Setting up Plug-Ins Oracle FLEXCUBE Investor Servicing Release 12.4.0.0.0 [May] [2017]



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# 1. Setting up Plug-Ins

## 1.1 Introduction

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

## 1.2 Integrating Oracle FLEXCUBE 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.

ORACLE WebLogic Server			Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security Realms		
Configuration editing is enabled. Future changes will automatically be activated as you	Home Page		
modify, add or delete items in this domain.	- Information and Resources		
Domain Structure	Helpful Tools	General Information	
Dev1201_domain B-Environment Deployments B-Services Security Realms	Configure applications     Configure and the form of the configure and the form of the configure and the configure	Common Administration Task Descriptions     Read the documentation     Ask a question on My Oracle Support	
H-Interoperability H-Diagnostics	Orade Enterprise Manager		
	— Domain Configurations		
	Domain	Services	Interoperability
	• Domain	Messaging     JMS Servers	WTC Servers     Jolt Connection Pools
How do I	Environment	<ul> <li>Store-and-Forward Agents</li> </ul>	
	Servers	JMS Modules     Path Services	Diagnostics
Search the configuration     Use the Change Center	Clusters     Server Templates	Pridaes     Pridaes	Log Files
Record WLST Scripts	Server remplates     Migratable Targets	Data Sources	Diagnostic Modules     Built-in Diagnostic Modules
Change Console preferences	Coherence Clusters	Persistent Stores	Built-in Diagnostic Modules     Diagnostic Images
Manage Console extensions	Concrete clusters     Machines	XML Registries	Request Performance
Monitor servers	Virtual Hosts	XML Entity Caches	Archives
	Work Managers	Foreign JNDI Providers	Context
System Status	Startup And Shutdown Classes	Work Contexts	• SNMP
Health of Running Servers		<ul> <li>jCOM</li> </ul>	
-	Your Deployed Resources	Mail Sessions	Charts and Graphs
Failed (0) Critical (0) Overloaded (0)	Deployments	<ul><li>FileT3</li><li>JTA</li></ul>	・ Monitoring Dashboard ゆ
Warning (0)	Your Application's Security Settings	<ul> <li>OSGI Frameworks</li> </ul>	
OK (3)	Security Realms		
WebLogic Server Version: 12.1.3.0.0			
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#### 5. Click on myrealm.

	dministration Console 12c		Q					
Change Center	🔒 Home Log Out Preferences 🖂 Record Help	٩	Welcome, weblogic Connected to: Dev1201_domai					
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.	Summary of Security Realms	indudino users, arouns, sea	arity roles, security policies, and security providersthat are used to protect. WebLogic resources. You can have multiple					
Domain Structure	security realms in a WebLogic Server domain, but o							
Dev1201_domain Devironment Deployments B-Services	This Security Realms page lats each security realm that has been configured in this WebLogic Server domain. Click the name of the realm to explore and configure that realm.							
Security Realms	Realms (Filtered - More Columns Exist)							
Diagnostics	New Delete		Showing 1 to 1 of 1 Previous   Next					
	🔲 Name 🌣		Default Realm					
	myrealm		true					
	New Delete		Showing 1 to 1 of 1 Previous   Next					
How do I 😑								
Configure new security realms								
Delete security realms								
Change the default security realm								
System Status E								
System Status  Health of Running Servers								
Failed (0)								
Critical (0)								
Overloaded (0)								
Warning (0)								
OK (3)								
WebLogic Server Version: 12.1.3.0.0								
Copyright (c) 1996,2014, Oracle and/or its affiliates. Al	ll rights reserved. n and/or its affiliates. Other names may be trademarks of their							

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.

	· · · · · · · · · · · · · · · · · · ·	0
	dministration Console 12c	Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers >FCJCustomProvider >Providers	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Authentication Provider           OK         Cancel	
Domain Structure	Create a new Authentication Provider	
Dev 120 1_domain	The following properties will be used to identify your new Authentication Provider. * Indicates required fields	
Security Realms     Diagnostics	The name of the authentication provider. * Name: FCJCustomiProvider	
	This is the type of authentication 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)		
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. A Oracle is a registered trademark of Oracle Corporation	I njoha reserved. n and/or its affiliates. Other names may be trademarks of their respective owners.	



#### 8. Click Reorder to bring provider to first of all providers and click OK.

ORACLE WebLogic Server Ad	Iministration Cons	ole 12c								
ange Center	Home Log C	Out Preferences 🔼	Record Help	Q				١	Velcome, weblog	Jic Connected to: Dev120
View changes and restarts Home > Summary of Security Realms > Providers > PCOLustomProvider > Providers										
figuration editing is enabled. Future nges will automatically be activated as you lify, add or delete items in this domain.	Messages	eration cancelled - no	Authentication Provid	iers created.						
	Settings for my	/realm								
ain Structure	Configuration	Users and Groups	Roles and Policies	Credential Mappin	s Provider	ns Migratio	on			
201_domain nvironment eployments	Authenticatio	on Password Valid	ation Authorization	Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path	Keystores	
lagnostics	Customize t	his table	you to work with use	rs and groups from p	revious release	es of WebLo	gic Server.			nowing 1 to 4 of 4 Previous
do L	Name		<u> </u>	c	escription				3	Version
onfigure Authentication and Identity sertion providers		mProvider			-	rovider for F	LEXCUBE users			FCUBS 12.1
infigure the Password Validation provider	Trust Ser	vice Identity Asserte	a	т	Trust Service Identity Assertion Provider WebLogic Authentication Provider					1.0
nage security providers	DefaultA	uthenticator		v						1.0
t the JAAS control flag	Defaultio	lentityAsserter		v	ebLogic Identit	1.0				
e-order Authentication providers	New De	lete Reorder							s	nowing 1 to 4 of 4 Previous
tem Status 🛛 🖂										
Failed (0)										
Critical (0)										
Overloaded (0) Warning (0)										
OK (3)										
ebLogic Server Version: 12.1.3.0.0										
pyright (c) 1996,2014, Oracle and/or its affiliates. Al acle is a registered trademark of Oracle Corporation										

	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 >Provi	riders > FCJCustomProvider > <b>Providers</b>	
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 120 1_domain	Select authenticator(s) in the list and use arrows to	ng the list below. By reordering Authentication Prov move them up and down in the list.	rders, you can alter the authentication sequence.
How do L.	Authentication Providers:         Available:         FCCustomProvider         Trust Service Identity Asse         DefaultAuthenticator         DefaultIdentityAsserter         Z		
Re-order Authentication providers     Set the JAAS control flag	OK Cancel		
System Status			
Health of Running Servers			
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)			
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	II rights reserved. n and/or its affiliates. Other names may be trademarks of their	ir respective owners.	



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

Change Center	Home Log Out Preferer	nces 🛃 Record Help	Welcome, weblogic Connected to: Dev1201_domai							
-		Home > Summary of Security Realms > myrealm > Providers > FCICustomProvider								
View changes and restarts										
Configuration editing is enabled. Future	Settings for FCJCustomPr	ovider								
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration									
Domain Structure	Common Provider Spec	ific								
Dev 120 1_domain	Save									
Deployments	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										
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.

	ministration 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 >Providers	>FCJCustomProvider >Providers >FCJCustomProvider	
Configuration editing is enabled. Future	Settings for FCJCustomProvider		
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration		
Domain Structure	Common Provider Specific		
Dev1201_domain B ·Environment	Save		
Deployments El-Services	This page allows you to configure additional attributes	for this security provider.	
Security Realms El-Interoperability	🔲 🟀 Ldap SSLEnabled		
	Authentication Type:	MSAD -	
	近 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)	🗐 街 Msad Or Ldap Login Required		
Critical (0) Overloaded (0)	🎢 JNDIName:	jdbc/fcjdevDS	
Warning (0) OK (3)	Save		
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12. For manually editing the config.xml go to

<ORACLE\_HOME>\Middleware\user\_projects\domains\base\_domain\config\ path. Open config.xml file. The following codes need to be added at proper locations in the config.xml. a) Search for < realm> tag and add the following code between <realm> and </ realm> tags.This should be the first child of the realm Node.

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

<sec:name>FCJCustomProvider</sec:name>

<sec:control-flag>SUFFICIENT</sec:control-flag>

<n1:msad-or-ldap-login-required>true</n1:msad-or-ldap-login-required>

<n1:external-password-required>true</n1:external-password-required>

<n1:authentication-type>MSAD</n1:authentication-type>

<n1:Idap-server-ip-and-port>LDAP://localhost:389</n1:Idap-server-ip-and-port>

<n1:ldap-ssl-enabled>true</n1:ldap-ssl-enabled>

<n1:security-authentication-type>simple</n1:security-authentication-type>

<n1:Idap-domain-name>OFSS.COM</n1:Idap-domain-name>

<n1:Idap-server-time-out-duration>0</n1:Idap-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.
- Copy the fcubs\_adapter.xml to </MIDDLEWARE\_HOME>/oracle\_common/modules/oracle.ovd/templates/



fcubs\_adapter.xml

7. Search for <FCUBSDATASOURCE> in fcubs\_adapter.xml and update it with fcubs Datasource name.



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.



fcubs\_adapter\_ EntityId.xml

 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%,<mark>ou=</mark>< EntityId>,dc=oracle,dc=com"/>

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

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

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

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

libovdadapterconfig.sh -adapterName fcubsAdapter -adapterTemplate fcubs\_adapter\_< EntityId >.xml -host <ADMIN\_SERVER\_HOST> -port <ADMIN\_PORT> -userName <WEBLOGIC\_USERID> domainPath <DOMAIN\_HOME> -dataStore DB -root ou=<EntityId>,dc=oracle,dc=com -contextName default -dataSourceJNDIName <FCUBSDATASOURCE name which we mapped in step4>

9. Repeat from step2 to 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.

	<ul> <li>Information and Resources</li> </ul>		
Domain Structure	Helpful Tools	General Information	
soa domain	Configure applications	<ul> <li>Common Administration Task Descriptions</li> </ul>	
Domain Partitions	Configure GridLink for RAC Data Source	<ul> <li>Read the documentation</li> </ul>	
Environment	Configure a Dynamic Cluster	<ul> <li>Ask a question on My Oracle Support</li> </ul>	
Deployments Deployments	<ul> <li>Recent Task Status</li> </ul>		
-Security Realms	<ul> <li>Set your console preferences</li> </ul>		
Interoperability	Oracle Enterprise Manager		
	- Domain Configurations		
	Domain	Resource Group Templates	Interoperability
	• Domain	<ul> <li>Resource Group Templates</li> </ul>	WTC Servers
			Jolt Connection Pools
How do I 🗆	Domain Partitions	Resource Groups	
now do 1	Domain Partitions	<ul> <li>Resource Groups</li> </ul>	Diagnostics
<ul> <li>Search the configuration</li> </ul>	<ul> <li>Partition Work Managers</li> </ul>		Log Files
Use the Change Center		Deployed Resources	Diagnostic Modules
Record WLST Scripts	Environment	<ul> <li>Deployments</li> </ul>	Built-in Diagnostic Modules
<ul> <li>Change Console preferences</li> </ul>	Servers		Diagnostic Images
<ul> <li>Manage Console extensions</li> </ul>	Clusters	Services	Request Performance
Monitor servers	<ul> <li>Server Templates</li> </ul>	Messaging	Archives
	<ul> <li>Migratable Targets</li> </ul>	<ul> <li>JMS Servers</li> </ul>	Context
System Status 🖂	Coherence Clusters	<ul> <li>Store-and-Forward Agents</li> </ul>	SNMP
Health of Running Servers	Machines	<ul> <li>JMS Modules</li> </ul>	Interceptors
Failed (0)	Virtual Hosts	<ul> <li>Path Services</li> </ul>	
Critical (0)	Virtual Targets	<ul> <li>Bridges</li> </ul>	Charts and Graphs
Overloaded (0)	Work Managers	Data Sources	<ul> <li>Monitoring Dashboard IP</li> </ul>
Warning (0)	Concurrent Templates	<ul> <li>Persistent Stores</li> </ul>	
OK (3)	Resource Management	XML Registries	
	<ul> <li>Startup And Shutdown Classes</li> </ul>	XML Entity Caches	
		<ul> <li>Foreign JNDI Providers</li> </ul>	
	Application's Security Settings	Work Contexts	
	<u>Security Realms</u>	• jCOM	
		Mail Sessions	
		FileT3	
		• JTL •	
		<ul> <li>OSGi Frameworks</li> </ul>	



3. Click on myrealms.

	dministration Concole 12a		C
	Home Log Out Preferences Record Help	Q	Welcome, weblogic Connected to: soa_dom
Change Center			
View changes and restarts	Home >Summary of Servers >Summary of Security Real	Ims >myrealm >Providers >FCUBS >Summary of Security Realm	15 >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Summary of Security Realms		
Domain Structure	A security realm is a container for the mechanisms active security realms in a WebLogic Server domain,	-including users, groups, security roles, security policies, and , but only one can be set as the default security realm, which	security providersthat are used to protect WebLogic resources. You can have multiple n is reserved for domain administrative purposes.
soa_domain Domain Partitions Dr.Fnvironment	This Security Realms page lists each security realm t	that has been configured in this WebLogic Server domain. Ci	ick the name of the realm to explore and configure that realm.
Deployments	Customize this table		
Security Realms	Realms (Filtered - More Columns Exist)		
Interoperability     Diagnostics	New Delete		Showing 1 to 1 of 1 Previous   Next
	🗐 Name 🏟	Default Realm	
	myrealm	true	
	New Delete		Showing 1 to 1 of 1 Previous   Next
How do I			
Configure new security realms			
Enable automatic realm restart			
Delete security realms			
Change the default security realm			
System Status			
System Status  Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (3)			
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation	II rights reserved. n and/or its affiliates. Other names may be trademarks of their r	respective owners.	

4. Click on Providers.

ORACLE WebLogic Server Ad					Q						
Change Center	_	Dut Preferences 🔛		Welcome, weblogic Connected to: soa_do							
View changes and restarts	Home >Summar	ry of Security Realms >r	nyrealm >Provider	s >FCUBS >Sur	nmary of Secu	rity Realms >m	/realm >Summar	ry of Security Realms >myrealm >Summary of Security Realms > <b>myrealm</b>			
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for my	yrealm									
modify, add or delete items in this domain.	Configuration	Users and Groups	Roles and Poli	cies Credent	ial Mappings	Providers	Migration				
Domain Structure	General R	OBMS Security Store	User Lockout	Performance		Pro	oviders- Tab				
soa_domain Domain Partitions Environment	Save										
Deployments     Services     Services     Security Realms     theroperability     Deployments	Note: If you	to configure the gene u are implementing sec vailable and the securi	urity using JACC	(Java Authoriza	tion Contract			ISR 115), you must use the DD Only security model. Other WebLagic Server models are disabled.			
	Name:			myrealm				The name of this security realm. More Info			
	👸 Security I	Model Default:		DD Only		•		Specifies the default security model for Web applications or EXBs that are secured by this security realm. You can override this default during deployment. More Info			
How do L. • Configure new security realms • Enable automatic realm restart	🔽 🛃 Combi	ned Role Mapping I	inabled					Detemines how the role mappings in the Enterprise Application, Web application, and E.B. containers interact. This setting is valid only for Web applications and ER that the the Advanced security model and that initialize roles from deployment descriptors. <b>More Info</b>			
Manage security for Web applications and EXBs     Set the default security model	Use Authorization Providers to Protect JHX Access							Configures the WebLogic Server MBean servers to use the security realm's Authorization providers to determine whether a JMC client has permission to access an MBean attribute or invoke an MBean operation. More Info			
Delegate MBean authorization to the realm  System Status	Automatically 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)	- Advance	d									
Critical (0) Overloaded (0)	Save										
Warning (0)											
OK (3)											
WebLogic Server Version: 12.2.1.0.0 Convolute to 1995 2015 Convolution and for the utilitation All	rights many and										
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#### 5. Click on New

ORACLE WebLogic Server Ad	dministration Cons	ole 12c									
Change Center	🔒 Home Log O	😰 Home Log Out Preferences 🔤 Record Help									
View changes and restarts	Home >myrealm	>Providers >FCUBS	Summary of Security	Realms >myrealm >S	ummary of Secu	ity Realms >m	yrealm >Summary of	Security Realms >myre	alm > <b>Providers</b>		
Configuration editing is enabled. Future	Settings for my	realm									
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration	Users and Groups	Roles and Policies	Credential Mappin	gs Provider	s Migration	n				
Domain Structure	Authenticatio	n Password Valid	ation Authorization	n Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path			
soa_domán ⊕ Comain Partitions ⊕ Environment I - Depioyments ⊕ Services ⊕ Services ⊕ Intercoperability ⊕ Diagnostics		security realm. Differ his table on Providers						provider in a security i s LDAP servers or DBI	15.	gure multiple Authenticati	
	Name	ſ	Description					Version			
	FCUBS	A	Authentication provider for FLEXCUBE users					FCUBS 12.2			
How do I 🗉	Trust Ser	vice Identity Asserte	r	Т	rust Service Ide		1.0				
Configure Authentication and Identity	🔲 DefaultAu	V	WebLogic Authentication Provider					1.0			
Assertion providers	🔲 DefaultId	entityAsserter		V	WebLogic Identity Assertion provider					1.0	
Configure the Password Validation provider     Manage security providers     Set the JAAS control flag	New Del	ete Reorder							Showing	1 to 4 of 4 Previous   1	
Re-order Authentication providers											
System Status											
Failed (0)           Ortical (0)           Overloaded (0)           Warmg (0)           OK (3)											

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

hange Center	😭 Home Log Out Preferences 🖾 Record Help
/iew changes and restarts	Home > FCUBS > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm > Summary of Security Realms > myrealm > Providers > ENTITYID > Providers
Configuration editing is enabled. Future hanges will automatically be activated as yo nodify, add or delete items in this domain.	OU Create a New Authentication Provider
omain Structure	Create a new Authentication Provider
pa_domain Domain Partitions Environment Deployments	The following properties will be used to identify your new Authentication Provider. * Indicates required fields
B-Services Security Realms B-Interoperability B-Diagnostics	The name of the authentication provider .           * Name:         ENTITYID
low do I	This is the type of authentication provider you wish to create.  Type: FCUBSUserAuthenticator  OK Cancel
Manage security providers     Configure Authentication and Identity     Assertion providers	
iystem Status	8
lealth of Running Servers	
Failed (0) Critical (0)	
Overloaded (0) Warning (0)	



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

0	
	Iministration Console 12c
Change Center	😰 Home Log Out Preferences 🗠 Record Help
View changes and restarts	Home >FCUBS >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Reorder Authentication Providers           OK         Cancel
Domain Structure	Reorder Authentication Providers
soa_domain Domain Partitions	You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter the authentication sequence.
Environment Deployments	Select authenticator(s) in the list and use arrows to move them up and down in the list.
Services	🕼 Authentication Providers:
Security Realms	Available:
Diagnostics	CUBS
	Trust Service Identity Asse
	Default/authenticator
	DefaultidentityAsserter Z
How do I	
Re-order Authentication providers	OK Cancel
Set the JAAS control flag	
System Status	
Health of Running Servers	
Failed (0)	
Critical (0) Overloaded (0)	
Warning (0)	
OK (3)	
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Oracle is a registered trademark of Oracle Corporation	anojor its amates. Uner names may be trademarks of their respective owners.

