Setting up Plug-Ins Oracle Banking Corporate Lending Release 14.6.0.0.0 [May] [2022]



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1. Setting Up Plug-Ins

1.1 Introduction

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

1.2 Integrating Oracle FLEXCUBE UBS and BPEL

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

1.2.1 Custom Provider Configuration

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

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

	dministration Console 12c		Q
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security Realms		
Configuration editing is enabled. Future	Home Page		
changes will automatically be activated as you modify, add or delete items in this domain.	- Information and Resources		
Domain Structure	Helpful Tools	General Information	
Dev 120 1_domain	 Configure applications 	 Common Administration Task Descriptions 	
Environment Deployments	 Configure GridLink for RAC Data Source 	 Read the documentation 	
Services	Configure a Dynamic Cluster Recent Task Status	 Ask a question on My Oracle Support 	
Security Realms	Set your console preferences		
	Orade Enterprise Manager		
	— Domain Configurations		
	Domain	Services	Interoperability
	Domain	Messaging	WTC Servers
		 JMS Servers 	Jolt Connection Pools
How do L	Environment	 Store-and-Forward Agents 	
	Servers	 JMS Modules 	Diagnostics
Search the configuration	Clusters	Path Services Didee	Log Files
Use the Change Center	 Server Templates 	 Bridges 	Diagnostic Modules
Record WLST Scripts	 Migratable Targets 	Data Sources	Built-in Diagnostic Modules
Change Console preferences Manage Console extensions	Coherence Clusters	Persistent Stores	Diagnostic Images
Monitor servers	Machines	XML Registries XML Entity Caches	Request Performance
Monitor servers	Virtual Hosts	Foreign JNDI Providers	Archives
System Status	Work Managers	Work Contexts	Context
	Startup And Shutdown Classes	iCOM	SNMP
Health of Running Servers		Mail Sessions	
Failed (0)	Your Deployed Resources	Fiel3	Charts and Graphs
Critical (0)	Deployments	• JTA	Monitoring Dashboard
Overloaded (0)		OSGi Frameworks	
Warning (0)	Your Application's Security Settings		
OK (3)	Security Realms		
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. /	All sinkle assessed		
	ui rignis reserved. on and/or its affiliates. Other names may be trademarks of their respe	active owners.	

5. Click on myrealm.



	dministration Console 12c		Q
Change Center	🏠 Home Log Out Preferences 🖂 Record Help	٩	Welcome, weblogic Connected to: Dev1201_domain
View changes and restarts	Home >Summary of Security Realms		
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or detet items in this doman. Devial J. doman B-Environment H-Deployments B-Services H-Services H-Services H-Intergenerability B-Diagnostics	security realms in a WebLogic Server domain, but o	only one can be set as the de	Showing 1 to 1 of 1 Previous Next
	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			
Health of Running Servers			
Paled (0) Critical (0) Overloaded (0) Warning (0) OK (3)			
Copyright (c) 1996,2014, Oracle and/or its affiliates. A			

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

Settings for myrealm - so ×	Oracle Software Delivery × 💘 😹 10.184.132.64:8080/dditc × V 🍂 E	BUG × V SearchSoftware ×	÷ _ 0 X
← → C ① 10.184.132.228:80)1/console/console.portal?_nfpb=true&_pageLabel=Realmprovi	dersTabPage&handle=com.bea.console.handles.SecurityMBeanHandle%28"Secu	rity%3A 🍳 🛧 💩 🔲 🗄
	inistration Console 12c		Q
Change Center	🔒 Home Log Out Preferences 🔛 Record Help	Welcome,	weblogic Connected to: soa_server_bpel
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Settings for myrealm Configuration Users and Groups Roles and Policies Credential Mappings	oviders Ngration	
Lock & Edit Release Configuration	Authentication Password Validation Authorization Adjudication Role Mag	sping Auditing Credential Mapping Certification Path	
Domain Structure sa_server_bpel #-Domain Partbons #-Deployments Deployments #-Services Securb Realms #-Interoperability	An Authentication provider allows Weld.ogc Server to establish trust by validation a Different types of Authentication providers are designed to access different data stor Costomize this table Authentication Providers	user. You must have one Authentication provider in a security realm, and you can configure multiple Authenticat es, such as LDAP servers or DBHS.	on providers in a security realm.
Diagnostics	Name	Description	Version
	FCJCustomProvider	Authentication provider for FLEXCUBE users	FCUBS 12.2
	Trust Service Identity Asserter	Trust Service Identity Assertion Provider	1.0
	DefaultAuthenticator	WebLogic Authentication Provider	1.0
	DefaultIdentityAsserter	WebLogic Identity Assertion provider	1.0
How do I Configure authentication and identify assertion providers Configure the Pasaword Validation provider Manage security providers Set the JAAS control flag Re-order authentication providers	New Delete Reorder		Showing 1 to 4 of 4 Previous Next
System Status			
Health of Running Servers as of 6:37 AM			
Failed (0) Critical (0) Overloaded (0) Warning (0) ОК (2)			
WebLogic Server Version: 12.2.1.2.0 Copyright (c) 1996,2016, Oracle and/or Its affiliates. Al Oracle is a registered trademark of Oracle Corporation	I rights reserved. and/or its affiliates. Other names may be trademarks of their respective owners.		



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

ORACLE WebLogic Server A	dministration Console 12c	ŏ								
Change Center	🔒 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: Dev1201_domain								
View changes and restarts	Home >Summary of Security Realms >myrealm >Providers >FC3CustomProvider >Providers									
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Authentication Provider OK Cencel									
Domain Structure	Create a new Authentication Provider									
Dev 120 1_domain • Environment · Deployments • Services	The following properties will be used to identify your new Authentication Provider. * Indicates required fields									
Security Realms @-Interoperability @-Diagnostics	The name of the authentication provider. * Name: FCJCustomProvider									
	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)										

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

WebLogic Server Ad	ministration Consoli	e 120								l	\sim
Change Center	Home Log Out	Preferences 🔤 R	ecord Help	G				١	Velcome, weblog	gic Connected to: Dev1201	L_domair
View changes and restarts	Home >Summary o Messages	of Security Realms >my	realm >Providers >F	CJCustomProvider	Providers						
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create operation canceled - no Authentication Providers created.										
Domain Structure	Settings for myre	alm									
	Configuration U	Isers and Groups	Roles and Policies	Credential Mappir	gs Providers	Migrati	ion				
Dev1201_domain Tenvironment Deployments Deployments	Authentication	Password Validation	Authorization	Adjudication	Role Mapping	Auditing	Credential Mapping	Certification Path	Keystores		
Security Realms An Authentication provider allows Webi ogic Server to establish that by validating a user. You must have an Authentication provider in a security realm, and you can core providers in a security realm. There is a security realm, and you can core providers in a security realm. There is a security realm, and you can core providers in a security realm. There is a security realm and you can core providers in a security realm. There is a security realm and you can core providers in a security realm. There is a security realm and you can core providers in a security realm. There is a security realm and you can core providers in a security realm and you to work with users and groups from previous releases of WebLogic Server. Customize this table Authentication providers New Determine Reader in Security Read											
How do I	New Delete	Reorder			Description				5	Version	THEAT
Configure Authentication and Identity Assertion providers	FCJCustom	Provider			uthentication pro	vider for F	LEXCUBE users			FCUBS 12.1	
Configure the Password Validation provider	Trust Servic	e Identity Asserter		1	rust Service Ider	tity Assert	tion Provider			1.0	
Manage security providers	DefaultAuthenticator				WebLogic Authentication Provider				1.0		
Set the JAAS control flag	DefaultidentityAsserter WebLogic Identity Assertion provider					1.0					
Re-order Authentication providers	New Delete	Reorder							s	howing 1 to 4 of 4 Previous	Next
System Status											
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Overloaded (0) Warning (0)											
OK (3)											
WebLogic Server Version: 12.1.3.0.0											
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al	I rights reserved.										



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

9. Click on FCJCustomProvider.

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

	Administration Console 12c		Ŏ					
Change Center	Home Log Out Prefere	nces 🔤 Record Help	Welcome, weblogic Connected to: Dev1201_domain					
View changes and restarts	Home >Summary of Security	v Realms >myrealm >Providers >FCJCustomProvider >Providers >FCJCustomProvider						
Configuration editing is enabled. Future	Settings for FCJCustomPr	Settings for FCICustomProvider						
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration							
Domain Structure	Common Provider Spec	dific						
Dev 120 1_domain	Save							
Deployments Services	This page allows you to de	efine the general configuration of this provider.						
Security Realms Interoperability	👸 Name:	FCJCustomProvider						
⊞-Diagnostics	ignerighted by the secret term of	Authentication provider for FLEXCUBE users						
	🥌 Version:	FCUBS 12.1						
	🏀 Control Flag:	SUFFICIENT						
How do I	Save							
No task help found.								
System Status	i.							
Health of Running Servers								
Failed (0)								
Critical (0)								
Overloaded (0) Warning (0)								
OK (3)								
]							
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- 11. In Provider Specific tab

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



	dministration Console 12c		Q						
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	٩	Welcome, weblogic Connected to: Dev1201_domain						
View changes and restarts	Home >Summary of Security Realms >myrealm >Provide	rs >FCJCustomProvider >Providers >FCJCustomProvider							
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	utomatically be activated as you								
Domain Structure	Comparation Provider Specific								
Dev1201_domain +Environment -Deployments +Services	Save This page allows you to configure additional attribute	es for this security provider.							
Security Realms ⊕-Interoperability ⊕-Diagnostics	C de Ldap SSLEnabled	MSAD 💌							
	🏀 Ldap Domain Name:	OFSS.COM							
	Security Authentication Type:	simple 💌							
How do I	近 Ldap Server Ip And Port:	localhost389							
No task help found.	🗐 🏀 External Password Required								
System Status Health of Running Servers	🚓 Ldap Server Time Out Duration:	0							
Failed (0)	🗐 近 Msad Or Ldap Login Required								
Critical (0) Overloaded (0) Warning (0)	🏀 JNDIName:	jdbc/fcjdevDS							
OK (3)	Save								
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. A	ll rights reserved. n and/or its affiliates. Other names may be trademarks of their or								

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

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

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

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

<n1:Idap-server-ip-and-port>LDAP://localhost:389</n1:Idap-server-ip-and-port><n1:Idap-ssl-enabled>true</n1:Idap-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 UBS EAR file, the Installer creates 'FCJJPSProvider.jar' file inside the BPELbuild folder under SOURCE directory.
- 2. On the application server host, create a folder by name 'classes' at the location '<MIDDLEWARE HOME>soa\soa\modules\oracle.soa.ext 11.1.x'.
- 3. Extract the file 'FCJJPSProvider.jar' and from the extracted content, copy the folder 'com' to: '<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x\classes'.



