Setting up Plug-Ins Oracle FLEXCUBE Investor Servicing Release 14.5.3.0.0 [February] [2022]

FINANCIAL SERVICES

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1. Setting_up_Plugins

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 IS and BPEL

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

1.2.1 Custom Provider Configuration

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 FCIS 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.

Welcome, weblogic Connected to: Dev1201_dom
welcome, weblogic connected to. Devizor_dom
Interoperability
WTC Servers
Jolt Connection Pools
Diagnostics
Log Files
Diagnostic Modules
Built-in Diagnostic Modules
Diagnostic Images
Request Performance
Archives
Context
• SNMP
- 500
Charts and Graphs
Monitoring Dashboard
 Monitoring Dashboard with



5. Click on myrealm.

	dministration Console 12c	Q
Change Center	🏦 Home Log Out Preferences 🖂 Record Help	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security Realms	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure Dev1201_domain	security realms in a WebLogic Server domain, but only one can be set as the de	anthy roles, security polices, and security providers—that are used to protect. WebLogic resources. You can have multiple fault (activ) praim.
Deployments Deployments Service Security Realms Deployments Deployments Deployments	₢ustomize this table Realms (Filtered - More Columns Exist)	
th blagnostics	New Delete	Showing 1 to 1 of 1 Previous Next
	🔲 Name 🗇	Default Realm
	myrealm	true
	New Delete	Showing i to 1 of 1 Previous Next
How do I 🖂		
Configure new security realms Delete security realms Change the default security realm System Status		
Health of Running Servers		
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (3) Weblogic Server Version: 12:13:0.0		
Copyright (c) 1996,2014, Oracle and/or its affiliates. Al	II rights reserved. n and/or its affiliates. Other names may be trademarks of their respective owners.	

6. Click on Providers tab and click on new button to create new authentication provider.7. Give Provider name as FCJCustomProvider and type as FCUBSUserAuthenticator.

	dministration Console 1	20	9
Change Center		references 🔤 Record Help	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of S	ecurity Realms >myrealm >Providers > FC3CustomProvider >Providers	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Auther	ntication Provider	
Domain Structure	Create a new Aut	hentication Provider	
Dev 1201_domain E-Environment Deployments E-Services	The following proper * Indicates required fie	tes will be used to identify your new Authentication Provider.	
Security Realms ⊡Interoperability ⊡Diagnostics	The name of the auth	entication provider.	
	This is the type of aut	thentication provider you wish to create.	
	Type:	FCUBSUserAuthenticator	
How do I	OK Cancel		
Manage security providers			
Configure Authentication and Identity Assertion providers			
System Status 🖂			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0) Warning (0)			
OK (3)			
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8. Click Reorder to bring provider to first of all providers and click OK.

nange Center	Home Log C	😭 Home Log Out Preferences 🔝 Record Help									
w changes and restarts ifiguration editing is enabled. Future nges will automatically be activated as you	Messages	Home >Summary of Security Realms >mynealm >Providers >PCICustomProvider > Providers Hessages © Create operation cancelled - no Authentication Providers created.									
modify, add or delete items in this domain. Settings for myrealm											
nain Structure	Configuration	Users and Groups	Roles and Policies	Credential Mapp	nas Provide	ns Migratio	on				
1201_domain Environment	Authenticati	on Password Valida	ation Authorization	Adjudication	Role Mapping	Auditina	Credential Mapping	Certification Path	Keystores		
legnostics	Customize t	his table	you to work with user	s and groups from	previous releasi	es of WebLog	gic Server.		Sh	wing 1 to 4 of 4 Previous	
do I 🖂		\sim	·		Description				5.7	Version	
onfigure Authentication and Identity ssertion providers	FCJCust	omProvider			Authentication provider for FLEXCUBE users					FCUBS 12.1	
onfigure the Password Validation provider	Trust Se	rvice Identity Asserte	r		Trust Service Identity Assertion Provider					1.0	
anage security providers	📃 DefaultA	uthenticator			WebLogic Authentication Provider					1.0	
et the JAAS control flag	Defaulti	dentityAsserter			WebLogic Identit	ty Assertion p	provider	ider 1.0			
Re-order Authentication providers		lete							Sh	owing 1 to 4 of 4 Previous	
Failed (0)											

	dministration Console 12c		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security Realms >myrealm >Provid	iders >FCICustomProvider > Providers	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	OK Cancel		
Domain Structure	Reorder Authentication Providers		
Dev 10 1, domain	You can reorder your Authentication Providers using Select authenticator(s) in the list and use arrows to r Catalobic: PCCCustomProvider: PCCCustomProvider ConfaultAuthenticator DefaultAuthenticator DefaultUdentityAsserter CATA	ng the list below. By reordering Authentication Providers, you o	an alter the authentication sequence.
Set the JAAS control flag	Cancer		
System Status 🗉			
Health of Running Servers			
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (3)			
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation	Il rights reserved. n and/or its affiliates. Other names may be trademarks of their	r respective owners.	

ORACLE 1-4

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

Change Center	Home Log Out Preferer	🟦 Home Log Out Preferences 🔝 Record Help									
View changes and restarts	Home >Summary of Security	Home > Summary of Security Realms > myrealm > Providers > FCICustomProvider > Providers > FCICustomProvider									
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for FCJCustomPr	Settings for FCJCustomProvider									
modify, add or delete items in this domain.	Configuration										
Domain Structure	Common Provider Spec	fic									
Dev 120 1_domain	Save										
Deployments IIIServices	This page allows you to de	fine the general configuration of this provider.									
Security Realms	🚑 Name:	FCJCustomProvider									
⊞-Diagnostics	i Description:	Authentication provider for FLEXCUBE users									
	🔠 Version:	FCUBS 12.1									
	街 Control Flag:	SUFFICIENT 💌									
How do I	Save										
No task help found.											
System Status	1										
Health of Running Servers											
Failed (0)											
Critical (0) Overloaded (0)											
Warning (0)											
OK (3)											

11. In Provider Specific tab

a) Set JNDIName as Flexcube JNDI Name.

b) If external authentications used in FCIS then Fill the LDAP/MSAD related fields.

ORACLE WebLogic Server A			Q
Change Center	🚹 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: Dev1201_domai
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers >F	CJCustomProvider >Providers >FCJCustomProvider	
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for FCJCustomProvider		
modify, add or delete items in this domain.	Configuration		
Domain Structure	Common Provider Specific		
Dev 120 1_domain B -Environment	Save		
Deployments Services	This page allows you to configure additional attributes for	this security provider.	
Security Realms	🗐 👸 Ldap SSLEnabled		
Diagnostics	👸 Authentication Type:	MSAD 💌	
	🏀 Ldap Domain Name:	OFSS.COM	
	E Security Authentication Type:	simple -	
How do I	🚓 Ldap Server Ip And Port:	localhost389	
No task help found.	External Password Required		
System Status Health of Running Servers	👸 Ldap Server Time Out Duration:	0	
Failed (0)	🗐 👸 Msad Or Ldap Login Required		
Critical (0) Overloaded (0)	🛃 JNDIName:	jdbc/fcjdevDS	
Warning (0) OK (3)	Save		



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-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 IS 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'.
- 4. Navigate to the location

'<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x\classes\com\ofss\fcc\bpel\ cac'. Edit the properties file 'CISProperties.properties' and update 'JNDI.name' with the JNDI name 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.



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

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

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

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

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

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

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

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

9. Repeat from step2 to step7for each entity creation



10. Once the above steps are completed, restart the server.

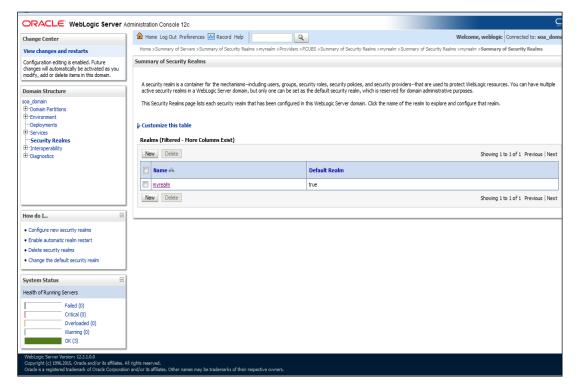
1.2.4 Configuring for Multiple Providers for Multiple Entities

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

modify, add or delete items in this domain.	 Information and Resources 					
Domain Structure	Helpful Tools	General Information				
soa domain	Configure applications	 Common Administration Task Descriptions 				
Domain Partitions	Configure GridLink for RAC Data Source	Read the documentation				
B-Environment	Configure a Dynamic Cluster	 Ask a question on My Oracle Support 				
Deployments B-Services	 Recent Task Status 					
- Security Realms	 Set your console preferences 					
-Interoperability	Oracle Enterprise Manager					
B-Diagnostics						
	— Domain Configurations					
	Domain	Resource Group Templates	Interoperability			
	Domain	 Resource Group Templates 	WTC Servers			
			 Jolt Connection Pools 			
tow do I	Domain Partitions	Resource Groups				
10w do 1	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			
System Status	Coherence Clusters	 Store-and-Forward Agents 	SNMP			
Health of Running Servers	Machines	 JMS Modules 	Interceptors			
Failed (0)	Virtual Hosts	 Path Services 				
Critical (0)	Virtual Targets	 Bridges 	Charts and Graphs			
Overloaded (0)	Work Managers	Data Sources	 Monitoring Dashboard IP 			
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 				
	<u>Security Realms</u>	• jCOM				
		Mail Sessions				
		• FileT3				
		• JTA				
		 OSGi Frameworks 				



3. Click on myrealms.



4. Click on Providers.

ORACLE WebLogic Server Ad	ministration Cons	sole 12c									
Change Center		Out Preferences 🔤	Record Help		Q			Welcome, weblogic Connected to: soa_do			
View changes and restarts	Home >Summar	y of Security Realms >:	myrealm >Provide	rs >FCUBS >Sum	mary of Secur	ty Realms >n	tyrealm >Summary	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 Groups Rol		Roles and Pol	icies Credentia	el Mappings	Providers	Migration				
Domain Structure	General RD	BMS Security Store	User Lockout	Performance		P	oviders- Tab				
sca_domain	Save										
Degroupents Services Security Realms Dignostics	Note: If you	Use this page to configure the general behavior of this security realm. Inter: If you are implementing security using JACC (Java Authorization Contract for Containers as defined in 35R 115), you must use the DD Only security model. Other WebLogic Server models are not available and the security functions for Web applications and EJBs in the Administration Console are disabled.									
	Name:			myrealm				The name of this security realm. More Info			
	🛃 Security I	1odel Default:		DD Only		•		Specifies the default security model for Web applications or EJBs that are secured by this security ream. You can override this default during deployment. More Info			
How do L • Configure new security realms • Enable automatic realm restart	📝 ₆ Combi	ned Role Mapping I	Enabled					Determines how the role mappings in the Enterprise Application, Web application, and EB containers interact. This setting is valid only for Web applications and EB that use the Advanced security model and that initialize roles from deployment descriptors. More Info			
Manage security for Web applications and EJBs Set the default security model	🗏 🛃 Use Au	ithorization Provid	ers to Protect	JMX Access				Configures the WebLogic Server MBean servers to use the security realm's Authorization providers to determine whether a JMX client has permission to access an MBean attribute or invoke an MBean operation. More Info			
Delegate MBean authorization to the realm System Status	🔲 Automatic	cally Restart After	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 Timeo	ut:		60				Specifies the retire timeout for a realm that is restarted. The old realm will be shutdown after the specified timeout period has elapsed. More info			
Failed (0) Critical (0) Overloaded (0) Warning (0) O((3))	- Advanced	1									
UK (3)											
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation		ther names may be tra	demarks of their re	sspective owners.							



5. Click on New

Change Center	Home Log Out Pr	references 🔤 Rec	ord Help		Q				Welcome, weblo	gic Connected to: soa_dor		
View changes and restarts	Home >myrealm >Pro	viders >FCUBS >Sur	nmary of Security	Realms >myrealm >	Summary of Secu	rity Realms >r	myrealm >Summary of	Security Realms >myrea	alm > Providers			
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for myreal	Settings for myrealm										
modify, add or delete items in this domain.	Configuration User	s and Groups Ro	les and Policies	Credential Mapp	ngs Provider	rs Migratio	on					
Domain Structure	Authentication	Password Validation	Authorization	Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path				
oa, domain © Consain Petitions © Environment I Deployments © Services I Security Realms © Interoperability © Deprositio	An Authentication providers in a securi Customize this ta Authentication Provident	ty realm. Different i	ogic Server to es types of Authenti	tablish trust by va cation providers a	idating a user. Ye re designed to ac	ou must have cess differer	e one Authentication p nt data stores, such as	rovider in a security r ; LDAP servers or DBM	IS.	figure multiple Authentication		
	Name				Description				Jilowi	Version		
	FCUBS				Authentication provider for FLEXCUBE users					FCUBS 12.2		
How do I 🗉	Trust Service I	dentity Asserter			Trust Service Identity Assertion Provider					1.0		
Configure Authentication and Identity	DefaultAuthen	ticator			WebLogic Authentication Provider					1.0		
Assertion providers	DefaultIdentity	/Asserter			WebLogic Identity Assertion provider					1.0		
Configure the Password Validation provider Manage security providers Set the JAAS control flag	New Delete	Reorder							Showir	g 1 to 4 of 4 Previous Nex		
Re-order Authentication providers System Status]											
Health of Running Servers												
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)												

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

Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: soa_do
View changes and restarts	Home >FCUBS >Summary of Security Realms >myrealm >Summary of Security Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealms >Summary of Security Realms >Summary of Security Realms >Summary of Security Realms >Summary of Secu	ealm > Providers > ENTITYID > Providers
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Authentication Provider	
Domain Structure	Create a new Authentication Provider	
ea_domain Domain Partitions Franvironment Deployments	The following properties will be used to identify your new Authentication Provider. * Indicates required fields	
Services Security Realms Interoperability Diagnostics	The name of the authentication provider. * Name: ENTITYID	
How do I E	This is the type of authentication provider you wish to create. Type: FCUBSUser/Authenticator 0K Cancel	
Manage security providers Configure Authentication and Identity		
Assertion providers		
System Status	3	
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0) OK (3)		
Un (3)		



7. Click 'Reorder. Authentication Providers. Select the required option in 'Available' field and click Ok.

0	
	dministration Console 12c
Change Center	🖻 Home Log Out Preferences 🖾 Record Help
View changes and restarts	Home > PCUBS > 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 rearder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter the authentication sequence.
Environment Deployments	Select authenticator(s) in the list and use arrows to move them up and down in the list.
⊕-Services →Services →Services →Services ⊕-Intercoperability ⊕-Diagnostics	eff Authentication Providers: Available: v Brithy 10 FUS5 Trust Service Identity Asserter Default/aduthenticator Default/aduthenticator Default/aduthenticator
How do I	
Re-order Authentication providers Set the JAAS control flag	OK Cancel
System Status	
Health of Running Servers	
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (3)	
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation	l rights reserved. and/or its affiliates. Other names may be taslemarks of their respective owners.

8. Click the Provider that we have created.

ORACLE WebLogic Server Ad	dministration Consol	e 12c								Õ
Change Center	Home Log Out	Preferences 🔤 R	ecord Help		Q				Welcome, weblo	gic Connected to: soa_domain
View changes and restarts	Home >myrealm >!	Home >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID >Providers								
Configuration editing is enabled. Future	Settings for myrealm									
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration L	sers and Groups	toles and Policies	Credential Mappi	ngs Provider	6 Migrati	ion			
Domain Structure	Authentication	Password Validati	n Authorization	Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path		
soa, Jonain 🔁 Donain Partitions 🖗 Environment Implements Imp	An Authentication provider allows Weld ogc Server to establish trust by validating a user. You must have one Authentication provider in a security realm, and you can configure multip providers in a security realm. Different types of Authentication providers are designed to access different data stores, such as LDAP servers or DBMS. Customize this table Authentication Providers									igure multiple Authentication a 1 to 5 of 5 Previous Next
	New Delete	Reorder			Description				SHOWER	Version
	ENTITYID				Authentication provider for FLEXCUBE users					FCUBS 12.2
How do L	FCUBS				Authentication provider for FLEXCUBE users					FCUBS 12.2
Configure Authentication and Identity	Trust Service Identity Asserter Trust Service Identity Assertion Provider							1.0		
Assertion providers	DefaultAut	enticator			WebLogic Authen	tication Pro	ovider			1.0
Configure the Password Validation provider	DefaultIder	tityAsserter			WebLogic Identity Assertion provider					1.0
Manage security providers Set the JAAS control flag	New Delete	Reorder							Showin	g 1 to 5 of 5 Previous Next
Re-order Authentication providers										
System Status Health of Running Servers Paled (0) Critical (0) Overloaded (0) Warning (0) CK (3)										
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9. In Common tab, select the control flag as SUFFICENT from the list and click Save.