8. Click the Provider that we have created.

	Iministration Console 12c		Õ
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome	e, weblogic Connected to: soa_domai
View changes and restarts	Home >myrealm >Summary of Security Realms >myrealm >Summary of	scurity Realms >myrealm >Providers >ENTITYID >Providers >ENTITYID > <b>Providers</b>	
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for myrealm		
modify, add or delete items in this domain.	Configuration Users and Groups Roles and Policies Credenti	Mappings Providers Migration	
Domain Structure	Authentication Password Validation Authorization Adjudie	tion Role Mapping Auditing Credential Mapping Certification Path	
soa_domain <sup>®</sup> Domain Partitions <sup>®</sup> Environment <sup>®</sup> Services <sup>®</sup> Services <sup>®</sup> Services <sup>®</sup> Services <sup>®</sup> Theroperability <sup>®</sup> Dagnostics	An Authentication provider allows WebLogic Server to establish true providers in a security realm. Different types of Authentication prov Customize this table Authentication Providers	by validating a user. You must have one Authentitication provider in a security realin, and you lers are designed to access different data stores, such as LDAP servers or DBMS.	can configure multiple Authentication
	Name	Description	Version
	ENTITYID	Authentication provider for FLEXCUBE users	FCUBS 12.2
How do I	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 • Configure the Password Validation provider	DefaultAuthenticator	WebLogic Authentication Provider	1.0
Configure the Password validation provider     Manage security providers	DefaultIdentityAsserter	WebLogic Identity Assertion provider	1.0
Set the JAAS control flag	New Delete Reorder		Showing 1 to 5 of 5 Previous   Next
Re-order Authentication providers			
System Status  Health of Running Servers Faled (0) Gritcal (0) Overloaded (0) Warning (0) OK (3) WebLogic Server Version: 12-21.0.0			
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9. In Common tab, select the control flag as SUFFICENT from the list and click Save.

Change Center	🔒 Home Log Out Prefe	rences 🔤 Record Help	Welcome, weblogic Connected to: soa_							
View changes and restarts	Home >Summary of Secur	ity Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Provident	ders >ENTITYID >Providers >ENTITYID							
Configuration editing is enabled. Future	Settings for ENTITYID	Settings for ENTITYID								
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration									
Domain Structure	Common Provider Sp	ecific								
soa_domain ⊕-Domain Partitions ⊕-Environment	Save									
Deployments	This page allows you to	define the general configuration of this provider.								
Services Security Realms	🕂 Name:	ENTITYID								
B-Interoperability B-Diagnostics	Description:	Authentication provider for FLEXCUBE users								
	Version:	FCUBS 12.2								
	🚯 Control Flag:	SUFFICIENT •								
How do I	Save									
No task help found.										
System Status	3									
Health of Running Servers										
Failed (0)										
Critical (0)										
Overloaded (0) Warning (0)										
OK (3)										
WebLogic Server Version: 12.2.1.0.0	-									

10. Select the provider Specific tab.

	Iministration Console 12c		Ģ						
Change Center	▲ Home Log Out Preferences ► Record Help	Q	Welcome, weblogic Connected to: soa_doma						
View changes and restarts	Home >Summary of Security Realms >myrealm >Summary of	Security Realms >myrealm >Providers >ENTITYID >Providers >ENTITYI	ID >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	Save								
Environment	This page allows you to configure additional attributes fo	This page allows you to configure additional attributes for this security provider.							
Deployments     Services	A Ldap Server Ip And Port:								
Security Realms Security Realms		localhost389							
B-Diagnostics	街 JNDIName:	jdbc/fcjdevDS							
	🔲 👸 External Password Required								
	街 Ldap Server Time Out Duration:	0							
How do I  No task help found.	🔲 🛃 Multi Entity Enabled								
System Status 🖂	Escurity Authentication Type:	simple •							
System Status  Health of Running Servers	赶 Entity Id:	ENT1							
Faled (0) Critical (0) Overloaded (0)	縃 Ldap Domain Name:	OFSS.COM							
Warning (0) OK (3)	🔲 街 Ldap SSLEnabled								
·	🔲 👸 Msad Or Ldap Login Required								
	Authentication Type:	MSAD -							
	Save								
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11. Change the JNDI name to the Datasource JNDI name which have mapped to the entity in the property file level and check the multi entity enabled checkbox.

Change Center	Home Log Out Preferences 🔤 Record Help	<u> </u>	Welcome, weblogic Connected to: soa_d
View changes and restarts	Home >Summary of Security Realms >myrealm >Summary	of Security Realms >myrealm >Providers >ENTITYID >Providers	>ENTITYID >Providers >ENTITYID
Configuration editing is enabled. Future	Settings for ENTITYID		
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration		
Domain Structure	Common Provider Specific		
oa_domain ① Domain Partitions	Save		
Environment Deployments	This page allows you to configure additional attributes	for this security provider.	
B-Services Security Realms	👸 Ldap Server Ip And Port:	localhost389	
<ul> <li>Interoperability</li> <li>Diagnostics</li> </ul>	8월 JNDIName:	jdbc/fcjdevDS	
	External Password Required		
	(E Ldap Server Time Out Duration:	0	
How do I	🖉 🖑 Multi Entity Enabled		
No task help found.			
System Status	Security Authentication Type:	simple 💌	
Health of Running Servers		ENT1	
Failed (0) Critical (0) Overloaded (0)	🥰 Ldap Domain Name:	OFSS.COM	
Warning (0) OK (3)	🔄 🛃 Ldap SSLEnabled		
	📕 👘 Msad Or Ldap Login Required		
	() Authentication Type:	MSAD -	
	Save		

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	Q	Welcome, weblogic Connected to: soa_do
View changes and restarts	Home >Summary of Security Realms >myrealm >Summa	ry of Security Realms >myrealm >Providers >ENTITYID >Provid	ers >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	Save		
Environment     Deployments	This page allows you to configure additional attribute	es for this security provider.	
B-Services Security Realms B-Interoperability	🕂 Ldap Server Ip And Port:	localhost.389	
Diagnostics	④ JNDIName:	jdbc/fcjdevDS	
	🗐 👸 External Password Required		
	र्तुः Ldap Server Time Out Duration:	0	
How do I	🗆 📝 🖧 Multi Entity Enabled		
No task help found.	E Security Authentication Type:	simple -	
System Status	8		
Health of Running Servers	👘 Entity Id:	ENT1	
Failed (0) Critical (0) Overloaded (0)	🊝 Ldap Domain Name:	OFSS.COM	
Warning (0) OK (3)	🗐 🕂 Ldap SSLEnabled		
	🔄 👘 Msad Or Ldap Login Required		
	🔁 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'.

	ninistra	tion Console 12c					
Change Center	🔒 н	me Log Out Preferences 🖂 Record Help			v	/elcome, weblogic Conn	ected to: Dev1201_doma
View changes and restarts	Hom	>Summary of Deployments					
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.		ary of Deployments rol Monitoring					
Domain Structure	(rei Toi Dep	page displays a list of Java EE applications and stand-alone application modules that have been insti episyed), or deleted from the domain by first selecting the application name and using the controls o isstall a new application or module for deployment to targets in this domain, click the Install button. tomize this table loyments			nstalled application		
		tal Update Delete Start ∨ Stop ∨	State	Health	Туре	Showing 1 to 4	7 of 47 Previous   Next
		AqAdapter .	Active	🖋 ОК	Resource Adapter	soa_server1	324
Instal an enterprise application		E CPppm	Active	🖋 ок	Enterprise Application	soa_server1	313
Configure an enterprise application     Update (redeploy) an enterprise application		E BanComposer	New		Enterprise Application	bam_server1	500
Start and stop a deployed enterprise     application		E BamCQService	New		Enterprise Application	bam_server1	300
Monitor the modules of an enterprise application		E BanServer	New		Enterprise Application	bam_server1	400
Deploy EJB modules     Install a Web application		■ <sub>EB</sub> BPMComposer	Active	🖋 ок	Enterprise Application	soa_server1	385
iystem Status 🗉		Scoherence-transaction-rar	Active	🖋 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
lealth of Running Servers		CoherenceAdapter	Installed		Resource Adapter		331
Failed (0) Critical (0)		G DbAdapter	Active	🖋 ок	Resource Adapter	soa_server1	322
Overloaded (0) Warning (0)		E DefaultToDoTaskFlow	Active	🖋 ОК	Enterprise Application	soa_server1	314
OK (2)		E DMS Application (12.1.3.0.0)	Active	🖋 ок	Web Application	AdminServer, bam_server1, soa_server3	5
		E Com	Active	🖋 ок	Enterprise Application	AdminServer	400
		HFCUBSApp (12.1.0.0)	Prepared	🖋 ок	Enterprise Application	soa_server1	500



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

	dministration C	Console 12c													Õ
Change Center	Home L	.og Out Prefe	rences 🔤 Record Hel;	•   📃		Q					w	elcome, web	logic Connecte	d to: Dev120	1_domain
View changes and restarts	Home >Sur	mmary of Depk	yments >DbAdapter												
Configuration editing is enabled. Future	Settings for DbAdapter														
changes will automatically be activated as you modify, add or delete items in this domain.	Overview	Deployment	Plan Configuration	Security	Targets	Control	Testing	Monitoring	Notes						
Domain Structure	General	Properties	Outbound Connectio	n Pools	Admin Object	s World	oad Ins	trumentation							
Dev1201_domain Dev1201_domain Dev1200_provents	This page diplays 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 listed 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 displayed in the table below. Outbound Connection Pool Configuration Table														
	New Delete												Showing 1 to 1	of 1 Previous	Next
	🔲 Gro	ups and Ins	tances 🐟					Connection Factory Interface							
	e j	avax.resource	.cci.ConnectionFactory					javax.resource.cci.ConnectionFactory							
	New	Delete											Showing 1 to 1	of 1 Previous	Next
How do I															
<ul> <li>Configure outbound connection pool properties</li> </ul>															
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			is may be trademarks of th	eir respectiv	e 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 1	Log Out Prefer	ences 🔤 Re	Welcome,	weblogic Connected to: Dev1201_dom				
View changes and restarts	Home >St	ummary of Deploy	ments >DbAda	apter					
Configuration editing is enabled. Future	Settings f	or javax.resou	rce.cci.Conn	ectionFactory					
changes will automatically be activated as you modify, add or delete items in this domain.	General	Properties	Transaction	Authentication	Connection P	col Logging			
Domain Structure Jev 1201_domain ƏrEnvironment Deployments		e allows you to a		y the configuration	properties of t	nis outbound connection poo	al. Properties you modify here are save	d to a deployment	plan.
Services     Security Realms	Save								Showing 1 to 8 of 8 Previous   Next
Interoperability     Diagnostics	Proper	ty Name 🗠		Property Type	Prop	erty Value		Suj	oports Dynamic Updates
	DataSou	irceName		java.lang.String	jdbc/l	:jdevDS		fals	•
	Default	iChar		java.lang.Boolean	false			fals	•
	Platform	ClassName		java.lang.String	org.e	lipse.persistence.platform.o	database.Oracle10Platform	fals	•
	Sequence	ePreallocationSi	ze	java.lang.Integer	50			fals	•
	UsesBat	chWriting		java.lang.Boolean	true			fals	•
How do I 🗉	UsesNat	iveSequencing		java.lang.Boolean	true			fals	•
Configure outbound connection pool	UsesSkip	Locking		java.lang.Boolean	true			fals	•
properties	XADatas	SourceName		java.lang.String				fals	2
System Status 🖂	Save								Showing 1 to 8 of 8 Previous   Next
Health of Running Servers									
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)									

- 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	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	<ul> <li>Common Administration Task Descriptions</li> </ul>	
E-Environment	<ul> <li>Configure GridLink for RAC Data Source</li> </ul>	<ul> <li>Read the documentation</li> </ul>	
Servers III-Clusters  □	<ul> <li>Configure a Dynamic Cluster</li> </ul>	<ul> <li>Ask a question on My Oracle Support</li> </ul>	
Coherence Clusters	<ul> <li>Recent Task Status</li> </ul>		
Machines	<ul> <li>Set your console preferences</li> </ul>		
Virtual Hosts	<ul> <li>Oracle Enterprise Manager</li> </ul>		
Work Managers			
LStartup and Shutdown Classes	- Domain Configurations		
E-Services	Domain	Services	Interoperability
E-Messaging	Domain	Messaging	WTC Servers
JMS Servers		JMS Servers	Iolt Connection Pools
Store-and-Forward Agents		<ul> <li>Store-and-Forward Agents</li> </ul>	• Solic Connection Pools
How do I	Environment	<ul> <li>JMS Modules</li> </ul>	
	Servers	<ul> <li>ans modules</li> <li>Path Services</li> </ul>	Diagnostics
Search the configuration	Clusters		Log Files
Use the Change Center	<ul> <li>Server Templates</li> </ul>	<ul> <li>Bridges</li> </ul>	Diagnostic Modules
Record WLST Scripts	<ul> <li>Migratable Targets</li> </ul>	Data Sources	Built-in Diagnostic Modules
Change Console preferences	Coherence Clusters	<ul> <li>Persistent Stores</li> </ul>	Diagnostic Images
Manage Console extensions	Machines	XML Registries	Request Performance
Monitor servers	Virtual Hosts	XML Entity Caches	Archives
	Work Managers	<ul> <li>Foreign JNDI Providers</li> </ul>	Context
System Status	Startup And Shutdown Classes	Work Contexts	• SNMP
Health of Running Servers	<ul> <li>Startup And Shattown Glasses</li> </ul>	• iCOM	
Health of Running Servers		Mail Sessions	Charts and Graphs
Failed (0)	Your Deployed Resources	• EleT3	
Critical (0)	<ul> <li>Deployments</li> </ul>	• JTA	Monitoring Dashboard
Overloaded (0)		OSGi Frameworks	
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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hange Center		🏦 Home Log Out Preferences 🔛 Record Help			Welcome, admin Con	nected to: AlphaDom
/iew changes and restarts		Home >AlphaDomain >Summary of JMS Servers				
Configuration editing is enabled. Future		Summary of JMS Servers				
hanges will automatically be activated as you nodify, add or delete items in this domain.	<u></u>	JMS servers act as management containers for the	e queues and topics in JMS modules that are targeted to them.			
Domain Structure IphaDomain Ə-Environment	-	This page summarizes the JMS servers that have b	peen created in the current WebLogic Server domain.			
Servers Clusters Coherence Clusters	Е	Customize this table				
Machines Virtual Hosts		JMS Servers (Filtered - More Columns Exist)	1		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-Enrward Agents	-	BamReportCacheJmsServer	BamReportCacheJmsFileStore	BAMServer	BAMServer	
low do L		BamServerJmsServer_BAMServer	BamServerJmsFileStore_BAMServer	BAMServer	BAMServer	
Configure JMS servers		BPMJMSServer	BPMJMSFileStore	SOAServer	SOAServer	🖋 ОК
Configure JMS system modules		SOAJMSServer	SOAJMSFileStore	SOAServer	SOAServer	🖋 ОК
		UMSJMSServer_auto_1	UMSJMSFileStore_auto_1	BAMServer	BAMServer	
ystem Status		UMSJMSServer_auto_2	UMSJMSFileStore_auto_2	SOAServer	SOAServer	🖋 ОК
ealth of Running Servers Failed (0)		UMSJMSServer_auto_2 New Delete	UMSJMSFileStore_auto_2	SOAServer		of 8 Previous   Nex
Critical (0)	14					
Overloaded (0)						
Warning (0)						
OK (2)						

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 liew JHS Server Book Next Frink Cancel	
Domain Structure	JMS Server Properties	
AphaDomain	The following properties will be used to identify your new 3MS Server. * Indicates required fields	
Coherence Clusters Machines Virtual Hosts Work Managers Startup and Shutdown Classes	What would you like to name your new JMS Server?	
Deployments	Specify persistent store for the new JMS Server.	
Services     Hessaging     Honores     Servers     Store-and-Forward Agents	Persistent Store: SOAJMSFileStore  Create a New Store	
How do I	Back Next Finish Cancel	
Configure JMS system modules		
Configure custom persistent stores		
System Status		
Health of Running Servers		
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)		
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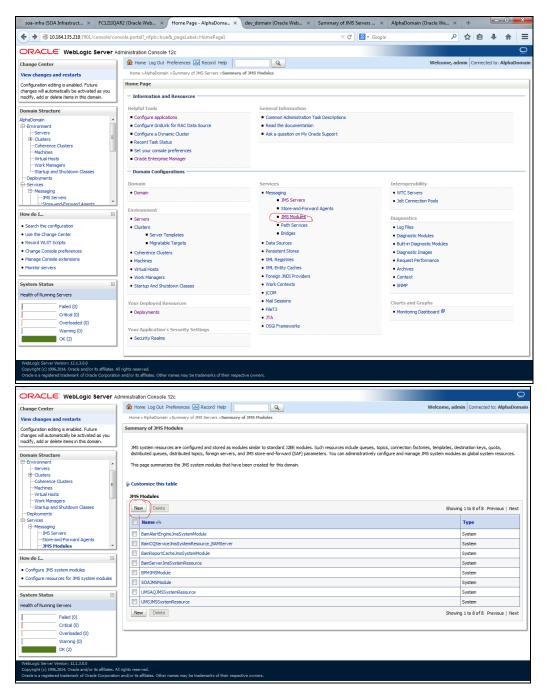