4. Navigate to the location

'<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x\classes\com\ofss\fcc\bpel\ cac'. Edit the properties file 'CISProperties.properties' and update 'JNDI.name' with the JNDI name same as Entity Name given in Multi Entity Names screen while creating property file 'fcubs.properties', e.g. 'jdbc/fcjdevDS'.

- Copy 'FCJJPSProvider.jar' to '<MIDDLEWARE_HOME>/user_projects/domains/<domain_name>/config/fmwconfig/ovd/plu gins/lib.Create the directory structure if it does not exists.



fcubs_adapter.xml

- 7. Search for param name="DataSource" in fcubs_adapter.xml and update its value with FCUBS Datasource name, e.g. updated parameter would look like <param_name="DataSource" value="jdbc/fcjdevDS"/>.
- 8. Set environment variables in the command prompt, e.g. for linux shell,

export ORACLE_HOME=/scratch/app/bpm12212(setting ORACLE_HOME) export WL_HOME=/scratch/app/bpm12212/wlserver(setting WL_HOME) export JAVA_HOME=/scratch/work_area/DBA/jdk1.8.0_144 (setting JAVA_HOME)

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

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

10. Once the above steps are completed, i.e. "Adapter created successfully: fcubsAdapter" message is displayed, restart the server.

1.2.3 Configuring libovd for MultiEntity

- 1. Continue step 1 to step5 from 1.2.2 section.
- 2. In the following steps replace the <EntityId> tag with the proper Entity name.
- Copy the fcubs_adapter_<EntityId>.xml to '<MIDDLEWARE_HOME>/oracle_common/modules/oracle.ovd/templates/

1	8	8	8	Þ	i.
	-			1	1

fcubs_adapter_ EntityId.xml



4. Search for <FCUBSDATASOURCE> in fcubs_adapter_< EntityId>.xml and update it with fcubs Datasource with the mapped Datasource for the entity in the property file.

Ex:<param name="DataSource" value="<FCUBSDATASOURCE>"/>

5. Search for UserIdPattern Parameter and Update the value for OU to the entity name in lower case.

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

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

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

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

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

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

EX : ou= EntityId

9. Execute "libovdadapterconfig" script which is present in

'<MIDDLEWARE_HOME>/oracle_common/bin' with below parameters. Update the admin server host name or ip ,admin server port ,weblogic user id, domain home ,root and fcubs datasource

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

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

Note:- for any misconfiguration in libovd

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

For deleting fcubsAdapter use the below command:

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

Connect to your Administration Server using the following syntax:

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

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

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



Note the following:

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

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

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

1.2.4 Configuring for Multiple Providers for Multiple Entities

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

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

3. Click on myrealms.



	dministration Console 12c			Ċ
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Conne	ected to: soa_doma
View changes and restarts	Home >Summary of Servers >Summary of Security Real	ms >myrealm >Providers >FCUBS >Summary of Secu	ity Realms >myrealm >Summary of Security Realms >myrealm > Summary of Secu	rity Realms
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Summary of Security Realms A security realm is a container for the mechanismsir	ncluding users, groups, security roles, security poli	ies, and security providersthat are used to protect WebLogic resources. You	can have multiple
Domain Structure	active security realms in a WebLogic Server domain,	but only one can be set as the default security real	m, which is reserved for domain administrative purposes.	
soa_domain -Domain Partitions Environment Deployments	This Security Realms page lists each security realm the security realm	at has been configured in this WebLogic Server do	main. Click the name of the realm to explore and configure that realm.	
Services				
Security Realms	Realms (Filtered - More Columns Exist)			
	New Delete		Showing 1 to 1 of	1 Previous Next
	🗐 Name 🏟	Default Realm		
	myrealm	true		
	New Delete		Showing 1 to 1 of	1 Previous Next
How do I 🛛				
Configure new security realms				
Enable automatic realm restart				
Delete security realms				
Change the default security realm				
System Status				
Health of Running Servers				
Faled (0) Critcal (0) Overloaded (0) Warning (0) OK (3)				
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. A Oracle is a registered trademark of Oracle Corporatio	All rights reserved. on and/or its affiliates. Other names may be trademarks of their re	espective owners.		

4. Click on Providers.

ORACLE WebLogic Server Ad	ministration Console 12c				9						
Change Center	🏠 Home Log Out Preferences 🔤 Record	Help		We	come, weblogic Connected to: soa_don						
View changes and restarts	Home >Summary of Security Realms >myrealm :	>Providers >FCUBS >Summary of Security Real	lms >myrealm >Summary of Secu	urity Realms >myrealm >Summary of S	Security Realms > myrealm						
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	s and Policies Credential Mappings Prov	iders Migration								
Domain Structure	General RDBMS Security Store User Lo	ockout Performance	Providers- Tab								
soa_domain Domain Partitions Environment Deployments	Save										
B Service Service Pservice Pinteroperability B Diagnostics		vior of this security realm. ng JACC (Java Authorization Contract for Co ions for Web applications and EJBs in the Adm			model. Other WebLogic Server models are						
	Name:	myrealm		The name of this security realm.	More Info						
	Ecurity Model Default:	DD Only	•	Specifies the default security mod secured by this security realm. Yo deployment. More Info	el for Web applications or EJBs that are u can override this default during						
How do L • Configure new security realms • Enable automatic realm restart	😨 🚓 Combined Role Mapping Enabled			application, and EJB containers int	in the Enterprise Application, Web eract. This setting is valid only for Web Advanced security model and that initialize . More Info						
Manage security for Web applications and E3Bs Set the default security model	🗍 🕂 Use Authorization Providers to P	Protect JMX Access		Configures the WebLogic Server MBean servers to use the security realm's Authorization providers to determine whether a JMK dient has permission to access an MBean attribute or invoke an MBean operation. More Info							
Delegate MBean authorization to the realm System Status	Automatically Restart After Non-Dy	namic Changes		Specifies whether the Realm will b are made to the realm or providen	e auto-restarted if non-dynamic changes s within the realm. More Info						
Health of Running Servers	Retire Timeout:	60			ealm that is restarted. The old realm will be out period has elapsed. More Info						
Faled (0) Critical (0) Orefoaded (0) Warring (0) Ock (3) Ock (3)	- V Advanced										
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation		of their respective owners,									

5. Click on New



hange Center	🔒 Home Log Out Preferences 🔤 Record Help								Welcome, weblog	jic Connected to: soa_don	
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Configuration editing is enabled. Future	Settings for myrealm										
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration	Configuration Users and Groups Roles and Policies Credential Mappings Providers Migration									
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	🔲 Name			I	Description					Version	
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low do I 🗉	Trust Serv	ice Identity Asserter		1	frust Service Ide	ntity Asserti		1.0			
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Manage security providers Set the JAAS control flag											
Re-order Authentication providers											
	1										
iystem Status 🛛											
lealth of Running Servers											
Failed (0) Critical (0) Overloaded (0) Warning (0)											

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

-		
Change Center	🔒 Home. Log Out. Preferences 🔤 Record. Help	Welcome, weblogic Connected to: soa_don
View changes and restarts	Home >FCUBS >Summary of Security Realms >mynealm >Summary of Security Realms >mynealm >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.	Create a New Authentication Provider	
Domain Structure	Create a new Authentication Provider	
soa_domain Domain Partitions Environment Deployments	The following properties will be used to identify your new Authentication Provider. * Indicates required fields	
Services Security Realms	The name of the authentication provider.	
⊕-Interoperability ⊕-Diagnostics	"Name: ENTITYID	
	This is the type of authentication provider you wish to create.	
	Type: FCUBSUserAuthenticator	
How do L	0K Canoel	
Manage security providers		
Configure Authentication and Identity Assertion providers		
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WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. /	1 Jaka mond	

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



Change Center	🏦 Home Log Out Preferences 🗟 Record Help 📃 🔍 🦉 Welcome, weblogic Connected to: soa_dom
View changes and restarts	Home >FCUBS >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Reorder Authentication Providers OK Cancel
Domain Structure	Reorder Authentication Providers
soa_domain ₱°Domain Partitions ₱°Environment	You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter the authentication sequence.
I [→] Deployments	Contraction Providers: Available: Image: Contraction Providers: Available: Image: Contraction Providers: Default/Authenticator Image: Default/Authentic
How do I 🖂	
Re-order Authentication providers Set the JAAS control flag	OK Cancel
System Status 🗉	
Health of Running Servers	
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8. Click the Provider that we have created.

hange Center	Home Log O	ut Preferences 🔤	Record Help		٩				Welcome, weblogic Connected	d to: soa_dor	
fiew changes and restarts	Home >myrealm	>Summary of Security	Realms >myrealm >S	immary of Security I	Realms >myrealm :	Providers >	ENTITYID >Providers	>ENTITYID > Provide	rs		
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a_domah 2*Domain Partitions 2*Environment **Deployments 3*Services **Security Realms **Interoperability * Diagnostics	An Authenticat providers in a s Customize th Authentication	ecurity realm. Differe iis table n Providers	ebLogic Server to esi nt types of Authentii	ablish trust by valia ation providers are	dating a user. You designed to acc	ı must have ess differen	one Authentication ; t data stores, such a	provider in a security r s LDAP servers or DBM	ealm, and you can configure multiple A S. Showing 1 to 5 of 5 P		
	Name Description							Version	revious nex		
	ENTITYID			1	uthentication pro	vider for FL	EXCUBE users		FCUBS 12.2		
ow do I 🗉	FCUBS			4	Authentication provider for FLEXCUBE users FCUBS 12.2						
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Assertion providers	📃 DefaultAu	V	WebLogic Authentication Provider 1.0								
Configure the Password Validation provider	📃 DefaultId	entityAsserter		V	WebLogic Identity Assertion provider 1.0						
Manage security providers Set the JAAS control flag	New Del	Reorder							Showing 1 to 5 of 5 P	revious Next	
Re-order Authentication providers											
ystem Status 🛛 🖂 ealth of Running Servers											
Failed (0)											

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



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Change Center	lome Log Out Preferences	Record Help	Welcome, weblogic Connected to: soa_d						
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soa_domain 🕀 Domain Partitions	Save								
Environment Deployments	This page allows you to define	he general configuration of this provider.							
Services Security Realms	🚱 Name:	ENTITYID							
⊕-Interoperability ⊕-Diagnostics	Description:	Authentication provider for FLEXCUBE users							
	🔁 Version:	FCUBS 12.2							
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OK (3)									
WebLogic Server Version: 12.2.1.0.0 Copyright (c) 1996,2015, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation		e trademarks of their respective owners.							