	Iministration Console 12c									
Change Center	Home Log Out Preferences	Record Help	Welcome, weblogic Connected to: soa_d							
View changes and restarts	Home >Summary of Security Realn	Home >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID >Providers >ENTITYID								
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for ENTITYID	Settings for ENTITYID								
modify, add or delete items in this domain.	Configuration									
Domain Structure	Common Provider Specific									
soa_domain B-Domain Partitions	Save									
Environment Deployments	This page allows you to define t	ne general configuration of this provider.								
Security Realms	🕂 Name:	ENTITYID								
⊕-Interoperability ⊕-Diagnostics	Description:	Authentication provider for FLEXCUBE users								
	🦺 Version:	FCUBS 12.2								
	代 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.

ORACLE WebLogic Server Ad	dministration Console 12c	Ç					
Change Center	🔓 Home Log Out Preferences 🗟 Record Help						
View changes and restarts	Home >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID >Providers >ENTITYID						
Configuration editing is enabled. Future changes will automatically be activated as you	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 attribute	es for this security provider.					
⊕-Services Security Realms ⊕-Interoperability	代 Ldap Server Ip And Port:	localhost389					
⊕ Diagnostics	🦺 JNDIName:	jdbc/fcjdevDS					
	🗐 🛃 External Password Required						
	n Constant C	0					
How do I No task help found.	🗐 👧 Multi Entity Enabled						
System Status	Security Authentication Type:	simple 💌					
Health of Running Servers	🖉 Entity Id:	ENT1					
Failed (0) Critical (0) Overloaded (0)	赶 Ldap Domain Name:	OFSS.COM					
Warning (0) OK (3)	🗐 👸 Ldap SSLEnabled						
	🗐 縫 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 Oracle is a registered trademark of Oracle Corporation	I rights reserved. n and/or its affiliates. Other names may be trademarks of their re	ispective owners.					



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

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	Home >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID >Providers >ENTITYID						
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings for ENTITYID Configuration							
Domain Structure	Common Provider Specific							
soa_domain	Save This page allows you to configure additional attribute	is for this security provider.						
Services Security Realms	년 Ldap Server Ip And Port:	localhost389						
Diagnostics	優 JNDIName:	jdbc/fcjdevDS						
	🗐 👸 External Password Required							
	街 Ldap Server Time Out Duration:	0						
How do L	🖻 🗑 👘 Multi Entity Enabled							
	Security Authentication Type:	simple 💌						
Health of Running Servers	🛃 Entity Id:	ENT1						
Failed (0) Critical (0) Overloaded (0)	授 Ldap Domain Name:	OFSS.COM						
Warring (0) OK (3)	🗐 👸 Ldap SSLEnabled							
	🔄 🛃 Msad Or Ldap Login Required							
	1 Authentication Type:	MSAD 💌						
	Save							
WebLogic Server Version: 12.2.1.0.0	L							

12. Enter the Entity ID with the Entity name which we created in the property file level and click Save

Change Center	🖬 Home Log Out Preferences 🔤 Record Help	٩	Welcome, weblogic Connected to: soa_do
View changes and restarts	Home >Summary of Security Realms >myrealm >Summa	ry of Security Realms >myrealm >Providers >ENTITYID >Prov	iders >ENTITYID >Providers >ENTITYID
Configuration editing is enabled. Future changes will automatically be activated as yo modify, add or delete items in this domain.	Settings for ENTITYID Configuration		
Domain Structure	Common Provider Specific		
soa_domain Domain Partitions Dervironment	Save This page allows you to configure additional attribute	es for this security provider.	
Deployments Services Security Realms Deproperability	الله المعالم المعال معالم معالم معالم المعالم المعالم معالم م معالم معالم معالم معالم معالم معالم معالم معالم معالم معالم معالم معا	localhost389	
Diagnostics	👸 JNDIName:	jdbc/fcjdevDS	
	🔲 👸 External Password Required		
	dia Ldap Server Time Out Duration:	0	
How do I	🖃 🖉 👰 Multi Entity Enabled		
System Status	Security Authentication Type:	simple 💌	
Health of Running Servers	a Entity Id:	ENT1	
Failed (0) Critical (0) Overloaded (0)	👸 Ldap Domain Name:	OFSS.COM	
Warning (0) OK (3)	🔲 🛃 Ldap SSLEnabled		
	🔄 👸 Hsad Or Ldap Login Required		
	Authentication Type:	MSAD 💌	
	Save		
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- 13. Create the new datasource for each entity with the JNDI name which we mapped in the property file.
- 14. Restart the Admin server
- 15. Continue the step1 to step15 for each provider creation in multi entity scenario.

1.2.5 Configuring DBAdapter

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

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

	A Home	n Console 12c	rancer N Record Halo	Q			W	alcome weblogic Coppe	cted to: Dev1201_dom	
hange Center										
iew changes and restarts	Home >Summary of Deployments									
onfiguration editing is enabled. Future langes will automatically be activated as you	Summar	Summary of Deployments								
odify, add or delete items in this domain.	Control	Monitoring								
main Structure	This are		of Jacon EE analysis in and all	and-alone application modules that						
v1201_domain Environment •Deployments •Services -Security Realms	(redep To inst	loyed), or delete all a new applicat	d from the domain by first sele ion or module for deployment	to targets in this domain, dick the I	ig the controls on this pa		nstalled application	is and modules can be starte	a, stopped, apastea	
-Interoperability -Diagnostics	Custo	mize this table								
	Deploy	yments								
	Instal	Update	Delete Start ~ Stop	~				Showing 1 to 47	7 of 47 Previous Next	
		lame 🗠			State	Health	Туре	Targets	Deployment Order	
		AqAdapter			Active	🖋 ок	Resource Adapter	soa_server1	324	
w do I 🖂							Enterprise			
Instal an enterprise application		🗄 📑 b2bui			Active	🖋 ОК	Application	soa_server1	313	
Configure an enterprise application		E BamCompos	er		New		Enterprise Application	bam_server1	500	
Update (redeploy) an enterprise application Start and stop a deployed enterprise application		E RamCQServ	ice		New		Enterprise	bam_server1	300	
Application Monitor the modules of an enterprise application		E BamServer			New		Enterprise	bam_server1	400	
Deploy EJB modules							Application	bun_perver:		
Install a Web application	E 6	E BPMCompos	ier		Active	🖋 ОК	Enterprise Application	soa_server1	385	
rstem Status 🖂		coherence-trar	saction-rar		Active	🖋 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100	
alth of Running Servers		CoherenceAda	pter		Installed		Resource Adapter		331	
Failed (0) Critical (0)		DbAdapter			Active	🖋 ок	Resource Adapter	soa_server1	322	
Overloaded (0) Warning (0)	E 6	E BefaultToD	oTaskFlow		Active	🛩 ок	Enterprise Application	soa_server1	314	
OK (2)		E OMS Applica	ition (12.1.3.0.0)		Active	🖋 ок	Web Application	AdminServer, bam_server1, soa_server1	5	
		E Ben			Active	🖋 ок	Enterprise Application	AdminServer	400	
			(12.1.0.0)		Prepared	100	Enterprise	soa_server1	500	



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

	ninistration Console 12c		Q						
Change Center	😭 Home Log Out Preferences 🖾 Record Help								
View changes and restarts	Home > Summary of Deployments > DbAdapter								
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings for DbAdapter Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes								
Domain Structure	General Properties Outbound Connection Poo	Admin Objects Workload Instrumentati	ion						
Dev1201_domain (+) Environment +> Deployments +> Security Realms (+) Interoperability	This page displays a table of Outbound Connection Pool groups and instances for this resource adapter. The top level entries in the table represent Outbound Connection Pool groups. Groups are lated by connection factory interface and the instances are lated by their JHDI names. Expand a group to obtain configuration information for a Connection Pool instance within an Outbound Connection Pool group. Click the name of a group or instance to configure it. Automatically generated Connection Pools are not displayed in the table below. Outbound Connection Pool Configuration Table								
Diagnostics	New Delete		Showing 1 to 1 of 1 Previous Next						
	🗐 Groups and Instances 🗞	Connection Factory Interface							
	javax.resource.cci.ConnectionFactory		javax.resource.cci.ConnectionFactory						
	New Delete		Showing 1 to 1 of 1 Previous Next						
How do I									
Configure outbound connection pool properties									
System Status									
Health of Running Servers									
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (2)									
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	ights reserved. and/or its affiliates. Other names may be trademarks of their resp	sective owners.							

- 3. Click 'Configuration' tab and select 'Outbound Connection Pools' under it.
- 4. Under 'Groups and Instances', click and expand 'javax.resource.cci.ConnectionFactory'.
- 5. Click 'New' and select 'javax.resource.cci.ConnectionFactory' in Outbound Connection Group.
- 6. Define 'JNDI Name' as 'eis/DB/FCCDEV' and click on 'Finish'.

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

7. Click 'DbAdapter' again. The new JNDI name is listed.



8. Click on the hyperlink 'eis/DB/FCCDEV'.

Change Center	Home Log Out P	references 🛛 Re	cord Help	Q			Welcome, weblogic	Connected to: Dev1201_doma	
View changes and restarts	Home >Summary of D	Home >Summary of Deployments >DbAdapter							
Configuration editing is enabled. Future	Settings for javax.resource.cci.ConnectionFactory								
changes will automatically be activated as you modify, add or delete items in this domain.	General Propert	es Transaction	Authentication	Connection Pool	Logging				
Domain Structure Dev1201_domain ⊕ Environment ⊡Deployments	This page allows you Outbound Connect		fy the configuration	properties of this	outbound connection pool	. Properties you modify here are save	d to a deployment plan.		
Services Security Realms	Save						Show	ing 1 to 8 of 8 Previous Next	
Interoperability Diagnostics	Property Name 4	*	Property Type	Propert	y Value		Supports Dy	namic Updates	
	DataSourceName		java.lang.String	jdbc/fcjd	vDS		false		
	DefaultNChar		java.lang.Boolean	false			false		
	PlatformClassName		java.lang.String	org.edips	e.persistence.platform.d	atabase.Oracle10Platform	false		
	SequencePreallocat	ionSize	java.lang.Integer	50			false		
	UsesBatchWriting		java.lang.Boolean	true			false		
How do I 🗉	UsesNativeSequence	ing	java.lang.Boolean	true			false		
Configure outbound connection pool	UsesSkipLocking		java.lang.Boolean	true			false		
properties	XADataSourceName		java.lang.String				false		
System Status 🖂	Save						Show	ing 1 to 8 of 8 Previous Next	
Health of Running Servers									
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (2)									

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

1.2.6 Configuring JMS Adapter

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

	dministration Console 12c		Q						
Change Center	🚹 Home Log Out Preferences 🔤 Record Help	Q	Welcome, admin Connected to: AlphaDomain						
View changes and restarts	nd restarts Home >AlphaDomain >Summary of JMS Servers								
Configuration editing is enabled. Future	Home Page								
changes will automatically be activated as you modify, add or delete items in this domain.	- Information and Resources								
Domain Structure	Helpful Tools	General Information							
AlphaDomain	 Configure applications 	 Common Administration Task Descriptions 							
Environment	 Configure GridLink for RAC Data Source 	 Read the documentation 							
Servers	 Configure a Dynamic Cluster 	 Ask a question on My Oracle Support 							
	 Recent Task Status 								
Machines	 Set your console preferences 								
Virtual Hosts	 Orade Enterprise Manager 								
Work Managers Startup and Shutdown Classes	- Domain Configurations								
Startup and Shutdown Classes	- Domain Configurations								
E -Services	Domain	Services	Interoperability						
Hessaging	Domain	Messaging	WTC Servers						
JMS Servers		 JMS Servers 	Jolt Connection Pools						
	Environment	Store-and-Forward Agents							
How do I 🗉	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	Concrete clusters Machines	XML Registries	Request Performance						
Monitor servers		XML Entity Caches	Archives						
• Horitor screets	Virtual Hosts	Foreign JNDI Providers							
System Status	Work Managers	Work Contexts	Context						
-,	 Startup And Shutdown Classes 	iCOM	SNMP						
Health of Running Servers		Mail Sessions							
Failed (0)	Your Deployed Resources		Charts and Graphs						
Critical (0)	Deployments	• FileT3	Monitoring Dashboard						
Overloaded (0)		• JTA							
Warning (0)	Your Application's Security Settings	OSGi Frameworks							
OK (2)	Security Realms								
WebLogic Server Version: 12.1.3.0.0									
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Oracle is a registered trademark of Oracle Corporatio	n and/or its affiliates. Other names may be trademarks of their re	spective owners.							



Change Center	1	🏦 Home Log Out Preferences 🐼 Record Help 🛛 🔍 Welcome, admin Connected to: AlphaDon						
View changes and restarts	17	Home >AlphaDomain >Summary of JMS Servers						
Configuration editing is enabled. Future	Summary of JMS Servers							
changes will automatically be activated as you modify, add or delete items in this domain.		JMS servers act as management containers for the que This page summarizes the JMS servers that have been Customize this table JMS Servers (Filtered - More Columns Exist)	eues and topics in JMS modules that are targeted to them. created in the current WebLogic Server domain.					
Virtual Hosts		New Delete			Showing 1 to 8	of 8 Previous Next		
Work Managers Startup and Shutdown Classes Deployments		🗖 Name 🌣	Persistent Store	Target	Current Target	Health		
-Services		BamAlertEngineJmsServer	BamAlertEngineJmsFileStore	BAMServer	BAMServer			
		BamCQServiceJmsServer_BAMServer	BamCQServiceJmsFileStore_BAMServer	BAMServer	BAMServer			
-Store-and-Forward Agents		BamReportCacheJmsServer	BamReportCacheJmsFileStore	BAMServer	BAMServer			
How do I		BamServerJmsServer_BAMServer	BamServerJmsFileStore_BAMServer	BAMServer	BAMServer			
Configure JMS servers		BPMJMSServer	BPMJMSFileStore	SOAServer	SOAServer	🖋 ОК		
Configure JMS system modules		SOAJMSServer	SOAJMSFileStore	SOAServer	SOAServer	🖋 ОК		
	1	UMSJMSServer_auto_1	UMSJMSFileStore_auto_1	BAMServer	BAMServer			
System Status		UMSJMSServer_auto_2	UMSJMSFileStore_auto_2	SOAServer	SOAServer	🖋 ОК		
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)	-	New			Showing 1 to 8	of 8 Previous Next		

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

	Iministration Console 12c	Q
Change Center	🏠 Home Log Out Preferences 🔤 Record Help	Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >AlphaDomain >Summary of JMS Servers	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JHS Server Book Ned, Finsh Cancel	
Domain Structure	JMS Server Properties	
AphaDomain -Environment -Servers -Clusters	The following properties will be used to identify your new 2MS Server. * Indicates required fields	
Coherence Clusters Machines Virtual Hosts Vork Managers Startua and Shutdown Classes	What would you like to name your new JMS Server?	
	Specify persistent store for the new JMS Server. Persistent Store: SOA_JMSFIleStore Create a New Store	
How do L	Back Next Final Cancel	
Configure JMS system modules		
Configure custom persistent stores		
System Status		
Health of Running Servers		
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (2)		
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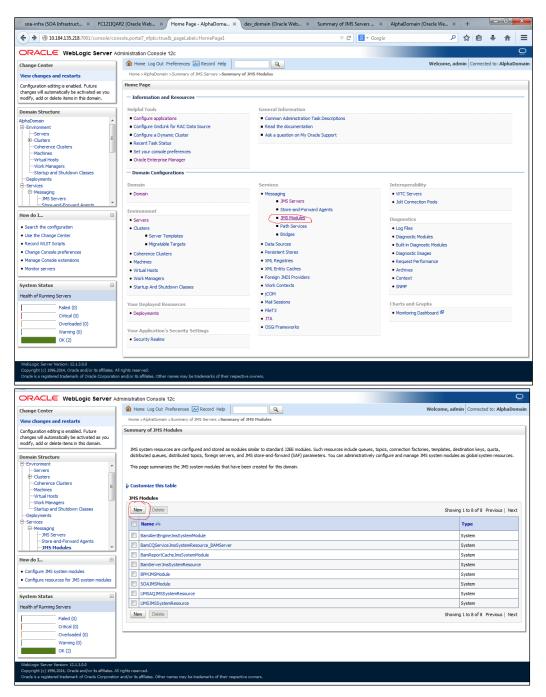