12. Select the target as SOA Server  $\rightarrow$  Finish

	dministration Console 12c				Q
Change Center	🏠 Home Log Out Preferences 📐 Record Help	Q		Welcome, adr	nin Connected to: AlphaDomain
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				
AlphaDomain	Select targets				
🛱 Environment	Select the server instance or migratable target on which you	would like to deploy this JMS Server.			
Servers Servers	Target: SOAServ	er 💌			
Coherence Clusters	Back Next Finish Cancel				
Virtual Hosts	Back IVER PHILISH CallOa				
Work Managers Startup and Shutdown Classes					
Deployments Services					
. Hessaging					
JMS Servers					
How do I					
Configure JMS system modules					
Configure custom persistent stores					
System Status 🖂					
Health of Running Servers					
Failed (0)					
Critical (0) Overloaded (0)					
Warning (0)					
OK (2)					
WebLogic Server Version: 12.1.3.0.0					
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					-
ORACLE WebLogic Server Adr					õ
Change Center	Home Log Out Preferences Record Help	Q		Welcome, admin Cor	nected to: AlphaDomain
View changes and restarts	Messages				
changes will automatically be activated as you	All changes have been activated. No restarts are necessary.				
modify, add or delete items in this domain.	JMS Server created successfully				
Domain Structure	Summary of JMS Servers				
AlphaDomain					
Servers	JMS servers act as management containers for the queues and t	-			
Coherence Clusters	This page summarizes the JMS servers that have been created in	the current WebLogic Server domain.			
Machines Virtual Hosts	Customize this table				
Work Managers Startup and Shutdown Classes					
Deployments	JMS Servers (Filtered - More Columns Exist)				
Messaging	New Delete			Showing 1 to 9	of 9 Previous   Next
JMS Servers Store-and-Enoward Agents	🔲 Name 🗇	Persistent Store	Target	Current Target	Health
How do I	BamAlertEngine.3msServ Sort table by Name	BamAlertEngine3msFileStore	BAMServer	BAMServer	
Configure JMS servers	BamCQServiceJmsServer_BAMServer	BamCQServiceJmsFileStore_BAMServer	BAMServer	BAMServer	
Configure JMS system modules	BamReportCacheJmsServer	BamReportCacheJmsFileStore	BAMServer	BAMServer	
System Status	BamServerJmsServer_BAMServer     BPMJMSServer	BamServerJmsFileStore_BAMServer BPMIMSEleStore	BAMServer	BAMServer	<pre>✓ OK</pre>
Health of Running Servers	EPMIMSServer	SQAJMSFileStore SQAJMSFileStore	SOAServer	SOAServer	≪ ok ≪ ok
Failed (0)	SOAJMSServer	SOAJMSFileStore	SOAServer	SOAServer	✓ OK
Failed (0) Critical (0)	UMSJMSServer_auto_1	UMSJMSFileStore_auto_1	BAMServer	BAMServer	
Overloaded (0)	UMSJMSServer_auto_2	UMSJMSFileStore_auto_2	SOAServer	SOAServer	✓ ок
Warning (0) OK (2)	New Delete			Showing 1 to 9	of 9 Previous   Next
Un (2)					
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

	dministration Console 12c Q
Change Center	🏦 Home Log Out Preferences 🖂 Record Help
View changes and restarts	Home > AlphaDomain > Summary of JMS Servers > Summary of JMS Hodules
Configuration editing is enabled. Future changes will automatically be activated as you	Create JHS System Hodule
modify, add or delete items in this domain.	Back Next Finah Cancel
Domain Structure	The following properties will be used to identify your new module.
AlphaDomain	
Servers	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	
Work Managers Startup and Shutdown Classes	What would you like to name your System Module?
Deployments	* Name: FCUBSJMSModule
Services     B-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 servers	Location In Domain:
System Status	
Health of Running Servers	Back Next Finish Cancel
Failed (0)	
Critical (0)	
Overloaded (0) Warning (0)	
OK (2)	
WebLogic Server Version: 12.1.3.0.0	
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Oracle is a registered trademark or Oracle Corporato	n ang/or to amages. Uner names may be trademarks of uner respective conness.
Change Center	Administration Console 122 A Home Log Out Preferences & Record Help     Q     Welcome, admin     Connected to: AlphaDo
Change Center View changes and restarts	Administration Console 122 Record Help Qui Preferences Record Help Qui Preference
Change Center View changes and restarts Configuration editing is enabled. Future changes wil automatically be activated as you	Administration Console 12/2 Methode Log Out Preferences Record Help Home >AlphaDomain >Summary of JHS Servers >Summary of JHS Hodules Create JHS System Module
Change Center View changes and restarts Configuration editing is enabled. Future	Administration Console 122 Record Help Qui Preferences Record Help Qui Preference
Change Center View changes and restarts Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain. Domain Structure	Administration Console 12/2 Methode Log Out Preferences Record Help Home >AlphaDomain >Summary of JHS Servers >Summary of JHS Hodules Create JHS System Module
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Change Center View Changes and restarts Configuration editing is enabled. Future changes will automatically be activated as you modify, add or dekte items in this domain. Domain Structure AlphaDomain G. Environment G. Environment G. Environment G. Underss G. Under	Readministration Consolid 122       Welcome, admin       Connected to: AlphaDon         Welcome, admin       Connected to: AlphaDon       Connected to: AlphaDon         Home: Log Out: Preferences       Record Help       Welcome, admin       Connected to: AlphaDon         Home: Log Out: Preferences       Record Help       Welcome, admin       Connected to: AlphaDon         Home: Log Out: Preferences       Record Help       Welcome, admin       Connected to: AlphaDon         Back       Net       Imin       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 :         Servers       AdminServer       AdminServer
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Change Center	🔒 Home Log Out Preferences 🔤 Re	🖻 Home Log Out Preferences 🖂 Record Help										
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 Servers >Summary of JMS Modules >FCUBSIHSModule Messages											
Domain Structure	Settings for FCUB5JMSModule											
AlphaDomain	Configuration Subdeployments 1	Targets Security N	otes									
Servers Ousters Machines	This page displays general information	about a JMS system mo	dule and its resources. It also allows you to	configure new resources and access existing resources.								
Virtual Hosts Work Managers	Name:	FCUBS	The name of this JMS system module. More	Info								
LStartup and Shutdown Classes Deployments EServices	Descriptor File Name:	More Info										
Hessaging     Horizon Servers     Store-and-Forward Agents	This page summarizes the JMS resource destination quota, distributed destinat			eue and topic destinations, connection factories, JMS temple	ates, destination sort keys,							
How do L	Customize this table											
No task help found.	Summary of Resources											
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)	New Delete Showing 0 to 0 of 0 Previous   Next											
Warning (0)												
ОК (2)												
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1. Go back to JMS Modules→FCUBSJMSModule→New

	ministration Console 12c				õ
Change Center	🔒 Home Log Out Preferences 🔤 R	ecord Help	Q	Web	come, admin Connected to: AlphaDomain
View changes and restarts	Home > AlphaDomain > Summary of JMS Modules > FCUBSJMSModule	Servers >Summary of JMS	Modules >FCUBSJMSModule >Summary	of JMS Modules >FCUBSJMSModule >Summary of JMS Mod	lules >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 mo	dule and its resources. It also allows you	u to configure new resources and access existing resour	tes.
Servers Coherence Clusters	Name:	FCUBS	JMSModule	The name of this JMS system module	. More Info
	Descriptor File Name:	jms/fc	ubsjmsmodule-jms.xml	The name of the JMS module descript	tor file. More Info
Work Managers    Startup and Shutdown Classes	destination quota, distributed destina			queue and topic destinations, connection factories, $\ensuremath{\mathbb{R}}$	5 templates, destination sort keys,
How do I 🖂	Summary of Resources				
No task help found.	New Delete				Showing 0 to 0 of 0 Previous   Next
	🔲 Name 🗇	Туре	JNDI Name	Subdeployment	Targets
System Status			There are no iter	ms to display	
Health of Running Servers	New Delete				Showing 0 to 0 of 0 Previous   Next
Failed (0)					
Critical (0) Overloaded (0)					
Warning (0)					
OK (2)					
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. All	rights reserved.				
Oracle is a registered trademark of Oracle Corporation		marks of their respective o			



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

	ministration Console 12c	Q
Change Center	🕜 Home Log Out Preferences 🔤 Record Help	Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home > AlphaDomain > Summary of JMS Servers > Summary of JMS Modules > FCUBSJMSModule > Summary of JMS M JMS Modules > FCUBSJMSModule	Iodules >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 JHS System Hodule Resource Bock Net Prist Cancel	
Domain Structure		
AlphaDomain	Choose the type of resource you want to create. Use these pages to create resources in a 3MS system module, such as queues, topics, templates, and connect Depending on the type of resource you select, you are prompted to enter basic information for creating the re-	
Machines Virtual Hosts Work Managers	factories, distributed queues and topics, foreign servers, and JMS SAF destinations, you can also proceed to t targetable resources with subdeployments, which is an advanced mechanism for grouping JMS module resource	
Startup and Shutdown ClassesDeploymentsServices	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info
Herssaging     JMS Servers     Store-and-Enrward Aments	🔘 Queue	Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More Info
Configure quotas for destinations     Configure JMS templates     Configure destination keys	🔘 Торіс	Defines a publish/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info
Configure 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	Distributed Topic	Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients. More Info
Configure uniform distributed queues     Configure foreign servers     Configure JMS SAF	Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info
System Status	🔘 Quota	Controls the allotment of system resources available to destinations. More Info
Health of Running Servers Failed (0)	O Destination Sort Key	Defines a unique sort order that destinations can apply to arriving messages. More Info
Critical (0) Overloaded (0) Warning (0)	O JHS Template	Defines a set of default configuration settings for multiple destinations. More Info
OK (2)	SAF Imported Destinations	Defines a collection of imported store-and-forward (SAF) destinations. A SAF destination is a representation of a queue or topic in a remote server instance or Justier that is imported in the block durater or server instance, so that the local server instance or instance, can send messages to the remote server instance or duster. Nee Tifficular
	Remote SAF Context	Defines the URL of the remote server instance or cluster where a JMS

Change Center         Meme Log Out Preferences         Record Help         Welcome, admin         Connected to: AlphaDoms:           View changes and restarts         Home > AlphaDoms: Summary of JMS Braves > Summary of JMS Modules > CUBSIMSModule > Summary of JMS Modules > CUBSIMSModuleSUBSIMSMOduleSUBSIMSModule > Summary of JMS Modules > CUBSIMSModu
Configuration editing is enabled. Fuure dhanges will automatically be activated as you modify, add or delete items in this domain.
Domain Structure Connection Factory Properties
AbhaComain     Connection ractory inspectors       B-Environment     The following properties will be used to identify your new connection factory. The current module is FCUBS.MSModule.       I-Servers     Image: Connection ractory inspectors       B-Coherene Custers     Image: Connection ractory inspectors
Machines What would you like to name your new connection factory?
Vork Managers
Depointements         What XNDI Name would you like to use to look up your new connection factory?           Envises         What XNDI Name would you like to use to look up your new connection factory?           Image: Imag
- Streaged Bowerd Bowerd Bowerd
How do L   The Connection Factory Subscription Sharing Policy Subscriptions can be used to control which subscriptions and access new subscriptions. Should subscriptions created using this factory be sharable?
Configure quotas for destinations     Subscription Sharing Policy: Exclusive      Configure JMS templates
Configure destination keys     The Clent ID Polcy indicates whether more than one JMS connection can use the same Clent ID. Oracle recommends setting the Clent ID polcy to Unrestricted if sharing durable subsorbers.     Subsorptions created with different Clent ID polces are always treated as independent subsorptions. What Clent ID Polcy would you like to use?
Configure queues     Configure connection factories     Chient ID Policy:     Restricted
Configure uniform distributed topics     A connection factory can lmit the number of messages that can queued for an asynchronous session. Should this connection factory impose a limit?
Configure foreign servers     Maximum Messages per Session:     10
Should this connection factory create sessions that are JTA aware, and create XA queues and XA topics?
System Status 🔅 🖉 XA Connection Factory Enabled
Health of Running Servers Failed (0) Critical (0) Cverbaded (0)
Warning (0)         OK (2)           Webkool: Server Version: 12.1.3.0.0



ks of their res

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

	ministration Console 12c
Change Center	🏠 Home Log Out Preferences 🐼 Record Help
View changes and restarts	Home > Summary of JMS Modules > FCUBSIMSModule > Summary of JMS Modules > FCUBSIMSModule > FCUBSIConnectionfactory > Summary of JMS Modules > FCUBSIMSModule > Summary of JMS Modules > FCUBSIMSModule > Summary of JMS
Configuration editing is enabled. Future	Create a New JMS System Module Resource
changes will automatically be activated as you modify, add or delete items in this domain.	
Domain Structure	Back Next Finish Advanced Targeting Cancel
Domain Structure AphaDomain  AphaDomain  B-Environment  -Servers  Conference Clusters  -Machine dis  -Machine dis -Machine	The following properties will be used to target your new JMS system module resource.         Use this page to view and accept the default targets where this JMS resource will be targeted. The default targets are based on the parent JMS system module targets. If you do not want to accept the default targets, then disk dAtomical Targetting to use the subdeployment module resource.         The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retargeted appropriately.         Targets :         Servers         SoAServer         Back, Nett Protein Advanced Targeting Canced
System Status	
Health of Running Servers	
Failed (0) Critical (0) Overloaded (0) Warning (0) Overloaded (0) Critical (0) Crit	
OK (2) WebLogic Server Version: 12.1.3.0.0	
Cracks a registered tradework of Orack Corporation  Change Center  View changes and restarts  Configuration editing is enabled. Future changes will automatically be activated as you modify, add or deteil tems in this domain.  Domain Structure  AshaDomain  - Guteriss  - Kutal-Isots - Workal-Hoots - Workal-Hoots - Workal-Hoots - Workal-Hoots - Workal-Hoots - Workal-Hoots - Services -	More Log Out Preference: Record Help     Welcome, admin     Connected to: AlphaDomain     More source:     Subday of MS Modules >FCUESIMSModule >Sources of MS     Modules >FCUESIMSModule >Sources of MS     Modules >FCUESIMSModule >Sources     The following properties will be used to target your new JMS system module resource     Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, duster, or     SAF agent. There subdeployment to assign this system module resource.     Use this page to select a subdeployment toy can create a new subdeployment by doing the Create a New Subdeployment toy can also reconfigure subdeployment targets later by using the parent     module's subdeployment you want to use. If you select (none), no targeting all noor.     Subdeployments:         (none)      Create a New Subdeployment
	What targets do you want to assign to this subdeployment?
How do I	Targets :
Configure quotes for destinations     Configure 2MS templates     Configure 2MS templates     Configure destination keys     Configure queues     Configure connection factories     Configure connection factories     Configure uniform distributed queues     Configure uniform distributed queues     Configure 1MS SAF	Book, Net Cancel
System Status 🖂	
Health of Running Servers Faled (0) Critical (0) Overhoaded (0) Warning (0) Critical (0) Critical (0) Warning (0) Critical (0) Warning (0)	
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			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 >! Modules >FCUBSJMSModule >placeholder	Summary of JMS Modules > FCUBSJMSModule > FCUBSConr	ectionfactory >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 Subdeployment OK Cancel		
Domain Structure			
AlphaDomain	Subdeployment Properties		
Environment	The following properties will be used to identify your	new subdeployment.	
Servers Clusters	California and Marrier		
Coherence Clusters	Subdeployment Name:	FCUBS	
Machines	OK Cancel		
Virtual Hosts Work Managers	Carlos		
Deployments			
Services			
Messaging     MS Servers			
Store-and-Forward Agents			
How 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			
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 🔍 🔍 Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home > Summary of JMS Modules > FCUBSIMSModule > Summary of JMS Modules > FCUBSIMSModule > FCUBSConnectionfactory > Summary of JMS Modules > FCUBSIMSModule > Summary of JMS Modules > FCUBSIMSModule > 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 this domain.	Create a New JHS System Module Resource           Back         Finith         Cancel           The following properties will be used to target your new JHS system module resource         Image: Cancel
Activate Changes Undo All Changes	The tomoving properties will be used to larget your new Jris 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. The researstry, you care are are audeployment by dring the Create a Bew Subdeployment button. You can also reconfigure subdeployment targets later by using the parent
Domain Structure	module's subdeployment management page.
AlphaDomain  C-Environment Servers C-Ousters Coherence Clusters	Select the subdeployment you want to use. If you select (none), no targeting will occur. Subdeployments: FCUBS  FCUBS  Create a New Subdeployment
MachinesVirtual HostsWork ManagersStartup and Shutdown ClassesDeployments	What targets do you want to assign to this subdeployment? Targets :
-Services -Services -Messaging -JMS Servers -Store-and-Forward Agents -	Servers SoAServer
How do I	
Configure quotas for destinations	JMS Servers
Configure JMS templates     Configure destination keys	BPHJMSServer
Configure topics	V FCUB5JM55erver
Configure queues     Configure connection factories	SOAJMSServer
Configure uniform distributed topics     Configure uniform distributed queues	UMSJMSServer_auto_2
Configure foreign servers     Configure JMS SAF	Back Next Frish Cancel
System Status	
Health of Running Servers	
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)	



	Iministration Conso	e 12c									Q	
Change Center	🔒 Home Log Ou	Preferences 📐	Record Hel	р 📃		Q			Welcome	e, admir	Connected to: AlphaDomain	
View changes and restarts		Hone >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.											
Domain Structure	Connection fa	ctory created succe	essfully.									
AlphaDomain	Settings for FCU	SJMSModule										
Environment     Servers	Configuration	Subdeployments	Targets	Security	Notes							
Beness     Beness     Clusters     Coherence Clusters    Machines    Virtual Hosts	This page displa	rs general informati	on about a J	MS system	module and its	resources	. It also allows you to configure new	resources and	l access existing resources.			
Work Managers Startup and Shutdown Classes	Name:			FC	UBSJMSModule			The name of	this JMS system module. Mo	re Info.		
	Descriptor File Name:			jms/fcubsjmsmodule-jms.xml The name o		The name of	of the JMS module descriptor file. More Info		Info			
How do L		rizes the JMS reso a, distributed destir					n module, including queue and topic of parameters.	destinations, co	onnection factories, JMS tem	plates, d	estination sort keys,	
No task help found.	Customize thi	s table										
	Summary of R	esources										
System Status	New Delet	е								Showing	1 to 1 of 1 Previous   Next	
Health of Running Servers Failed (0)	🔲 Name 🗞			Туре			JNDI Name		Subdeployment	1	argets	
Critical (0)	FCUBSConnectionfactory Connection Factory jndi/FCUBSConnectionfactory FCUBS FCUBS/MSServer								CUBSJMSServer			
Overloaded (0) Warning (0)	New Delete Showing I to I of 1 Previous   Next											
ОК (2)												
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	dministration Console 12c					Õ							
Change Center	A Home Log Out Preferences	Record Help	٩		Welcome, adr	nin Connected to: AlphaDomain							
View changes and restarts		Home > Summary of JMS Modules > FCUBSIMSModule > Summary of JMS Modules > FCUBSIMSModule > FCUBSConnectionfactory > Summary of JMS Modules > FCUBSIMSModule > Summary of JMS Modules > FCUBSIMSModule > 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													
AlphaDomain	Settings for FCUBSJMSModule												
Servers	Configuration Subdeployme	nts Targets Secu	urity Notes										
ClustersCoherence ClustersMachinesVirtual Hosts	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-Ensward Agents	Descriptor File Name: This page summarizes the JMS destination quota, distributed d			n module, including queue and topic destinations, c	the JMS module descriptor file. M								
How do I	destination quota, distributed d	esunauons, toreign se	rvers, and store-and-torward	parameters.									
No task help found.	Customize this table												
System Status	Summary of Resources												
Health of Running Servers	New Delete				Showi	ng 1 to 1 of 1 Previous   Next							
Failed (0)	🔲 Name 🐟	Тур	)e	JNDI Name	Subdeployment	Targets							
Critical (0)	FCUBSConnectionfactory Connection Factory jndl/FCUBSConnectionfactory FCUBS FCUBSJMSServer												
Overloaded (0) Warning (0)	New Delete				Showi	ng 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