10. Select the provider specific tab .

hange Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: soa_dom
iew changes and restarts	Home >Summary of Security Realms >myrealm >Summary	of Security Realms >myrealm >Providers >ENTITYID >Provider	s >ENTITYID >Providers >ENTITYID
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odify, add or delete items in this domain.	Configuration		
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a_domain 3-Domain Partitions	Save		
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B-Diagnostics	修] JNDIName:	jdbc/fcjdevDS	
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ow do I	🗉 🔲 🙀 Multi Entity Enabled		
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vstem Status	Security Authentication Type:	simple 💌	
ealth of Running Servers	🕂 Entity Id:	ENT1	
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Warning (0) OK (3)	🗐 🕂 Ldap SSLEnabled		
	🔲 👸 Msad Or Ldap Login Required		
	Authentication Type:	MSAD 💌	
	Save		

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



hange Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: soa_do						
iew changes and restarts	Home >Summary of Security Realms >mymalm >Summary of Security Realms >mymalm >Providers >ENTITYID >Providers >ENTITYID >Providers >ENTITYID								
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w do L.	🖥 🖉 👘 Nulti Entity Enabled								
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	📕 👘 Msad Or Ldap Login Required	🖉 👸 Msad Or Ldap Login Required							
	Authentication Type:	MSAD 💌							
	Save								

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

Wew changes and restarts Home 3 Summary of Security Realms > Myrealm > Soumary of Security Realms > Myrealm > Myre	ģ			tion Console 12c	LE WebLogic Server Administrat	ORACLE			
Configuration (Start) Settings for ENTTYID Configuration (Start) Settings for ENTTYID Domain Structure Gommon Provider Specific sog.domain Common Provider Specific Settings for ENTTYID Settings for ENTTYID Common Provider Specific Sove Pervices Sove Pervices This page alons you to configure additional attributes for this security provider. IP - Deployments Is and Port: IP - Interoper-bility Is and Port: IP - Diagnostics JIDIName: Ig External Password Required Is and Port:	ted to: soa_dom	Welcome, weblogic Connected to: s	Q	ome Log Out Preferences 🔤 Record Help	enter 🔒 ho	Change Center			
drage will autoristically be schwider dar you modify, add or delete items in this domain. Configuration Domain Structure sea domain Partitions @ Definition for this security provider. Common Provider Specific Save Save P convincents This page allows you to configure additional attributes for this security provider. Image: Security Realms Image allows you to configure additional attributes for this security provider. Image: Security Realms Image allows you to configure additional attributes for this security provider. Image: Security Realms Image allows you to configure additional attributes for this security provider. Image: Security Realms Image allows you to configure additional attributes for this security provider. Image: Security Realms Image allows you to configure additional attributes for this security provider. Image: Security Realms Image allows you to configure additional attributes for this security provider. Image: Security Realms Image allows you to configure additional attributes for this security provider. Image: Security Realms Image allows you to configure additional attributes for this security provider. Image: Security Realms Image allows you to configure additional attributes for this security provider. Image: Security Realms Image allows you to configure additional attributes for this security provider.		>ENTITYID >Providers >ENTITYID >Providers >ENTITYID	ary of Security Realms >myrealm >Providers >ENT	e >Summary of Security Realms >myrealm >Summ	ges and restarts Home	View changes an			
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- Security Realms - Diagnostics - Coalhost 389 - Diagnostics			es for this security provider.	page allows you to configure additional attribut		Deployments Services Security Realms Interoperability			
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- 13. Create the new datasource for each entity with the JNDI name which we mapped in the property file.
- 14. Restart the Admin server
- 15. Continue the step1 to step15 for each provider creation in multientity scenario.



1.2.5 Configuring DBAdapter

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

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

hange Center	(în 1	Home L	.og Out Preferences 🔤 Record Help	Q			v	/elcome, weblogic Co	onnected to: Dev1201_dom		
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v1201_domain Environment Deployments Services	(re	deploy	an application or module for deployment	cting the application name and using t	he controls on this pag		istalleu application	is and moucles can be si	arteo, stoppeo, opoateo		
Security Realms Interoperability Diagnostics	₽ Ci	istomi	ze this table								
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		nstall	Update Delete Start v Stop	~				Showing 1	to 47 of 47 Previous Next		
	E	Nan	ne 🕎		State	Health	Туре	Targets	Deployment Order		
		1 øʻ	AqAdapter		Active	🖋 ок	Resource Adapter	soa_server1	324		
ow do I Instal an enterprise application	E] E	_b2bui		Active	🖋 ок	Enterprise Application	soa_server1	313		
Configure an enterprise application Update (redeploy) an enterprise application) E	BamComposer		New		Enterprise	bam_server1	500		
Start and stop a deployed enterprise application	E) H	=				Enterprise Application	bam_server1	300		
Monitor the modules of an enterprise application	E) H	BamServer		New		Enterprise Application	bam_server1	400		
Deploy EJB modules Install a Web application	E) E	BPMComposer		Active	🖉 ок	Enterprise Application	soa_server1	385		
ystem Status 🖂		1 👼	oherence-transaction-rar		Active	🖋 ок	Resource Adapter	AdminServer, bam_server1, soa_serv	ver1 100		
ealth of Running Servers	E] ø	CoherenceAdapter		Installed		Resource Adapter		331		
Failed (0) Critical (0)	E	1 🚳	DbAdapter		Active	🖋 ок	Resource Adapter	soa_server1	322		
Overloaded (0) Warning (0)	E] # [DefaultToDoTaskFlow		Active	🖋 ок	Enterprise Application	soa_server1	314		
OK (2)		j # (DMS Application (12.1.3.0.0)		Active	🖋 ок	Web Application	AdminServer, bam_server1, soa_serv	ver1 5		
	E) ± (-Dem		Active	🖋 ок	Enterprise Application	AdminServer	400		
	E		FCUBSApp (12.1.0.0)		Prepared	🖋 ок	Enterprise	soa server1	500		

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

WebLogic Server Ad	dministration Cons			1							Õ
Change Center	Home Log O	ut Preferences	Necord Help			Q				Welcome, w	eblogic Connected to: Dev1201_domai
View changes and restarts	Home >Summary	Home >Summary of Deployments >DbAdapter									
Configuration editing is enabled. Future	Settings for DbAdapter										
changes will automatically be activated as you modify, add or delete items in this domain.	Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes										
Domain Structure	General Prop	oerties Outbo	und Connection	Pools	Admin Object	s Workk	oad Ins	trumentation			
Dev 120 _domain Θ =Environment Θ =Deployments Θ -Services Θ -Interoperability Θ -Interoperability Θ -Diagnostics	by connection f Pool group. Clic	factory interface ck the name of a	and the instances	s are listed to configu	by their JNDI	names. Ex	pand a gro	oup to obtain (configurat	entries in the table represent Outbound C ion information for a Connection Pool insta played in the table below.	
	New Dele	ete									Showing 1 to 1 of 1 Previous Next
	Groups	and Instances	~						Connect	on Factory Interface	
	🗉 javax.	.resource.cci.Con	nectionFactory					j	avax.res	urce.cci.ConnectionFactory	
	New Del	ete									Showing 1 to 1 of 1 Previous Next
How do I											
Configure outbound connection pool properties											
System Status											
Health of Running Servers											
Faled (0) Critical (0) Overloaded (0) Warning (0)											

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



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

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

- 7. Click 'DbAdapter' again. Click 'Configuration' tab and select 'Outbound Connection Pools'
- 8. Under 'Groups and Instances', click and expand 'javax.resource.cci.ConnectionFactory'.
- 9. The new JNDI name is listed.
- 10. Click on the hyperlink 'eis/DB/FCCDEV'.