12. Select the target as SOA Server \rightarrow Finish

	Administration Console 12c				Õ
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Q		Welcome, adm	in Connected to: AlphaDomai
View changes and restarts	Home >AlphaDomain >Summary of JMS Servers				
Configuration editing is enabled. Future	Create a New JMS Server				
changes will automatically be activated as you modify, add or delete items in this domain.	Back Next Finish Cancel				
Domain Structure	Select targets				
-Environment	Select the server instance or migratable target on which	you would like to deploy this JMS Server.			
Servers E-Clusters	Target: SOAS	erver 💌			
Coherence Clusters	Back Next Finish Cancel				
Virtual Hosts					
Work Managers Startup and Shutdown Classes					
Deployments El-Services					
Messaging					
How do I	1				
Configure JMS system modules					
Configure custom persistent stores					
	1				
System Status					
Health of Running Servers					
Failed (0)					
Critical (0) Overloaded (0)					
Warning (0)					
OK (2)					
WebLogic Server Version: 12.1.3.0.0					
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					0
ORACLE WebLogic Server Ad	ministration Console 12c			Webers adapts	<u> </u>
Change Center	Home >AlphaDomain >Summary of JMS Servers	Q		Welcome, admin Conr	ected to: AlphaDomain
View changes and restarts Configuration editing is enabled. Future	Messages				
changes will automatically be activated as you	All changes have been activated. No restarts are necessar	у.			
modify, add or delete items in this domain.	JMS Server created successfully				
Domain Structure	Summary of JMS Servers				
AlphaDomain					
Servers El-Clusters	JMS servers act as management containers for the queues an				
Coherence Clusters	This page summarizes the JMS servers that have been create	d in the current WebLogic Server domain.			
Virtual Hosts	Customize this table				
Work Managers Startup and Shutdown Classes	JMS Servers (Filtered - More Columns Exist)				
Deployments Deployments					
-Messaging -JMS Servers	New Delete				of 9 Previous Next
Store-and-Forward Agents	🗐 Name 🏟	Persistent Store	Target	Current Target	Health
How do I	BamAlertEngineJmsServ Sort table by Name	BamAlertEngineJmsFileStore	BAMServer	BAMServer	
Configure JMS servers	BamCQServiceJmsServer_BAMServer	BamCQServiceJmsFileStore_BAMServer	BAMServer	BAMServer	
Configure JMS system modules	BamReportCacheJmsServer BamServerJmsServer_BAMServer	BamReportCacheJmsFileStore BamServerJmsFileStore_BAMServer	BAMServer BAMServer	BAMServer BAMServer	
System Status	BPMJMSServer	BAMSErVerUmshiestore_BAMserVer	SOAServer	SOAServer	≪ ok
Health of Running Servers	FCUBSJMSServer	SOAJMSFileStore	SOAServer	SOAServer	₹ OK
Failed (0)	SOAJMSServer	SOAJMSFileStore	SOAServer	SOAServer	≪ ok
Critical (0)	UMSJMSServer_auto_1	UMSJMSFileStore_auto_1	BAMServer	BAMServer	
Overloaded (0)	UMSJMSServer_auto_2	UMSJMSFileStore_auto_2	SOAServer	SOAServer	✓ OK
Warning (0) OK (2)	New Delete			Showing 1 to 9	of 9 Previous Next
WebLogic Server Version: 12.1.3.0.0					
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4. Go back to Console →JMS Modules→New





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

Change Center	dministration Console 12c Q
	🏦 Home Log Out Preferences 🔤 Record Help 📃 🔍 Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modules
Configuration editing is enabled. Future	Create JH5 System Module
changes will automatically be activated as you modify, add or delete items in this domain.	Back Next Finish Cancel
Domain Structure	The following properties will be used to identify your new module.
AlphaDomain ^	The following properties will be used to neerilary your new module.
Environment	JMS system resources are configured and stored as modules similar to standard JZEE modules. Such resources include queues, topics, connection factories, templates, destination keys, quota, distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage. JMS system modules as global system resources.
Clusters Coherence Clusters	* Indicates required fields
Machines Virtual Hosts	- industes required neos
Work Managers	What would you like to name your System Module?
Startup and Shutdown Classes	* Name: FCUBSJMSModule
-Services -Messaging	
JMS Servers	What would you like to name the descriptor file name? If you do not provide a name, a default will be assigned.
How do I	Descriptor File Name:
Configure JMS system modules	Where would like to place the descriptor for this System Module, relative to the jms configuration sub-directory of your domain?
Configure JMS system modules Configure JMS servers	
	Location In Domain:
System Status	Back Next Finish Cancel
Health of Running Servers	
Failed (0) Critical (0)	
Overloaded (0)	
Warning (0)	
OK (2)	
WebLogic Server Version: 12.1.3.0.0	
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	Administration Concels 12a
	Administration Console 122 Welcome, admin Connected to: Ali
Change Center	welcome, admini confected to All
	Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modules
View changes and restarts	Hone >AlphaDonain >Summary of JMS Servers >Summary of JMS Modules Create JMS System Module
Configuration editing is enabled. Future changes will automatically be activated as you	Create JMS System Module
Configuration editing is enabled. Future	
Configuration editing is enabled. Future changes will automatically be activated as you	Create JMS System Module
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain	Create JHS System Hodule Back Nest Frein Cance The following properties will be used to target your new JHS system module.
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain B- Environment I-Servers	Create JMS System Module Back Net Printh Cancel
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AphaDoman B-Environment B-Environment B-Environ	Create JHS System Hodule Back Net Finith Cance The following properties will be used to target your new JHS system module. 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.
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain G-Environment G-Environment G-Coherence Clusters Machines	Create JHS System Hodule Back Nest Frein Cance The following properties will be used to target your new JHS system module.
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain EP-Environment EP-Environment B-Cutters IP-Coherence Clusters IP-Coherence Clusters IP-Winaul Hosts	Create JMS System Module Back Net Finith Cancel The following properties will be used to target your new JMS system module. 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. Targets :
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AbhaDomain B-Environment B-Couters	Create JHS System Hodule Back Net Finith Cance The following properties will be used to target your new JHS system module. 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.
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain B-Environment B-Clutters Osherence Clutters Work Managers Wirkual Hosts Work Managers	Create JMS System Module Back Net Finith Cancel The following properties will be used to target your new JMS system module. 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. Targets :
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain B-Environment B-Clutters Coherence Clutters Vorkinagers Virtual Hosts Vorkinagers Vorkinagers Deployments B-Services B-Services	Create JHS System Hodule Back Net Finith Cancel The following properties will be used to target your new JHS system module. 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. Targets : Servers
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain B-Environment H-Servers B-Columens H-Columen	Create JHS System Module Back Net Finith Cance The following properties will be used to target your new JHS system module. Use this page to select the server or duster on which you would like to deploy this JHS system module. You can reconfigure targets later if you wish. Targets : Servers AdminServer
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain G-Environment G-Environment G-Environment G-Cohreence Clusters — Ocherence Clusters — Writual Hosts — Writual Hosts — Writual Hosts — Writual Hosts — Work Managers — Starburg and Shutdown Classes — Deployments — Services — Hessaging — Hessaging — Hessaging — Hessaging	Create JHS System Module Back Net Finith Cance The following properties will be used to target your new JHS system module. Use this page to select the server or duster on which you would like to deploy this JHS system module. You can reconfigure targets later if you wish. Targets : Servers AdminServer
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain G-Environment G-Environment G-Cenvers B-Cutters H-Cutters H-Coherence Cutters H-With Hosts H-Wick Managers Starbus di Shutdown Classes H-Deployments G-Hessaging H-Services G-Hessaging H-MS Servers Starbus exol. Environment How do L.	Create JHS System Hodule Back Net Frief Cancel The following properties will be used to target your new JHS system module. 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. Targets : Servers AdminiServer AdminiServer Cancel
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain — Services — Coherence Clusters — With Josts — With Josts — Work Managers — Starbush Albots — Starbush Albots — Services — Services — Services	Create JHS System Hodule Back Net Frief Cancel The following properties will be used to target your new JHS system module. 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. Targets : Servers AdminiServer AdminiServer Cancel
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain B-Environment B-Couters H-Coherence Clusters H-Coherence Clusters H-Winaul Hosts H-Wink Managers Startup and Shutdown Classes H-Deployments Startup and Shutdown Classes H-Deployments Startup and Shutdown Classes H-Services H-Messaging H-Messagi	Create JHS System Hodule Back Net Back Net The following properties will be used to target your new JHS system module. 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. Targets : Servers AdminServer SOAServer Back Net Back Net
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Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain G-Environment H-Grevers B-Cutters H-Coherence Custers H-Grevers H-Grevers H-With Hosts H-Wick Managers Structure al Shutdown Classes H-Services B-Hessaging B-Hessaging B-Hessaging H-Services B-Hessaging B-He	Create JHS System Hodule Back Net Back Net The following properties will be used to target your new JHS system module. 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. Targets : Servers AdminServer SOAServer Back Net Back Net
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Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain - Genvers - Genvers - Coherence Clusters - Machines - Wick Managers - Work Managers - Startup and Shutdown Classes - Octopiante - Services - Servi	Create JHS System Hodule Back Net Back Net The following properties will be used to target your new JHS system module. 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. Targets : Servers AdminServer SOAServer Back Net Back Net
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Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain - Servers - Servers - Otherence Clusters - Work Managers - Startup and Shutdown Classes - Depolyments - Work Managers - Startup and Shutdown Classes - Depolyments - Work Managers - Startup and Shutdown Classes - Depolyments - Whesaging - MS Servers - Structure - Struct	Create JHS System Hodule Back Net Back Net The following properties will be used to target your new JHS system module. 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. Targets : Servers AdminServer SOAServer Back Net Back Net
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain Environment Gervens Coherence Clutters Golderence Clutters Work Managers Work Managers Work Managers Strubu and Shutdown Classes Deployment Strubu and Shutdown Classes Strubu an	Create JHS System Hodule Back Net Back Net The following properties will be used to target your new JHS system module. 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. Targets : Servers AdminServer SOAServer Back Net Back Net
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain - Servers - Servers - Otherence Clusters - Work Managers - Startup and Shutdown Classes - Depolyments - Work Managers - Startup and Shutdown Classes - Depolyments - Work Managers - Startup and Shutdown Classes - Depolyments - Whesaging - MS Servers - Structure - Struct	Create JHS System Module Back Net Ite following properties will be used to target your new JHS system module. 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 wich. Targets : Servers Adminiserver SoAServer Back Net Heat Net



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Change Center	🔒 Home Log Out Preferences 🔤 R	ecord Help	Q	Welcome,	admin Connected to: AlphaDomain		
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 & All changes have been activated. N & The JMS module was created succe	lo restarts are necessary					
Domain Structure	Settings for FCUBSJMSModule						
Environment Servers D-Clusters Coherence Clusters Machines			dule and its resources. It also allows you to	configure new resources and access existing resources.			
Virtual Hosts Work Managers	Name:	The name of this JMS system module. More	: Info				
Startup and Shutdown ClassesDeploymentsServices DMessagingMS Servers	Descriptor File Name: yms/frabsignemodule-jms.xml The name of the JMS module descriptor file. More Info This page summarizes the JMS resources that have been created for this JMS system module, including queue and topic destinations, connection factories, JMS templates, destination sort keys, destination quets, databuted destinations, foreign servers, and store-and-forward parameters.						
How do I	Customize this table						
System Status	New Delete			SH	nowing 0 to 0 of 0 Previous Next		
Health of Running Servers	🔲 Name 🗞	Туре	JNDI Name	Subdeployment	Targets		
Failed (0)			There are no items t	o display			
Critical (0) Overloaded (0) Warning (0) OK (2)							
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1. Go back to JMS Modules→FCUBSJMSModule→New

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Change Center	🔒 Home Log Out Preferences 🖂 R	tecord Help	٩	Welcome	, admin Connected to: AlphaDomain
View changes and restarts	Home >AlphaDomain >Summary of JMS Modules >FCUBSJMSModule	Servers >Summary of JMS	Modules > FCUBSJMSModule > Summar	y of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >	FCUBSJMSModule >Summary of JMS
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for FCUBSJMSModule				
modify, add or delete items in this domain.	Configuration Subdeployments	Targets Security N	otes		
Domain Structure AlphaDomain	This page displays general information	n about a JMS system moi	dule and its resources. It also allows y	ou to configure new resources and access existing resources.	
-Clusters	Name:	FCUBS	JMSModule	The name of this JMS system module. Mo	re Info
How do L.	Descriptor File Name: This page summarizes the 2MS resour destination quota, distributed destina Customize this table Summary of Resources New Delete	ces that have been creat		The name of the 3MS module descriptor file ng queue and topic destinations, connection factories, 3MS temp	
No task help found.	□ Name ↔	Туре	JNDI Name	Subdeployment	Targets
System Status 🖂			There are no it		-
Health of Running Servers Failed (0) Orbital (0) Overloaded (0) Warning (0) OK (2)	New Delete				Showing 0 to 0 of 0 Previous Next
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation		emarks of their respective o	vners.		

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2. Click on Connection Factory \rightarrow next \rightarrow Create the connection Factory with the below Names \rightarrow Next

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Change Center	🔒 Home Log Out Preferences 📐 Record Help	Q	Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >AlphaDomain >Summary of JMS Servers >Summ JMS Modules >FCUBSJMSModule	ary of JMS Modules > FCUBSJMSModule >	Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >Summary of
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	Choose the type of resource you want to crea	-+-	
AlphaDomain Gravitorment Servers Coherence Clusters Vacharias Virtual Hosts	Use these pages to create resources in a JMS system Depending on the type of resource you select, you a factories, distributed queues and topics, foreign serv	n module, such as queues, topics, templ re prompted to enter basic information : rers, and JMS SAF destinations, you car	tes, and connection factories. or creating the resource. For targetable resources, like stand-alone queues and topics, connection also proceed to targeting pages for selecting appropriate server targets. You can also associate 5 module resources and the members to server resources.
	Connection Factory		Defines a set of connection configuration parameters that are used to create connections for JMS clents. More Info
-Messaging JMS Servers Store-and-Forward Agents	🔘 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	🔘 Торіс		Defines a publich/pubscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info
Configure destination 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	O 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 ${\rm Info}\ldots$
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
OK (2)	SAF Imported Destinations		Defines a collection of imported store-and forward [SAP] destrabilitions. A SAP destination is a representation of a queue or topic in a remote server instance or cluster that is imported into the local cluster or server instance, so that the local server instance or the local cluster or server instance, server instance or cluster. When Enforc
	Remote SAF Context		Defines the URL of the remote server instance or duster where a JMS