Clusters     Coherence Clusters     Machines     Virtual Hosts     Work Managers		ic information for creating the resource. For targetable resources, like stand-alone queues and topics, connection tions, you can also proceed to targeting pages for selecting appropriate server targets. You can also associate or grouping JMS module resources and the members to server resources.
L-Startup and Shutdown Classes leployments ervices	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info
	@ 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 consume: More Info
In I figure quotas for destinations figure JMS templates	💿 Торіс	Defines a publish/subsorbe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info
figure destination keys figure topics figure 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
figure connection factories figure uniform distributed topics	Distributed Topic	Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients. <b>More Info</b>
figure uniform distributed queues figure foreign servers figure JMS SAF	Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info
n Status	🔘 Quota	Controls the allotment of system resources available to destinations. More Info
of Running Servers Failed (0)	O 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. Nor Info
OK (2)	SAF Imported Destinations	Defines a collection of imported store-and-forward (SAF) destinations. A SAF destination is a representation of a queue or topic in a remote server instance or cluster that is imported in the local cluster or server instance, so that the local server instance or cluster can send messages to the remote server instance or cluster. Were find
	Remote SAF Context	Defines the URL of the remote server instance or duster where a JMS destination is exported from. It also contains the security credentials to be authenticated and authorized in the remote duster or server. More Info
	SAF Error Handling	Defines the action to take when the SAF service fails to forward messages to remote destinations. More Info
	Back 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

	dministration Console 12c				Q
Change Center	A Home Log Out Preferen	ices 🚵 Record Help		Q	Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >Summary of JMS Moo Modules >FCUBSJMSModule		Summary of JMS M	Iodules > FCUBSJMSMoo	dule >FCUBSConnectionfactory >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 Back Next Finish				
Domain Structure					
AlphaDomain	JMS Destination Property	rties			
	The following properties wi	I be used to identify your	new Queue. The	current module is FCUE	ISJMSModule.
Coherence Clusters	* Indicates required fields				
Virtual Hosts Work Managers Startup and Shutdown Classes	* Name:	NOTIFY_DEST_Q	UEL		
Deployments B-Services G-Messaging	JNDI Name:	jms/NOTIFY_DES	T_QUEUE		
	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 topics     Configure uniform distributed queues					
Configure division distributed queues     Configure foreign servers					
Configure IMS SAF					
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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	ninistration Console 12c Q
Change Center	😭 Home Log Out Preferences 🖾 Record Help
View changes and restarts	Home > Summary of JMS Module > FCUBSIMSModule > Summary of JMS Module > FCUBSIMSModule > FCUBSConnectionfactory > Summary of JMS Modules > FCUBSIMSModule > Summary of JMS Modules > FCUBSIMSModule > placeholder
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New JMS System Module Resource
Domain Structure	Back Next Finish Cancel
AlphaDomain	The following properties will be used to target your new JMS system module resource
Servers Clusters Coherence Clusters Machines	Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, duster, or SAF agent. If necessary, you can create a new subdeployment by dicking the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the parent module's subdeployment management page.
Virtual Hosts Work Managers Startup and Shutdown Classes	Select the subdeployment you want to use. If you select (none), no targeting will occur.
Deployments B-Services	Subdeployments: FCUBS Create a New Subdeployment
-Messaging -JMS Servers	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     Configure queues	FCUBSJMSServer
Configure connection factories     Configure uniform distributed topics	SOAJHSServer
Configure uniform distributed queues     Configure foreign servers	UMSJMSServer_auto_2
Configure JMS SAF	Back Net Frish 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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	ninistration Console 12c. O
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 JMS Modules > FCUBSJMSModule > FCUBSJMSModule > FCUBSJMSModule > Summary of JMS

Change Center	Home Log Out Preferences 🔤 Record Hel	þ 🔍		Welcome, adr	nin Connected to: AlphaDomain
View changes and restarts	Home >Summary of JMS Modules >FCUBSJMSMode Modules >FCUBSJMSModule >placeholder	ule >Summary of JMS Modules >FCU	SJMSModule >FCUBSConnectionfactory >Summary o	f JMS Modules > FCUBSJMSModule >	Summary of JMS
Configuration editing is enabled. Future ohanges will automatically be activated as you modify, add or delete items in this domain. Domain Structure AlphaDomain AlphaDomain → Servers Br-Colusters → Colusters	Messages All changes have been activated. No restarts The JMS Queue was created successfully Settings for FCUBSJHSModule Configuration Subdeployments Targets	Security Notes			
Machines Virtual Hosts Work Managers		FCLIBS 1MSModule	s. It also allows you to configure new resources and	-	
Startup and Shutdown Classes Deployments Services	Name: Descriptor File Name:	jms/fcubsjmsmodule-jms.xr		this JMS system module. More Inf	
-Messaging    IMS Servers    Store-and-Forward Anents	This page summarizes the JMS resources that ha destination quota, distributed destinations, fore		m module, including queue and topic destinations, c parameters.	onnection factories, JMS templates	, destination sort keys,
No task help found.	Customize this table				
	Summary of Resources				
System Status  Health of Running Servers	New Delete			Showi	ng 1 to 2 of 2 Previous   Next
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			Showi	ng 1 to 2 of 2 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	I rights reserved. n and/or its affiliates. Other names may be trademarks of th	neir respective owners.			

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)



	ODMS Application (12.1.3.0.0)	Active	🖋 ок	Web Application	AdminServer, BAMServer, SOAServer	5
	⊞ <sub>Eo</sub> em	Active	🖋 ок	Enterprise Application	AdminServer	400
	⊞FCUBSAppIUT (12.1.0.0.0)	Active	▲ Warning	Enterprise Application	SOAServer	600
	➢ FleAdapter	Active	🖋 ок	Resource Adapter	SOAServer	321
	⊞ ⊑frevvo	Active	🖋 ок	Enterprise Application	SOAServer	100
		Active	🖋 ок	Resource Adapter	SOAServer	325
	⊞GWWebServices (12.1.0.0.0)	Active	🖋 ок	Enterprise Application	SOAServer	600
	Ø JDEWorldAdapter	Installed		Resource Adapter		333
V	<mark>∂ lmsAdapter</mark>	Active	🖋 ок	Resource Adapter	SOAServer	323
	SudapAdapt JmsAdapter, Level 1, 19 of 46	Installed		Resource Adapter		332
	MQSeriesAdapter	Active	🖋 ок	Resource Adapter	SOAServer	327
	₩SMQAdapter	Installed		Resource Adapter		334
		Active	🖋 ок	Enterprise Application	SOAServer	100
	SoracleAppsAdapter	Active	🖋 ок	Resource Adapter	SOAServer	328
	TradeBamAdapter	Installed		Resource Adapter		329
		Active	🖋 ок	Enterprise Application	SOAServer	384
	CradeBPMComposerRolesApp	Active	🖋 ОК	Enterprise Application	SOAServer	382
	⊞OradeBPMProcessRolesApp	Active	🖋 ОК	Enterprise Application	SOAServer	381
۲		Active	🖋 ок	Enterprise Application	SOAServer	383
	₩ SAPAdapter	Installed		Resource Adapter		335
	B SimpleApprovalTaskFlow	Active	🖋 ок	Enterprise Application	SOAServer	386
	🗷 📑 soa-infra	Active	🖋 ок	Enterprise Application	SOAServer	350
127	E 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			CUBSConnections hts > <b>JmsAdap</b>		nmary of JMS	Modules :	FCUBSJMSMod	lule >Summar	y of JMS	5 Modules > FCl	JBSJMSModu
Configuration editing is enabled. Future changes will automatically be activated as	/ou		or JmsAdapt								
modify, add or delete items in this domain.		Overview	Deploymen	nt Plan Cor	ifiguration	Securit	y Targets	Control 1	resting	Monitoring	Notes
Domain Structure		General	Properties	Outbound	Connection	n Pools	Admin Object	s Workloa	d Ins	strumentation	1
Servers B-Culsters Coherence Clusters Wachines Virtual Hosts Work Managers Startup and Shutdown Classes Bediovenets	Ш	listed by Connect	connection fa	ctory interfac . Click the nar	e and the ins ne of a group	tances ar o or instar	oups and insta e listed by thei nce to configure	r JNDI names	Expan	d a group to o	btain config
-Services -Messaging		🔳 Gr	oups and In	stances 🚕						Co	nnection F
	-		oracle.tip.ada	apter.jms.IJms	ConnectionF	actory				ora	de.tip.adap
	8		eis/activemq/	Queue						ora	de.tip.adap
How do I			eis/aqjms/EDN	NLocalTxDurat	oleTopic					ora	cle.tip.adap
<ul> <li>Configure outbound connection pool properties</li> </ul>			eis/aqjms/EDN	NLocalTxTopic						ora	de.tip.adap
properties		E71	eic/anime/EDA		nic					013	de tie adae

System Status

Health of Running Servers

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

eneral	Properties	Outbound Connection Pools	Admin Objects	Workload	Instrumentatio	11
sted by Connect utbou	r connection fa tion Pool group nd Connectio	ctory interface and the instances ar	e listed by their J	NDI names. E	Expand a group to	The top level entries in the table represent Outbound Connection Pool groups. Groups a obtain configuration information for a Connection Pool instance within an Outbound nection Pools are not displayed in the table below.
New	Delete					Showing 1 to 1 of 1 Previous
G	roups and In	stances 🗞				Connection Factory Interface
E	oracle.tip.ada	pter.jms.IJmsConnectionFactory				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/activemq/	Queue				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/aqjms/EDM	NLocalTxDurableTopic				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/aqjms/EDM	NLocalTxTopic				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/aqjms/EDM	IxaDurableTopic				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/aqjms/EDM	lxaTopic				oracle.tip.adapter.jms.IJmsConnectionFactory
1	eis/aqjms/Que	eue				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/aqjms/Top	ic				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/fioranomq	/Topic				oracle.tip.adapter.jms.IJmsConnectionFactory
1	eis/jbossmq/Q	Jueue				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/jms/aiaB2	8QueueCF				oracle.tip.adapter.jms.IJmsConnectionFactory
1	eis/jms/aiaErr	orTopicCF				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/pramati/Q	ueue				oracle.tip.adapter.jms.IJmsConnectionFactory
3	eis/sunmq/Qu	eue				oracle.tip.adapter.jms.IJmsConnectionFactory
1	eis/tibjms/Que	sue				oracle.tip.adapter.jms.IJmsConnectionFactory
	eis/tibjms/Top	ic				oracle.tip.adapter.jms.IJmsConnectionFactory
1	eis/tibjmsDire	ct/Queue				oracle.tip.adapter.jms.IJmsConnectionFactory
1	eis/tibjmsDire	ct/Topic				oracle.tip.adapter.jms.IJmsConnectionFactory
1	eis/webspher	emq/Queue				oracle.tip.adapter.jms.IJmsConnectionFactory
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Domain Structure	Outbound Connection Group
AlphaDomain	In which outbound connection group do you want to create an instance? Outbound Connection Groups
Clusters     Coherence Clusters	Showing 1 to 1 of 1 Previous   Next
Machines Virtual Hosts	Outbound Connection Group 🔅
Work Managers Startup and Shutdown Classes Deployments	orade.tp.adapter.jms.LimsConnectionPactory     Showing 1 to 1 of 1 Previous   Next
-Services -Messaging -MS Servers -Store-and-forward Agents -Store-and-forward -Store-and-forwar	Back Ned Print Cancel
How do I 🗉	
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System Status 🖃	
Health of Running Servers	
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Domain Structure	JNDI name for Outbound Connection Instance	æ	
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Coherence ClustersMachinesVirtual HostsVirtual HostsStark ManagersStark Managers	The Outbound Connection instance represents a cont	nection pool. The JNDI name can be used to ob eis/Queue/Notif	itain the pool at runtime.
DeploymentsServicesMessagingJMS Servers	Back Next Finish Cancel		
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 Configure outbound connection pool
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ssaging			Groups and Instances 🗞	Connection Factory Interface
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			eis/aqjms/EDNxaDurableTopic	oracle.tp.adapter.jms.IJmsConnectionFactory
tatus			eis/aqjms/EDNxaTopic	orade.tp.adapter.jms.IJmsConnectionFactory
unning Servers			eis/aqjms/Queue	orade.tip.adapter.jms.IJmsConnectionFactory
Failed (0)			eis/aqjms/Topic	orade.tip.adapter.jms.IJmsConnectionFactory
Critical (0)			eis/fioranomq/Topic	oracle.tip.adapter.jms.IJmsConnectionFactory
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			eis/wls/Queue	oracle.tip.adapter.jms.IJmsConnectionFactory
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	Ī	Nev	7 Delete	Showing 1 to 1 of 1 Previous   N

Isted by connection factory interface and the instances are listed by ther JNDT 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.



\*

6. Click on the Outbound connection pool with **eis/Queue/Notif** and enter the connection factory location as **jndi/FCUBSConnectionfactory**-press Enter and Save

nange Center	🔒 Home Log Out Preferences 🔤 Record	Help		Welcome, admin	Connected to: AlphaDor
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dify, add or delete items in this domain.	General Properties Transaction A	uthentication Connection Pool L	ogging		
main Structure					
aDomain	This page allows you to view and modify the	e configuration properties of this outb	ound connection pool. Properties you modify h	nere are saved to a deployment plan.	
Environment Servers					
-Clusters	Outbound Connection Properties				
Coherence Clusters	Save			Showing 1 t	o 7 of 7 Previous   Next
Virtual Hosts	Property Hame 🖉	Property Type	Property Value	Supports Dynamic Updates	
Work Managers	Property Name 🐵	Property Type			
LStartup and Shutdown Classes Deployments	AcknowledgeMode	java.lang.String	AUTO_ACKNOWLEDGE	false	
ervices	ConnectionFactoryLocation	java.lang.String	jndi/FCUBSConne(	false	
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Critical (0)

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Save



Showing 1 to 7 of 7 Previous | Next

Clusters			m.				
Machines	-	itomize this table loyments					
Deployments Services	In	stall Update Delete Start v Stop v				Showing 1 to 46	of 46 Previous   Nex
		Name 🗞	State	Health	Туре	Targets	Deployment Order
ow do I 🖂		₩ AqAdapter	Prepared	🖋 ок	Resource Adapter	SOAServer	324
Install an enterprise application Configure an enterprise application		🗉 🕞 b2bul	Prepared	🛩 ок	Enterprise Application	SOAServer	313
Update (redeploy) an enterprise application		BamComposer	New		Enterprise Application	BAMServer	500
Start and stop a deployed enterprise application Monitor the modules of an enterprise		E BamCQService	New		Enterprise Application	BAMServer	300
application Deploy EJB modules		H BanServer	New		Enterprise Application	BAMServer	400
Install a Web application		E BPMComposer	Active	🖋 ок	Enterprise Application	SOAServer	385
/stem Status 🖂		Coherence-transaction-rar	Active	🛩 ок	Resource Adapter	AdminServer, BAMServer, SOAServer	100
Failed (0)		GoherenceAdapter	Installed		Resource Adapter		331
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		OMS Application (12.1.3.0.0)	Active	🛩 ок	Web Application	AdminServer, BAMServer, SOAServer	5
		I Com	Active	🖋 ок	Enterprise Application	AdminServer	400
		E FCUBSAppIUT (12.1.0.0.0)	Active	A Warning	Enterprise Application	SOAServer	600
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		FtpAdapter	Active	🛩 ок	Resource Adapter	SOAServer	325
		GWWebServices (12.1.0.0.0)	Active	🖋 ок	Enterprise Application	SOAServer	600
		☑ JDEWorldAdapter	Installed		Resource Adapter		333

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

Change Center	🚹 Home Log Out Preferences 🔤	Record Help	Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >Summary of Deployments >Jm Deployments >JmsAdapter >Summary	msAdapter >Summary of Deployments >JmsAdapter >Summary of JMS Module ry of Deployments	s > FCUBSJMSModule >Summary of JMS Modules >Summary of
Configuration editing is enabled. Future hanges will automatically be activated as you nodify, add or delete items in this domain.	Update Application Assistant		
	Back Next Finish Car	ancel	
omain Structure	Locate new deployment files		
phaDomain 🔺			
- Environment	You have elected to update the Jm	isAdapter application.	
Servers Clusters Coherence Clusters	O Update this application in pl	lace with new deployment plan changes. (A deployment plan m	ust be specified for this option)
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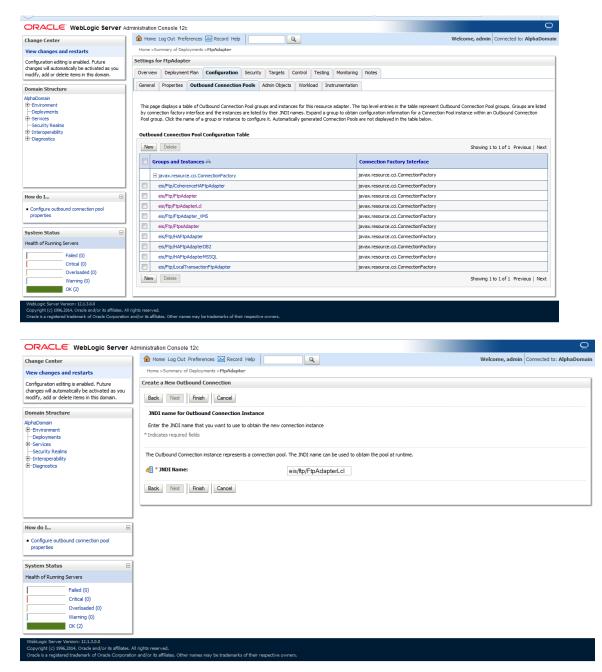
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16. Create the out bound connection pool with the **eis/wls/Queue** name in the Deployments using connection factory jndi/FCUBSConnectionfactory.



### 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	]			

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



Go to security and then navigate to application roles

Farm_bifoundation_domain     Application Deployments	Farm_bi	foundation_domain @				Page	Logged Refreshed Mar 19, 2014 6	in as <b>weblo</b> :34:36 PM IST
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- 4) After navigating to next screen as in below screenshot,
  - Select application stripe as obi
  - Click on the search button
  - Click on create button to add a role



ORACLE Enterprise Ma	anager 11g Fi	usion Middleware Contr	ol		Setup + Help + Log Out
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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).



ORACLE Enterprise Manager	11g Fusion Middleware Control		Setup + Help + Log
Farm 👻 🚑 Topology			
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• 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

•	Go to security	and then	navigate to	application	n polices
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	WebLogic Server Administra	Policies     Permissie     Resource     orade.bi.     orade.bi.	Application Roles Keystore System Policies Audt Policy for BLAdministrator ons Name server.manageRepositories	Name Instatator Role en Role Umer Role br Role Resource Type orade bu Server permission orade bu Server permission	Permission Actions _allallallallallallall	oracle.security.jps.ResourcePermission



- 7) After navigating to next screen as per screen shot,
  - o Select the application stripe as obi, principal type as "Application Role"
  - Click on the search button
  - Select BIConsumer(it should be highlighted) from the list and click on the create like button.