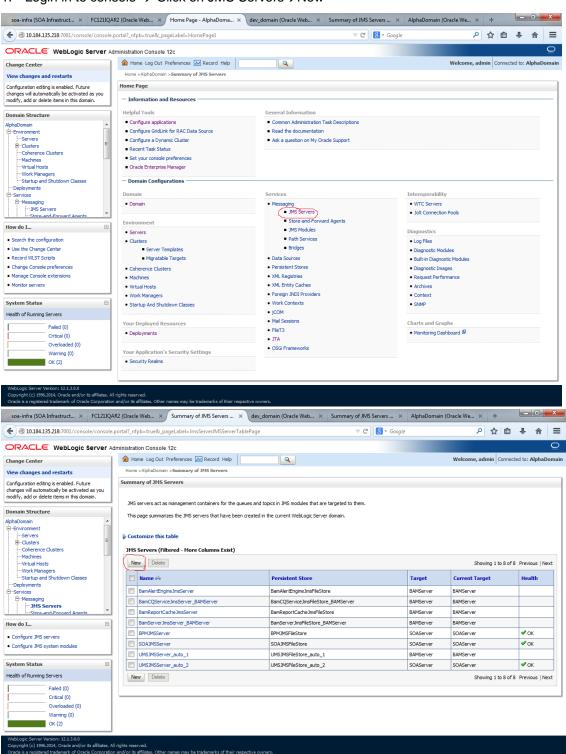
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Change Center	🔒 Home Log Out Preferences 📐	Record Help	Q	Welcome, weblogic Connected to: Dev1201_domain							
View changes and restarts	Home >Summary of Deployments >D	bAdapter									
Configuration editing is enabled. Future	Settings for javax.resource.cci.ConnectionFactory										
changes will automatically be activated as you modify, add or delete items in this domain.	General Properties Transac	ion Authentication Co	nnection Pool Logging								
Domain Structure	This page allows you to view and n	odify the configuration prop	erties of this outbound connection pool. Properties you mod	ify here are saved to a deployment plan.							
Dev1201_domain	Outbound Connection Propert	es									
Deployments BServices Security Realms	Save			Showing 1 to 8 of 8 Previous Next							
Interoperability Diagnostics	Property Name 🗞	Property Type	Property Value	Supports Dynamic Updates							
	DataSourceName	java.lang.String	jdbc/fcjdevDS	false							
	DefaultNChar	java.lang.Boolean	false	false							
	PlatformClassName	java.lang.String	org.edipse.persistence.platform.database.Orade10Plat	tform false							
	SequencePreallocationSize	java.lang.Integer	50	false							
	UsesBatchWriting	java.lang.Boolean	true	false							
How do I 🗉	UsesNativeSequencing	java.lang.Boolean	true	false							
Configure outbound connection pool	UsesSkipLocking	java.lang.Boolean	true	false							
properties	XADataSourceName	java.lang.String		false							
System Status	Save			Showing 1 to 8 of 8 Previous Next							
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. A Oracle is a registered trademark of Oracle Corporatio		idemarks of their respective o	vners.								

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



1.2.6 Configuring JMS Adapter

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





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

soa-infra (SOA Infrastruct × FC1211QAF	R2 (Oracle Web 🗴 Create a New JMS Server 🗴 dev_domain (Oracle Web 🗴 Summary of JMS Servers 🗴 AlphaDomain (Oracl	e We 🗙	+	l	- 0	×
() 10.184.135.218:7001/console/console.p	portal?_nfpb=true&_pageLabel=JmsServerCreateJMSServer&JmsServerCreateJMSServerPortlet_action0 🛡 C 🛛 🔀 🕶 Google	٩	☆	ê,	F 🏦	≡
	Iministration Console 12c					Q
Change Center	🟦 Home Log Out Preferences 🔤 Record Help	elcome, adı	nin O	onnected	to: Alpha	Domain
View changes and restarts	Home >AlphaDomain >Summary of JMS Servers					
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New JMS Server					
modify, add or delete items in this domain.	Back Net Finish Cancel					
Domain Structure	JMS Server Properties					
AlphaDomain ▲ □=Environment □=Servers □=Clusters ■	The following properties will be used to identify your new JMS Server. * Indicates required fields					
Coherence Clusters	What would you like to name your new JMS Server?					
Virtual Hosts Work Managers Startup and Shutdown Classes	6 ∰ *Name: FCUBSJMSServer					
Deployments	Specify persistent store for the new JMS Server.					
	Persistent Store: SOAJMSFileStore Create a New Store					
How do I	Back Ned 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)						

3. Select the target as SOA Server \rightarrow Finish

soa-infra (SOA Infrastruct × FC1211QAR2 (Oracle Web × Create a New JMS Server × dev_domain (Oracle Web × Summary of JMS Servers × AlphaDoma	ain (Oracle We 🗙	+			×
📀 🛞 10.184.135.218.7001/console/console.portal?/msServerCreateJMSServerPortlet_actionOverride=/com/bea/console/actions/jms/server/createj 🛡 😋 🛛 🛐 🛛 Google	٩	☆	ê 🖡	俞	≡
ORACLE WebLogic Server Administration Console 12c					õ
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Charges will adurate a room of the advance of of the advanc					
Domain Structure Select targets					
AlphaDomain Select the server instance or migratable target on which you would like to deploy this JMS Server.					
Servers E Target: SOAServer V					
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Critessama Arto Servers Arto-and Forward Agents					
How do I					
Configure JMS system modules					
Configure custom persistent stores					
System Status					
Health of Running Servers					
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Making Charles										
Virtual Hosts Work Managers Stachup and Shutdown Classes		omize this table								
Work Managers Startup and Shutdown Classes Deployments 3-Services		Servers (Filtered - More Columns Exis	st)				Showi	ng 1 to 9 of	9 Previo	ous Next
Work Managers Startup and Shutdown Classes Deployments	JMS S	Servers (Filtered - More Columns Exis		Persistent Store		Target	Showi	-	9 Previo	
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4. Go back to Console →JMS Modules→New

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hange Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, admin Connected to: AlphaDo
iew changes and restarts	Home >AlphaDomain >Summary of JMS Servers >Summa	ary of JMS Modules	
onfiguration editing is enabled. Future	Home Page		
hanges will automatically be activated as you odify, add or delete items in this domain.	- Information and Resources		
omain Structure	Helpful Tools	General Information	
phaDomain	Configure applications	 Common Administration Task Descriptions 	
Environment	Configure GridLink for RAC Data Source	 Read the documentation 	
Servers	Configure a Dynamic Cluster	 Ask a question on My Oracle Support 	
-Clusters	 Recent Task Status 		
Coherence Clusters Machines	 Set your console preferences 		
Virtual Hosts	Orade Enterprise Manager		
	- Domain Configurations		
Deployments			
Services	Domain	Services	Interoperability
-Messaging -JMS Servers	Domain	Messaging	WTC Servers
-Store-and-Forward Agents	T	 JMS Servers 	 Jolt Connection Pools
w do I	Environment	 Store-and-Forward Agents 	
W d0 1	Servers	<u>JMS Modules</u>	Diagnostics
Search the configuration	Clusters	 Path Services 	Log Files
Use the Change Center	 Server Templates 	 Bridges 	Diagnostic Modules
Record WLST Scripts	 Migratable Targets 	Data Sources	 Built-in Diagnostic Modules
Change Console preferences	Coherence Clusters	 Persistent Stores 	Diagnostic Images
Manage Console extensions	Machines	XML Registries	Request Performance
Monitor servers	Virtual Hosts	XML Entity Caches	Archives
	Work Managers	 Foreign JNDI Providers 	Context
stem Status	 Startup And Shutdown Classes 	Work Contexts	SNMP
ealth of Running Servers		• jCOM	
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Failed (0)	Deployments	FileT3	• Monitoring Dashboard 图
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Warning (0)	Your Application's Security Settings		
OK (2)	Security Realms		



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ange Center	🏠 Home Log Out Preferences 🔤 Record Help	admin Conne	ected to: /	lphaDor
w changes and restarts	Home > AlphaDomain > Summary of JMS Servers > Summary of JMS Modules			
nfiguration editing is enabled. Future Inges will automatically be activated as you dify, add or delete items in this domain.	Summary of JMS Modules	destination is	ave queta	
main Structure	distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system mo			
Environment	This page summarizes the JMS system modules that have been created for this domain.			
Virtual Hosts	1MS Modules			
	New Delete Sh	owing 1 to 8 of	8 Previo	us Nexi
Services -Messaging	□ Name ≫	Туре		
JMS Servers Store-and-Forward Agents	BamAlertEngineJmsSystemModule	System		
JMS Modules *	BamCQServiceJmsSystemResource_BAMServer	System		
do I	BamReportCacheJmsSystemModule	System		
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onfigure JMS system modules onfigure resources for JMS system modules	BPMJMSModule	System		
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tem Status 🖂	UMSAQJMSSystemResource	System		
th of Running Servers	UMSJMSSystemResource	System		
Failed (0)	New Delete Sh	owing 1 to 8 of	8 Previo	us Nex
Critical (0)				
Overloaded (0) Warning (0)				
warmy (0)				

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

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	portal?CreateIMSSystemModulePortletreturmTo=JmsModulesTablePage&JmsModulesTablePortlethan: 🛡 🕑 🛐 🔹 Google 🖉 🎸 🏠 🛔 🕂 🏠
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View changes and restarts	Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Hodules
Configuration editing is enabled. Future	Create JHS System Module
changes will automatically be activated as you modify, add or delete items in this domain.	Back Next Finish Cancel
Domain Structure	The following properties will be used to identify your new module.
AlphaDomain	3MS system resources are configured and stored as modules similar to standard J2EE modules. Such resources include queues, topics, connection factories, templates, destination keys, quota, distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAP) parameters. You can administratively configure and manage JMS system modules as global system resources. * Indicates required fields
Work Managers Startup and Shutdown Classes	What would you like to name your System Module?
-Deployments	* Name: FCUBSJMSModule
MessagingJMS ServersStore-and Forward Agents	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	Book Ned Finish Cancel
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (2) Weblogic Server Version: 12.1.3.0.0	
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Change Center	Anne Log Out Preferences 应 Record Help Welcome, admin Gonnected to: AlphaDomain
View changes and restarts	Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Hodules
Configuration editing is enabled. Future	Create JHS System Module
changes will automatically be activated as you modify, add or delete items in this domain.	Back Next Frish Cancel
Domain Structure	The following properties will be used to target your new JMS system module.
AlphaDomain ▲ Environment → Servers ⊕ -Clusters ■	Use this page to select the server or duster on which you would like to deploy this JMS system module. You can reconfigure targets later if you wish.
Coherence Clusters Machines Virtual Hosts	Targets :
Work Managers Startup and Shutdown Classes	Servers
Deployments EServices	AdminServer
-Messaging -JMS Servers -Store-and-Enrward Agents	BAMServer
How do I	S0AServer
Configure JMS system modules Configure JMS servers	Back. Next Print Cancel
System Status	
Health of Running Servers	
Failed (0)	
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OK (2)	
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€ € 10.184.135.218:7001/console/console.port	ral?_nfpb=true&_pageLabel=JMSSystemModuleConfigGeneralPage&UMSSystemModuleConfigGen 🛡 🕑 🗕 - Google 🔎 🏠 🖻 🌲 🚍