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Change Center	🔒 Home Log Out Preferences 🔤 Record I	Help	Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >AlphaDomain >Summary of JMS Servers Modules >FCUBSJMSModule	s >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Mod	lules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >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 Resour	rce	
Domain Structure			
AlphaDomain	Connection Factory Properties The following properties will be used to identif * Indicates required fields	ify your new connection factory. The current module is FCUBSJMSMo	dule.
Machines Virtual Hosts	What would you like to name your new connec	ction factory?	
Work Managers Startup and Shutdown Classes	* Name:	UBSConnectionfactory	
DeploymentsServicesMessaging	What JNDI Name would you like to use to look	up your new connection factory?	
JMS Servers Store-and-Enrward Agents	JNDI Name:	jndi/FCUBSConnectionfactory	
How do I	The Connection Factory Subscription Sharing P	Policy Subscribers can be used to control which subscribers can acces	ss new subscriptions. Should subscriptions created using this factory be sharable?
Configure quotas for destinations Configure JMS templates	Subscription Sharing Policy:	Exclusive -	
Configure destination keys Configure topics		an one JMS connection can use the same Client ID. Oracle recommen policies are always treated as independent subscriptions. What Client	nds setting the Client ID policy to Unrestricted if sharing durable subscribers. t ID Policy would you like to use?
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 m	nessages that can queued for an asynchronous session. Should this o	connection factory impose a limit?
Configure foreign servers Configure JMS SAF	Maximum Messages per Session:	10	
System Status	Should this connection factory create sessions	s that are JTA aware, and create XA queues and XA topics?	
System Status Health of Running Servers	XA Connection Factory Enabled		
Failed (0) Critical (0)	Back Next Finish Cancel		
Overloaded (0) Warning (0) OK (2)			
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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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Change Center	🏦 Home Log Out Preferences 🖾 Record Help
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 JHS System Module Resource Back Test Frish Advanced Targeting Cancel
Domain Structure	
AlphaDomain	The following properties will be used to target your new JMS system module resource
Environment Servers Ousters Coherence Clusters	Use this page to view and accept the default targets where this IMS resource will be targeted. The default targets are based on the parent IMS 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.
Machines Virtual Hosts Work Managers	The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retargeted appropriately.
	Targets :
Services	
E-Messaging	Servers
	SOAServer
How do L	
Configure quotas for destinations	Back Next Fnish Advanced Targeting Cancel
Configure JMS templates	
Configure destination keys	
Configure topics	
Configure queues	
Configure connection factories	
Configure uniform distributed topics	
Configure uniform distributed queues	
Configure foreign servers	
Configure JMS SAF	
System Status	
Health of Running Servers	
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)	
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Change Center	🖀 Home Log Out Preferences 🖾 Record Help
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 JHS System Hodule Resource Back Finith Cancel
Domain Structure AlphaDomain	The following properties will be used to target your new JHS system module resource Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, cluster, or SAF agent. Threesary, you can create a new subdeployment by cliding the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment management page.
Virtual HostsVirtual HostsVortual HostsStrutup and Shutdown ClassesDeploymentsDeploymentsDeploymentsDeployments	Select the subdeployment you want to use. If you select (none), no targeting will coar. Subdeployments: [(none)] [Cavate a New Subdeployment]
How do L	What targets do you want to assign to this subdeployment? Targets :
Configure JMS templates Configure destination keys Configure topics	Back Net Finin Carcel
Configure queues Configure connection factories Configure uniform distributed topics Configure uniform distributed queues	
Configure foreign servers Configure JMS SAF System Status	
Health of Running Servers	
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)	
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View changes and restarts Hone >Summary of JMS Modules >FCUBSINMSHodule >FCUBSINMSHodule >SUMMary of JMS Modules >FCUBSINMSHodule >FCUBSINMSHODUL >FCUBSINMSHOD	
Configuration editing is enabled, Future thorage will automatically be activated as you modify, add or delete items in this domain.	1
Domain Structure	
AbbaDomain Subdeployment Properties	
Devicement The following properties will be used to identify your new subdeployment.	
D-Outers E Subdeployment Name: FCUBS	
Madrine OK Canel	
- Virbal Hosts Unit California	
- Work Managers	1
-Deployments	
E>Hessaging i → INS Servers	
Stree-and-Forward Agents	
tow do L.	
Configure quotas for destinations	
Configure JMS templates	
Configure destination keys	
Configure topics	
Configure queues	
Configure connection factories	
Configure uniform distributed topics	
Configure uniform distributed queues	
Configure foreign servers	
• Configure JMS SAF	
System Status	
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Faled (0)	
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Change Center	Home Log Out Preferences 🔤 Record Help Gonnected to: a	AlphaDomain
View changes and restarts	Home >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >FCUBSGonnectionfactory >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >placeholder	
Pending changes exist. They must be activated to take effect. You may activate them now. Otherwise, they will be automatically activated when you next modify, add or delete items in	Create a New JHS System Module Resource	
this domain. Activate Changes	The following properties will be used to target your new JHS system module resource	
Undo All Changes	Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JNS resources are grouped and targeted to a server instance, r SAF agent. If necessary, you can create a new subdeployment by clicing the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using th	
Domain Structure	module's subdeployment management page.	
AlphaDomain	Select the subdeployment you want to use. If you select (none), no targeting will occur.	
Clusters Coherence Clusters Coherence Clusters Machines	Subdeployments: FCUBS Ceate a New Subdeployment	
Virtual Hosts Work Managers	What targets do you want to assign to this subdeployment?	
Startup and Shutdown Classes Deployments Services	Targets :	=
-Messaging -JMS Servers -Store-and-Forward Agents -	Servers	
How do L.	SOAServer	
Configure guotas for destinations	JMS Servers	
Configure JMS templates Configure destination keys	BPHJMSServer	
Configure topics	FCUBSJMSServer	
Configure queues Configure connection factories	SOAJMSServer	
Configure uniform distributed topics		
 Configure uniform distributed queues Configure foreign servers 	UMSJMSServer_auto_2	
Configure INE SAF	Back Next Frish Cancel	
System Status 🗉		
Health of Running Servers		
Failed (0)		
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Change Center	🔒 Home Log Ou	t Preferences 📐	Record He	P	٩			Welcome,	admin Connected to: AlphaD	omain
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.		Messages ✓ All changes have been activated. No restarts are necessary. ✓ Connection factory created successfully.								
Domain Structure	Settings for FCU	, CIMCMadula								-
AlphaDomain Environment Conservers Conservers Conservers Environment Envivent Environment Environment Envitent Environment	_	Subdeployments	Targets	Security	Notes					
	This page displa	This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and access existing resources.								
Work Managers Startup and Shutdown Classes	Name: FCUBSJMSModule					The name of	The name of this JMS system module. More Info			
DeploymentsServicesMessagingJMS ServersStore-and-Forward Agents *	Descriptor File Name: jms/fcubsjmsmodule jms.xml This page summarizes the JMS resources that have been created for this JMS system module, including queue and to destination audia. distributed destinations, foreion servers, and store and forward parameters.					The name of the JMS module descriptor file. More Info topic destinations, connection factories, JMS templates, destination sort keys,				
How do I No task help found.	Customize thi									
	Summary of R	esources								
System Status Health of Running Servers	New Dele							s	howing 1 to 1 of 1 Previous Ne	ext
Failed (0)	🔲 Name 🗇			Туре		JNDI Name		Subdeployment	Targets	
Critical (0)	FCUBSCon	nectionfactory		Connection	on Factory	jndi/FCUBSConnectionfactory		FCUBS	FCUBSJMSServer	
Overloaded (0) Warning (0)	New Delete Showing 1 to 1 of 1 Previous Next									
OK (2)										
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Change Center	🔒 Home Log Out Preferences 🔤 Record Hel				min Connected to: AlphaDomain
View changes and restarts	Home >Summary of JMS Modules >FCUBSJMSMode Modules >FCUBSJMSModule >placeholder	ule >Summary of JMS Modules >FCUE	ISJMSModule >FCUBSConnectionfactory >Summary of	f JMS Modules > FCUBSJMSModule >	Summary of JMS
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Messages All changes have been activated. No restarts	are necessary.			
Domain Structure	Connection factory created successfully.				
AlphaDomain 🔺	Settings for FCUBSJMSModule				
-Environment -Servers E Clusters E	Configuration Subdeployments Targets	Security Notes			
er-Custers Coherence Clusters Machines Virtual Hosts	This page displays general information about a 2	IMS system module and its resource	s. It also allows you to configure new resources and	access existing resources.	
Work Managers Startup and Shutdown Classes	Name:	FCUBSJMSModule	The name of	this JMS system module. More Inf	fo
DeploymentsServicesJMS ServersJMS ServersJMS ServersJMS Servers			m module, including queue and topic destinations, c	the JMS module descriptor file. M	
How do I	destination quota, distributed destinations, fore	ign servers, and store-and-forward	parameters.		
No task help found.	Customize this table				
	Summary of Resources				
System Status	New Delete			Showi	ing 1 to 1 of 1 Previous Next
Health of Running Servers Failed (0)	🔲 Name 🏟	Туре	JNDI Name	Subdeployment	Targets
Critical (0)	FCUBSConnectionfactory	Connection Factory	jndi/FCUBSConnectionfactory	FCUBS	FCUBSJMSServer
Overloaded (0) Warning (0)	New Delete			Showi	ing 1 to 1 of 1 Previous Next
OK (2)					
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4. Go back to console \rightarrow Click on JMS Modules \rightarrow New \rightarrow check on Queue \rightarrow next

Coherence ClustersMachinesVirtual HostsVirtual HostsWork Managers	factories, distributed queues and topics, foreign servers, and JMS SAF de	Depending on the type of resource you select, you are prompted to enter basic information for creating the resource. For tragetable resources, like stand-alone queues and topics, connection factories, distributed queues and topics, foreing arevers, and MS SAF detaintons, you can also proceed to targeting pages for selecting appropriate server targets. You can also associate targetable resources with subdeployments, which is an advanced mechanism for grouping JMG module resources and the members to server resources.							
	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info							
☐-Messaging JMS Servers Store-and-Forward ∆nents	© 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	© Торіс	Defines a publicly/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 destination 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	O 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							
	© 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							
OK (2)	SAF Imported Destinations	Defines a collection of imported store-end-forward (SAP) destinations. A SAP destination is a representation of a queue or topic in a remote server instance or duster that is imported in 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								



 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

	Iministration Console 12c					Ģ	þ
Change Center	A Home Log Out Prefere	nces 🛃 Record Help		Q		Welcome, admin Connected to: AlphaDoma	in
View changes and restarts	Home >Summary of JMS Mo Modules >FCUBSJMSModule		>Summary of JMS Mo	dules >FCUBSJMSMod	lule >FCUBSConnectionfact	ory >Summary of JMS Modules >FCUBSJMSModule >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 Syster Back Next Finish						1
Domain Structure							
AlphaDomain Environment Servers Coherence Clusters Machines -Vitual Hosts	JMS Destination Prope The following properties w * Indicates required fields		r new Queue. The c	urrent module is FCUB	SJMSModule.		
Work Managers Startup and Shutdown Classes	* Name:	NOTIFY_DEST_C	UEL				
Deployments Services Messaging	JNDI Name:	jms/NOTIFY_DES	T_QUEUE				
JMS Servers Store-and-Forward Agents	Template:	None 💌					
How do I 🗉	Back Next Finish	Cancel					
Configure quotas for destinations							
Configure JMS templates							-
Configure destination keys							
Configure topics							
Configure queues Configure connection factories							
Configure uniform distributed topics							
Configure uniform distributed queues							
Configure foreign servers							
Configure JMS SAF							
System Status							
Health of Running Servers							
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (2)							
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Change Center	😭 Home Log Out Preferences 🔤 Record Help	<u> </u>	Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >Summary of JMS Modules >FCUBSJMSModule >Summary of J Modules >FCUBSJMSModule > placeholder	MS Modules > FCUBSJMSModule > FCUBSConnectionfactory > Summ	ary of JMS Modules >FCUBSJMSModule >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		
AlphaDomain -Environment -Servers		dule resource. A subdeployment is a mechanism by which JMS res	sources are grouped and targeted to a server instance, cluster, or
Coherence Clusters Coherence Clusters Machines Virtual Hosts	module's subdeployment management page.		also reconfigure subdeployment targets later by using the parent
Work Managers Startup and Shutdown Classes Deployments	Select the subdeployment you want to use. If you select (none), n Subdeployments: FCUBS	io targeting will occur. Create a New Subdeployment	
Services	What targets do you want to assign to this subdeployment?		
How do I	Targets :		
Configure quotas for destinations	JMS Servers		
Configure JMS templates Configure destination keys	BPMJMSServer		
Configure topics	FCUBSJMSServer		
Configure queues	• FC085JFISServer		
Configure connection factories Configure uniform distributed topics	© SOAJMSServer		
Configure uniform distributed queues	© UM5JM5Server_auto_2		
Configure foreign servers			
Configure JMS SAF	Back Next Finish Cancel		
System Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0) Warning (0)			
OK (2)			
WebLogic Server Version: 12.1.3.0.0			
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	Iministration Console 12c		Q
Change Center	🔒 Home Log Out Preferences 🖾 Record Help	Q.	Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >Summary of JMS Modules >FCUBSJMSModule >Summary of J Modules >FCUBSJMSModule >placeholder	MS Modules > FCUBSJMSModule > FCUBSConnectionfactory > Summ	ary of JMS Modules > FCUBSJMSModule > Summary of JMS
Configuration editing is enabled. Future changes will automatically be activated as you	Messages		

View changes and restarts	Modules >FCUBSJMSModule >placeholder	House yournary or ship House y	Constrained in Constant and the Constant	y of SHO Housing of Cousting Housing	r yournary or sho
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Messages All changes have been activated. No res				
Domain Structure	The JMS Queue was created successful	/			
AlphaDomain	Settings for FCUBSJMSModule				
-Environment -Servers	Configuration Subdeployments Targ	ets Security Notes			
Clusters Coherence Clusters Machines Virtual Hosts	This page displays general information abo	ut a JMS system module and its reso	urces. It also allows you to configure new resources	and access existing resources.	
Work Managers Startup and Shutdown Classes	Name:	FCUBSJMSModule	The name	of this JMS system module. More	Info
Deployments Services Messaging	Descriptor File Name:	jms/fcubsjmsmodule-jn	ns.xml The name	of the JMS module descriptor file.	More Info
How do L	This page summarizes the JMS resources th destination quota, distributed destinations		ystem module, including queue and topic destination ward parameters.	s, connection factories, JMS templat	xes, destination sort keys,
	Summary of Resources				
System Status	New Delete			Shr	owing 1 to 2 of 2 Previous Next
Health of Running Servers Failed (0)	Name 🌣	Туре	JNDI Name	Subdeployment	Targets
Critical (0)	FCUBSConnectionfactory	Connection Factory	jndi/FCUBSConnectionfactory	FCUBS	FCUBSJMSServer
Overloaded (0)	NOTIFY_DEST_QUEUE	Queue	jms/NOTIFY_DEST_QUEUE	FCUBS	FCUBSJMSServer
Warning (0) OK (2)	New Delete			Sho	owing 1 to 2 of 2 Previous Next
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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)



 E (DMS Application (12.1.3.0.0)	Active	🖋 ОК	Web Application	AdminServer, BAMServer, SOAServer	5
	em	Active	🖋 ок	Enterprise Application	AdminServer	400
•	-CUBSAppIUT (12.1.0.0.0)	Active	/▲ Warning	Enterprise Application	SOAServer	600
🗆 🧔 File/	Adapter	Active	🖋 ок	Resource Adapter	SOAServer	321
• • •	τεννο	Active	🖋 ок	Enterprise Application	SOAServer	100
■ Ø ^{Ftp/}	Adapter	Active	🖋 ок	Resource Adapter	SOAServer	325
•	SWWebServices (12.1.0.0.0)	Active	🖋 ок	Enterprise Application	SOAServer	600
□ Ø JDE	WorldAdapter	Installed		Resource Adapter		333
V 🧟 <u>]ms</u>	Adapter	Active	🖋 ок	Resource Adapter	SOAServer	323
🗌 👼 Ldaj	oAdapt JmsAdapter, Level 1, 19 of 46	Installed		Resource Adapter		332
□ ⊘ MQ3	SeriesAdapter	Active	🖋 ок	Resource Adapter	SOAServer	327
	1QAdapter	Installed		Resource Adapter		334
•	DAAPredictionService	Active	🖋 ок	Enterprise Application	SOAServer	100
🗌 🤯 Ora	deAppsAdapter	Active	🖋 ок	Resource Adapter	SOAServer	328
🗌 🤯 Ora	deBamAdapter	Installed		Resource Adapter		329
•	DradeBPMBACServerApp	Active	🖋 ок	Enterprise Application	SOAServer	384
•	DradeBPMComposerRolesApp	Active	🖋 ок	Enterprise Application	SOAServer	382
	DradeBPMProcessRolesApp	Active	🖋 ок	Enterprise Application	SOAServer	381
•	DracleBPMWorkspace	Active	🖋 ок	Enterprise Application	SOAServer	383
SAP	Adapter	Installed		Resource Adapter		335
• • •	SimpleApprovalTaskFlow	Active	🖋 ок	Enterprise Application	SOAServer	386
	ea-infra	Active	🖋 ок	Enterprise Application	SOAServer	350
	soa-webapps	Active	🖋 ок	Enterprise	SOAServer	360

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



View changes and restarts		CUBSConnectio		Modules >	FCUBSJMSMod	lule >Summa	ry of J	MS Modules >FCl	IBSJMSMo	odule >placeholder >Summary of Deployments >JmsAdapter >Summary of
Configuration editing is enabled. Future changes will automatically be activated as you	Settings f	for JmsAdap	ter							
modify, add or delete items in this domain.										
moury, and or delete remain one domain.	Overview	Deploymen	nt Plan Configuration	Security	y Targets	Control	Testir	ng Monitoring	Notes	
Domain Structure	General	Properties	Outbound Connection	Pools	Admin Object	s Workloa	ad	Instrumentation		
B-Clusters = Coherence Clusters Machines Virtual Hosts Virtual Hosts Vork Nanagers Dealowments	Connect	tion Pool group		or instan						figuration information for a Connection Pool instance within an Outbound is are not displayed in the table below. Showing 1 to 1 of 1 Previous
-Services -Messaging	G	roups and In	stances 🗠					Co	nnectio	n Factory Interface
JMS Servers	E	orade.tip.ada	apter.jms.IJmsConnectionF	actory				ora	de.tip.ad	lapter.jms.IJmsConnectionFactory
		eis/activemq/	Queue					ora	de.tip.ad	lapter.jms.IJmsConnectionFactory
How do I		eis/aqjms/EDN	NLocalTxDurableTopic					ora	de.tip.ad	lapter.jms.IJmsConnectionFactory
 Configure outbound connection pool 		eis/aqjms/EDM	LocalTxTopic					ora	de.tip.ad	lapter.jms.IJmsConnectionFactory

Configure outbound connection pool
properties

Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)