ORACLE Enterprise Manage	r 11g Fusi	on Middleware Control				Setup + Help + Log Ou
👫 Farm 👻 💑 Topology						
Image: Image		bifoundation_domai	n 😮		Logged in as <b>weblogic</b> Page Refreshed Mar 19, 2014 7:37:40 PM IST ζ	
Application Deployments      WebLogic Domain      Bifoundation_domain      AdminServer		Application Policies Application policies are the au	thorization policies that an applica ups in the WebLogic Domain, use t	ion relies upon for controll	ing access to its resources.	
<ul> <li>▷ a Business Intelligence</li> <li>▷ a Business Intelligence</li> <li>▷ Essbase Servers</li> <li>▷ Metadata Repositories</li> </ul>			e WebLogic Domain er XML			
		≤ Search	n ./system-jazn-data.xml	e and enter search keywo	rd to query application security grapts	assigned to the principals. Click on searched principal to query
		policies assigned Application Strip Principal Typ		•	(o query application security grants	assigned to the principals. Clock on searched principal to query
			te Like ZEdit X Delet			
		EIAdministrator	BI Administrator Role BI System Role	Description		
	3	ElConsumer ElAuthor ElReportViewer	BI Consumer Role BI Author Role FCUBS Consumer Role			
		Policies for BIConsume	r			
		Permissions				
		Resource Name		Resource Type	Permission Actions	Permission Class
		Explore		rtd_ic_persp	dc_perspective dc_perspective	area secure apparter source company
		At/Glance		rtd_lc_persp		oracle securityjps.ResourcePermission
				rtd_lc_persp rtd_batch rtd_ls	batch admin choice editor	oracle securityjps.Resource?ermission oracle securityjps.Resource?ermission vracle securityjps.Resource?ermission v



- 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.

	nager 11g Fusion Middleware Co	ntrol				Setup ≠ Help ≠ Log Out
📲 Farm 👻 🔒 Topology						
<b>•</b>	bifoundation1203_dom	aino				Logged in as weblogic
Farm_bifoundation1203_domain	WebLogic Domain 👻	Ŭ				Page Refreshed Jun 4, 2015 8:16:52 PM IST 🗘
WebLogic Domain	Application Policies > Create Applic	ation Grant				
B B bifoundation1203_dom	Create Application Grant					OK Cancel
AdminServer						
	Application Stripe obi Grantee					
Business Intelligence	Select the grantees (user, group of		la ta tha actas			
🗄 🛅 Metadata Repositories		or application role) you want to ac	to the policy.			
	💠 Add 🛛 💥 Delete					
	Name	Display Name	Туре	Description		
	No users or groups added.	Add Principal				
		Specify criteria to search and s	elect the application roles that you	want to grant permissions to.		
			Application Role 💌			
	Permissions	Principal Name	Starts With 💌			
		Display Name	Starts With 💌	۷		
	🛖 Add 🥒 Edit 💥 De	Searched Principals				
	Permission Class	Principal	Display Name	Description	Resource Type	Permission Actions
	No permissions added.	BISystem	BI System Role			
		BIAdministrator	BI Administrator Role			
•		BIAuthor	BI Author Role			
		BIConsumer	BI Consumer Role			
		BIReportViewer	FCUBS Consumer Role			
		ALLROLES	ALLROLES	ALLROLES		
		authenticated-role	Authenticated Role			
		anonymous-role	Anonymous Role			
				OK Cancel	1	
					4	

- Click Add button under Permissions and add the two permissions one by one as mentioned below.
  - oracle.bi.publisher.runReportOnline
  - oracle.bi.publisher.accessReportOutput

CIRACLE Enterprise M	anager 11g Fusion Middleware Control					Setup 🔻 Help 🔻 Log O
👫 Farm 👻 🦂 Topology						
Farm_ELCM121MAT     Application Deployments	ELCM121MAT () WebLogic Domain 🔻				Page Refreshed	Logged in as infra i Dec 10, 2014 4:15:06 PM IST ()
✓ WebLogic Domain ✓ WebLogic Domain ✓ ELCM121MAT AdminServer	Application Policies > Create Application Create Application Grant Application Stripe obi	n Grant				OK Cancel
<ul> <li>▷ ▲ bi_cluster</li> <li>▷ ➡ Business Intelligence</li> <li>▷ ➡ Essbase Servers</li> </ul>	Grantee Select the grantees (user, group or Add 🕺 Delete	application role) you want to add to the p	policy.			
⊳ 🚞 Metadata Repositories	Name	Display Name	Туре	Description		
	ALLROLES	ALLROLES	Application Role	ALLROLES		
	Permissions					
	Permission Class		Resource Name		Resource Type	Permission Actions
	oracle.security.jps.ResourcePermi			ner.runReportOnline	oracle.bi.publisher.permission	_al_
	oracle.security.jps.ResourcePermi	ssion	oracle.bi.publish	ner.accessReportOutput	oracle.bi.publisher.permission	_al



- 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.

ORACLE BIP	ublisher Enterprise		Search All	¥	•	Administratio	Help ∽ ∣Sign Out 📿
Administration				Home Catalog	New 🗸	📔 Open 🗸	Signed In As weblogic ~
Data Source DBC Come NDI Come File LDAP Come OLAP Come	ction ction	ć	System Maintenance  Server Configuration  Scheduler Configuration  Scheduler Diagnostics  Report Wewer Configuration				
Security Cer     Security Cer     Security Cor     Roles and Pe     Olgital Signal	figuration	1	Runtime Configuration     Properties     Font Mappings     Currency Formats				
Delvery • Delvery Cor • Prite • Prite • Enal • WebAV • HTP • FTP • CLPS Server Oracle BI Publisher 11.1.1.7.0			Integration • Oracle BI Presentation Services • Oracle Endeca				
userrole_xml	r 🕑 hostdán_smi	-				¥ 2	how all downloads ×



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

ORACLE' BI Publisher	r Enterprise	Search All	×	۵	Administration   Help ~   Sign Out 📿
Catalog			Home Catak	og 📑 New 🗸	Dpen 🗸 🛛 Signed In As 🛛 weblogic 🗸
	Iteation         (Shared Folders)FCReports           Image: A control of the state of the				
► reads       ► FCReports       ► Expand       ♥ Upload       ♥ Download       ■ Copy       ♥ Cut       ■ Paste       ● Permissions       ● Export XLIFF					



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.

ORACLE BI Publis	her Enterprise	Search All	🔕   Administration   Help ~   Sign Out 📿
Catalog		Home Catalog	🦉 New 🗸   👌 Open 🗸   Signed In As 🛛 weblogic 🗸
Y     Y <td>Constant // Shared Folders/FCReports     Table (Last Modified 3/13/14 11:26 PM   Created By weblog:     Constant Modified</td> <td></td> <td>0</td>	Constant // Shared Folders/FCReports     Table (Last Modified 3/13/14 11:26 PM   Created By weblog:     Constant Modified		0
	Permissions Location /FCReports Role Name Read Write Dele	te Run Report Online Schedule Report Wew Report Output	
Tasks	BI System Role Manager	Selected Roles	
E 14950 FCREports Capand I Upload Courte I Download Copy Kut Partie I Rename I Properties Export XLIFF	нер	OK Cance	



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.

ORACLE BI Publis	her Enterprise	Search All	× 0	│Administration │ Help ∽ │ Sign Out ♀
Catalog			Home 🛛 Catalog 📄 📑 New 🗸	╞ Open 🗸 🛛 Signed In As 🛛 weblogic 🗸
Image: Constraint of the constr	Coston         /Shared Folders/FCReports           Image: Tratio         Last Modifed 3/33/34 1:28 PM (Created By weblog: Created Shadkel 3/36) bitstory (Edit (Morew ratio)           Table Obstance         Last Modifed 3/13/14 1:26 PM (Created By weblog: Edit (Morew	•		0
🛛 🎦 Samples	Permissions Location /FCReports Apply permissions to items within this folder Role Name Role Name Role S	Write Delete Run Recort Online Schw	dule Recort Vew Recort Output	
	;			*
Tasks  FCReports  FOREports  Colete  Colete  Convision  Paste  Pensions  FRemane  F				

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

Center Content	▼ C Soogle	오 습 ♣ 斋 ☰
ORACLE BI Publisher Enterprise	Search All	🗿 🛛 Administration 🖂 Help 🗸 👘 Sign Out 🧲
Administration	Home   Catalog	Yew 🗸 📄 Open 🗸 🔤 Signed In As weblogic 🗸
Data Sources  DBC Connection  DDBC Connection  Hole  LDAP Connection  OLAP Connection  OLAP Connection	System Maintenance  • Server Configuration  • Scheduler Configuration  • Scheduler Diagnostics  • Report Viewer Configuration	
Security Center  • Security Configuration  • Roles and Permissions  • Digital Signature	Runtime Configuration     Properties     Font Mappings     Currency Formats	
<ul> <li>Perivery</li> <li>Delivery</li> <li>Perivery</li> <li>Perivery</li> <li>Perivery</li> <li>Perivery</li> <li>CUPS Servery</li> </ul>	Integration • Oracle BI Presentation Services	
0184.133.161.9704/xmlpserver/servlet/admin		Administration   Help v   Sign Out O
	Search Al Demo Catalog   New - Home Catalog   New - System Maintenance - Scheduler Configuration - Scheduler Configuration - Scheduler Configuration - Scheduler Configuration	Administration   Help ~   Sign Out Q   De Open ~   Signed In As weblogic ~
Administration Data Sources	Home   Catalog   Kew-	
Administration  Data Sources  BI Publisher Enterprise  Data Sources  Big Connection  Big Connection  DAP Connecton  OLAP Connecton  OLAP Connecton  Colar Security Center  Coles and Permissons	Home Catalog  ♥ Hew→ System Maintenance  Schedukr Configuration  Schedukr Dagnostis  Report Viewer Configuration  Properties  Fort Mappings	



RACLE BI Pub	lisher Enterprise	Search Al		Administration   Help v   Sign Out
dministration			Home   Catalog   🤷 New 🗸	🛅 Open 🗸   Signed In As weblogic
iministration > JDBC				
ata Sources				
JDBC JNDI File LDAP	OLAP			
Add Data Source	S Prev	ious 1-10 of 16 💌 Next 6 🥥		
Data Source Name	Connection String	Delete		
demo	jdbc:oracle:thin:@10.184.149.52:1521:SOADB	Û		
FC1202UBS	jdbc:oracle:thin:@10.184.132.144:1521:KD12NEW	Û		
FC121DEV	jdbc:oracle:thin:@10.184.132.144:1521:KD12NEW	Û		
FCBIP	jdbc:oracle:thin:@10.184.154.149:1521:ORFC12C	Û		
FCOR121DEV	jdbc:oracle:thin:@10.184.154.149:1521:ORFC12C	Û		
FCOR121IUT	jdbc:oracle:thin:@10.184.154.149:1521:ORFC12C	Û		
FCUBS1203	jdbc:oracle:thin:@10.184.132.137:1521:FCPATCH2	Û		
FCUBS121	jdbc:oracle:thin:@whf00aew:1521:ORFC12C	Û		
FCUBS12C	jdbc:oracle:thin:@10.184.132.172:1521:FCUBS12C	Û		
fcubswf1202	jdbc:oracle:thin:@10.184.149.52:1521:SOADB	Û		
Add Data Source	S Prev	ious 1-10 of 16 💌 Next 6 🗵		

15. Please create the data source with data source name as **FCSOA** and use soa schema details to create the same.

ORACLE	BI Publisher Enterprise	Search Al	~	•	Administration	Help 🛩	Sign Out
Administration			Home Catalog	🔮 New 🗸	📔 🗁 Open 🗸	Signed In A	s weblogic~
Administration > JD	BC > Add Data Source						
Add Data Source	9						
						Apply	Cancel
General							
TIP Please m	ake sure to install the required JDBC driver classe cle Fusion Middleware Security Model, select the	is. Use System User checkbox to use the BI System User for your BI Serve	er Database Connection				
	the radion madeware becanty modely beleet ale						
	* Data Source Name	FCSOA					
	* Driver Type	Oracle 11g					
	* Database Driver Class	(Example: oracle.jdbc.OracleDriver )					
	* Connection String	jdbc:oracle:thin:@//ofss222783.in.oracle.com:1521/FCUBSDEV121					
	Use System User						
	* Username	DEV12C_SOAINFRA					
	Password	••••					
	Pre Process Function						
	Post Process Function						
		Use Proxy Authentication					
		Test connection					
Backup Data S	ource						
TTP To onable	a access to a backup data source, please shock t	ne Use Backup Data Source checkbox and enter the necessary connecti	on information				
· The Lo enable	e access to a backup data source, please clieck ti	te use backup bata source checkbox and enter the necessary connecti	on mornadon.				
		Use Backup Data Source					
	Connection String						
	Username	.:					
	Password						
		Test Connection					
				_		_	_



16. Add the FCIS roles to allowed Roles under security

ORACLE	BI Publisher Enterprise		Search All	~	۲	Administration	Help 🗸 🛛	Sign Out
Administration				Home   Catalog	🎴 New 🗸	📔 🔁 Open 🗸	Signed In As	weblogic
		y =						
	Use System User							
	* Username	DEV12C_SOAINFRA						
	Password							
	Pre Process Function							
	Post Process Function							
		Use Proxy Authentication						
		Test Connection						
Backup Data So	urce							
<b>≪TIP</b> ⊤o enable	access to a backup data source, please check th	e Use Backup Data Source checkbox and e	enter the necessary connection	information.				
	Connection String	Use Backup Data Source						
	Username							
	Password	Test Connection						
		Test Connection						
Security								
Allow Guest A		Available Roles	Allowed Roles					
Allow Guest A	coess	BI Administrator Role	ALLROLES	× 8				
		BI Author Role BI Consumer Role	Move	î   ŏ				
		BI System Role	⊗					
		FCUBS Consumer Role	Move All	8				
			Remove					
			Remove All	*				

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

Change Center	🔒 Ho	ome Log Out Pre	ferences 🔤 Record Help	Q			We	lcome, weblogic	Connected to: dev_dor
View changes and restarts	Home	>Summary of De	ployments						
Configuration editing is enabled. Future	Summa	ary of Deployme	nts						
changes will automatically be activated as you modify, add or delete items in this domain.	Contr	rol Monitoring							
Domain Structure									
ev_domain				tand-alone application modules that from the domain by first selecting					
Environment     Deployments	Tak		ation or module for dealermo	t to targets in this domain, click th	a Testal bu	*****	-		
Services		istali a new applic	actor of module for deployme	ic to cargets in this domain, click o	IE TISCH DO	ccon.			
Security Real Deployments, Level 1, 2 of 6, Sele									
Interoperability     Diagnostics	Cus	tomize this table	e						
a organization	Depl	oyments							
	Ins	tall Update	Delete Start v Sto	p v				Showing 1 to 4	7 of 47 Previous   Next
		Name 🚕			State	Health	Туре	Targets	Deployment Order
		🛃 AqAdapter			Active	🛩 ок	Resource Adapter	soa_server1	324
Install an enterprise application		🗄 📑 b2bui			Active	🛩 ок	Enterprise Application	soa_server1	313
Configure an enterprise application		E BamCompo			Active	🛩 ок	Enterprise	have accord	500
Update (redeploy) an enterprise application		E Bamcompo	iser		Active	✓ UK	Application	bam_server1	500
Start and stop a deployed enterprise     application		🗄 📑 BamCQSer	vice		Active	🛩 ок	Enterprise Application	bam_server1	300
Monitor the modules of an enterprise     application					Active	🛩 ок	Enterprise Application	bam_server1	400
Deploy EJB modules     Install a Web application			iser		Active	🛩 ок	Enterprise Application	soa_server1	385
System Status		👼 coherence-tra	insaction-rar		Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
Health of Running Servers Failed (0)		ScoherenceAd	apter		Installed		Resource Adapter		331
Critical (0)		DbAdapter			Active	🛩 ок	Resource Adapter	soa_server1	322
Overloaded (0) Warning (0)		E DefaultTo	Do TaskFlow		Active	🛩 ок	Enterprise Application	soa_server1	314
OK (3)							Web	AdminServer,	

### 4. Click on Configuration Configuration $\rightarrow$ Save

	inistration Console 12c		Q
Change Center	🏫 Home Log Out Preferences 🔤 Record Help		Welcome, weblogic Connected to: dev_domain
View changes and restarts	Home >Summary of Deployments >BamComposer >Summ	nary of Deployments >BamComposer	
Configuration editing is enabled. Future	Settings for BamComposer		
changes will automatically be activated as you modify, add or delete items in this domain.	Overview Deployment Plan Configuration	Security Targets Control Testing	Monitoring Notes
Domain Structure	Application Workload Instrumentation		
dev_domain	Save		
Deployments     Services     Security Realms	This page describes the configuration information	that is currently defined in the deployment	t plan for the selected module or component.
<ul> <li>Interoperability</li> <li>Diagnostics</li> </ul>	Session cookies max age (in seconds):	-1	The life span of the session cookie (in seconds) after which it expires on the clent. The value '-1' indicates that the cookie will persist until the client's browser shuts down. More Info
	Session Invalidation Interval (in seconds):	60	The time (in seconds) that WebLogic Server waits between doing house-cleaning checks for timed-out and invalid sessions, and deleting the old sessions and freeing up memory. More Info
How do I E	Session Timeout (in seconds):	3600	The amount of time (in seconds) that a session can remain inactive before it is invalidated. More Info
Create a deployment plan     Update a deployment plan	Debug Enabled		Enable debugging information for this session More Info
<ul> <li>Start and stop a deployed enterprise application</li> <li>Configure an enterprise application</li> </ul>	Maximum in-memory Sessions:	-1	The maximum number of sessions to retain in memory.The value '-1' indicates that there is no limit. More Info
Target an enterprise application to a server  System Status	Monitoring Attribute Name:		Specifies the name of a session attribute which is tagged with session information. For example, if this value is set to username, then the username attribute is guaranteed to be unique. More Info
Health of Running Servers			LULO
Faled (0) Critical (0) Overloaded (0)	Save		
Waming (0) OK (3)			
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Orade and/or its affiliates. All ri Orade is a registered trademark of Orade Corporation an	ights reserved. Id/or its affiliates. Other names may be trademarks of their re	espective owners.	