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Change Center	A Home Log Out Preferences	Necord Help		Q		Welcome, admin Connected to: AlphaDomain
View changes and restarts Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Home > AlphaDomain > Summary of Messages	ited. No restarts a		dules >FCUBSJMSModule		
Domain Structure	Settings for FCUBSJMSModule					
AlphaDomain	Configuration Subdeployment	nts Targets	Security Note	s		
Servers BClustersCoherence ClustersMachines	This page displays general infor	mation about a JN	IS system module	and its resources. It also allow	s you to configure new resources and a	iccess existing resources.
Virtual Hosts Work Managers	Name:	Name: FCUBSJMSModule The name of this JMS system module. More Inf				is JMS system module. More Info
L-Startup and Shutdown Classes "Deployments S-Services D-Messaging 3MS Servers L-Store-and-Enward Agents The Store-and-Enward Agents	Descriptor File Name: This page summarizes the JMS r destination quota, distributed d		ve been created f			e JMS module descriptor file. More Info nection factories, JMS templates, destination sort keys,
How do I No task help found.	Customize this table					
System Status 🖂	New Delete					Showing 0 to 0 of 0 Previous Next
Health of Running Servers	🔲 Name 🐟	Туре	ונ	IDI Name	Subdeployment	Targets
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6. Go back to JMS Modules→FCUBSJMSModule→New

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Configuration editing is enabled. Future changes will automatically be activated as you	Settings for FCUBSJMSModule					
modify, add or delete items in this domain.	Configuration Subdeployments	Targets Security	Notes			
Domain Structure						
AlphaDomain	This page displays general informatio	n about a JMS system m	odule and its resources. It also allows you to	configure new resources and access exis	ting resources.	
Clusters Coherence Clusters	Name:	FCU	ISJMSModule	The name of this JMS syst	tem module. More Info	
Machines	Descriptor File Name:	jms/	cubsjmsmodule-jms.xml	The name of the JMS mod	lule descriptor file. More Info	
L-Startup and Shutdown Classes Deployments Service Messaging MK Servers Strosand-Enroyard Agents *	destination quota, distributed destin			eue and topic destinations, connection fa	ctories, JMS templates, destination sort keys,	
How do I 🖂	Summary of Resources					
No task help found.	New Delete	1			Showing 0 to 0 of 0 Previous Next	
	🔲 Name 🗠	Туре	JNDI Name	Subdeployment	Targets	
System Status			There are no items	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. A Oracle is a registered trademark of Oracle Corporatio		emarks of their respective				

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

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) 🕙 10.184.135.218:7001/console/console.	.portal?_nfpb=true&_pageLabel=JmsCreateSystemModuleEntity&JmsCreateSystemModuleEn	ntityPortlet 🛡 C 🖸 - Google 👂 🏠 自 🖡 🏠
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nfiguration editing is enabled. Future anges will automatically be activated as you dify, add or delete items in this domain.	Create a New JMS System Module Resource	
	Back Next Finish Cancel	
main Structure	Choose the type of resource you want to create.	
EvronmentServersCoherence ClustersWebuil Hosts	Use these pages to create resources in a 3MS system module, such as queues, topica, template Depending on the type of resource you select, you are promoted to enter basic information for factories, distributed gueues and toocs, foreign servers, and 2MS SMF destinations, you can de transchalte resources with addeduncemes, which is an advanced mechanism for councing XMS in the advance with subdeduncemes, which is an advanced mechanism for councing XMS in the subscription of the	creating the resource. For targetable resources, like stand-alone queues and topics, connection so proceed to targeting pages for selecting appropriate server targets. You can also associate
	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info
Messaging MS Servers Store-and-Forward Agents	O Queue	Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More Info
Configure quotas for destinations Configure JMS templates	© 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	O 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	Distributed Topic	Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clents. More Info
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
stem Status 🖂	🔘 Quota	Controls the allotment of system resources available to destinations. More Info
alth of Running Servers Failed (0)	Destination Sort Key	Defines a unique sort order that destinations can apply to arriving messages. More Info
Critical (0) Overloaded (0)	◎ JMS Template	Defines a set of default configuration settings for multiple destinations. Mo Info
Warning (0)		
Warning (0) OK (2)	SAF Imported Destinations	Defines a collection of imported store-and-forward (SAP) destinations. A SAP destination is a representation of a queue or topic in a remote server instance or cluster that is imported into the local cluster or server instance, so that the local server instance or cluster can send messages to the remote server instance or cluster. More Info



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Change Center	🏦 Home Log Dut Preferences 🔤 Record Help
View changes and restarts	Hore >Jmshdipter >Summay of JMS Servers >Summay of JMS Modules >FCuBSIMBModule >FCuBSConnectionfactory >Summary of Deployments >Summary of JMS Modules
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a Hour 2HS System Module Resource
Lock & Edit Release Configuration Domain Structure FCH4INSTEST	Connection Federal Projecties The following projection at the work to identify your new connection factory. The current module is FCMESHISHadde. * Indicator response fields
Domain Partitions Environment Deployments Services	* Name: FCUBSConnectionfactory
i Security Realins ⊕ Interoperability ⊕ Diagnostics	What 2001 Name Not Name IndiFCUBSConnectionEactory
	The Connection Factory Solecorpton Sharing Palley Solecorbers can be used to control which whorehow can access new solecorptions. Shall advergetors created using Bin Factory be sharable? Solecorptions Sharing Palley: Exclusive +
How do L	The Clert ID Policy indicates whether more than one 2% connection can use the same Clert ID. Oracle recommends setting the Clert ID policy to Unrestricted if sharing durable subscribers. Subscriptons created with different Clert ID policies are sharpy treated as independent subscriptons, think Clert ID Policy would you like to said
Configure JMS templates Configure destination keys	Client ID Policy: Restricted •
Configure topics Configure queues Configure connection factories	A connection factory can limit the number of messages that can queved for an anynchronou session. Should this connection factory impose a limit? Meadman Messages per Session: 10
Configure uniform distributed topics Configure uniform distributed queues Configure foreion servers	Should this connection factory orate sessions that are JTA aware, and orante XA queues and XA topics?
Configure JNS SAF System Status	m accumentant restore contents of the 2015 destination is configured to support this behavior ?
Health of Running Servers as of 1:13 PM	Attach 3H5X UserID
Failed (0) Critical (0)	(See) (Hes) (Free) Cores
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8. Select Advanced targeting→create New Sub Deployment with the below Name→Select the target as JMS server which we have created on top→Finish

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Change Center	🏦 Home Log Out Preferences 🖂 Record Help 🛛 🔍 Welcome, admin Connected to: AlphaDomain
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Configuration editing is enabled. Future changes will automatically be activated as you	Create a New JMS System Module Resource
modify, add or delete items in this domain.	Back Ned Frieh Advanced Targeting Cancel
AlphaDomain	The following properties will be used to target your new JMS system module resource
Servers Coherence Clusters	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 did. Advanced Targeting to use the subdeployment mechanism for targeting this resource.
Machines Virtual Hosts Work Managers	The following JMS module targets will be used as the default targets for your new JMS system module resource. If the module's targets are changed, this resource will also be retargeted appropriately.
	Targets :
Messaging Misservers	Servers
How do I	✓ SOAServer
	Back Next Finish Advanced Targeting Cancel
Configure quotas for destinations Configure JMS templates	
Configure destination keys	
Configure topics	
Configure queues	
Configure connection factories	
Configure uniform distributed topics	
Configure uniform distributed queues	
Configure foreign servers	
Configure JMS SAF	
System Status	
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WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. All	Trights reserved.



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Change Center	🔒 Home Log Out Preferences 🔤 Record Help 📃 🔍 🔍 Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >FCUBSConnectionfactory >Summary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >alacebalder
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New JMS System Module Resource
modify, add or delete items in this domain.	
Domain Structure	Back Next Finish Cancel
AlphaDomain Defensionment Defensionment Defensionment Defension D	The following properties will be used to target your new JHS system module resource: Use this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by which JMS resources are grouped and targeted to a server instance, duster, or SAF agent. If necessary, you can create a new subdeployment by diding the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the parent module resource. Select the subdeployment you want to use. If you select (none), no targeting all coar. Subdeployments: (none) Oracle a liew Subdeployment? Hargets : Back liew Image: Image:
Configure on conception factories Configure on conception factories Configure uniform distributed uspics Configure uniform distributed oucles Configure on servers Configure JMS SAF System Status Health of Running Servers	
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Critical (0) Overloaded (0) Warning (0) OK (2)	211QAR2 (Oracle Web.,, × 🗸 Create a New Subdeploy × dev_domain (Oracle Web., × Summary of JMS Servers, × AlphaDomain (Oracle We.,. × +
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Pending changes exist. They must be activated	Create a New JMS System Module Resource	
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.	Back Net Frida Cancel	
Activate Changes	The following properties will be used to target your new JMS system module resource	
Undo All Changes	Like 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, d	
Domain Structure	SAF agent. If necessary, you can create a new subdeployment by clicking the Create a New Subdeployment button. You can also reconfigure subdeployment targets later by using the module's subdeployment management page.	:pa
AlphaDomain	Select the subdeployment you want to use. If you select (none), no targeting will occur.	
ClustersCoherence ClustersMachines	Subdeployments: FCUBS Create a New Subdeployment	
Virtual Hosts	What targets do you want to assign to this subdeployment?	
Startup and Shutdown ClassesDeployments	Targets :	
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Store-and-Enrward Agents	SOAServer	
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Work Managers Startup and Shutdown Classes	Name:			FC	UBSJMSM	odule		The name of	this JMS system module.	More Info	
-Deployments El-Services	Descriptor File	Name:		jm	s/fcubsjms	module-jms.x	nl	The name of	the JMS module descriptor	file. More I	nfo
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H-Clusters Coherence Clusters Machines Virtual Hosts	This page displays general inf	rmation about a	JMS system	n module an	d its resources.	It also allows you to configure n	ew resources a	nd access existing resources.					
Work Managers Startup and Shutdown Classes	Name:		FC	CUBSJMSMo	dule		The name o	f this JMS system module. M	lore Info	•			
DeploymentsServicesMessagingJNS ServersStore-and-Forward Anents	Descriptor File Name: This page summarizes the JMS destination quota, distributed		have been c	reated for t		module, including queue and top		f the JMS module descriptor fi				ys,	
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9. Go back to console \rightarrow Click on JMS Modules \rightarrow New \rightarrow check on Queue \rightarrow next