System Status

Health of Running Servers

-

isted b Connec	y connection fa tion Pool group	ctory interface and the instances ar 0. Click the name of a group or instar	e listed by their JI	VDI names. E	xpand a group to	The top level entries in the table represent Outbound Connection Pool groups. Groups are obtain configuration information for a Connection Pool instance within an Outbound nection Pools are not displayed in the table below.
New	Delete	on Pool Configuration Table				Showing 1 to 1 of 1 Previous Next
	roups and In	stansas A				Connection Factory Interface
G	roups and in	stances ∾				Connection Factory Interface
E	oracle.tip.ada	apter.jms.IJmsConnectionFactory				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/activemq/	Queue				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/aqjms/EDI	NLocalTxDurableTopic				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/aqjms/EDI	NLocalTxTopic				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/aqjms/EDI	NxaDurableTopic				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/aqjms/EDI	NxaTopic				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/aqjms/Qu	eue				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/aqjms/Top	ic				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/fioranomq	/Topic				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/jbossmq/0	Queue				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/jms/aiaB2	BQueueCF				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/jms/aiaErr	orTopicCF				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/pramati/Q	ueue				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/sunmq/Qu	eue				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/tibjms/Qu	eue				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/tibjms/Top	sic				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/tibjmsDire	ct/Queue				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/tibjmsDire	ct/Topic				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/webspher	emq/Queue				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/wls/EDNLc	calTxDurableTopic				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/wls/EDNLc	calTxTopic				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/wls/EDNxa	aDurableTopic				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/wls/EDNxa	аТоріс				orade.tip.adapter.jms.IJmsConnectionFactory
	eis/wls/Queu					orade.tip.adapter.jms.IJmsConnectionFactory

*

Change Center	🟦 Home Log Out Preferences 🖾 Record Help
View changes and restarts	Home >FCUBSJMSModule >placeholder >Summary of Deployments >JmsAdapter >Summary of Deployments >JmsAdap
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Back Frish Cancel
Domain Structure	Outbound Connection Group
phaDomain Environment Servers	In which outbound connection group do you want to create an instance? Outbound Connection Groups
-Clusters Coherence Clusters	Showing 1 to 1 of 1 Previous Next
Machines Virtual Hosts	Outbound Connection Group A
Work Managers Startup and Shutdown Classes	orade.tip.adapter.jms.llmsConnectionFactory
Deployments	Showing I to 1 of 1 Previous Next
⇒Services →Messaging →JMS Servers ⇒Store-and-Enrward Agents	Back Ned Finish Cancel
łow do I 🖃	
Configure outbound connection pool properties	
ystem Status	
ealth of Running Servers	
Failed (0) Critical (0)	
Overloaded (0) Warning (0)	
OK (2)	



	dministration Console 12c		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home > FCUBSJMSModule > placeholder > Summary of I	Jeployments >JmsAdapter >Summary o	f Deployments >JmsAdapter >Summary of Deployments >JmsAdapter >Summary of Deployments > JmsAdapter
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Outbound Connection Back Next Finish Cancel		
Domain Structure	JNDI name for Outbound Connection Instance	De	
AlphaDomain	Enter the JNDI name that you want to use to obtain * Indicates required fields) the new connection instance	
Machines Virtual Hosts Work Managers Startup and Shutdown Classes	The Outbound Connection instance represents a con	nection pool. The JNDI name can be e	used to obtain the pool at runtime.
DeploymentsServicesMessagingMS ServersMS ServersStrice-and-Encourd Agents *	Back Next Finish Cancel		
How do I			
Configure outbound connection pool properties			
System Status			
Health of Running Servers			
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)			

Isted by connection factory interface and the instances are listed by their JNDI names. Expand a group to obtain configuration information for a Connection Pool instance within an Outbound Connection Pool group. Click the name of a group or instance to configure it. Automatically generated Connection Pools are not deplayed in the table below. . Outbound Connection Pool Configuration Table New Delete Showing 1 to 1 of 1 Previous | Next 🔲 Groups and Instances 🗞 Connection Factory Interface e oracle.tip.adapter.jms.IJmsConnectionFactory oracle.tip.adapter.jms.IJmsConnectionFactory eis/activemq/Queue oracle.tip.adapter.jms.IJmsConnectionFactory How do I... eis/aqjms/EDNLocalTxDurableTopic oracle.tip.adapter.jms.IJmsConnectionFactory Configure outbound connection pool
properties eis/aqjms/EDNLocalTxTopic oracle.tip.adapter.jms.IJmsConnectionFactory eis/aqjms/EDNxaDurableTopic oracle.tip.adapter.jms.IJmsConnectionFactory System Status eis/aqjms/EDNxaTopic oracle.tip.adapter.ims.LJmsConnectionFactory Health of Running Servers eis/aqjms/Queue oracle.tip.adapter.jms.IJmsConnectionFactory eis/aqjms/Topic oracle.tip.adapter.jms.IJmsConnectionFactory Failed (0) 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 oracle.tip.adapter.jms.IJmsConnectionFactory eis/pramati/Queue oracle.tip.adapter.jms.IJmsConnectionFactory eis/Queue/Notif oracle.tip.adapter.jms.IJmsConnectionFactory eis/sunmq/Queue oracle.tip.adapter.jms.IJmsConnectionFactory eis/tibjms/Queue oracle.tip.adapter.jms.IJmsConnectionFactory eis/tibjms/Topic oracle.tip.adapter.jms.IJmsConnectionFactory eis/tibjmsDirect/Queue oracle.tip.adapter.jms.IJmsConnectionFactory eis/tibjmsDirect/Topic oracle.tip.adapter.jms.IJmsConnectionFactory eis/webspheremg/Queue oracle.tip.adapter.jms.IJmsConnectionFactory eis/wls/EDNLocalTxDurableTopic oracle.tip.adapter.jms.IJmsConnectionFactory eis/wls/EDNLocalTxTopic oracle.tip.adapter.jms.IJmsConnectionFactory eis/wls/EDNxaDurableTopic oracle.tip.adapter.jms.IJmsConnectionFactory eis/wls/EDNxaTopic oracle.tip.adapter.jms.IJmsConnectionFactory eis/wls/Queue oracle.tip.adapter.jms.IJmsConnectionFactory eis/wls/Topic oracle.tip.adapter.jms.IJmsConnectionFactory New Delete Showing 1 to 1 of 1 Previous | Next

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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

Change Center		🟦 Home Log Out Preferences 🔤 Recor	d Help		Welcome, admin Connected to: AlphaDom
View changes and restarts	11	Home >JmsAdapter >Summary of Deploymen		nts >JmsAdapter >Summary of JMS Modules >FC	UBSJMSModule >Summary of JMS Modules >Summary of
Configuration editing is enabled. Future		Deployments >JmsAdapter			
changes will automatically be activated as you modify, add or delete items in this domain.	u	Settings for oracle.tip.adapter.jms.IJm	sConnectionFactory		
moury, add or delete items in this domain.		General Properties Transaction	Authentication Connection Pool	Logging	
Domain Structure					
AlphaDomain	Â	This page allows you to view and modify t	he configuration properties of this out	oound connection pool. Properties you modify I	here are saved to a deployment plan.
Servers	-	Outbound Connection Properties			
ClustersCoherence Clusters		Save			Showing 1 to 7 of 7 Previous Next
Machines Virtual Hosts				N 1 11	
Work Managers		Property Name 🐟	Property Type	Property Value	Supports Dynamic Updates
LStartup and Shutdown Classes		AcknowledgeMode	java.lang.String	AUTO_ACKNOWLEDGE	false
E-Services		ConnectionFactoryLocation	java.lang.String	jndi/FCUBSConne(false
-MessagingJMS ServersJMS Servers		FactoryProperties	java.lang.String		false
Store-and-Forward Agents	Ψ.	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
	-	Cours			
ystem Status	-	Save			Showing 1 to 7 of 7 Previous Next
OK (2) VebLogic Server Version: 12.1.3.0.0					
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1995.2014, Oracle and/or its affiliat Oracle is a registered trademark of Oracle Corpor	oration a	nd/or its affiliates. Other names may be trademark	s of their respective owners.		
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WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1596-2014. Orack and/or its affiliate Oracle is a registered trademark of Oracle Corpor DRACLE: WebLogic Serve Change Center	oration a	ndfor its affilates. Other names may be trademark inisistration Console 12c Mome Log Out Preferences & Recor Home Sunskapter - Summary of Deploymen	d Help	nts JmsAdapter > Summary of JMS Modules >FC	
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1595/2014. Oracle and/or its affiliate Oracle is a registered trademark of Oracle Corpor Cracle Conter View Changes and restarts Configuration editing is enabled. Future changes will autocally be activated as you modify, add or delete items in this doman.	er Adm	nd/or its efficience. Other names may be trademark ninistration Console 12c 🏠 Home Log Out Preferences 🚵 Recor	d Hep Q	nts >JmsAdapter >Summary of JMS Modules >FC	Welcome, admin Connected to: AlphaDor
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1596,2014. Oracle and/or its affiliat Oracle is a registered trademark of Oracle Corpor Change Center View changes and restarts Configuration eding is enabled. Future changes will autotated as you modify, add or delete items in this domain. Domain Structure	er Adm	Inistration Console 12c Inistration Console 1	d Hep Q ts >JmAdapter >Summary of Deployme starts are necessary. updated.		Welcome, admin Connected to: AlphaDor
Weblogic Server Versions 22.1.3.0.0 Copyright (c) 1596-2014. Oracle and/or its official Oracle is a negative disadiment, of Oracle Corpo DRACLE: WebLogic Serve Change Center View Changes and restarts Configuration officing is enabled. Future changes, wild automatically be activated as you modify, add or delete items in this domain. Domain Structure byhabOmain	er Adm	Inistration Console 12c The Home Log Out Preferences Record Home ShrsAdapter > Summary of Deployment Deployments > JamsAdapter Messages All changes have been activated. No re Deployment plan has been successfully C Remember to update your deployment	d Hep Quite Summary of Deployme ta s)-maAdapter >Summary of Deployme starts are necessary. updated. to reflect the new plan when you are		Welcome, admin Connected to: AlphaDor
Webbogic Server Weichen 12.3.1.3.0 Copyright (c) 1956.2014. Oracle and/or in alliand Grack is a registered individual for a control Corpore Change Center Wew changes and restarts Configuration cathog is enabled. Future changes, will automatically be activated as you modify, and or delete items in this domain. Domain Structure biphaDomain = Environment Servers	er Adm	Inistration Console 12c The Affates Other names may be trademark Inistration Console 12c The Console 12c	d Hep Quite Summary of Deployme ts >JmaAdapter >Summary of Deployme starts are necessary. updated. to reflect the new plan when you are usConnectionFactory	fnished with your changes.	Welcome, admin Connected to: AlphaDor
Webbogs Server Version: 12.13.0.0 Crownell (-) 1956 Cards - Oracle and (-) a diffuse Crownell - a regatered trademark of Grack Corpor Crack - a regatered trademark of Grack Corpo Change Center Web Changes and restarts Configuration adding is enabled. Future changes will automatically be activated as you modify, and or delete items in this domain. Domain Structure UphaDomain ProvomentServers Coherence ClustersMichinesVirbal Hosts	er Adm	Inisistration Console 12c Inisistration Console 12c Image: A state of the s	d Help Q Q ts >JmsAdapter >Summary of Deployme starts are necessary, updated. to reflect the new plan when you are sConnectionFactory Authentication Connection Pool	fnished with your changes.	Welcome, admin Connected to: AlphaDor
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Websop: Sover Weision: 12.1.3.0 Copyright (c) 1976-0244 - Oracle and (or an affinian Copyright (c) 1976-0244 - Oracle and (or an affinian Copyright (c) 1976-0244 - Oracle and (oracle Copyright) Comparison of the stands	er Adm	Inisistration Console 12c Inisistration Console 12c Image: A state of the s	d Help Q Q ts >JmsAdapter >Summary of Deployme starts are necessary, updated. to reflect the new plan when you are sConnectionFactory Authentication Connection Pool	finished with your changes.	Welcome, admin Connected to: AlphaDor 2083/MSModule >Summary of JMS Modules >Summary of there are saved to a deployment plan.
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Failed (0) Critical (0) Overloaded (0) Warning (0)



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		JDEWorldAdapter	Installed		Resource		333

15. Go to console →Deployments→JMS adapter→Update→Next→ Next →Finish

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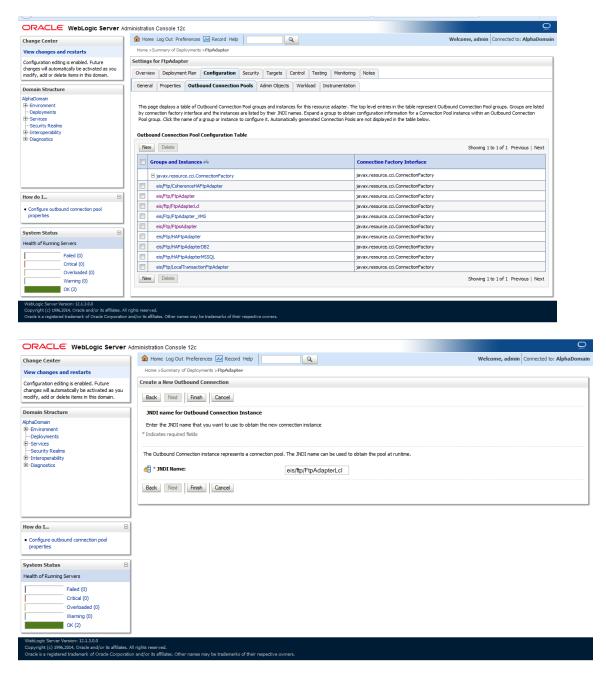
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16. Create the out bound connection pool with the **eis/wls/Queue** name in the Deployments using connection factory jndi/FCUBSConnectionfactory.



1.2.7 Configuring FTP Adapter

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



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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WebLogic Server Version: 10.3.6.0 Copyright © 1995, 2011, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation	Il rights res in and/or it	served. Is affiliates. Other names may be tradema	rks of their respective owners.			

- 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



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• Go to security and then navigate to application roles

- 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).



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		Deployers	Deployers can view all resource attributes and deploy applications.
		Monitors	Monitors can view and modify all resource attributes
		Advanced Option	
		Wheel to enter principal name here in be used for danced scenarios relate Type Group V Principal Name ALLR Display Name ALLR	DLES-000

• After completing click on OK button in pop up window and also in the screen.



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

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• Go to security and then navigate to application polices



- 7) After navigating to next screen as per screen shot,
 - Select the application stripe as obi, principal type as "Application Role" 0
 - Click on the search button 0
 - Select BIConsumer(it should be highlighted) from the list and click on the create like 0 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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		anonymous-role	Anonymous Role			
		anonymous-role	Anonymous Role			
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- Click Add button under Permissions and add the two permissions one by one as mentioned below.
 - oracle.bi.publisher.runReportOnline
 - oracle.bi.publisher.accessReportOutput

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

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

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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.

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16. Add the FCIS roles to allowed Roles under security

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- 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 FCIS 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 <u>http://hostname:port/console</u>
- 3. Click on Deployments → click on BAM Composer

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4. Click on Configuration Configuration \rightarrow Save

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WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al	I rights reserved. and/or its affiliates. Other names may be trademarks of their :	espective owners.							