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

Change Center	🔒 Home Log Ou	ut Preference	s 🟊 Record He	alp		Q				Welcome, weblogic Connected to: dev_doma	
View changes and restarts	Home >Summary of	f Deployments >	BamComposer >Sun	nmary of Dep	loyments >B	amComposer	>Summary	of Deployments	>BamCom	nposer	
Configuration editing is enabled. Future	Settings for BamComposer										
changes will automatically be activated as you modify, add or delete items in this domain.	Overview Dep	loyment Plan	Configuration	Security	Targets	Control	Testing	Monitoring	Notes		
Domain Structure	Save										
dev_domain	plan, and so on.	The table at		age lists the						he application files, the associated deployment intained in the enterprise application. Click on the	
Interoperability     Diagnostics	Name:		BamComposer					The	name of t	his enterprise application. More Info	
	Path:		/ scratch/ app/ fr BamComposer. ea		dleware/ s	a/ bam/ ap	oplications/			ne source of the deployable unit on the Server. More Info	
	Deployment Pla	n:	/ scratch/ app/ fr Plan3. xml	mw12c/ Mid	dleware/ s	a/ bam/ ap	oplications/			ne deployment plan document on the Server. More Info	
How do I E  • Start and stop a deployed enterprise	Staging Mode:		nostage					on t	the Adminis	her a deployment's files are copied from a source stration Server to the Managed Server's staging plcation preparation. More Info	
application Configure an enterprise application Create a deployment plan Target an enterprise application to a server	Plan Staging M	ode:	(not specified)					from	n a source	her an application's deployment plan is copied on the Administration Server to the Managed g area during application preparation. More Info	
Test the modules in an enterprise     application	Security Model:		DDOnly						security m Jule. More	nodel that is used to secure a deployed e Info	
System Status E Health of Running Servers	街 Deployment	Order:	500					rela		ie that indicates when this unit is deployed, er deployable units on a server, during e Info	
Faled (0)           Ortical (0)           Overloaded (0)           Warning (0)           OK (3)	🛃 Deployment Name:	Principal						whe This calli App	en deployin principal w ng out into ilicationLife	that indicates the principal that should be used g the file or archive during startup and shutdown. all be used to set the current subject when application code for interfaces such as cycleListener. If no principal name is specified, yrous principal will be used. More Info	
	Save										
	Modules and C	omponents									

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> <variable> <variable> <variable> <value>never</value> </variable> <module-descriptor external="true"> <variable> <module-descriptor external="true"> <variable> <module-descriptor external="true"> <variable> </module-descriptor external="true"> <variable-assignment> <variable-assignment> <variable-assignment> <variable-assignment> <variable-assignment> <variable-assignment> <variable-assignment> <variable-assignment> </variable-assignment> </wodule-descriptor>



Plan3.xml



<ul> <li>B- Services</li> <li>B- Security Realms</li> <li>B- Diagnostics</li> </ul>	-		tomize this table oyments						
		Ins	tall Update Delete Start v	Stop v		_		Showing 1 to 47	of 47 Previous   Next
	1		Name 🗠 🧹	When work completes Force Stop Now		alth	Туре	Targets	Deployment Order
	[	-	👼 AqAdapter	Stop, but continue servicing administra	ition reques	ts ok	Resource Adapter	soa_server1	324
How do I	[	-			Active	🛩 ок	Enterprise Application	soa_server1	313
Configure an enterprise application     Update (redeploy) an enterprise application		V			Active	🛩 ок	Enterprise Application	bam_server1	500
Start and stop a deployed enterprise application	[	-			Active	🛩 ок	Enterprise Application	bam_server1	300
Monitor the modules of an enterprise     application	[	-			Active	🛩 ок	Enterprise Application	bam_server1	400
Deploy EJB modules     Install a Web application	[	8			Active	🛩 ок	Enterprise Application	soa_server1	385
System Status	[	-	oherence-transaction-rar		Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
Failed (0)	[	-	GoherenceAdapter		Installed		Resource Adapter		331
Critical (0) Overloaded (0)	I	-	BDAdapter		Active	🛩 ок	Resource Adapter	soa_server1	322
Warning (0) OK (3)	I	-	DefaultToDoTaskFlow		Active	🛩 ок	Enterprise Application	soa_server1	314
	[	-	■ DMS Application (12.1.3.0.0)		Active	🛩 ок	Web Application	AdminServer, bam_server1, soa_server1	5
	I	-	🗄 🌄 em		Active	🛩 ок	Enterprise Application	AdminServer	400
	1	-	E FCUBSAppIUT (12.1.0.0.0)		Active	A Warning	Enterprise Application	soa_server1	600
	[	-	E FCUBSAppSoaEmb (12.1.0.0.0)		Prepared	🛩 ок	Enterprise Application	soa_server1	601
	[		👼 FleAdapter		Active	🛩 ок	Resource Adapter	soa_server1	321
	I		⊞ <mark>[]</mark> frevvo		Installed		Enterprise Application		100
			🕿 FtnAdanter		Active	🖋 ок	Resource	soa server1	325

### 7. Stop the BAM composer application in console.

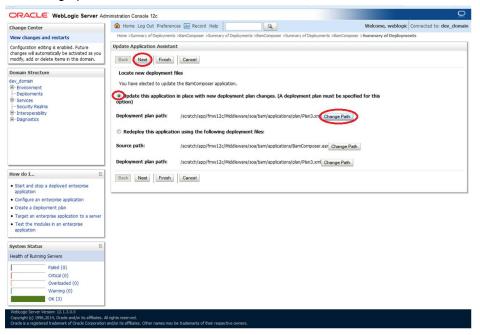
8. Update the deployment plan.

### 9. Click on deployments →click on BAM Composer checkbox →Click on update

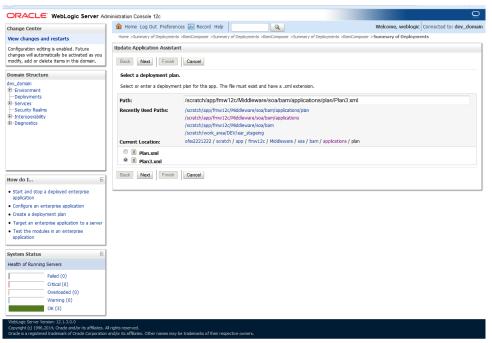
Change Center	🔒 H	me Log Out Pre	ferences 💽 Record Help	Q			We	kome, weblogic	Connected to: dev_do
Fiew changes and restarts	Home	>Summary of Deplo	yments >BamComposer >Summar	y of Deployments >BamComposer >Sum	mary of Depl	oyments >Ba	mComposer >Si	ummary of Deployn	nents
configuration editing is enabled. Future	Summ	ary of Deployme	nts						
hanges will automatically be activated as you nodify, add or delete items in this domain.	Cont	ol Monitoring							
omain Structure									
rv_domain = Environment Deployments > Services - Security Realms - Interogerability	star To i	ed, stopped, upd	ated (redeployed), or deleted	tand-alone application modules that I from the domain by first selecting nt to targets in this domain, click th	the applica	tion name a			
- Diagnostics			~						
	Dep	tall Update	Delete Start v Sto	ip v				Showing 1 to 47	of 47 Previous   Nex
		Name 🚕			State	Health	Туре	Targets	Deployment Order
		😹 AqAdapter			Active	🛩 ок	Resource Adapter	soa_server1	324
ow do I E Instal an enterprise application		🗄 📑 b2bui			Active	🛩 ок	Enterprise Application	soa_server1	313
Configure an enterprise application		E BamComp	oser		Active	🛩 ок	Enterprise Application	bam_server1	500
Update (redeploy) an enterprise application Start and stop a deployed enterprise application			vice		Active	🛩 ок	Enterprise	bam_server1	300
Monitor the modules of an enterprise application		⊞ 📑 BamServer			Active	🛩 ок	Enterprise Application	bam_server1	400
Deploy EJB modules Install a Web application			oser		Active	🛩 ок	Enterprise Application	soa_server1	385
stem Status 🛛 🖂		Scoherence-tra	ansaction-rar		Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
Faled (0)	<b></b>	GoherenceAd	apter		Installed		Resource Adapter		331
Critical (0) Overloaded (0)		DbAdapter			Active	🛩 ок	Resource Adapter	soa_server1	322
Warning (0) OK (3)			DoTaskFlow		Active	🛩 ок	Enterprise Application	soa_server1	314
OK (3)		E SDMS Apple	ration (12.1.3.0.0)		Active	🛩 ок	Web Application	AdminServer, bam_server1,	5



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



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





0							
ORACLE WebLogic Server Adm	ninistratio	n Console 12c					
Change Center	🕜 н	ome Log Out Preferences 💽 Record Help	Q		Wel	come, weblogic	Connected to: dev_do
View changes and restarts		>Summary of Deployments >BamComposer >Summary of Deployment	s >BamComposer >Summary of Depl	oyments >Ba	mComposer > <b>S</b>	ummary of Deployn	nents
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.		ges I changes have been activated. No restarts are necessary. elected Deployments were updated.					
Domain Structure	Summ	ary of Deployments					
der, doman He Ensonment - Deployments He Services Historyenability Historyenability Houpprovides	Cont This star To I	Nontoring page doplays a let of Java EE applications and stand-alone ap ted, stopped, updated (redeployed), or deleted from the dor nstall a new application or module for deployment to targets i tomize this table	ain by first selecting the applica	tion name a			
		loyments Itali Update Delete Start v Stop v				Showing 1 to 47	of 47 Previous   Next
How do I E		Name 🏟	State	Health	Туре	Targets	Deployment Order
Install an enterprise application     Configure an enterprise application		🐼 AqAdapter	Active	🛩 ок	Resource Adapter	soa_server1	324
Update (redeploy) an enterprise application     Start and stop a deployed enterprise     application		🗉 📑 b2bui	Active	🛩 ок	Enterprise Application	soa_server1	313
Monitor the modules of an enterprise     application		BamComposer	Prepared	🛩 ок	Enterprise Application	bam_server1	500
Deploy EJB modules     Install a Web application		BamCQService	Active	🛩 ок	Enterprise Application	bam_server1	300
System Status		BamServer	Active	🛩 ок	Enterprise Application	bam_server1	400
Health of Running Servers		BPMComposer	Active	🛩 ок	Enterprise Application	soa_server1	385
Failed (0) Critical (0) Overloaded (0)		Scoherence-transaction-rar	Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
Warning (0)		GoherenceAdapter	Installed		Resource Adapter		331
OK (3)		BbAdapter	Active	🛩 ок	Resource Adapter	soa_server1	322

12. Restart the BAM Composer application in the console

	inist	ation Conso	ole 12c								Q
Change Center		Home Log Ou	ut Preferences 🔀	Record Help	9	<u>.</u>				Welcome, admin	connected to: AlphaDomain
View changes and restarts			poser >Summary of D am/composer > <b>Summ</b>			Deployments >BamCompose	er >Summar	y of Deployn	ents >Summary of	Servers >Summary of	
Configuration editing is enabled. Future		ages									
changes will automatically be activated as you modify, add or delete items in this domain.	~	Selected Dep	ployments have been	n requested to sto	p.						
	Sum	mary of De	ployments								
boman structure											
AlphaDomain	Col	ntrol Monif	toring								
Servers											
-Clusters	T	is page displa	avs a list of Java EE a	applications and st	tand-alone application	modules that have been ins	stalled to th	is domain. Ir	stalled application	s and modules can be starte	d, stopped, updated
Coherence Clusters						ame and using the controls					
Machines	-				the terror terror to the terror	a shakaka waxa waxa waxa					
Virtual Hosts Work Managers	10	reistas à new	application or modul	e tor deployment	to targets in this doma	in, dick the Install button.					
	Þo	ustomize th	nis table								
Services											
Security Realms	De	ployments									
Interoperability		nstall Up	date Delete	Start ~ Stop							
-Diagnostice	1	nstall Up	Delete		_					Showing 1 to 4	3 of 48 Previous   Next
How do I 🖂		Name 🗠		Servicing all equi	iests Iministration requests		State	Health	Туре	Targets	Deployment Order
Install an enterprise application				berneng enty de	in its count courses				Resource		
Configure an enterprise application	1	]	spter				Prepared	≪ OK	Adapter	SOAServer	324
Update (redeploy) an enterprise application	E	] ⊞ <mark>mb2</mark> t	bui				Prepared	≪ oĸ	Enterprise	SOAServer	313
<ul> <li>Start and stop a deployed enterprise application</li> </ul>		0							Application		
Monitor the modules of an enterprise	ß	E 📻 Ban	mComposer				Prepared	<b>√</b> ОК	Enterprise Application	BAMServer	500
application		0									
Deploy EJB modules	E	🛛 🗄 📑 Ban	mCQService				Active	🖋 ОК	Enterprise Application	BAMServer	300
Install a Web application									Enterprise		
	E	] ⊞ 📑 Ban	mServer				Active	🖋 ОК	Application	BAMServer	400
System Status 🖂		_							Enterprise		
Health of Running Servers	E	]	MComposer				Active	🖋 ОК	Application	SOAServer	385
									Resource	AdminServer, BAMServer,	
Failed (0)	E	□   Ø <sup>conere</sup>	ence-transaction-rar				Active	✓ OK	Adapter	SOAServer	100
Critical (0)									Resource		
Overloaded (0)	E	Cohere	enceAdapter				Installed		Adapter		331
Warning (1)									Resource		
OK (2)	2	] Ø <sup>DbAda</sup>	pter				Active	✓ OK	Adapter	SOAServer	322
	E	] ⊞Def	faultToDoTaskFlow				Active	🗸 ОК	Enterprise Application	SOAServer	314
		-								AdminServer, BAMServer,	
	E		IS Application (12.1.3	3.0.0)			Active	🖋 ОК	Web Application	SOAServer	5
								Δ	Enterprise		

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



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

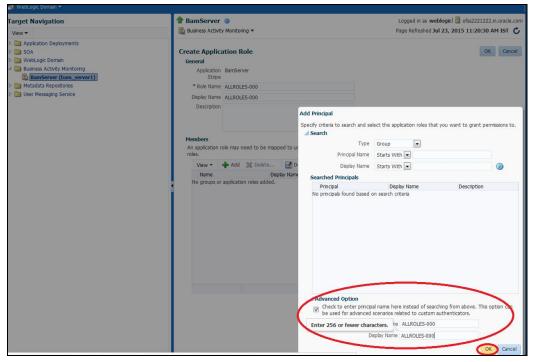
 BamServer	Logged in as <b>weblogic</b> 🗐 ofss2221222.in.oracle.cor
Business Activity Monitoring	Page Refreshed Jul 23, 2015 11:17:31 AM IST
Application Roles Application roles are the roles used by security aware applications that are is application. To manage users and groups in the WebLogic Domain, use the <u>Oracle V</u> Policy Store Provider Scope WebLogic Domain Provider LDAP Location Polices pication Roles Provider IDAP Location (jdbc/OpsablatSource) pication Roles Provider in the starts With Role Hame Starts With Test Internet Starts With Role Name Display Hame No application roles found.	ikcation roles that are created in the context of end users accessing the VebLogic Server Security Provider. tion. Use application stripe to search if application uses a stripe that is

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

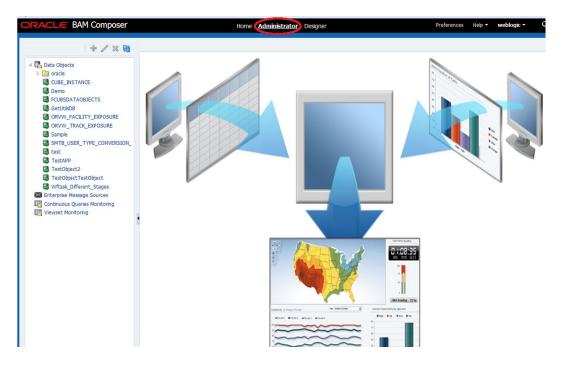
CRACLE' Enterprise Manager Fusion Middleware     WebLogic Domain -	Control 12c	👥 weblogic 🕶 🔘
Target Navigation	BamServer ③     Business Activity Monitoring ▼	Logged in as <b>weblogi</b> cl 📃 ofss2221222.in.oracle.com Page Refreshed Jul 23, 2015 11:20:30 AM IST 🖒
<ul> <li>Application Deployments</li> <li>SOA</li> <li>Bushess Activity Monitoring</li> <li>BanServer (Dam. server))</li> <li>Metadata Repositories</li> <li>Diser Messaging Service</li> </ul>	Create Application Role General Application BamServer Stripe * Role Name ALROLES-000 Display Hame ALROLES-000 Description Members An application role may need to be mapped to users or groups defined roles. Vew v Add C Delete	OK Cancel
	Name Display Name No groups or app[Add roles] added.	Type



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

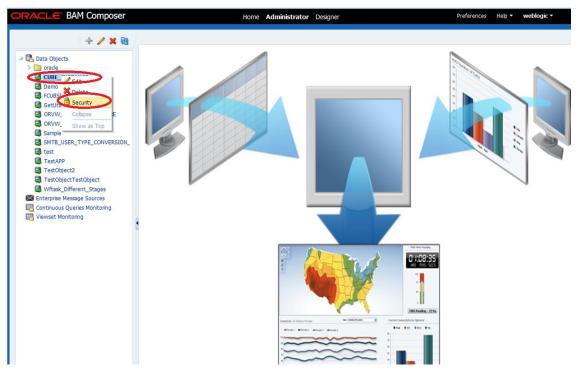


17. Login to BAM Composer → http://hostname:port/bam/composer--> Click on Administrator.





18. Go to Data Object→Right Click on CUBE\_INSTANCE→Security



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

ORACLE BAM Composer	Home Administrator Designer Preferences	Help • weblogic •
+ / × @	GetUtilsD8 (Security) ×	2 M
	Full Name         /dataobject/GetUtisD8           Owner Type         USER           Owner Name         weblogic	Gave     Save     Save
CettVHEDB CetVILEDB CetVILEDB CetVILEDB CetVILETY_EXPOSURE CetVILETY_EXPOSURE CetVILETY_EXPOSURE CetVILETE CETVILET	1. Grant permission       Add Application Roles, Groups and Users         View <ul> <li></li></ul>	×
	2. Deny Permission View   View	



20. Move the ALLROLES-000 to Selected members.

RACLE BAM Composer	Home Admin	istrator Designer Prefere	nces Help <del>-</del>	weblogic 🔻
÷ / × @	GetUtilsDB (Security) $_{\times}$			3
Data Objects  CuBE_INSTANCE  Demo CUBE_INSTANCE  CUBSDATAOBJECTS  CUBSDATAOBJECTS  CUTVISIDB	Security Full Name //dataobject/GetUtikDB Owner Type USER Owner Name weblogic		1	Sa Sa
ORVW_FACILITY_EXPOSURE ORVW_TRACK_EXPOSURE Sample Simple Simple Test TestObject2 TestObject2 Withak_Offerent_Stages Enterprise Message Sources Continuous Queries Monitoring Witesk_Offerent_Stages	1. Grant permission         Vew       Image: Comparison of the second	Add Application Roles, Groups and Users Name List: Application Role Search Available Hembers BPMContentVlewer ALLROLES-000		×
	2. Deny Permission Vew ▼ ◆ X ⊡ Detach Role Name Read Write No data to deplay	OK Cancel		

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

RACLE BAM Composer		nu	ane Auminist	rator Designer			Preferences H	lelp • weblogic •
+ / × 🛯	GetUtilsDB (Security) ×	:						?
Data Objects     On oracle     Ouse_INSTANCE     Demo     FOUSEDATAOBJECTS     GetUtilsOB	Full Name /datac Owner Type USER Owner Name weblo	object/GetUtilsDB gic						1 82 5
ORVW_FACILITY_EXPOSURE	1. Grant permission							
ORVW_TRACK_EXPOSURE  Sample		Detach						
Sample	Kolé Name	Read	Write	Remove	Select	Delete	Update	Security
🗟 test	BR ALLROLES-000	7			<ul><li>✓</li></ul>			
TestAPP	BAMArchitect	<b>V</b>		2		<b>1</b> 2		10
TestObject2	BAMContentCreator	<b>V</b>						
TestObjectTestObject Wftask_Different_Stages	BAMContentViewer	<b>V</b>						<b></b>
M Enterprise Message Sources 같은 Continuous Queries Monitoring 暇 Viewset Monitoring								
	2. Deny Permission							
		Detach						
	Role Name No data to display	Read	Write	Remove	Select	Delete	Update	Security
	no usus to tilsplay							

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  $\rightarrow$  Open Project

24. Click on FCUBS\_BAM\_report

ORACLE BAM Composer	Home Administrator <b>Designer</b>	Preferences Help - weblogic - C
FCUBS_BAM_Report 💵		
<ul> <li>C bata Objects</li> <li>Business Queries</li> <li>KPIs</li> <li>Submess Vews</li> <li>S business Vews</li> <li>S bashboards</li> <li>Akrts</li> <li>Parameters</li> </ul>	Open Project   Select the project to open   Image: Clubs. BAM. Report   Image: Process Analytics   Image: TestApp_2204	s



