBean	EJB		
BPELClusterBean	EJB		
BPELDeliveryBean	EJB		
BPELDispatcherBean	EJB		
<u>BPELEngineBean</u>	EJB		
BPELFinde 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 TraiBean	EJB		
BPMNClusterBean	EJB		



	Name:	BPELEngineBean	The name of this bean. More Info
Virtual Hosts			
Startup and Shutdown Classes	Туре:	stateless	The EJB type (session, entity, or message). More Info
Deployments	Transaction Type:	Container	The bean's transaction type. More Info
-Services	Transaction Type:	Container	The bearts d'ansacuon type. Plore mo
∃-Interoperability	EJB Class Name:	com.collaxa.cube.engine.ejb.impl.bpel.BPELEngineBean	EJB Class Name More Info
WTC Servers	- Pool Configuration		
ow do I	Initial Beans in Free Pool:	100	The initial number of beans in the free pool. More Info
Configure Version 2.X EJBs	findal beans in Free Pool.	100	The initial number of bears in the free poor. Hore initial
 View deployment status of EJBs 	Max Beans in Free Pool:	1000	The maximum number of beans in the free pool. When an EJB has been in
 Set EJB target servers and dusters 			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
Update (redeploy) EJBs			free pool specified in this field, idle beans are removed from the free
Stop EJBs			pool. More Info
System Status	Idle Timeout:	0	The maximum length of time (in seconds) an EJB should remain in the cache
lealth of Running Servers			or free pool before it is passivated or removed. More Info
-	- Enterprise Bean Configuration	I	
Failed (0)	Network Access Point:		Custom network channel that the EJB uses for network
Critical (0) Overloaded (0)			communications. More Info
Warning (0)	Run As Principal Name:		The security principal to be used as the run-as principal for a bean that has
OK (2)	Run As Principal name:		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
	Local JNDI Name:		The JNDI name for a bean's local Home. More Info
	👸 Dispatch Policy:		Designates which server execute thread pool the EJB should run in. More
			Info
	Transaction Timeout:		
		300	The transaction timeout value, in seconds. More Info

5. Go to EJBs→BPEL Delivery Bean→ Configuration→set TransactionTimeOut to 300

B2BUtir	tyBean	EJB	
BAMAct	ionMDB	EJB	
BeamAd	tionMDB	EJB	
- Bottlen	eckDetectionBean	EJB	
BPELAC	tivityManagerBean	EJB	
5 BPELAU	dit TrailBean	EJB	
BPELCa	cheRegistryBean	EJB	
BPELCa	cheStoreBean	EJB	
BPELCk	sterBean	EJB	
	iveryBean	EJB	
BPELDis	patch BPELDeliveryBean, Level 3, 20 of 106	EJB	
6 BPELEN	gineBean	EJB	
5 BPELFin	derBean	EJB	
BPELIns	tanceManagerBean	EJB	
5 BPELKe	yGeneratorBean	EJB	
BPELPro	cessManagerBean	EJB	
5 BPELSe	nsorValuesBean	EJB	
5 BPELSe	rverManagerBean	EJB	
0 BPELTe	stInstanceManager	EJB	
5 BpmAG	ProcessBrokerServiceBean	EJB	
BpmAp	ServiceBean	EJB	
5 BPMDat	aObjectSecurityService	EJB	
	tivityManagerBean	EJB	
	udit TrailBean	EJB	
BPMNCI	usterBean	EJB	
5 BPMND		EJB	
	spatcherBean	EJB	
BPMNEr	igineBean	EJB	
BPMNFit	nderBean	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: — Pool Configuration —	com.collaxa.cube.engine.ejb.impl.bpel.BPELDeliveryBean	EJB Class Name More Info			
ow do I		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	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			
Update (redeploy) EJBs			approaches the maximum beans in free pool specified in this field, idle beans are removed from the free pool. More Info			
stop EJBs	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				
Faled (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(300+300<=600)