5. Click on Overview→check the deployment plan location



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	Save											
		nd Components										

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

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

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



Plan3.xml



7. Stop the BAM composer application in console.

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



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

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		tomize this table oyments tall Update Delete Starty St	00 Y			Chausing 1 to 47	of 47 Previous Next
How do I 🖂		Name A	Stat	e Health	Туре	Targets	Deployment Order
 Install an enterprise application 		name 🗸	Stat	e nearch		rargets	Deployment order
Configure an enterprise application		🐼 AqAdapter	Activ	е 🖋 ОК	Resource Adapter	soa_server1	324
 Update (redeploy) an enterprise application Start and stop a deployed enterprise application 		🗷 📑 b2bui	Activ	е 🗸 ок	Enterprise Application	soa_server1	313
Monitor the modules of an enterprise application		⊞ 📑 BamComposer	Prepa	ared 🖋 OK	Enterprise Application	bam_server1	500
Deploy EJB modules Install a Web application		BamCQService	Activ	е 🗸 ОК	Enterprise Application	bam_server1	300
System Status		BamServer	Activ	е 🗸 ок	Enterprise Application	bam_server1	400
Health of Running Servers		BPMComposer	Activ	е 🗸 ОК	Enterprise Application	soa_server1	385
Failed (0) Critical (0)		oherence-transaction-rar	Activ	e 🗸 OK	Resource Adapter	AdminServer, bam_server1, soa_server1	100
Overloaded (0) Warning (0)		ScoherenceAdapter	Insta	led	Resource Adapter		331
OK (3)		DbAdapter	Activ	e 🗸 OK	Resource Adapter	soa_server1	322
		The fault To Do Task Flow	Activ	е 🖌 ОК	Enterprise	soa server1	314

12. Restart the BAM Composer application in the console

	inistration Console 12c	
Change Center	😰 Home Log Out Preferences 🖂 Record Help	Welcome, admin Connected to: AlphaDon
View changes and restarts	Home >BamComposer >Summary of Deployments >BamComposer >Summary of Deployments >BamCom Deployments >/bam/composer >Summary of Deployments	poser >Summary of Deployments >Summary of Servers >Summary of
Configuration editing is enabled. Future	Messages	
changes will automatically be activated as you modify, add or delete items in this domain.	Selected Deployments have been requested to stop.	
Domain Structure	Summary of Deployments	
AlphaDomain	Control Monitoring	
Servers		
Clusters	This page displays a list of Java EE applications and stand-alone application modules that have bee	n installed to this domain. Installed applications and modules can be started, stopped, updated
Coherence Clusters	(redeployed), or deleted from the domain by first selecting the application name and using the con	
Machines	To install a new application or module for deployment to targets in this domain, click the Install butt	N6
Virtual Hosts E	To install a new application or module for deployment to targets in this domain, clock the sistal but	21
Startup and Shutdown Classes		
Deployments	Customize this table	
B-Services	Baskamata	
Security Realms	Deployments	
Interoperability The Diagnostics	Install Update Delete Start v 3cp v	Showing 1 to 48 of 48 Previous Next
	Servicing all equests	
How do I	Name Servicing only administration requests	State Health Type Targets Deployment Order
 Install an enterprise application 	AqAdapter	Prepared VOK Resource SOAServer 324
Configure an enterprise application	2 Martinetter	Prepared V OK Adapter SOAServer 324
Update (redeploy) an enterprise application	📰 🗄 mababui	Prepared VOK Enterprise SOAServer 313
 Start and stop a deployed enterprise application 		Application 30Ade Ven 313
Monitor the modules of an enterprise		Prepared VOK Enterprise Application BAMServer 500
application		
Deploy EJB modules	BamCQService	Active CK Enterprise Application BAMServer 300
 Install a Web application 		Active VOK Enterprise BAMServer 400
	BamServer	Active CK Application BAMServer 400
System Status 😑	Reproduction	Active VOK Enterprise SOAServer 385
Health of Running Servers		Active CK Application SUAServer 303
Faled (0)	Coherence-transaction-rar	Active VOK Resource AdminServer, BAMServer, 100
Critical (0)		Adapter SOAserver
Overloaded (0)	CoherenceAdapter	Installed Resource 331
Warning (1)		Adapter
OK (2)	BobAdapter	Active CK Resource Adapter SOAServer 322
	B DefaultToDoTaskFlow	Active VOK Enterprise Application SOAServer 314
	B DMS Application (12.1.3.0.0)	Active CK Web Application AdminServer, BAMServer, 5
		SUASEIVER

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



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

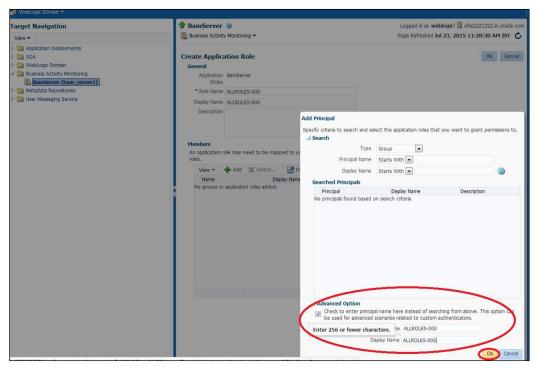
Control Contro Control Control Control Control Control Control Control Control Co	ntrol 12c	👥 webbgic - 🔘
Target Navigation	The BamServer (1)	Logged in as weblogic 🗐 ofss2221222.in.oracle.com
View 🕶	Business Activity Monitoring 🔻	Page Refreshed Jul 23, 2015 11:17:31 AM IST 💍
	Application Roles Application roles are the roles used by security aware applications that are spec global poley store when the applications are registered. These are also applicat application. To manage uses and groups in the WebLogic Domain, use the <u>Oracle WebD</u> Poley Store Provider Scope: WebLogic Domain Provider: LDAP Location jBioL/OpsDitatSource pleaton Poles Role Name No application roles found. Pole Name No application roles found.	tion roles that are created in the context of end users accessing the

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

ORACLE Enterprise Manager Fusion Middleware Control	rol 12c	👥 weblogic 🕶 🔘
📑 WebLogic Domain 🕶		
Target Navigation	BamServer 0 Business Activity Monitoring ▼	Logged in as weblogic 📗 ofss2221222.in.oracle.com Page Refreshed Jul 23, 2015 11:20:30 AM IST 🎸
 ▷ Application Deployments ▷ OA ▷ WebLopic Domain ▷ Business Activity Monitoring ▷ Busine	Create Application Role General Applcation BamServer Stripe * Role Hame: ALLROLES-000 Display Name: ALLROLES-000 Description 	
	Name Display Name No groups or app Add roles added.	Туре



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



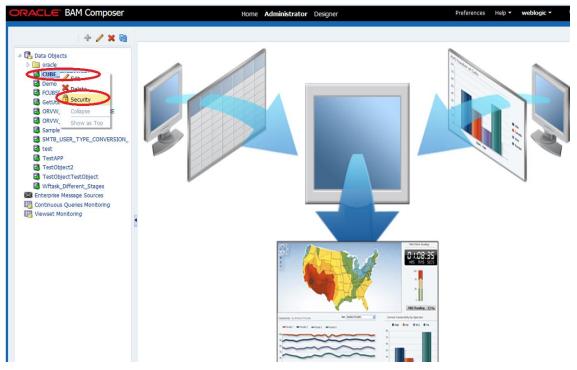
17. Login to BAM Composer → <u>http://hostname:port/bam/composer--</u>> Click on Administrator.



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



1-56



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

ORACLE BAM Composer		Home	e Admin	istrator Designer	Preferences	Help 🔻	weblo	gic 🕶
+ / × @	GetUtilsDB (Security) >	1						3 🖬
Data Objects Oracle Ouracle Ouracle Ouracle Ouracle Ouracle Occurstance <td colspan="7">G Security Full Name /dataobject/GetUtisD8 Owner Type USER Owner Name weblogic</td> <td>Save</td>	G Security Full Name /dataobject/GetUtisD8 Owner Type USER Owner Name weblogic							Save
	1. Grant permission View * * Detach Role Name Read Write BAMArchitect Ø Ø BAMContentCreator Ø Ø BAMContentViewer Ø Ø			Add Application Roles, Groups and Users Name Le Application Role Search Available Hembers PAVallable Hembers				
	2. Deny Permission View - + * * Role Name No data to display	Detach Read	Write	OK Cancel				



20. Move the ALLROLES-000 to Selected members.

RACLE' BAM Composer	Home Administrator Designer Preferences	Help ▼	weblog	lic 🕈
🕂 🥒 🗙 💀	GetUtilsDB (Security) ×	()	62	Save
CUBE_INSTANCE CUBE_INSTANCE Demo CUBSDATAOBJECTS CUBSDATAOBJECT	Full Name /dataobject/GetUtibDB Owner Type USER Owner Name weblogic			
ORWUFACILITY_EXPOSURE ORWUFACILITY_EXPOSURE Smite Smite Smite Smite TestObject2 TestObject2 TestObject2 Witask_Different_Stages Tenterprise Message Sources Controus Queres Montoring Vewset Montoring	1. Grant permission Add Application Roles, Groups and Users View View Detach Role Name Read Write StaMarchitezt View View StaMarchitezt View View StaMarchitezt View View StaMarchitezt View Selected Members Selected Members Selected Members SPIAContentViewer Selected Members SPIAContentViewer View		×	
	Z. Deny Permission OK Cancel Vew ~ + X Cancel Cancel Role Name Read Write No data to deplay			

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

RACLE BAM Composer		Но	me Administra	tor Designer			Preferences H	elp • weblogic •
+ / 🗙 🗟	GetUtilsDB (Security) ×	:						3
Data Objects	Becurity							1) 🕅 🤇
CUBE_INSTANCE CUBE_INSTANCE CUBE_INSTANCE CUBEDATAOBJECTS CUBETAOBJECTS CUBETAOBJEC	Full Name /datad Owner Type USER Owner Name weblo	object/GetUtilsDB gic						
ORVW_FACILITY_EXPOSURE	1. Grant permission							
Sample		Detach						
SMTB_USER_TYPE_CONVERSION_	Kole Name	Read	Write	Remove	Select	Delete	Update	Security
🗟 test	BR ALLROLES-000							
TestAPP	BAMArchitect	V					N.	
TestObject2	BAMContentCreator	V			\checkmark			
TestObjectTestObject	BAMContentViewer	V						
Wftask_Different_Stages								
Enterprise Message Sources Continuous Queries Monitoring Viewset Monitoring								
	2. Deny Permission View • 4 X	🛃 Detach						
	Role Name	Read	Write	Remove	Select	Delete	Update	Security
	No data to display							

22. Follow the step 17 to 21 for other Data objects also.(cube_instance,wftask_different_stages, ORVW_TRACK_EXPOSURE, ORVW_FACILITY_EXPOSURE, GetUtilsDB, SMTB_USER_TYPE_CONVERSION_VIEW, FCUBSDATAOBJECTS).



23. Click on Designer →Open Project

ORACLE BAM Composer	Home Administrator Designer	Preferences Help + weblogic +
FCUBS_BAM_Report	Dashboard or A Dashboard or A Eusiness View What do you want to cred Dashboards and Alerts Dashboards and Alerts Dashboards are composed of one or more views Create one Alerts are notifications based on KPIs, Queries, or Pol Create one	

24. Click on FCUBS_BAM_report

CUBS_BAM_Report I Cubs_BaM_Report I Cubs_Bames Queries Notes Business Queries Report S Cubs_Bahmanders Parameters Cubs_Bahmander Cubs_Bahmand	ORACLE' BAM Composer	Home Administrator Designer	Preferences Help + weblogic +
D Queries, or Pattern Matches	FCUBS_BAM_Report =)	Open Project × Select the project to open > Das FCUBS_BAM_Report IP Process Analytics IP TestApp_2204 ID more vi	create?



25. Click on FCUBS_BAM_Report → Security

ORACLE' BAM Composer	Home Administrator Designer	Preferences Help • weblogic •
CCUBS BAM_Report CCUBS BAM_Report Create Create Delete De	Dashboard or Al Business View What do you want to create? Dashboards and Alerts	Data
ł	Dashboards are composed of one or more views Create one Alerts are notifications based on KPIs, Queries, or Pattern Match Create one	es

26. Click on ADD button Under Grant Permission.

ORACLE' BAM Composer	Home Administrator Designer Prefer	rences Help - weblogic -
FCUBS_BAM_Report = Compared by the second s	FCUBS_BAM_Report (Security) ×	3 🛛
	🖞 Security	i 🖓 Save
	Full Name /project/FCUBS_BAM_Report Owner Type USER Owner Name weblogic	
D Alerts	1. Grant permission	
Parameters	View - Opx Detach	
	Role Name Add Application Roles, Groups and Users	
	🚯 BAMContentViewer 🗹 🔲 🛄	
	2. Deny Permission	
	View 🔻 💠 💥 🚮 Detach	
	Role Name Read Write Remove Security No data to display	



ORACLE' BAM Composer		Home Ad	lministrator Desi	gner		Preferences	Help 🔻	weblo	gic •	C
FCUBS_BAM_Report 🗷	FCUBS_BAM_Report	(Security) $_{\times}$							3 🛛	•
 Coss_order_coport ≥ Coss_o	Owner Type USE Owner Name web 1. Grant permission	Detach	11/20-2	Remove I	Security		•	<u>61</u>	Save	
										1
	2. Deny Permission	Detach								
	Role Name	Read	Write	Remove	Security					1
	No data to display									

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

ORACLE BAM Composer	Home Administrator Designer	Preferences	Help 🔻	weblogic 🔻
FCUBS_BAM_Report 💌	FCUBS_BAM_Report (Security) ×			3
	C Security		1	Save Save
 ▷ Can Data Objects ▷ Can Business Queries ♥ KPIs ♥ Business Views ♥ Dashboards 	Full Name /project/FCUBS_BAM_Report Owner Type USER Owner Name weblogic			
Alerts Marameters	1. Grant permission			
	Add Application Roles, Groups and Users × Name C. Application Role Search RMMArchitect BPMContext/lawer ALLROLES-000 CK Cancel			



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

ORACLE BAM Composer	Home Administrator Designer	Preferences H	elp • weblogic • C
FCUBS_BAM_Report 💌	FCUBS_BAM_Report (Security) ×		3 🛛 -
C	Security Full Name /project/FCUBS_BAM_Report Owner Type USER Owner Name webiogic		Save
Alerts ▷ Parameters	1. Grant permission		
	Add Application Roles, Groups and Users × Name Lat: Application Role Search Available Members BMMrchitect BMMrchitect BMMrchitect W W W W W W W W W W W W W W W W W W W		
ofs22212222404/bam/composer/faces/designer#			

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

ORACLE BAM Composer		Home	Administrator D	esigner		Preferences	Help 🔻	weblogic 🝷
FCUBS_BAM_Report 💌	FCUBS_BAM_Re	port (Security) ×						(2) S
	Becurity						i	👌 Save
 ▷ One Data Objects ▷ Objects ▷ Business Queries ♥ Passess Views ▷ Objects Views ▷ Dashboards 	Full Name Owner Type Owner Name	/project/FCUBS_BA USER weblogic	.M_Report					
Alerts ▷ Imiliar Parameters	1. Grant perm	ission						
		🗙 🛃 Detach						
	Kole Name	Read	Write	Remove	Security	$\mathbf{>}$		
	Contraction			V				
	BAMConten							
	2. Deny Permi							
		🗙 🛃 Detach						
	Role Name	Read	Write	Remove	Security			
	No data to displ	97						



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.

Change Center	Home Log Out Preference	Record Help	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.	Settings for myrealm Configuration Users and C	roups Roles and Policies Credential Mappings Providers Mgration	
Domain Structure	Users Groups		
IPM_domain BD-Environment COeployments BD-Services Construction Construction Deployments	This page displays information	about each group that has been configured in this security realm.	
Diagnostics	Groups		
	New Delete		Showing 1 to 10 of 568 Previous Next
	🔲 Name 🗇	Description	Provider
	AC-BATCH	Accounting Batch Operations	Fcubs
	AC-REPORTS	Accounting Reports	Fcubs
How do I	AC-RPT	Accounting Reports	Fcubs
Manage users and groups	ADMIN	Admin	Fcubs
Create groups	AdminChannelUsers	AdminChannelUsers can access the admin channel.	DefaultAuthenticator
Modify groups	Administrators	Administrators can view and modify all resource attributes and start and stop servers.	DefaultAuthenticator
Delete groups	ADMINROLE	Admin Role	Fcubs
	AE-MAINT-IN	AEOD Maitenance	Fcubs
System Status	AEOD-RPT	AEOD Reports	Fcubs
Health of Running Servers	AEOD-STB	Accounting Reports	Fcubs
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)	New Delete		Showing 1 to 10 of 568 Previous Next

• Click on the New button.



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

	Administration Console	Q								
Change Center	🔒 Home Lag Out Preferences 🔤 Record Help	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 Cencel									
Domain Structure IPM_domain IPM_domain IP_Tenvironment IP_Deployments IP_Services IP_Servi	Group Properties The following properties will be used to identify your new Group. * Indicates required fields									
Security Realms Interoperability	What would you like to name your new Group?									
Diagnostics	* Name: IPMUserGroup									
	How would you like to describe the new Group? Description: User group for IPM									
	Please choose a provider for the group.									
How do I	Provider: DefaultAuthenticator 💌									
Modify groups	OK Cancel									
Delete groups										
Create users Manage users and groups System Status										
Health of Running Servers										
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)										
WebLogic Server Version: 10.3.6.0 Copyright © 1996, 2011, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	Il rights reserved. n and/or its affiliates. Other names may be trademarks of their respective owners.									