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Servers BClusters Costerence Clusters Machines Withal Hosts With Managers	Use these pages to create resources in a JMS system module, such as queues, topics, templates, ar Depending on the type of resource you select, you are prompted to enter basic information for creat factories, distributed queues and holps, foreign servers, and JMS SAF destinations, you can also p targetable resources with subdeployments, which is an advanced mechanism for grouping JMS modu	ating the resource. For targetable resources, like stand-alone queues and topics, connection roceed to targeting pages for selecting appropriate server targets. You can also associate
Startup and Shutdown Classes Deployments Services	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info
Messaging MS Servers Store-and-Forward Agents	Queue	Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More Info
How do L 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 ${\rm Info}\ldots$
Health of Running Servers Failed (0)	Destination Sort Key	Defines a unique sort order that destinations can apply to arriving messages. More Info
Critical (0) Overloaded (0) Warning (0)	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 cluster that is imported into the local cluster or even instance, so that the local server instance or cluster can send messages to the remote server instance or cluster. More Inform.
	◎ Remote SAF Context	Defines the URL of the remote server instance or cluster where a JMS destination is exported from. It also contains the security credentials to be authenticated and authorized in the remote cluster or server. More Info
	SAF Error Handling	Defines the action to take when the SAF service fails to forward messages to remote destinations. More Info
	Back Next Finish Cancel	
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10. Create Queue with Name NOTIFY_DEST_QUEUE and JNDI name as jms/NOTIFY_DEST_QUEUE→select the sub deployment which we have created earlier →Next→Finish



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AlphaDomain Environment Servers		vill be used to identify your r	new Queue	e. The current module is F	CUBSJMSModule.							
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Virtual Hosts Work Managers Startup and Shutdown Classes 	* Name:	NOTIFY_DEST_QU	UEL									
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B-Clusters Coherence Clusters Machines Virtual Hosts Work Managers		ys general informatio	on about a .			rces. It also allows you to configure ne		-			
	Name:			FCU	BSJMSModule		The name of	this JMS system module. More I	nfo		
B-Services	Descriptor File	Name:		jms/	fcubsjmsmodule-jm	xml	The name of	the JMS module descriptor file.	More Info		
JMS Servers Store-and-Forward Agents		arizes the JMS resou ta, distributed destin				stem module, including queue and topi ard parameters.	c destinations, c	onnection factories, JMS templat	es, destination	sort key	's,
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Overloaded (0) Warning (0)		te						Sho	wing 1 to 2 of	2 Dravia	I Maria

- Please create queue MDB_QUEUE_RESPONSE with JNDI name as jms/MDB_QUEUE_RESPONSE, queue eis/jms/ORGateway with JNDI name as eis/jms/ORGateway, and queue FAULT_QUEUE_RESPONSE with JNDI name as jms/FAULT_QUEUE_RESPONSE as above in console within FCUBSJMSModule.(Follow step 8-9 in 1.2.6)
- 12. Go to Console→Deployment→JmsAdapter→Configuration→Outbound Connection Pool→Expand oracle.tip.adapter.jms.IJmsConnectionFactory→New→Provide JNDI as 'eis/Queue/Notif'→next→Finish



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		JDEWorldAdapter	Installed		Resource Adapter		333
		JmsAdapter	Active	🖋 ОК	Resource Adapter	SOAServer	323
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		Ø ^{™SMQAdapter}	Installed		Resource Adapter		334
		CoAAPredictionService	Active	🖋 ОК	Enterprise Application	SOAServer	100
		Oracle Apps Adapter	Active	🖋 ОК	Resource Adapter	SOAServer	328
		Ø OracleBamAdapter	Installed		Resource Adapter		329
		CoradeBPMBACServerApp	Active	🖋 ОК	Enterprise Application	SOAServer	384
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		CoradeBPMWorkspace	 Active	🖋 ОК	Enterprise Application	SOAServer	383
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13. Click on the Outbound connection pool with **eis/Queue/Noti**f and enter the connection factory location as **jndi/FCUBSConnectionfactory**→press Enter and Save

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



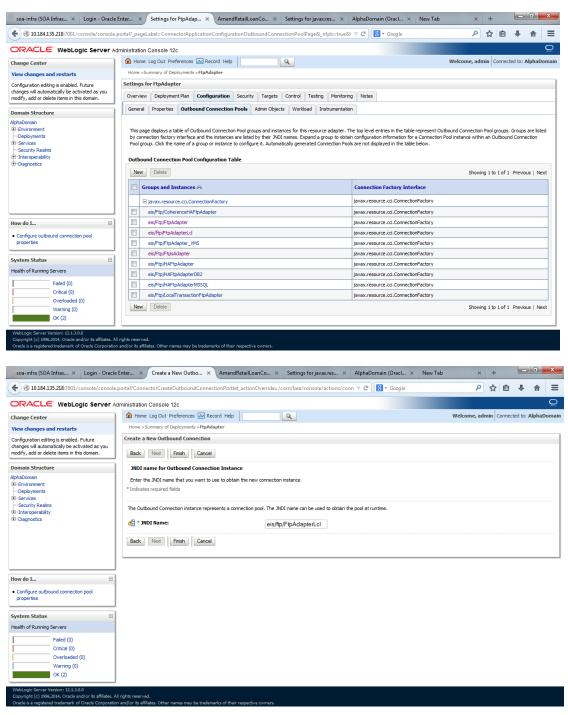
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15. Create the out bound connection pool with the **eis/wls/Queue** name in the Deployments using connection factory jndi/FCUBSConnectionfactory.



1.2.7 Configuring FTP Adapter

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



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



1.2.7.1 BIP Interactive reports configuration

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

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

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

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



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

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

or

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

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- 6. After getting information message like "A new role added successfully", then again
 - Right click on the domain(in which BI suite is installed) under the weblogic domain
 - Go to security and then navigate to application polices



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



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- 8. After navigating to next screen as per the screen shot,
 - Click on Add button , a new window "Add Principal" will be launched.
 - Select Type as "Application Role" and click on the search button
 - From the list select the role that has been created earlier in application role screen and click on OK button in pop up window and screen.

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



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

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

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

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11. After clicking on the permissions, a new window will pop up, delete all the roles if any present on click of permissions, then click on Add button, and then click on search button in "Add Roles" window that is launched newly and select the role that has been created and click on move button and click on OK.



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12. Finally, the role will be added and select the options that has to be provided for the particular role and check if the permissions is only to items within the folder if necessary.

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

Note:

In the similar way we can set the permissions at report level also for particular role.



- 13. Please login in to Bi Publisher http://server:port/xmlpserver.
- 14. Click on Adminstration → JDBC connection → Add Data Source

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

ORACLE	BI Publisher Enterprise	Search Al	~	ø	Administration	n Help∽	Sign Out 🧲
Administration			Home Catalog	🎴 New 🗸	📔 🗁 Open 🛩	Signed In As	i weblogic∽
Administration > JDI	BC > Add Data Source						
Add Data Source							
						Apply	Cancel
General							
	ke sure to install the required JDBC driver classe						
With Orac	e Fusion Middleware Security Model, select the	Jse System User checkbox to use the BI System User for your BI Serve	er Database Connection.				
	* Data Source Name	FCSOA					
		Oracle 11g					
	* Database Driver Class	oracle.jdbc.OracleDriver (Example: oracle.jdbc.OracleDriver)					
	* Connection String	jdbc:oracle:thin:@//ofss222783.in.oracle.com:1521/FCUBSDEV121					
	Use System User	DEV12C_SOAINFRA					
	Pre Process Function						
	Post Process Function						
		Use Proxy Authentication					
		Test Connection					
Backup Data So	ource						
							l
TIP To enable	access to a backup data source, please check th	e Use Backup Data Source checkbox and enter the necessary connection	on information.				
		Use Backup Data Source					
	Connection String						
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	Username						
	Password	Test Connection					
		reac connection					

16. Add the fcubs roles to allowed Roles under security

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Backup Data Source							
✓TIP To enable access to a backup data source, please check th Connection String Username Password	e Use Backup Data Source checkbox and e Use Backup Data Source Use Backup Data Source Test Connection	inter the necessary connection inf	ormation.				
Security							
Allow Guest Access	Available Roles EI Administrator Role EI Author Role EI Synsumer Role FCUIS Consumer Role	Allowed Roles					

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



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

1.2.8 BAM Report Configuration settings

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

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Deploy EJB modules Install a Web application			BPMComposer		Active	🛩 ок	Enterprise Application	soa_server1	385
system Status E			coherence-transaction-rar		Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
Failed (0)			CoherenceAdapter		Installe	d	Resource Adapter		331
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OK (3)			DMS Application (12.1.3.0.0)		Active	🛩 ок	Web	AdminServer, bam_server1,	5

4. click on Configuration Configuration \rightarrow Save

ORACLE WebLogic Server Adr			
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modify, add or delete items in this domain.	Overview Deployment Plan Configuration	Security Targets Control Testing Mor	nitoring Notes
Domain Structure	Application Workload Instrumentation		
dev_domain	Save		
Deployments Services Security Realms	This page describes the configuration information	that is currently defined in the deployment plan	for the selected module or component.
Interoperability Diagnostics	Session cookies max age (in seconds):	-1	The life span of the session cookie (in seconds) after which it expires on the client. The value '-1' indicates that the cookie will persist until the client's browser shuts down. More Info
	Session Invalidation Interval (in seconds):	60	The time (in seconds) that WebLogic Server waits between doing house-cleaning checks for timed-out and invalid sessions, and deleting the old sessions and freeing up memory. More Info
How do I	Session Timeout (in seconds):	3600	The amount of time (in seconds) that a session can remain inactive before it is invalidated. More Info
Create a deployment plan Update a deployment plan	Debug Enabled		Enable debugging information for this session More Info
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Configure an enterprise application Target an enterprise application to a server System Status	Monitoring Attribute Name:		Specifies the name of a session attribute which is tagged with session information. For example, if this value is set to username, then the username attribute is guaranteed to be unique. More
Health of Running Servers			Info
Failed (0) Critical (0)	Save		
Overloaded (0) Warning (0) OK (3)			
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Orade and/or its affiliates. Al Orade is a registered trademark of Orade Corporation	I rights reserved. and/or its affiliates. Other names may be trademarks of their rer	spective owners.	