25. Click on FCUBS\_BAM\_Report → Security

ORACLE BAM Composer Home Administrator Designer Preferences Heb +	weblogic 🕶
Image: Search Report       Open Project         Image: Search Search       Deate         Image: Search Search       Death Deate         Image: Search	

26. Click on ADD button Under Grant Permission.

CUBS_BAM_Report 🔳	FCUBS_BAM_Report	t (Security) ×					?
D + / X 🕅	<b>Becurity</b>					(j) (k)	Sav
<ul> <li>▷ Data Objects</li> <li>▷ III Busness Queries</li> <li>● KPIs</li> <li>▷ III Busness Views</li> <li>▷ IIII Bushboards</li> </ul>	Full Name /p Owner Type Ut	roject/FCUBS_BAM_ ER eblogic	Report				
Alerts	1. Grant permissi						
Parameters	View -	Detach					
	Role Mame	Deed		Remove	Security		
	Co BAMContencere			V			
	BAMContentVie	wer 🗵					
	2. Deny Permissio	n					
	2. Deny Permissio View 🔻 💠 🕽						
			Write	Remove	Security		



ORACLE BAM Composer		Home Adminis	strator <b>Design</b>	er		Preferences	Help 🔻	weblogic 🔻	C
FCUBS_BAM_Report 💌	FCUBS_BAM_Report	(Security) ×						2	<b>a</b>   -
<ul> <li>FCUBS_BAM_Report I</li> <li>Cata Objects</li> <li>Cata Objects</li> <li>Cata Objects</li> <li>Cata Objects</li> <li>Cata Objects</li> <li>KPIS</li> <li>Cata Objects</li> <li>Cata Objects<!--</td--><td>Owner Type USE Owner Name web</td><td>Detach</td><td></td><td>Remove V</td><td>Security</td><td></td><td>•</td><td>Save .</td><td></td></li></ul>	Owner Type USE Owner Name web	Detach		Remove V	Security		•	Save .	
	2. Deny Permission								
	View 👻 💠 💥	d Detach							
	Role Name	Read N	Vrite	Remove	Security				
	No data to display								

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

ORACLE' BAM Composer	Home Administrator Designer	Preferences	Help 🔻	weblogic 🕶
FCUBS_BAM_Report 💌	FCUBS_BAM_Report (Security) ×			() 🛛
D + / × R	13 Security		1	Save Save
<ul> <li>Data Objects</li> <li>Busness Queries</li> <li>KPIs</li> <li>Busness Views</li> <li>Bashoards</li> <li>Alerts</li> </ul>	Full Name /project/FCUBS_BAM_Report Owner Type USER Owner Name weblogic			
Alerts     Parameters	1. Grant permission			
	Add Application Roles, Groups and Users × Name C: Application Role Search Ausiliable Hembers BAMArchitect BAMArchitect ALLROLES-000 % CK Cancel			



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

ORACLE BAM Composer	Home Administrator Designer	Preferences	Help 🔻	weblogic + C
FCUBS_BAM_Report 🔳	FCUBS_BAM_Report (Security) ×		()	<ul> <li>② ⊠ ▼</li> <li>Gave</li> </ul>
<ul> <li>▷ 100 Data Objects</li> <li>▷ 100 Busness Queries</li> <li>► KPIs</li> <li>► Busness Views</li> <li>▷ 100 Busness Views</li> <li>▷ 100 Busness Views</li> </ul>	Full Name /project/FCUBS_BAM_Report Owner Type USER Owner Name weblogic			
Alerts Parameters	Add Application Roles, Groups and Users Name Lst: Application Role  Search BAMArchitect BPMContent/Viewer  K Cancel  X			

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

ORACLE BAM Composer	Home Administrator Designer	Preferences Help <b>▼ weblogic ▼</b>
FCUBS_BAM_Report 💌	FCUBS_BAM_Report (Security) ×	2 🛛
	🖻 Security	i 🐏 Save
<ul> <li>▷ Business Queries</li> <li>♥ Business Queries</li> <li>♥ ₩ Business Views</li> <li>▷ ₩ Business Views</li> <li>▷ ₩ Dashboards</li> </ul>	Ful Name /project/FCUBS_BAM_Report Owner Type USER Owner Name weblogic	
Alerts ▷ Imiliar Parameters	1. Grant permission	
	View 🔻 🐥 🔀 Detach	
	Kole Name Read Write Remove Security	>
		-
	BAMContentCreator   Image: Content Viewer	
	🖓 BAMContentViewer 🗹 🔲	
	2. Deny Permission	
	View 🔻 🛖 💥 🔛 Detach	
	Role Name Read Write Remove Security	
	No data to display	



### 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 Lo	g Out Preferences 🔤	Record Help	Q				Velcome, web	logic Connected to: IPM_domain
View changes and restarts		Home								
Configuration editing is enabled. Future		ettings for	myrealm							
changes will automatically be activated as you		-		1	V	· ·				
modify, add or delete items in this domain.	_ U	Configuratio	Users and Groups	Roles and Policies	Credential Mappings	Providers	Migration			
Domain Structure		Users G	oups							
IPM_domain	7.0									
Environment     Deployments		This page of	isplays information about	each group that has	been configured in this se	curity realm.				
E-Services										
Security Realms		Customiz	e this table							
Interoperability     Diagnostics										
- Disgrissies		Groups								
		New	clete						Showing	1 to 10 of 568 Previous   Next
		🔲 Nam	e 🌣	Description						Provider
		AC-B	тон	Accounting Batch Op	perations					Fcubs
		AC-R	PORTS	Accounting Reports						Fcubs
How do I		AC-R	ग	Accounting Reports						Fcubs
Manage users and groups		ADMI	N	Admin						Fcubs
Create groups		🔲 Admir	ChannelUsers	AdminChannelUsers	can access the admin cha	nnel.				DefaultAuthenticator
Modify groups		🔲 Admir	istrators	Administrators can v	iew and modify all resourc	e attributes	and start and	stop servers.		DefaultAuthenticator
Delete groups		ADMI	ROLE	Admin Role						Fcubs
		AE-M	AINT-IN	AEOD Maitenance						Fcubs
System Status		AEOD	-RPT	AEOD Reports						Fcubs
Health of Running Servers		AEOD	-STB	Accounting Reports						Fcubs
Failed (0)		New	elete						Showing	1 to 10 of 568 Previous   Next
Critical (0)										
Overloaded (0)	15									
Warning (0)										
OK (3)										

• 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				Õ
Change Center	🔒 Home Log Out Pref	erences 🔤 Record Help	٩	Welcome, weblogic	Connected to: IPM_domain
View changes and restarts	Home				
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Group OK Cancel				
Domain Structure IPM_domain IPM_domain IPT-Environment Deployments IPT-Services IPT	Group Properties The following propertie * Indicates required field	s will be used to identify your new Gr	oup.		
Security Realms Interoperability Diagnostics	What would you like to r	ame your new Group?			
	How would you like to de	user group for IPM			
How do I	Please choose a provide	r for the group.			
How do L     Create groups	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	rights reserved. and/or its affiliates. Other nam	es may be trademarks of their respective	e owners.		

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

ORACLE WebCenter Content: Imaging	
	Sign In
	User ID
	Password
	Sign In
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	Lagged in as weblogic   Help   Refresh   Preferences   Lagest   About
E B Searches		Modify 💈 Delete 🗷 Clase
(SBC10	FLEXCUBE: Application Summary	Ploary Coste Coste
	BGeneral Properties	
🗉 🖉 Tools	Application 1d 2 Application Name PLEXCUBE	
8 S Manage Searches	Description Repository Lacal	
🗄 🔄 Mana je Applications 🔄 🕒	Pull-Text Option None	
TLENCURE	©Field Definitions	
	Type Name Length Scale Resured Indexed Default Value Picklist Abc Field Name 1 80	
	■Application Security	
, , , , , , , , , , , , , , , , , , ,	Type Security Hember View Hodify Delete Grant Access	
1 7	👌 weblogic 🗸 🗸 🗸 V	
	BDocument Security	
7	Type Security Member View Write Delete Grant Lock Admin Annotate Annotate Annotate Hidden	
· · · · · · · · · · · · · · · · · · ·	Administraturs V V V V V V Diffuse Group V V V V V V	
	Storage Policy	
, , , , , , , , , , , , , , , , , , ,	Document Storage	
, , , , , , , , , , , , , , , , , , ,	Volume File default	
, , , , , , , , , , , , , , , , , , ,	Supporting Content Storage Volume File default	
, , , , , , , , , , , , , , , , , , ,		
, , , , , , , , , , , , , , , , , , ,	Workflow Configuration	
1 7	Workflow configuration has not been defined.	
, , , , , , , , , , , , , , , , , , ,	Application History	
, , , , , , , , , , , , , , , , , , ,	Cate Type User Name 7/21/2015 Sc19-4. Definition Create weblogic	
, , , , , , , , , , , , , , , , , , ,	7/21/2015 6+82:1 Definition Modify weblogic	
🗉 🖙 Manage Inputs		
16 🖏 Manage Connections		
P P Manage Security     Consider the Million All views		Béne: Balana
Copyright (c) 2010, 2015 Oracle and/or its affiliates. All rights	ta reserved.	

- 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.



ORACLE WebCenter Content	- Imaning	Lagged in an weblagic   Help   Refresh   Preferences   Lagout   About	0
II 🔄 Searches USER_ID	General Properties Field Definitions Application Security Document Security strage Policy Workflow Configuration Review Settings		,
	Create Application: Document Security		Cancel Back Next Submit
	Provide security rights for the application's content. Select 'Next' when you have finished with document security. Note: The 'Grant Access' security right automatically confers 'Write' and 'Delete	security rights in the repository.	carter back next source
	🗞 Add 🕐 Copy 💥 Remove		
🗉 🖉 Tools	The Count Market Market State Grant Look Annotate Annotate Annotate		
🗄 🔍 Manage Searches 🔄 📑	Type Security member view write beine Access Lock-amin Standard Restricted Hidden		
USER_ID	🛞 1940.sectiosp 🗸 🖌 👘 🖉 🖌 🖉		
	Add Security Member		
	Use the picklist to search for available security members. Use the text input		
Manage Applications	to find a specific member or include the "Character as a wildcard to search for members. (For example, search for 74% to find member names beginning		
RLEXCUBE	with W and ending with SC) Leave the test input blank to return all		
	Search Groups * 199*		
	Type Security Member		
	PMUseGroup		i i i i i i i i i i i i i i i i i i i
	Add Cancel		
	Add Cance		
Manage Inputs			
Manage Connections			
🗄 👺 Manage Security			
Copyright (c) 2010, 2015 Oracle and/or its affiliates. All right			Privacy Statement

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

- 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		Logge	d in as weblogic   Help   Refi	resh   Preferences   Logout   About 📿
🗉 🎘 Searches					<u> </u>
USER ID	USER_ID: Search Summary				🥖 Modify 💥 Delete 🔣 Close
USEK_10					
	Properties				
	Search Name USER_ID				
	Description				
🗉 🖗 Tools	Instructions				
🖃 🔩 Manage Searches 🛛 🗳	Maximum Search Results 0				
USER_ID	□Results Formatting				
		Document Creation Document Create	a		
	Source Application DOCID	Date By	Document Batch Id Document Id		
	FLEXCUBE DOCID	Document Creatio Document Create	d Document Batch Id Document Id		
	□Conditions				
	Application: FLEXCUBE				
		ator Value			N
	( Field Opera Document Created Contai		ated By		) Conjunction
		Perdificter - Document ore	ucoby		
	■Parameters				
	Parameter Name Prompt Text	Operator Text Default Value	Picklist Require	d Read Only	
	Document Created Document Created	Contains			
	⊡Security				
	Type Security Member	View Modify Delete	Grant Access		
	Administrators		Access		
	IPMUserGroup				
	C Interesting				
	Audit History				
	Date Type	User Name			
	7/2/2014 Definition Create	ARU1			
	7/4/2014 Definition Modify	weblogic			
🗉 🔁 Manage Applications	7/4/2014 Definition Modify 7/4/2014 Definition Modify	weblogic weblogic			
	7/4/2014 Definition Modify	weblogic			
Manage Inputs	7/4/2014 Definition Modify	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 O
CRACLE WebCenter Content	E Imaging	Logged in as weblogic (Heb) Refresh Preferences Logaut About O
Anage Applications     Anage Inputs     Anage Connections     Anage Connections     Manage Security		

9) Copy the FCBPELCIS.jar to location

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

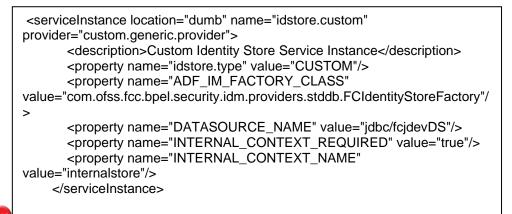
10) Go to the location – '<ORACLE\_HOME>\

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.



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 Mi	idieware Control 12c 🕷 WebLogic Domain 🔻 🛛 weblogic 🔻 🚥
Target Navigation		Mar 21, 2016 12:30:59 PM IST 👈
View * Home Home Monitoring Logs SOA Deployment Manage Partitions Work Manager Groups Resequencing Groups Service Engines Bindings	▶ ▶ ▶ ▶ ▶ 0) ▶ \$\$ [1.0]	Is that are specific to the application. These roles are seeded by applications in single global policy store when the applications are registered. These are also assing the application. Use application stripe to search if application uses a stripe that is different from application name.
Services and References Business Events SOA Administration	•	
Security Administration	<ul> <li>Application</li> <li>Application</li> </ul>	
Target Sitemap Target Information		
<pre>st CRDCProcess [1.1 st CreateCorporateCu st CreateCorporateCu st CreateCorporateCu st CreateCorporateCu st CreateBureauHandl st DBUNIty [1.0] st DBUNIty [1.0] st DBUNIty [2.0]</pre>	istomer [2.0] istomer [3.0] istomer [3.1] er [1.0]	
- 18 EOEVBrocopp (1.0)		



	se Manager Fusion Middleware Contr	112c	WebLogic Domain 🔻 weblogic			
★ soa-infra ③			Mar 21, 2016 12:30:59			
plication Roles						
lication roles are the roles used to lication roles that are created in the treated in the trea	by security aware applications that are sp ne context of end users accessing the ap ne WebLogic Domain, use the <u>Oracle We</u>	plication.	ons in single global policy store when the applications are registered. These a			
Policy Store Provider						
-						
Search	a quary rolas defined by this application	Jse application stripe to search if application uses a stripe th	not is different from application name			
			ians unerent nom approation name.			
Role Name	Starts With					
iew 🔻 🎽 Create	Create Like 💉 Edit 🗙 Delet	Search application roles	🖙 🖃 Del			
Role Name	Display Name	Description				
default Composer	Composer for the Default Part	•	to composite artifacts, such as business rules in a business process, security			
default_Deployer	Composite Deployer for the D		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 of			
default_ApplicationOperator	Application Operator for the De	fault Pa An application operator is responsible for handlin	ng customer complaints and making decisions on requests that result in faults			
default_Monitor	Monitor for the Default Partition	A default partition monitor is responsible for ensu	A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default parti			
MiddlewareOperator	SOA MiddleWare Operator	A middleware operator is responsible for ensurin	A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of co			
MiddlewareAdministrator	SOA Middleware Administrato	A middleware administrator is responsible for en	nsuring the continuous availability of the middleware servers, but is not always			
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 operationa	al tasks like start, stop, monitor, backups			
SOAMonitor	SOA Monitor Role	SOA application monitor role, has read-only privil-	SOA 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		SOA audit viewer role, can view audit records				
BPMWorkflowAdmin BPM Workflow System Admin Role		BPM Workflow Administrator Application Role				
BPMWorkflowCustomize BPM Workflow Customize Role		BPM Workflow Customize Application Role				
BPMAGAdmin	BPM Activity Guide Admin Role	BPM Activity Guide Administrator Application Role	2			
	BPM Organization Admin role	BPM Organization Administrator Application Role				
BPMOrganizationAdmin		Di la organization namino dator approdutor retore				

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

10.184.133.168:7401/em/faces/as/security/appRolesMain?type=oracle\_soainfra&target=/Domain\_soa\_domain/soa\_domain/soa\_server1/soa-infra#



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

	CLE <sup>®</sup> Ente	ORACLE Enterprise Manager Fusion Middleware Control 12c							
	soa-infra 🐧 SOA Infrastructur	e <del>v</del>			Mar 21, 2016 12:30:59 PM IST				
nnlicati	ion Roles								
••		used by security aw	are application:	s that are specifi	to the application. These roles are seeded by applications in single global policy store when the applications are registered. These are also				
plication ro	les that are creat	ed in the context of	end users acces	ssing the applica	òn.				
		is in the WebLogic	Domain, use th	Oracle WebLo	<u>c Server Security Provider</u> .				
Policy St	ore Provider								
Search									
nter search	keyword for role r	ame to query roles	defined by this	application. Use	pplication stripe to search if application uses a stripe that is different from application name.				
	Role Na	me Starts With	•						
View 🔻	Create	E Create Like	. 🖉 Edit	X Delete	📰 📓 Detach				
	-	_							
			Edit	he selected appli	<u>uton role</u>				
Role Na	ame	Di	splay Name		Description				
default_0	Composer	Co	omposer for the	Default Partition	A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security poli.				
default_[	Deployer	Co	omposite Deplo	er for the Defau	. A deployer is responsible for deploying new applications, upgrading existing applications, and managing the continuous integratio.				
default_1	Tester	Те	ster for the Defa	ult Partition	A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of				
default_/	ApplicationOperat	tor Ap	plication Operat	or for the Defaul	. An application operator is responsible for handling customer complaints and making decisions on requests that result in faults in				
default_f	Monitor	Mo	onitor for the Def	ault Partition	A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition.				
Middlewa	areOperator	SC	A MiddleWare (	Operator	A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w				
Middlewa	areAdministrator	so	OA Middleware A	dministrator	A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always resp.				
SOAAdm	nin	so	A Admin Role		SOA application admin role, has full privilege for performing any operations including security related				
SOAOpe	rator	SC	DA operator Role		SOA application operator, for common operational tasks like start, stop, monitor, backups				
SOAMon	iitor	so	A Monitor Role		SOA application monitor role, has read-only privileges for monitoring				
SOAAudi	itAdmin	so	DA Audit Admin F	Role	SOA audit administrator role, can perform audit configuratoin and administration				
SOAAuditViewer SOA Audit Viewer Role		Role	SOA audit viewer role, can view audit records						
BPMWorkflowAdmin BPM Workflow System Admin Role		tem Admin Role	BPM Workflow Administrator Application Role						
BPMWor	rkflowCustomize	BF	M Workflow Cu	stomize Role	BPM Workflow Customize Application Role				
BPMAGA	Admin	BF	M Activity Guide	Admin Role	BPM Activity Guide Administrator Application Role				
BPMOrg	anizationAdmin	BF	M Organization	Admin role	BPM Organization Administrator Application Role				