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

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



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

ORACLE WebCenter Content:	: Imaging	Logged in as weblagic Help Refresh Preferences Logent About
े कि Soundres LEEL_D ये 🖉 Tools ये पुणे Tools ये पुणे Tools ये प्रिसायक Soundres ये प्रियायक Applications	ELEXCUTE: Application Summary EGeneral Properties Automate 3 Application Structure Texture Texture Texture Construct Tex	🖌 fudr. <mark>1</mark> t been 🗃 Go
N [2] Managa Inputs N [2] Managa Connections N [2] M Managa Connections	Table Series Desk / Pearler pearler pearler pearler CApplicator Scorthy	
Copyright (c) 2010, 2015 Oracle and/or its affiliates. All right		

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



g. Finally click on the submit button on the right corner

ORACLE WebCenter Content:	Imaging	Lagged in as weblogic Help Refresh Preferences Lagout About
ම මි Searches USB ුර	Create Applications: Adjustment from the front second seco	Coord Bock Rest Salert
D ∯ Tools D G Manage Searches 3 USEN_D	Setter (Source Treater View Wira Data (and a contract and contract and a contract and a contract and contract a	
E 15 Manupe Applications 3 RUNOIR	Marchard Mandel Image: Control of the control of th	
S Manage Inputs Manage Connections S Manage Security		
Copyright (c) 2010, 2015 Oracle and/or its affiliates. All right		Privacy Statemint

- 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 R	efresh P	references Logout /	
🗉 🎦 Searches	USER_ID: Search Summary									Modify 🗙 Delete	
USER_ID	ooen_ion ocaren ouninary									a belete	
	□ Properties										
	Search Name USER ID										
	Description										
🗉 🖗 Tools	Instructions										
🗆 🔍 Manage Searches 🛛 🔄	Maximum Search Results 0										
USER ID											
	Results Formatting										-
	Source Application DOCID	Document Cre Date	ation Do By	cument Created	Documer	nt Batch Id	Document Id				
	FLEXCUBE DOCID	Document Cre	atio Do	cument Created.	Documer	nt Batch Id	Document Id				
	© Conditions										
	Application: FLEXCUBE										
	(Field Opera Document Created Conta		alue	Document Creat	1.0)	Conjunction	
ł	Parameters		-	fault Value	_	icklist					-
	Parameter Name Prompt Text Document Created Document Created	Operator Text	De	rauit value	м	rckist	Required	Read Only			
	Security										_
	Type Security Member	View	Modify	Delete	Grant Access						
	Administrators	~	~	~	~						
	IPMUserGroup	×									
	■ Audit History								_		
	Date Type	User Name									
	7/2/2014 Definition Create 7/4/2014 Definition Modify	ARU1 weblogic									
	7/4/2014 Definition Modify	weblogic									1
🗉 🖻 Manage Applications	7/4/2014 Definition Modify	weblogic									
🗉 🕎 Manage Inputs	7/4/2014 Definition Modify 7/4/2014 Definition Modify	weblogic weblogic									
🗉 📴 Manage Connections	7/4/2014 Definition Modify	weblogic									
🗄 💝 Manage Security											



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

ORACLE WebCenter Content	Imaging	Logged in as weblogic Help Refresh Preferences Logout About
Searches USER_D a Tools USER_D USER_D	Properties Results Formatting Conditions Parametern Security Provide security Conditions Parametern Security Provide security rights for the search. Select "Next" when you have finished with search security. Security Member View Modify Delete Grant Access Administrators Security Provide secur	Cencel Back Next Scheme
E Manage Applications G Manage Inputs G Manage Connections G Manage Security	Add Security Member Image: Construction of the section of security in a gradient mater in the section of the s	

9) Copy the FCBPELCIS.jar to location

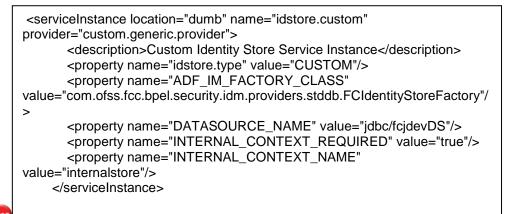
<ORACLE_HOME >\user_projects\domains\<domian name>\lib

- 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"</serviceprovider
name="custom.generic.provider" type="IDENTITY_STORE">
<pre><description>DB IdentityStore Provider</description></pre>



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



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'.

```
<jpsContext name="internalstore">
  <serviceInstanceRef ref="credstore"/>
  <serviceInstanceRef ref="keystore"/>
  <serviceInstanceRef ref="policystore.xml"/>
  <serviceInstanceRef ref="audit"/>
</jpsContext>
```



1.2.11 Configuring Superviser Roles in EM

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

	Manager Fusion Mic	fleware Control 12c 🗮 WebLogic Domain 🔻 🛛 we	blogic 🔻 🚥
Target Navigation		Mar 21, 2016 12	:30:59 PM IST 👈
Home Home Home Logs SOA Deployment Manage Partitions Work Manager Groups Resequencing Groups Service Engines Bindings	▶ 0] > > 5 (10)	Is that are specific to the application. These roles are seeded by applications in single global policy store when the applications are registered sing the application. e Oracle WebLoaic Server Security Provider: application. Use application stripe to search if application uses a stripe that is different from application name. Description Description	These are also
Services and References Business Events SOA Administration	•		
Security	Application	olicies	
Administration Target Sitemap	Application	oles	
Target information +12 CRDCProcess [1,1] +12 create CorporateOu +12 create CorporateOu +12 create CorporateOu +12 create CorporateOu +12 createCorporateOu +12 createCorporateOu +12 createCorporateOu +12 createOutputs[1,0] +12 DEUtility [1,0] +12 DEUtility [1,0] +12 DEUtility [1,0] +12 DEUtility [1,0] +12 DEUtility [2,0] -14 COCYtreeses (1,0]	stomer [2.0] stomer [3.0] stomer [3.1]		



	soa-infra () SOA Infrastructure	Ŧ				Mar	21, 2016	12:30:59 PM I	
oplicat	tion Roles								
oplication re	oles are the roles u					application. These roles are seeded by applications in single global policy store when the applications are reg	jistered.	These are a	
	oles that are created to users and groups					ver Security Provider.			
	Store Provider	-							
	Nore i rovider								
Search									
nter search	h Keyword for role na	ame to query role	es defined by this	application. Use	applica	ation stripe to search if application uses a stripe that is different from application name.			
	Role Nam	e Starts With	-						
View 💌	Create	👫 Create Like	e 🖋 Edit	🗙 Delete	Searc	h application roles	E ₽	Detacl	
	Role Name		Display Name			Description			
default_Composer			Composer for the Default Partition			A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security pol			
default_Deployer			Composite Deployer for the Default P			A deployer is responsible for deploying new applications, upgrading existing applications, and managing the continuous integratio			
default_Tester			Tester for the Default Partition		-	A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination o			
_	default_ApplicationOperator		Application Operator for the Default Pa						
	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 MiddleWare Operator			A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w			
	MiddlewareAdministrator		SOA Middleware Administrator			A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always res			
SOAAdmin			SOA Admin Role			SOA application admin role, has full privilege for performing any operations including security related			
SOAOperator			SOA operator Role			SOA application operator, for common operational tasks like start, stop, monitor, backups			
SOAMonitor			SOA Monitor Role			SOA application monitor role, has read-only privileges for monitoring			
SOAAuditAdmin			SOA Audit Admin Role			SOA audit administrator role, can perform audit configuration and administration			
SOAAuditViewer			SOA Audit Viewer Role			SOA audit viewer role, can view audit records			
BPMWorkflowAdmin			BPM Workflow System Admin Role BPM Workflow Customize Role			BPM Workflow Administrator Application Role			
BPMWorkflowCustomize			BPM Workflow Customize Role BPM Activity Guide Admin Role			BPM Workflow Customize Application Role BPM Activity Guide Administrator Application Role			
BPMAGAdmin BBMOcreanization & design						BPM Activity Guide Administrator Application Role BPM Organization Administrator Application Role			
BPMOrganizationAdmin BPM Organization Admin role SOADesigner SOA Designer			Adminitore		BPM Organization Administrator Application Role SOA Designer				

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



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

	CLE [®] Ent	erprise Manag	er Fusion Middl	eware Control	12c	🖺 WebLogic Domain 🔻 🛛 weblogic 🔻		
	soa-infra 🕦 SOA Infrastructu	re 🔻				Mer 21, 2016 12:30:59 PM IST		
nnlicati	ion Roles							
••		used by security a	ware application	s that are sne	rific to the	application. These roles are seeded by applications in single global policy store when the applications are registered. These are also		
oplication ro	oles that are crea	ted in the context of	end users acce	ssing the appl	ication.			
To manage	e users and grou	ps in the WebLogic	Domain, use th	e <u>Oracle Web</u>	Logic Se	ver Security Provider.		
Policy St	tore Provider							
Search								
nter search	keyword for role	name to query role	s defined by this	application. U	se applio	ation stripe to search if application uses a stripe that is different from application name.		
	Role Na	me Starts With	•		•			
					-			
View v	Create	E Create Like	📝 Edit	X Delete.	-	E Detach		
1			Edit	the selected ap	plication	role		
Role Na	ame	D	isplay Name			Description		
default_0	Composer	c	Composer for the Default Partition			A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security poli.		
default_[Deployer	C	Composite Deployer for the Default P			over is responsible for deploying new applications, upgrading existing applications, and managing the continuous integratio		
default_1	Tester	Ţ	Tester for the Default Partition			A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of		
default_/	ApplicationOpera	tor A	Application Operator for the Default Pa			An application operator is responsible for handling customer complaints and making decisions on requests that result in faults in t.		
default_!	Monitor	M	Monitor for the Default Partition			A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition		
Middlew	areOperator	s	SOA MiddleWare Operator			A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w.		
Middlew	areAdministrator	s	SOA Middleware Administrator			A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always resp		
SOAAdm	nin	S	SOA Admin Role			SOA application admin role, has full privilege for performing any operations including security related		
SOAOpe	erator	s	SOA operator Role			SOA application operator, for common operational tasks like start, stop, monitor, backups		
SOAMon	nitor	s	SOA Monitor Role			A application monitor role, has read-only privileges for monitoring		
SOAAuditAdmin			SOA Audit Admin Role			SOA audit administrator role, can perform audit configuratoin and administration		
SOAAuditViewer			SOA Audit Viewer Role			audit viewer role, can view audit records		
BPMWorkflowAdmin			BPM Workflow System Admin Role			BPM Workflow Administrator Application Role		
BPMWorkflowCustomize BP			BPM Workflow Customize Role			BPM Workflow Customize Application Role		
BPMAGAdmin			BPM Activity Guide Admin Role			// Activity Guide Administrator Application Role		
BPMOrganizationAdmin I			BPM Organization Admin role			BPM Organization Administrator Application Role		
SOADesigner SOA Designer					SOA Designer			

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

	terprise Manager Fusion N	liddleware Control 12c		🔚 WebLogic Domain 🔻	weblogic 🔻 🚥					
SOA Infrastruct	ure 🔻			Mar 21, 3	2016 12:34:21 PM IST 🕥					
Edit Application R Role (or Enterprise Role) is t		e enterprise level and typical	y used to assign a privilege or permission. A role can also contain other roles as m	embers.	OK Cancel					
General										
Application Stripe soa										
Role Name SC	Add Principal Role Name St									
Display Name SC	Specify criteria to search and select the application roles that you want to grant permissions to. A Search									
Description St pe re		Type Group								
		Principal Name Starts V	/ith 💌							
Members An application role may nee		Display Name Starts V	/ith							
View v + Add	Searched Principals									
Name	View v 💮 Detach			/P	e					
Administrators	Principal	Display Name	Description	rou	up					
	No search conducted									
	Advanced Option									
	Check to enter principal na	ame here instead of searching	g from above. This option can be used for advanced scenarios related to custom aut	henticators.						
				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	main 🔻 weblogic 💌 🚥
t soa-infra o	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 Role Name St	
Specify criteria to search and select the application roles that you want to grant permissions to.	
Description St Type Group •	
Principal Name Starts With VALLROLES-000	
Members An application role may net Display Name Starts With	
View + Add Searched Principals Search roles	
Name View v 💮 Detach	/ре
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 Can	cel
0.184.133.1687.401/em/faces/as/security/editAppRoleTtype=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
- 13. Navigate to User Messaging Service
- 14. Right click usermessagingdriver-email (soa_server1)
- 15. Click on Email Driver Properties

ORACLE' Enterp	rise Manager Fusi	on Mic
📲 WebLogic Domain 🔻		
Target Navigation		1
View 🔻		â.
 Application Deployments SOA WebLogic Domain Business Activity Monitor Metadata Repositories User Messaging Service usermessagingdriver 	ing	En Tř
Lisermessagingdi Lisermessagingserve Lisermessagingserve Lisermessagingserve	Home Control	•
	Logs Performance Summary	-
	Email Driver Properties System MBean Browser	
-	Target Information	

16. .Enter the sender Address and default sender address (This id will be used as sender address).



17. .Enter the supported protocols (SMTP)

CRACLE Enterprise Manager Fus WebLogic Domain	ion Middleware Control 12c				👥 weblogic 🔻 🔘
Target Navigation View •	tion for the state of the state				cl 📃 ofss2221222.in.oracle.com , 2015 11:09:57 AM IST 🖒
Application Deployments SOA SOA Build Soa Build Comain Build Soa Chivity Monitoring Comain Co	Edit Driver Propertie				OK Cancel
Metadata Repositories	Name	FCUBS121	Supported Protocols	SMTP	
User Messaging Service usermessagingdriver-email (bam_server 1)	Driver Type	User Messaging Email Driver	Supported Carriers)
usermessagingdriver-email (bam_server1)		Domain		O Use Sender Addresses	
usermessagingserver (bam_server 1)	Configuration Level	Cluster Cluster Name	Sender Address		
Server 1)	Supported Delivery Types	EMATI		Ouse Default Sender Address	
		SEND, RECEIVE		EMAIL:xxx@xxx.xom	
	Supported Content Types	•	Cost	:	
		DELIVERY_TO_GATEWAY_SUCCESS,	Speed	•	
		DELIVERY_TO_GATEWAY_FAILURE,		Supports Cancel	
		USER_REPLY_ACKNOWLEDGEMENT_SUCCESS, USER_REPLY_ACKNOWLEDGEMENT_FAILURE		Supports Replace	
		USBCICE ET_ACTIONEEDCEMENT J ALEXCE		Supports Status Polling	
				Supports Tracking	

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

4	Driver-Specific Configurat	tion				
	Name	Description	Mandatory	Encoded Credential	Value	
		E-mail receiving protocol. The possible values are IMAP and POP3.			IMAP	•
		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	III
	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				-

- 19. Enter the Receive folder in the mailbox (INBOX)
- 20. Enter the Outgoing mail server hostname or IP
- 21. .Enter the outgoing mail server port
- 22. .Enter the outgoing default from address



23. Enter the Outgoing user name and password if required

ame	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.				