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

Login in to EM console (http://host:port/em)→SOA dminstration→BPEL
 Properties→MoreConfigpropeties→ Syncmax timeout .Change the SyncmaxtimeOut to 200 secs



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RACLE Enterprise Manager Fusion Middleware Control	12c		👥 admin 🔻
WebLogic Domain 🔻			
get Navigation	😭 soa-infra 🔞		n 📋 ofss220692.in.orac
ew 🖛	SOA Infrastructure ▼	Page Refreshed Jun 17,	2015 11:36:01 AM IST
Application Deployments SOA 接 soa-infra (5	Dashboard Deployed Composites Flow Instances Error Hospital		
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• •	Default Query Duration Last 24 Hours () Auto Purge Enabled ()	e latest data. Click graph to drill down.	ଷ୍ଟ୍ର Wit
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GloseF Business Events	SOA Kultuine Health		Composite
COLLA Security BPEL Properties	soa-infra (SOAServer)	t-Up Errors	Sensor Na
Gredit: Administration BPMN Properties Gredit: Target Information Mediator Properties	Initialized Successfully V No EIS Connectivity	/ Errors	
GRPClosureProcess [1.0] Workflow Properties			
Qala CRPProcess [2.0] Cross References Qala CurrentAccountCreationWithCreditFacility Takes Conferences	System Backlogs	endpoints are UP	
QB DBUbilty [1.0] Token computation QB DBUbilty [2.0] Auto Purge QB Dbubilty [2.0] Auto Purge	Last* 24 VHours V		
କ୍ଷ୍ମିର୍ବ୍ଧ EQFXProcess [1.0] କ୍ଷ୍ମିର୍ବ୍ଧ EXPNProcess [1.0] କ୍ଷ୍ମିର୍ବ୍ଧ ExternalValuation [2.0]	Refresh region to show the latest data.		
¹ / ₁₀ InitiateFCUBSORRetail.oanPayment [1.0] ¹ / ₁₀ InitiateKYCCheckFCUBSORService [1.0] ¹ / ₁₀ InitiateKYCCheckFCUBSORService [1.0]	Messages in Queues: BPEL Invoke		
여덟 InitiateRetail.coanContractFCUBSORService [1.0] 여덟 InitiateRetail.coanPaymentFCUBSORService [1.0] 여덟 InitiateRiskEvaluationFCUBSORService [1.0]	BPEL Callback Mediator Parallel Routing		
କ୍ଷି KYCCheck [2.0] କଞ୍ଚି KYCCorporateReview [2.0] କଞ୍ଚି KYCReview [2.0]			
InitReview [1.0] InitReview [1.0] InitReview [1.0]			
• • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • •		