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

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Change Center						Q				· · · · · ·	nnected to: dev_domai
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Domain Structure	Save										
dev_domain - Environment - Deployments - Services - Security Realms	plan, and s		the end of the pa	age lists the						the application files, the assoc contained in the enterprise app	
 Interoperability Diagnostics 	Name:		BamComposer					The	name of	this enterprise application. N	ore Info
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	Save										
	Modules a	nd Components									

 Add variable and variable assignment as below to the Plan.xml in <module-name>BamComposerWeb.war</module-name> and for reference please find plan.xml file.

<variable>

```
<name>oracle.adf.view.rich.security.FRAME_BUSTING</name>
<value>never</value>
</variable>
```



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



7. Stop the BAM composer application in console.

Services Security Realms Interoperability Diagnostics	1	istomize this table						
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		(#) Coffeevo		Installed		Enterprise Application		100
		FtnArlanter		Active	✓ OK	Resource	soa server1	325

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



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UK (3)		DMS Application (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.

ORACLE WebLogic Server Adr	ninistration Console 12c		Q
Change Center	😭 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: dev_domain
View changes and restarts	Home >Summary of Deployments >BamComposer >Summary	y of Deployments >BamComposer >Summary of D	eployments >BamComposer >Summary of Deployments
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dev_doman Everytomment Deployments Services Services Security Realms Interoperability	You have elected to update the BamComposer appl option plate this application in place with new de option) Deployment plan path: /scratch/app/fmw124		
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WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporation	I rights reserved. and/or its affiliates. Other names may be trademarks of their resp	ective owners.	

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



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dev_domain Environment	Select or enter a de	eployment plan for this	app. The file must exist a	nd have a .xml extension.						
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WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Orade and/or its affiliates. All Orade is a registered trademark of Orade Corporation a		mes may be trademarks o	f their respective owners.							

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System Status			E EBamServer	Active	🛩 ок	Enterprise Application	bam_server1	400			
Health of Running Servers		۲	E BPMComposer	Active	🛩 ок	Enterprise Application	soa_server1	385			
Failed (0) Critical (0) Overloaded (0)			oherence-transaction-rar	Active	🖋 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100			
Warning (0)			S Coherence Adapter	Installed		Resource Adapter		331			
OK (3)	1		o DbAdapter	Active	🛩 ок	Resource Adapter	soa_server1	322			
		F 1	The Default ToDo TaskFlow	Active	🛩 ок	Enterprise	soa server1	314			

12. Restart the BAM Composer application in the console



							mit in the late	
Change Center		me Log Out Preferences 🚵 Record Help	Q					onnected to: AlphaDoma
View changes and restarts		>BamComposer >Summary of Deployments >Bam yments >/bam/composer >Summary of Deploym		ts >BamComposer >Summar	ry of Deployn	nents >Summary of	Servers >Summary of	
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Messa S	ges elected Deployments have been requested to st	ар.					
Domain Structure	Summ	ary of Deployments						
VphaDomain	This	nol Monitoring page displays a list of Java EE applications and i eployed), or deleted from the domain by first se				nstalled application	is and modules can be starte	d, stopped, updated
Wrbual Hosts Work Managers Startup and Shutdown Classes Deployments		stall a new application or module for deploymen tomize this table	t to targets in this domain, click th	Install button.				
-Services Security Realms	Depl	oyments						
Interoperability -Diagnostics	ins	tall Update Delete Start - Top	P~				Showing 1 to 48	of 48 Previous Next
tow do I 🗉		Name 💫	uests dministration requests	State	Health	Туре	Targets	Deployment Order
Install an enterprise application Configure an enterprise application				Prepared	≪ок	Resource Adapter	SOAServer	324
Update (redeploy) an enterprise application Start and stop a deployed enterprise		⊞ []_b2bui		Prepared	≪ок	Enterprise Application	SOAServer	313
applicationMonitor the modules of an enterprise	7	⊞ BamComposer		Prepared	≪ок	Enterprise Application	BAMServer	500
application • Deploy EJB modules		B BamCQService		Active	∢ок	Enterprise Application	BAMServer	300
Install a Web application		BamServer		Active	≪ок	Enterprise Application	BAMServer	400
ealth of Running Servers		BPMComposer		Active	≪ок	Enterprise Application	SOAServer	385
Faled (0)		Scoherence-transaction-rar		Active	≪ок	Resource Adapter	AdminServer, BAMServer, SOAServer	100
Critical (0) Overloaded (0)		CoherenceAdapter		Installed		Resource Adapter		331
Warning (1) OK (2)				Active	≪ок	Resource Adapter	SOAServer	322
		DefaultToDoTaskFlow		Active	≪ок	Enterprise Application	SOAServer	314
		OMS Application (12.1.3.0.0)		Active	≪ок	Web Application	AdminServer, BAMServer, SOAServer	5

- 13. Login in to em console http://hostname:port/em
- 14. Right Click on BAM Server→Security→Application Roles

ORACLE Enterpris	e Manager Fusion Middleware Cont	trol 12c		👥 weblogic 🕶 🧲
Target Navigation		BamServer Business Activity Monitoring		Logged in as weblogic 🗍 ofss2221222.in.oracle.com Page Refreshed Jul 23, 2015 11:17:31 AM IST 💍
Applcation Deployments SOA SOA WebJopic Doman Burgress Actholy Montorr DemServer (ham, set MetJopic Doma WebJopic Doma	Home Home Monitoring Control Logs Security App	global poler, store when the applications are application. Provider To manage users and groups in the Webl Poly Scope Weblogic Domain Provider LDAP Location Polices Acaton Polices Acaton Polices Acaton Polices Role Name Starts With To	registered. These are also applica .ogic Domain, use the <u>Oracle Web</u> rce	actic to the application. These roles are seeded by applications in single ation roles that are created in the context of end users accessing the blogic Server Security Provider.

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



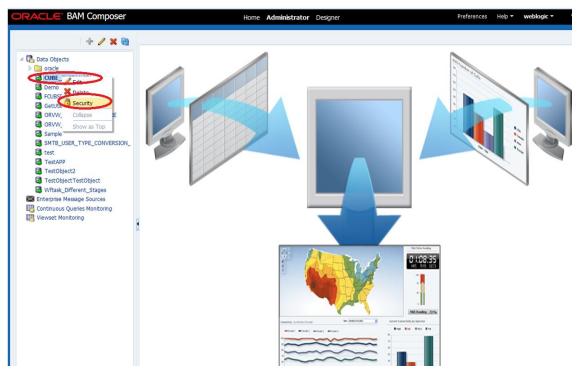
ORACLE' Enterprise Manager Fusion Middlew	vare Control 12c	👥 weblogic 🔹 🔘
WebLogic Domain -		
Target Navigation	BamServer ()	Logged in as weblogic I ofss2221222.in.oracle.com
View 🕶	Business Activity Monitoring 🕶	Page Refreshed Jul 23, 2015 11:20:30 AM IST 💍
Application Deployments		
D SOA	Create Application Role	OK Cancel
WebLogic Domain Business Activity Monitoring	General	
BamServer (bam_server1)	Application BamServer Stripe	
Metadata Repositories	* Role Name ALLROLES-000	1
User Messaging Service	Display Name ALLROLES-000	í l
	Description	ń
	Members An application role may need to be mapped to users or groups defined in	enterprise LDAD convertion the role can be managed to other application
	roles.	enterprise cover server, or the role can be mapped to other application
	View - 👍 Add 🞉 Delete 🔡 Detach	
	Name Display Name	Туре
	No groups or app Add roles added.	

- 16. Select the Type as Group and add principle details be referring the below screen shot.
- 17. Login to BAM Composer \rightarrow <u>http://hostname:port/bam/composer--</u>> Click on Administrator.