24. Navigate to SOA Administration ->Workflow Properties

		usion Middleware Contro	12c	👥 weblogic 👻 🔘
WebLogic Domain	n	1 soa-infra	. .	Logged in as weblogic 📴 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:15:16 AM IST 🖒
 Application Depl SOA Soa-infra ' WebLogic Don WebLogic Don Business Activ Wetadata Reg: User Messagir User Messagir usermessa usermessa usermessa usermessa usermessa usermessa usermessa 		Workflow Notif Before configuring t * Notification Mod Notification Serv		
	Services and References Business Events		To Address ggg@ggg.com	
	SOA Administration Security Administration Target Information	Common Properties BPEL Properties BPMN Properties Mediator Properties	icaton Configuraton Properties	
		Workflow Properties B2B Server Properties Cross References Token Configurations Auto Purge		

25. 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

Central 10.184.135.218:7001/console/console.	portal?_nfpb=true&_pageLabel=HomePage1	⊽ ℃	<mark>8</mark> ▼ Google	م	☆ 🖻	•	î î	≡
	dministration Console 12c						Ç	Ď
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	Q		Welcome, adm	in Conn	nected to	AlphaDom	ain
View changes and restarts	Home >AlphaDomain >Summary of Servers >AlphaDomain	>Summary of Servers >Summary of Deployments >soa-infra >8	BPELEngineBean					
Configuration editing is enabled. Future	Home Page							
changes will automatically be activated as you modify, add or delete items in this domain.	- Information and Resources							-
Domain Structure	Helpful Tools	General Information						
AlphaDomain	Configure applications	 Common Administration Task Descriptions 						
Environment	 Configure GridLink for RAC Data Source 	 Read the documentation 						
Servers Clusters	Configure a Dynamic Cluster	 Ask a question on My Oracle Support 						
Coherence Clusters	Recent Task Status							
Machines Virtual Hosts	 Set your console preferences Oracle Enterprise Manager 							
Work Managers	 Oracle Enterprise Manager 							
Startup and Shutdown Classes	— Domain Configurations							-
Deployments Services	Domain	Services	Interoperabil	itv				
Security Realms	Domain	Messaging	WTC Servers					
		 JMS Servers 	Jolt Connect	ion Pools				
	Environment	Store-and-Forward Agents						
How do I 🖃	Servers	 JMS Modules 	Diagnostics					
Search the configuration	Clusters	Path Services	Log Files					
Use the Change Center	 Server Templates 	 Bridges 	Diagnostic M	lodules				
Record WLST Scripts	 Migratable Targets 	Data Sources	Built-in Diagr	nostic Modules				
Change Console preferences	Coherence Clusters	 Persistent Stores 	 Diagnostic In 	nages				
Manage Console extensions	Machines	XML Registries	Request Per	formance				
Monitor servers	Virtual Hosts	XML Entity Caches	Archives					
System Status	Work Managers	Foreign JNDI Providers Work Contexts	Context					
	 Startup And Shutdown Classes 	• iCOM	SNMP					
Health of Running Servers		Mail Sessions						
Failed (0)	Your Deployed Resources	• FileT3	Charts and G					
Critical (0)	Deployments	• <u>ATI</u> •	 Monitoring D 	ashboard ar				
Overloaded (0) Warning (0)	Your Application & Security Settings	OSGi Frameworks						
i indining (o)	a 1 a l							



3.	Click on SOA_INFRA Application under deployments.
----	---

Security Realms Interoperability	Name 🔅	State	Health	Туре	Targets	Deployment Order
	oracle.wsm.console.core.view(1.0, 12. 1.3.0)	Active		Library	AdminServer	311
Iow do I E	orade.wsm.seedpolicies(2.0, 12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
Configure an enterprise application	TradeAppsAdapter	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	B CoracleBPMBACServerApp	Active	🖋 ок	Enterprise Application	SOAServer	384
Deploy EJB modules Install a Web application	E CoracleBPMComposerRolesApp	Active	🖋 ОК	Enterprise Application	SOAServer	382
System Status	B COracleBPMProcessRolesApp	Active	🖋 ОК	Enterprise Application	SOAServer	381
Health of Running Servers	⊞OracleBPMWorkspace	Active	🖋 ок	Enterprise Application	SOAServer	383
Failed (0) Critical (0)	orail8n-adf(11,11.1.1.1.0)	Active		Library	AdminServer, BAMServer, SOAServer	100
Overloaded (0) Warning (0)	🕐 owasp.esapi(2.0, 12. 1. 3)	Active		Library	AdminServer, BAMServer, SOAServer	100
OK (2)	SAPAdapter	Installed		Resource Adapter		335
	B SimpleApprovalTaskFlow	Active	🖋 ОК	Enterprise Application	SOAServer	386
	H Rosa-infra	Active	🖋 ОК	Enterprise Application	SOAServer	350
	⊞ _[] soa-webapps	Active	🖋 ок	Enterprise Application	SOAServer	360
	👘 soa.em	Active		Library	AdminServer	100
	SocketAdapter	Installed		Resource Adapter		326
	state-management-provider-memory-rar-12.1.3	Active	🖋 ок	Resource Adapter	AdminServer, BAMServer, SOAServer	100
	M UIX(11,12.1.3.0.0)	Active		Library	AdminServer, BAMServer, SOAServer	100

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

 eLabel=AppDeploymentsControlPage8C_htpb=true8CAppDeploymentsControlPort	 1 1		<u>भ</u> ाष र	
B2BInstanceMessageBean		EJB		
B2BIntegratorBean		E)B		
B2BMetadataUtilityBean		EJB		
B2BStarterBeanWLS		EJB		
B2BUtilityBean		EJB		
BAMActionMDB		EJB		
BeamActionMDB		EJB		
BottleneckDetectionBean		EJB		
BPELActivityManagerBean		EJB		
BPELAudit TraiBean		EJB		
BPELCacheRegistryBean		EJB		
BPELCacheStoreBean		E)B		
BPELClusterBean		EJB		
BPELDeliveryBean		EJB		
BPELDispatcherBean		EJB		
BPELEngineBean		EJB		
BPELFind BPELEngineBean, Level 3, 22 of 106		EJB		
BPELInstanceManagerBean		EJB		
BPELKeyGeneratorBean		EJB		
BPELProcessManagerBean		EJB		
BPELSensorValuesBean		EJB		
BPELServerManagerBean		E)B		
BPELTestInstanceManager		EJB		
BpmAGProcessBrokerServiceBean		EJB		
BpmAppServiceBean		EJB		
BPMDataObjectSecurityService		EJB		
BPMNActivityManagerBean		EJB		
BPMNAuditTrailBean		EJB		
BPMNClusterBean		EJB		



	Name:	BPELEngineBean	The name of this bean. More Info
Work Managers Startup and Shutdown Classes	Туре:	stateless	The EJB type (session, entity, or message). More Info
Deployments Services Security Realms	Transaction Type:	Container	The bean's transaction type. More Info
-Interoperability	EJB Class Name:	com.collaxa.cube.engine.ejb.impl.bpel.BPELEngine8ean	E3B Class Name More Info
ob w	— Pool Configuration —		
Configure Version 2.X EJBs	Initial Beans in Free Pool:	100	The initial number of beans in the free pool. More Info
-			
View deployment status of EJBs Set EJB target servers and clusters Update (redeploy) EJBs Stop EJBs	Max Beans in Free Pool:	1000	The maximum number of beans in the free pool. When an EJB has been in the free pool for the number of seconds specified in Tale Timeout, and the total number of beans in the free pool approaches the maximum beans in free pool specified in this field, idle beans are removed from the free pool. More Info
ystem Status	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
ealth of Running Servers	- Enterprise Bean Configuratio		
Failed (0) Critical (0) Overloaded (0)	Network Access Point:		Custom network channel that the EJB uses for network communications. More Info
Warning (0) OK (2)	Run As Principal Name:		The security principal to be used as the run-as principal for a bean that has security-identity specified in its ejb-jar.xml file. More Info
	Create As Principal Name:		The principal to be used when ejbCreate would otherwise run with an anonymous principal. More Info
	Remove As Principal Name:		The principal to be used when ejbRemove would otherwise run with an anonymous principal. More Info
	Passivate As Principal Name:		The principal to be used when ejbPassivate would otherwise run with an anonymous principal. More Info
	JNDI Name:		The JNDI name of an EJB, resource, or reference in WebLogic Server. More Info
	Local JNDI Name:		The JNDI name for a bean's local Home. More Info
	🔊 Dispatch Policy:		Designates which server execute thread pool the EJB should run in. More Info
	Transaction Timeout:	300	The transaction timeout value, in seconds. More Info
	Save		
VebLogic Server Version: 12.1.3.0.0			

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

B2BUtilityBean		EJB	
BAMActionMDB		EJB	
BeamActionMDB		EJB	
BottleneckDetectionBean		EJB	
BPELActivityManagerBean		EJB	
BPELAuditTrailBean		EJB	
BPELCacheRegistryBean		EJB	
BPELCacheStoreBean		EJB	
BPELClusterBean		EJB	
BPELDeliveryBean		EJB	
BPELDispatch BPELDeliveryBean, Level	13, 20 of 106	EJB	
BPELEngineBean		EJB	
BPELFinderBean		EJB	
BPELInstanceManagerBean		EJB	
BPELKeyGeneratorBean		EJB	
BPELProcessManagerBean		EJB	
BPELSensorValuesBean		EJB	
BPELServerManagerBean		EJB	
BPELTestInstanceManager		EJB	
BpmAGProcessBrokerServiceBean		EJB	
BpmAppServiceBean		EJB	
BPMDataObjectSecurityService		EJB	
BPMNActivityManagerBean		EJB	
BPMNAuditTrailBean		EJB	
BPMNClusterBean		EJB	
BPMNDeliveryBean		EJB	
BPMNDispatcherBean		EJB	
BPMNEngineBean		EJB	
BPMNFinderBean		EJB	



	Type:	stateless	The EJB type (session, entity, or message). More Info
	Transaction Type:	Container	The bean's transaction type. More Info
	EJB Class Name:	com.collaxa.cube.engine.ejb.impl.bpel.BPELDeliveryBean	EJB Class Name More Info
	- Pool Configuration		
How do I	Initial Beans in Free Pool:	200	The initial number of beans in the free pool. More Info
Configure Version 2.X EJBs View deployment status of EJBs Set EJB target servers and clusters Update (redeploy) EJBs	Max Beans in Free Pool:	1000	The maximum number of beans in the free pool. When an EJB has been in the free pool for the number of seconds specified in Idle Timeout; and the total number of beans in the free pool approaches the maximum beans in free pool specified in this field, idle beans are removed from the free pool. More Info
• Stop ElBs System Status	Idle Timeout:	0	The maximum length of time (in seconds) an EJB should remain In the cache or free pool before it is passivated or removed. More Info
Health of Running Servers	— Enterprise Bean Configu	ration	
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. Nore 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 rur 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 rur in. More Info
	Transaction Timeout:	1800	The transaction timeout value, in seconds. More Info
	Save		

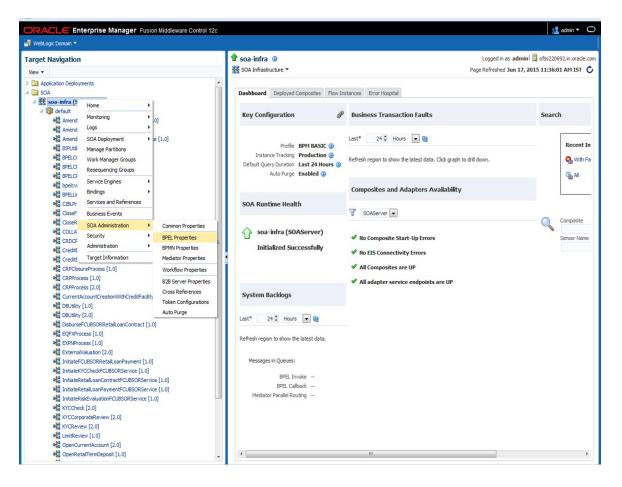
- 6. Login in to Console \rightarrow JTA
- Set the JTA timeout According to the below condition. Make sure BPELEngineBean + BPELDeliveryBean is <= JTA timeout(300+300<=600)



ORACLE WebLogic Server Adn		p Q					
Change Center	🏠 Home Log Out Preferences 📐 Record Hel	Welcome, weblogic Connected					
View changes and restarts	Home >Summary of Deployments > dev_domain						
Configuration editing is enabled. Future	Settings for dev_domain						
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Monitoring Control Securit						
Domain Structure	General JTA JPA EJBs Web Application	s Logging Log Filters					
dev_domain							
Environment Deployments	Save						
Services Security Realms Thereoperability	Use this page to define the Java Transaction API	(JTA) configuration of this WebLogic Serve	r domain.				
Diagnostics	Timeout Seconds:	3600	Specifies the maximum amount of time, in seconds, an an transaction is allowed to be in the first phase of a two-ph commit transaction. If the specified amount of time expin transaction is automatically roled back. More Info				
		3000					
	Abandon Timeout Seconds:	86400	Specifies the maximum amount of time, in seconds, transaction manager persists in attempting to comple second phase of a two-phase commit transaction.				
How do I • Configure domain JTA options	Before Completion Iteration Limit:	10	The maximum number of cycles that the transaction performs the beforeCompletion synchronization calls WebLogic Server domain. More Info				
Configure advanced domain JTA options	Max Transactions:	10000	The maximum number of simultaneous in-progress t allowed on a server in this WebLogic Server domain				
System Status Health of Running Servers	Max Unique Name Statistics:	1000	The maximum number of unique transaction names for statistics are maintained. More Info				
Failed (0) Critical (0) Overloaded (0)	Checkpoint Interval Seconds:	300	The interval at which the transaction manager creat transaction log file and checks all old transaction log they are ready to be deleted. More Info				
Warning (0) OK (4)	Write recovery logs when determiners cor	Indicates two-phase transaction recovery logs are w if one or more determiners are configured. More Ir					
	Determiners:		Specifies a list of one or more transaction resources (determiners) separated by line breaks. A determine transaction records are used during transaction reco TLog is not present. More Info				
	Fornat Hauristics		Specifies whether the transaction monaner automo				
	Forget Heuristics		Specifies whether the transaction manager auton performs an XA Resource forget operation for here				

ORACLE

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





RACLE' Enterprise Manager Fusion Middleware Cont					👥 admin 🔻	
ange Center@			Logge	din ac ad	min 🗐 ofss220692.in.orad	
			Page Refreshed Jun 17, 2015 11:37:36 AM IST			
Changes ▼ 🔝 Recording ▼	SOA Infrastructure 🕈	SOA Infrastructure > Page				
rget Navigation	System MBean Bro	owser				
ew •	Application Defin	Apply Rev				
Application Deployments	▲ i) Information					
SOA		le on this mbean are not man:	aged by the configuration session. The changes will be applied im	mediately	You cannot undo the change	
🚟 soa-infra (SOAServer)	from the Change		ged by the configuration besident me changes mill be applied in	inconcery.	rod carnot and o are chang	
⊿ () default	Show MBean In	formation				
AmendFCUBSORNFRetailLoanContract [1.0]						
AmendFCUBSORRetailLoanContract [1.0]	Attributes Operat	ions Notifications				
AmendRetailLoanContractFCUBSORService [1.0]	Name	Descript		Access	Value	
e BIPUtility [1.0]			ate location from the rest of the instance scope data			
BPELCOLLATProcess [1.0]			the number of invoke messages that can be kept in the ry cache, once the engine hits this limit, it would push the			
BPELCRPClosureProcess [1.0]	22 MaximumNumber		to dispatcher in-memory cache, instead it would save the	RW	100000	
BPELCRPProcess [1.0]			e in the db and these saved messages can be recovered using			
Generation and the second seco			y job, you can use value -1 to disable			
BPELLimitReview [1.0]	23 MaxRecoverAtte		ue specifies the maximum number of times an invoke or callback	RW	2	
G CIBLProcess [1.0]			ty will be recovered mum time duration for BPEL to do a real wait that involves a			
CloseFCUBSORRetailLoanContract [1.0]	= 24 MinBPELWait	dehvdra		RW	2	
CloseRetailLoanContractFCUBSORService [1.0]	25 objectName		ean's unique JMX name	R	oracle.as.soainfra.config:	
COLLATProcess [1.0]	26 OneWayDelivery	Policy Change	s whether the one-way invocation messages are delivered	RW	asvnc.persist	
GRDCProcess [1.0]		And to a	nable or disable coherence cache for bpel service engine. use			
CreditBureauBPEL [1.0]	27 QualityOfService		habled for enabling coherence.	RW	DirectWrite	
Ga CreditBureauHandler [1.0]	28 QualityOfService	flag to e	nable or disable coherence cache for bpel service engine when	RW	false	
GRPClosureProcess [1.0]	28 QualityOrService	auditSto	rePolicy is set to async	RW	Taise	
CRPProcess [1.0]	29 QualityOfService		nable or disable coherence cache for bpel service engine when	RW	false	
GRPProcess [2.0]		onevvay	DeliveryPolicy is set to async		()	
GurrentAccountCreationWithCreditFacility [1.0]	30 ReadOnly 31 RecoveryConfig		it indicates that this MBean is a read only MBean.	R	false	
BUtility [1.0]					javax.management.openn 50	
BUtility [2.0]	32 RecurringMaxMe	-	of messages to recover during recurring recovery	RW		
DisburseFCUBSORRetailLoanContract [1.0]	33 RestartNeeded		s whether a restart is needed.	R	false	
EQFXProcess [1.0]	34 SpecCompliance		w the implementation is compliant to the spec	RW	suggest	
EXPNProcess [1.0]	35 StartupMaxMess	ageRaiseSize Number	of messages to recover during startup recovery	RW	50	
ExternalValuation [2.0]	36 StatsLastN	The size	of the "most recently processed" request list	RW	-1	
Galactic Action Payment [1.0]	37 SyncMaxWaitTim		imum time a request/response operation will take before it	RW	45	
Contraction Contra		times ou	it. The default value is <u>45 secon</u> ds			
InitiateRetailLoanContractFCUBSORService [1.0]	38 SystemMBean		it indicates that this MBean is a System MBean.	R	false	
unitiateRetailLoanPaymentFCUBSORService [1.0]	39 ValidateXML		"true" the engine will apply schema validation for incoming and g xml documents. The default value "false".	RW	false	
G InitiateRiskEvaluationFCUBSORService [1.0]	40 Version	version	of the config file	R	11.1.0	
Wa KYCCheck [2.0]	41 Visible	If true,	it indicates that this MBean is visible to current user.	R	true	
RYCCorporateReview [2.0]	_ <		111			

1.3 Integrating Oracle FLEXCUBE IS and Scheduler

Before deploying the Oracle FLEXCUBE IS 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.



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1.4 Integrating Oracle FLEXCUBE IS and BIP Reports

You can integrate Oracle FLEXCUBE IS 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 IS and MBean

In order to integrate Oracle FLEXCUBE IS and MBean, you need to follow the below steps before deploying the Oracle FLEXCUBE IS 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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Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India

Worldwide Inquiries: Phone: +91 22 6718 3000 Fax:+91 22 6718 3001 www.oracle.com/financialservices/

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