10.184.135.218-7001/em/faces/as/browser/mbeans?Adf-Page-Id=132 Control - Enterprise Manager Fusion Middleware Control - Web.ogc Domain -			eensiseen marcening ray marrier	Soparize earry - C Constant	·	☆自	👥 admin 🔻
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ïew ▼	•	Applic	ation Defined MBeans: BI	PELConfig:bpel			Apply Re
Application Deployments		(i) T	nformation				
SOA		-		not managed by the configuration session. The changes will be applied im	mediately.	You cannot ur	ndo the chang
⊿ 器 soa-infra (SOAServer)			om the Change Center.				inter a raining
4 🔞 default		⊳ sh	ow MBean Information				
AmendFCUBSORNFRetailLoanContract [1.0]		Attrib	utes Operations Notifications				
AmendFCUBSORRetailLoanContract [1.0]		_	ame	Description	Access	Value	
କାର୍ଷ୍ଣ୍ଣ AmendRetailLoanContractFCUBSORService [1.0] କାର୍ଷ୍ଣ୍ଣ BIPUtility [1.0]			and a georgeometre contorta	a separate location from the rest of the instance scope data	Access	100000	
Wild BIPUTIITY [1.0]				specify the number of invoke messages that can be kept in the			
BPELCRPClosureProcess [1.0]		22.1	avimumNumberOfficuekeMessagesT	in-memory cache, once the engine hits this limit, it would push the message to dispatcher in-memory cache, instead it would save the	RW	100000	
BPELCRPProcess [1.0]		22 1	axinuminumber ontrivokerressagest	message to dispatcher infinition y cache, instead it would save the message in the db and these saved messages can be recovered using	NW.	100000	
bpelcvnprocess [1.0]				recovery job, you can use value -1 to disable			
BPELLimitReview [1.0]		23 N	laxRecoverAttempt	This value specifies the maximum number of times an invoke or callback or activity will be recovered	RW	2	
GIBLProcess [1.0]				The minimum time duration for BPEL to do a real wait that involves a			
GoseFCUBSORRetailLoanContract [1.0]	E	24 N	linBPELWait	dehydration	RW	2	
CloseRetailLoanContractFCUBSORService [1.0]	•	25 o	bjectName	The MBean's unique JMX name	R	oracle.as.soa	ainfra.config:r
GOLLATProcess [1.0]		26 C	neWayDeliveryPolicy	Changes whether the one-way invocation messages are delivered	RW	async.persis	st
ଖାରୁ CRDCProcess [1.0] ଖାରୁ CreditBureauBPEL [1.0]		27 C	ualityOfService	flag to enable or disable coherence cache for bpel service engine. use CacheEnabled for enabling coherence.	RW	DirectWrite	
🖓 CreditBureauHandler [1.0]		28 0	ualityOfServiceAuditStorePolicyUse	flag to enable or disable coherence cache for bpel service engine when	RW	false	
GRPClosureProcess [1.0]		20 9	uaityorael viceAdditatoreFolicyose	auditStorePolicy is set to async	NW.	Idise	
CRPProcess [1.0]		29 Q	ualityOfServiceOneWayDeliveryPoli	flag to enable or disable coherence cache for bpel service engine when oneWayDeliveryPolicy is set to async	RW	false	
CRPProcess [2.0]		30 R	eadOnly	If true, it indicates that this MBean is a read only MBean.	R	false	
CurrentAccountCreationWithCreditFacility [1.0]		31 R	ecoveryConfig	Recovery Configuration	RW	javax.manag	ement.openm
에는 DBUtility [1.0] 에는 DBUtility [2.0]		32 R	ecurringMaxMessageRaiseSize	Number of messages to recover during recurring recovery	RW	50	
Disburg [2:0] DisburgeFCUBSORRetailLoanContract [1:0]		33 R	estartNeeded	Indicates whether a restart is needed.	R	false	
COSCIENCE CONSCIENCE AND CONTRACT [1:0]		34 S	pecCompliance	Sets how the implementation is compliant to the spec	RW	suggest	
EXPNProcess [1.0]		35 S	tartupMaxMessageRaiseSize	Number of messages to recover during startup recovery	RW	50	
Contraction [2.0]		36 S	tatsLastN	The size of the "most recently processed" request list	RW	-1	
📲 InitiateFCUBSORRetailLoanPayment [1.0]		37 S	vncMaxWaitTime	The maximum time a request/response operation will take before it	RW	45)
4 a InitiateKYCCheckFCUBSORService [1.0]			ystemMBean	times out. The default value is <u>45 seconds</u> . If true, it indicates that this MBean is a System MBean.	R	false	
୩ <mark>୦</mark> InitiateRetailLoanContractFCUBSORService [1.0] ୩ <mark>୦</mark> InitiateRetailLoanPaymentFCUBSORService [1.0]			alidateXML	If true, it indicates that this Mibean is a System Mibean. If set to "true" the engine will apply schema validation for incoming and	RW	false	
				outgoing xml documents. The default value "false".			
W KYCCheck [2.0]		40 V		version of the config file	R	11.1.0	
KYCCorporateReview [2.0]		41 V		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.





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