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

	e Manager Fusion Middleware Control 12c	NebLogic Domain 🔻 🛛 weblogic 👻 🚥
te soa-infra o SOA Infrastructure 🔻		Mar 21, 2016 12:34:21 PM IST 👏
Edit Application Role : S Role (or Enterprise Role) is the group General	SOAAdmin 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	OK Cancel
Application Stripe soa-infra		
Role Name S(	ncipal	
	riteria to search and select the application roles that you want to grant permissions to.	
Description SC pe re	Type Group	
	Principal Name Starts With 💌	
Members An application role may nee	Display Name Starts With 💌	
	d Principals	
Name View *	V 😥 Detach	/ре
Administrators	ncipal Display Name Description	roup
No sear	rch conducted	
	anced Option	
Che	eck to enter principal name here instead of searching from above. This option can be used for advanced scenarios related to custom authentica	
		OK Cancel



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

	nterprise Manager Fusior	Middleware Control 12c		🔚 WebLogic Domain 🔻	weblogic 🔻 🚥
SOA Infrastruc	ture 🔻			Mar 21,	2016 12:34:21 PM IST 👈
Edit Application F					OK Cancel
Role (or Enterprise Role) is General	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.	
Application Stripe so	pa-infra				
Role Name SC	Add Principal				
Display Name SC	Specify criteria to search and Search	select the application roles that	ou want to grant permissions to.		
Description SC pe re		Type Group			
Members		Principal Name Starts W	ALLROLES-000		
An application role may nee		Display Name Starts W	ith 💌		
View 👻 🕂 Add	Searched Principals		Search roles		
Name	View 🔻 📄 Detach				)e
Administrators	Principal	Display Name	Description	ro	up
	ALLROLES-000		ALLROLES-000		
	Advanced Option	nome base instand of anothing	form about This and an an be used for advanced a second second		
	Check to enter principal	name nere instead of searching	from above. This option can be used for advanced scenarios relat		
				OK Cancel	
0.184.133.168:7401/em/faces/a	s/security/editAppRole?type=or	acle soainfra⌖=/Domain <	oa_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	<b>rise Manager</b> Fusi	on Mic
📑 WebLogic Domain 🔻		
Target Navigation		1
View 🔻		ê.
Application Deployments     Application Deployments     SOA     WebLogic Domain     Business Activity Monitori     Metadata Repositories     User Messaging Service     Businessagingdriver-     Businessagingdriver-	email (bam_server1)	En Tř
ພີ່ມ usermessagingserve ພື້ມ usermessagingserve	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)

WebLogic Domain *	ion Middleware Control 12c				👥 weblogic 🔻 🔘
Target Navigation	tion usermessagingdriver				ofss2221222.in.oracle.com
Application Deployments     SOA     SOA     Busings Activity Monitoring     MetLadata Repositories	Edit Driver Properties	;			OK Cancel
Metadata Repositories     Image: Service	Name Fi	CUBS121 Jser Messaging Email Driver	Supported Proto		
삶 usermessagingdriver-email (ban server 1) 삶 usermessagingdriver-email (soa_serv 삶 usermessagingserver (ban_server 1) 삶 usermessagingserver (soa_server 1)	Configuration Level ( Supported Delivery Types El Capability Si	© Domain Cluster Cluster Name MAIL END, RECEIVE	Supported Carr Sender Addr	O Use Sender Addresses	
	DU		.:i		

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

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

- 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

Name	Description	Mandatory	Encoded Credential	Value	
Outgoing Mail Server	The name of the SMTP server. Mandatory only if e-mail sending is required.			xxxxx	-
Outgoing Mail Server Port	Outgoing Mail Server Port			25	
Outgoing Mail Server Securit	The security used by SMTP server. t 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

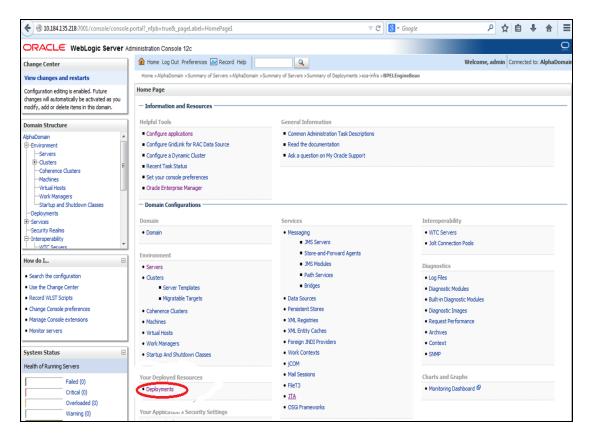
		usion Middleware Control 12c	👥 weblogic 🔻 🔘
WebLogic Domain * Target Navigatio		থি soa-infra ৩ স্থ্র SOA Infrastructure ▼	Logged in as weblogicl 📗 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:15:16 AM IST 🖒
Application Depl     Application Depl     SOA     SOA     SOA     SOA     WebLogic Don     Business Activ     Metadata Reg:     User Messagir	Home Monitoring Logs SOA Deployment	Al changes made in this page require a server restart to take effect. Workflow Notification Properties	P Related Links - Apply Revert
े usermessa हिंध usermessa हिंध usermessa हिंध usermessa	Manage Partitions Work Manager Groups Resequencing Groups Service Engines Bindings	* Email : From Address xxx@xxx.com	
	Bindings Services and References Business Events SOA Administration	Email : Actionable Address [ggg@ggg.com     email : Reply To Address XXX@XXX.com     Common Properties     kation Configuration Properties	
	Security Administration	BPEL Properties BPMIN Properties Mediator Properties	
		Workflow Properties E32 Server Properties Cross References Taken 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





-Security Realms	Name 🗞	State	Health	Туре	Targets	Deployment Order
-Interoperability 	forade.wsm.console.core.view(1.0, 12. 1. 3.0)	Active		Library	AdminServer	311
low do I	orade.wsm.seedpolicies(2.0, 12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
Install an enterprise application     Configure an enterprise application	Ø OradeAppsAdapter	Active	≪ок	Resource Adapter	SOAServer	328
Update (redeploy) an enterprise application Start and stop a deployed enterprise	♂OradeBamAdapter	Installed		Resource Adapter		329
application  Monitor the modules of an enterprise application	CradeBPMBACServerApp	Active	🖋 ОК	Enterprise Application	SOAServer	384
Deploy EJB modules     Install a Web application		Active	🖋 ОК	Enterprise Application	SOAServer	382
system Status	CradeBPMProcessRolesApp	Active	🖋 ОК	Enterprise Application	SOAServer	381
Health of Running Servers		Active	🖋 ок	Enterprise Application	SOAServer	383
Failed (0) Critical (0)	orail8n-adf(11,11.1.1.0)	Active		Library	AdminServer, BAMServer, SOAServer	100
Overloaded (0) Warning (0)	💑owasp.esapi(2.0,12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
OK (2)	₩ SAPAdopter	Installed		Resource Adapter		335
	CompleApprovalTaskFlow	Active	🖋 ОК	Enterprise Application	SOAServer	386
	B Boo-infra	Active	🖋 ОК	Enterprise Application	SOAServer	350
	B Coso-webapps	Active	🖋 ОК	Enterprise Application	SOAServer	360
	ne soa.em	Active		Library	AdminServer	100
	SocketAdapter	Installed		Resource Adapter		326
	State-management-provider-memory-rar-12.1.3	Active	🖋 ОК	Resource Adapter	AdminServer, BAMServer, SOAServer	100
	UIX(11,12.1.3.0.0)	Active		Library	AdminServer, BAMServer, SOAServer	100

3. Click on SOA\_INFRA Application under deployments.

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

B2BInstanceMessageBean	 		
 	E		
B2BIntegratorBean	E		
B2BMetadataUtiltyBean	 E		
B2BStarterBeanWLS	 E	IB	
B2BUtilityBean	 E	IB	
BAMActionMDB	 E	IB	
BeamActionMDB	E	IB	
BottleneckDetectionBean	E	IB	
BPELActivityManagerBean	E	IB	
BPELAudit TrailBean	E	IB	
BPELCacheRegistryBean	E	IB	
BPELCacheStoreBean	E	IB	
BPELClusterBean	E	IB	
BPELDeliveryBean	E	IB	
BPELDispatcherBean	E	IB	
BPELEngineBean	E	IB	
BPELFind BPELEngineBean, Level 3, 22 of 106	E	IB	
BPELInstanceManagerBean	E	IB	
BPELKeyGeneratorBean	E	IB	
BPELProcessManagerBean	E	IB	
BPELSensorValuesBean	E	IB	
BPELServerManagerBean	E	IB	
BPELTestInstanceManager	E	IB	
BpmAGProcessBrokerServiceBean	E	IB	
BpmAppServiceBean	E	IB	
BPMDataObjectSecurityService	E	IB	
BPMNActivityManagerBean	E	IB	
BPMNAuditTraiBean	E	IB	
BPMNClusterBean	E	IB	



	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	Transaction Type:	Container	The bean's transaction type. More Info
Security Realms	EJB Class Name:	com.collaxa.cube.engine.ejb.impl.bpel.BPELEngineBean	EJB Class Name More Info
	- Pool Configuration		
r do I   onfigure Version 2.X EJBs	Initial Beans in Free Pool:	100	The initial number of beans in the free pool. More Info
/iew deployment status of EJBs	Max Beans in Free Pool:	1000	The maximum number of beans in the free pool. When an EJB has been in
Set EJB target servers and clusters Update (redeploy) EJBs Stop EJBs			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
stem 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
alth of Running Servers	- Enterprise Bean Configuratio	n	
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 elbRemove 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		
ebLogic 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	
BPELAuditTraiBean	EJB	
BPELCacheRegistryBean	EJB	
BPELCacheStoreBean	EJB	
BPELClusterBean	EJB	
BPELDeliveryBean	EJB	
BPELDspatch BPELDeliveryBean, Level 3, 20 of 106	EJB	
BPELEngineBean	EJB	
BPELFinderBean	EJB	
BPELInstanceManagerBean	EJB	
BPELKeyGeneratorBean	EJB	
BPELProcessManagerBean	EJB	
BPELSensorValuesBean	EJB	
BPELServerManagerBean	EJB	
BPELTestInstanceManager	EJB	
BpmAGProcessBrokerServiceBean	EJB	
BpmAppServiceBean	EJB	
BPMDataObjectSecurityService	EJB	
BPMNActivityManagerBean	EJB	
BPMNAuditTrailBean	EJB	
BPMNClusterBean	EJB	
BPMNDelveryBean	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.BPELDelveryBean	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 the field, idle beans are removed from the free pool. More Info
• Stop EIBs 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)	Network Access Point:		Custom network channel that the EJB uses for network communications. More Info
Overloaded (0) Warning (0) OK (4)	Run As Principal Name:		The security principal to be used as the run-as principal for a bean that has security-identity specified in its ejb-jar.xml file. More Info
	Create As Principal Name:		The principal to be used when ejbCreate would otherwise run with an anonymous principal. More Info
	Remove As Principal Name:		The principal to be used when ejbRemove would otherwise run with an anonymous principal. More Info
	Passivate As Principal Name:		The principal to be used when ejbPassivate would otherwise run with an anonymous principal. More Info
	JNDI Name:		The JNDI name of an EJB, resource, or reference in WebLogic Server. More Info
	Local JNDI Name:		The JNDI name for a bean's local Home. More Info
	🔊 Dispatch Policy:		Designates which server execute thread pool the EJB should run in. More Info
	Transaction Timeout:	1800	The transaction timeout value, in seconds. More Info
	Save		

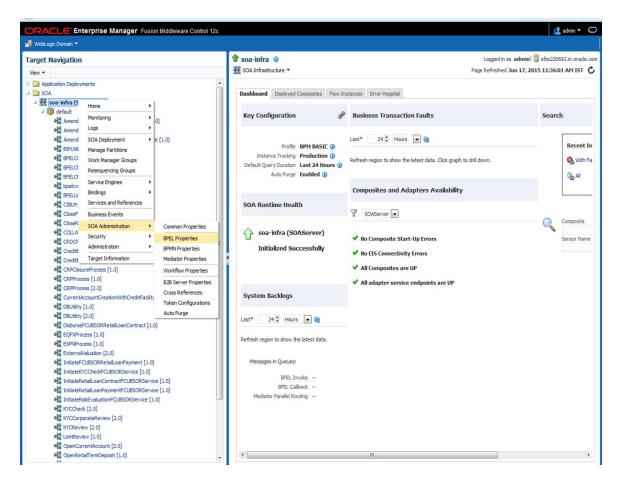
- 6. Login in to Console  $\rightarrow$  JTA
- Set the JTA timeout According to the below condition. Make sure BPELEngineBean + BPELDeliveryBean is <= JTA timeout(300+300<=600)</li>



ORACLE WebLogic Server	Administration Console 12c		
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: dev
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 yo modify, add or delete items in this domain.		Neb Service Security Notes	
Domain Structure	General JTA JPA EJBs Web Applications L	ogging Log Filters	
dev_domain	Save		
Deployments			
- Services	Use this page to define the Java Transaction API (JTA	) configuration of this WebLogic Serve	r domain.
Security Realms			
Diagnostics	Timeout Seconds:	3600	Specifies the maximum amount of time, in seconds, an activ
			transaction is allowed to be in the first phase of a two-phase commit transaction. If the specified amount of time expires,
			transaction is automatically rolled back. More Info
	Abandon Timeout Seconds:	[	Specifies the maximum amount of time, in seconds, a
	Abandon fineout seconds.	86400	transaction manager persists in attempting to complete the
			second phase of a two-phase commit transaction. More In
How do I	Before Completion Iteration Limit:	10	The maximum number of cycles that the transaction manag
now do all	-	10	performs the beforeCompletion synchronization callback for 1 WebLogic Server domain. More Info
<ul> <li>Configure domain JTA options</li> </ul>			WebLogic Server domain. More Info
Configure advanced domain JTA options	Max Transactions:	10000	The maximum number of simultaneous in-progress transaction
			allowed on a server in this WebLogic Server domain. More
-,	Max Unique Name Statistics:	1000	The maximum number of unique transaction names for whic
Health of Running Servers		1000	statistics are maintained. More Info
Failed (0)	Checkpoint Interval Seconds:		The interval at which the transaction manager creates a new
Critical (0)	checkpoint interval seconds.	300	transaction log file and checks all old transaction log files to s
Overloaded (0)			they are ready to be deleted. More Info
Warning (0) OK (4)	Write recovery logs when determiners configur	red	Indicates two-phase transaction recovery logs are written ev
OK (4)			if one or more determiners are configured. More Info
	Determiners:		Specifies a list of one or more transaction resources
			(determiners) separated by line breaks. A determiner's in-do
			transaction records are used during transaction recovery wh TLog is not present. More Info
			-
	✓ Forget Heuristics		Specifies whether the transaction manager automatically
	m rorget neuristics		performs an XA Resource forget operation for heuristic



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





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Te Changes ▼ Recording ▼	🗮 SOA Infrastructure 🔻	😤 SOA Infrastructure 👻 Page Refreshed Jun 17, 2015 11:37:36 AM IST		
arget Navigation	System MBean Browser			
iew •		Application Defined MBeans: BPELConfig:bpel     Apply Re		
		ins bi Leoningibpei		
Application Deployments	<ul> <li>Information</li> </ul>			
SOA ✓ 器 soa-infra (SOAServer)	The changes made on this m from the Change Center.	bean are not managed by the configuration session. The changes will be applied in	mediately	. You cannot undo the chang
A God default	-			
에냅 AmendECUBSORNFRetailLoanContract [1.0]	Show MBean Information			
AmendFCUBSORRetailLoanContract [1.0]	Attributes Operations Noti	fications		
Amendrecobsoccetaicoancontract [1.0]	Name	Description	Access	Value
BIPUtility [1.0]	E1 Carges o cameric miconola	a separate location from the rest of the instance scope data		100000
BPELCOLLATProcess [1.0]		specify the number of invoke messages that can be kept in the		
BPELCRPClosureProcess [1.0]	22 Maximumbhumbar Officialist	in-memory cache, once the engine hits this limit, it would push the essagesIr message to dispatcher in-memory cache, instead it would save the	RW	100000
BPELCRPProcess [1.0]	22 MaximumivumberOfinvokem	message in the db and these saved messages can be recovered using	RW	100000
bpelcynprocess [1.0]		recovery job, you can use value -1 to disable		
BPELLimitReview [1.0]	23 MaxRecoverAttempt	This value specifies the maximum number of times an invoke or callback	RW	2
G CIBLProcess [1.0]	23 Maxiecover Attempt	or activity will be recovered	R.VV	2
CloseFCUBSORRetailLoanContract [1.0]	= 24 MinBPELWait	The minimum time duration for BPEL to do a real wait that involves a dehvdration	RW	2
CloseRetailLoanContractFCUBSORService [1.0]	25 objectName	The MBean's unique JMX name	R	oracle.as.soainfra.config:
COLLATProcess [1.0]	26 OneWayDeliveryPolicy	Changes whether the one-way invocation messages are delivered	RW	asvnc.persist
CRDCProcess [1.0]	26 OnewayDeliveryPolicy	flag to enable or disable coherence cache for bpel service engine. use	RW	async.persist
CreditBureauBPEL [1.0]	27 QualityOfService	Tag to enable or disable concrete cache for oper service engine. Use CacheEnabled for enabling coherence.	RW	DirectWrite
CreditBureauHandler [1.0]		flag to enable or disable coherence cache for boal service engine when		(* ·
CRPClosureProcess [1.0]	28 QualityOfServiceAuditStore	PolicyUse[ auditStorePolicy is set to async	RW	false
CRPProcess [1.0]	29 QualityOfServiceOneWayDe	liveryDoli flag to enable or disable coherence cache for bpel service engine when	RW	false
CRPProcess [2.0]		onewayDeliveryPolicy is set to async		
CurrentAccountCreationWithCreditFacility [1.0]	30 ReadOnly	If true, it indicates that this MBean is a read only MBean.	R	false
DBUtility [1.0]	31 RecoveryConfig	Recovery Configuration	RW	javax.management.openr
BUtility [2.0]	32 RecurringMaxMessageRaise		RW	50
DisburseFCUBSORRetailLoanContract [1.0]	33 RestartNeeded	Indicates whether a restart is needed.	R	false
EQFXProcess [1.0]	34 SpecCompliance	Sets how the implementation is compliant to the spec	RW	suggest
EXPNProcess [1.0]	35 StartupMaxMessageRaiseSiz	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
Page InitiateFCUBSORRetailLoanPayment [1.0]	37 SyncMaxWaitTime	The maximum time a request/response operation will take before it	RW	45
Ⅰ InitiateKYCCheckFCUBSORService [1.0]		times out. The default value is <u>45 seconds</u>		
ห	38 SystemMBean	If true, it indicates that this MBean is a System MBean.	R	false
InitiateRetailLoanPaymentFCUBSORService [1.0]	39 ValidateXML	If set to "true" the engine will apply schema validation for incoming and outgoing xml documents. The default value "false".	RW	false
P	40 Version	version of the config file	R	11.1.0
How KYCCheck [2.0]	41 Visible	If true, it indicates that this MBean is visible to current user.	R	true
KYCCorporateReview [2.0]	<	III		

# 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.



## 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.





Setting up Plug - Ins [May] [2017] Version 12.4.0.0.0

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