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



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

ORACLE' BAM Composer	Home Administrator Designer Preferences	Help 🔻	weblogic 🕶
+ / × 81	GetUtilsDB (Security) ×		3 🛛
	Full Name /dataobject/GetUtisDB Owner Type USER Owner Name weblogic	١	Save Save
Cortwork Co	1. Grant permission Add Application Roles, Groups and Users View * * Role Name Read Write * Application Roles, Groups and Users Name Read Write * Application Role * Search Availabler Hembers BPMContent/Viewer * BPMContent/Viewer * BPMContent/Viewer * Autoineur * Autoineur * Autoineur * BPMContent/Viewer * BPMContent/Viewer * BPMContent/Viewer * BPMContent/Viewer * BPMContent/Viewer * BPMContent/Viewer * Selected Members * Selected Members * Selected Members *		×
	2. Deny Permission OK Cancel View * * Role Name Read No data to display		



20. Move the ALLROLES-000 to Selected members.

	RACLE BAM Composer		Но	me Admi	n istrator Designer	Preference	es Help ▼	weblog	11C-Y
Bota objects Full Name / /dataobject/GetUtib08 OutBE_INSTANCE Owner Name //dataobject/GetUtib08 Owner Name webojic GetUtib0B Owner Name //dataobject/GetUtib08 Owner Name Webojic ShTB_USER_TYPE_CONVERSION Infant Permission GetUtib0B Infant Permission Vew v ▲ ▲ Detach Ø/// E BAMContentViewer Ø Infant Permission Vew v ▲ ▲ Detach Ø/// E Witaky Dreinsion Ok Cancel Vew v ▲ ▲ Detach Ø// E Vew v ▲ ▲ Write Infanth	+ / 🗙 🚱	GetUtilsDB (Security) ×							?
Image: Single Singl		Full Name /datad Owner Type USER					١	62	Sav
UNWIRACK_EXOUNCE Sample What Offerent Stages Sample Sample Vewset Montoring Vew = Noe Name Read Write		1. Grant permission			Add Application Roles, Groups	and lisers		×	
TestObject2 TestObject2 AllRolE5-000 TestObject2 BMContentViewer BMContentViewer Wrtax_Offrent_Stage AllRolE5-000 Continuous Queries Montoring Image: Continuous Queries Montoring Viewset Montoring Image: Continuous Queries Montoring Image: Continuous Queries Montoring Image: Continuous Queries Montoring Image: Continuous Queries Montoring Image: Continuous Queries Montoring Image: Continuous Queries Montoring Image: Continuous Queries Montoring Image: Con	Sample SMTB_USER_TYPE_CONVERSION_ test	Role Name	Read	V	Name List Application Role 💌 Search				
Z. Detay remission View ~ + X Role Name Read Write	TestObject2 TestObject TestObject Witask_Different_Stages Enterprise Message Sources Continuous Queries Monitoring					ALLROLES-000			
Role Name Read Write			Detach		OK Cancel				
		Role Name		Write					

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

+ 🥒 🗙 🚱	GetUtilsDB (Security)	×						(?
	B Security							0 0 6
Data Objects Data Objects CUBE_INSTANCE Demo CUBE_INSTANCE CUBEDATAOBJECTS GetUTISDB	Full Name /data Owner Type USER Owner Name webl		DB					
ORVW_FACILITY_EXPOSURE	1. Grant permission							
Sample		Detach						
SIMTB_USER_TYPE_CONVERSION_	Kole Name	Read	Write	Remove	Select	Delete	Update	Security
a test	BR ALLROLES-000	V			V			
TestAPP	BAMArchitect	V	100	3				
TestObject2	BAMContentCreato	n 🔽			V			
TestObjectTestObject	BAMContentViewe	r 🔽	(***)		V			
Wftask_Different_Stages								
Enterprise Message Sources								
Continuous Queries Monitoring								
tiewset Holiconing	•							
	1							
	2. Deny Permission							
	View 🔻 🛖 💥	Detach						
	Role Name	Read	Write	Remove	Select	Delete	Update	Security
	No data to display							

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



23. Click on Designer →open Project

ORACLE BAM Composer Home Administrator Designer Preferences H	łelp ▼ weblogic ▼
CUBS_BAM_Report Crast Business Vews Business Vews Arts Parameters What do you want to create? Usiness and Alerts Cashboards and Alerts Cashboards are composed of one or more views Create one Airts Airts Arts Cashboards are composed of one or more views Create one Airts Create one Create one Airts Create one Create one<	Data

24. Click on FCUBS_BAM_report

ORACLE BAM Composer	Home Administrator Designer	Preferences Help • weblogic • (
FCUBS_BAM_Report 🗷 🕞 🕂 🖉 🎕		
 Data Objects Bunness Quaries Aris Dathboards Alerts Im Parameters 	Open Project Select the project to open Process Analytis TestApp_2204 Model t to create? more views Queries, of Pattern Matches	Data

25. click on FCUBS_BAM_Report → Security



	Home Administrator Designer	Preferences Help veblogic v
CUBS_BAM_Report Create Creat	Home Administrator Designer	Data

26. Click on ADD button Under Grant Permission.

ORACLE BAM Composer		Home	Administrator Des	igner		Preferences	Help 🔻	weblogic 🕶
FCUBS_BAM_Report 🖭	FCUBS_BAM_Report (Security) \times							(2) 🕅
D + / X 🔂	C Security						1	Save Save
 Data Objects Business Queries KPIs Business Views Business Views Boshboards 	Owner Type	/project/FCUBS_BAN USER weblogic	I_Report					
Alerts	1. Grant permiss	sion						
	View -	🗙 🛃 Detach						
	Role Name	dd Application Roles	Groups and Users	Remove	Security			
	BAMContentV							
	8							
	2. Deny Permiss	ion						
	View 👻 🛖	🗙 🛃 Detach						
	Role Name No data to display	Read	Write	Remove	Security			
	wo data to display							



ORACLE' BAM Composer		Home Adn	ninistrator Desig	ner		Preferences	Help 🔻	weblog	gic + C
FCUBS_BAM_Report 🔳	FCUBS_BAM_Report (Security) ×							💿 🖾 ▾
	🔁 Security						i	ବ୍ର	Save
 Image: Business Queries Image: KPIs Image: Business Views Image: Business Views Image: Business Views 	Full Name /proj Owner Type USER Owner Name webl		port						
Alerts	1. Grant permission								-
P arameters	View - + ×	detach							
	Role Name Add A	pplication Roles, Grou	ups and Users	Remove	Security				
	BAMContencereace BAMContentViewe								
			_	_					
	2. Deny Permission								
	View 👻 💠 🗙	Detach		-					
	Role Name No data to display	Read	Write	Remove	Security				

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

ORACLE BAM Composer	Home Administrator Designer	Preferences	Help 👻	weblog	jic 🔻
FCUBS_BAM_Report 🖃 🗁 🔶 🗶 🚳	FCUBS_BAM_Report (Security) × Security Full Name /project/FCUBS_BAM_Report		i	69	3 🕅 🕈
 [®] RPIs 	Owner Type USER Owner Name weblogic				
> 🖼 Parameters	Ad Application Roles, Groups and Users Name Search Available Hembers BAMArchitect PDMCratbatt/Gever ALLROLES-000 CK Cancel CK Cancel				



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

ORACLE' BAM Composer	Home Administrator Designer	Preferences	Help 👻	weblog	gic 🕶 🔾
FCUBS_BAM_Report 🖃	FCUBS_BAM_Report (Security) ×		()	Ba	3 8 -
 ▷ Control Delects ▷ Control Delects ▷ Control Delects ▷ KPIs ▷ Submess Views ▷ Subhoards 	Full Name /project/FCUBS_BAM_Report Owner Type USER Owner Name weblogc		Ū	<u>6</u>	Save
A Alerts ▷ IIII Parameters	1. Grant permission Add Application Roles, Groups and Users Name List: Application Role				
	Search Available Members Selected Members BAMArchitect BPMContentViewer S S S S S S S S S S S S S S S S S S S				
	« «				
	OK Cancel				

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

ORACLE BAM Composer		Home A	dministrator De	signer		Preferences	Help 🔻	weblogic -
FCUBS_BAM_Report	FCUBS_BAM_Report	(Security) $_{\times}$						2 💌
> Conta Objects > Conta Objects > Conta Objects > Conta Objects > Conta Objects > Conta Objects > Konta Objects > Conta Objects > Konta Objects > Conta Objects > Conta Objects > Conta Objects	Owner Type USE	iject/FCUBS_BAM_F R Plogic		(1)	A Save			
Alerts Parameters	1. Grant permission							
		Detach						
•	Role Name	Read	Write	Remove	Security	>		
	BAMContentCreat	the second s						
	BAMContentView							
	2. Deny Permission							
	View 🕶 📫 💥	🛃 Detach						
	Role Name No data to display	Read	Write	Remove	Security			
	no data to usplay							



1.2.9 IPM configuration to edit the document

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

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

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

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

•	Click on the New button.

ORACLE WebLogic Server®	Administration Console		Ģ
Change Center	Home Log Out Preferences	Record Help	Welcome, weblogic Connected to: IPM_dom
View changes and restarts	Home		
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Settings for myrealm Configuration Users and G	oups Roles and Policies Credential Mappings Providers Migration	
Domain Structure	Users Groups		
PM_domain	This page displays information	about each group that has been configured in this security realm.	
Security Realms Interoperability	Customize this table		
Diagnostics	Groups		
	New Delete		Showing 1 to 10 of 568 Previous Next
	🔲 Name 🏟	Description	Provider
	AC-BATCH	Accounting Batch Operations	Fcubs
	AC-REPORTS	Accounting Reports	Fcubs
low do I 🖂	AC-RPT	Accounting Reports	Fcubs
Manage users and groups	ADMIN	Admin	Fcubs
Create groups	AdminChannelUsers	AdminChannelUsers can access the admin channel.	DefaultAuthenticator
Modify groups	Administrators	Administrators can view and modify all resource attributes and start and stop servers.	DefaultAuthenticator
Delete groups	ADMINROLE	Admin Role	Fcubs
	AE-MAINT-IN	AEOD Maitenance	Fcubs
ystem Status 🗉	AEOD-RPT	AEOD Reports	Fcubs
ealth of Running Servers	AEOD-STB	Accounting Reports	Fcubs
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)	New. Delete		Showing 1 to 10 of 568 Previous Next
J WebLogic Server Version: 10.3.6.0 Copyright © 1996, 2011, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	l rights reserved. n and/or its affiliates. Other names may	trademarks of their respective owners.	

- 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 Conso	le		Q
Change Center	🙆 Home Log Out Pr	eferences 🚵 Record Help	Q	Welcome, weblogic Connected to: IPM_domain
View changes and restarts	Home			
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Group			
Domain Structure				
IPM_domain IPM_do	Group Properties The following propert * Indicates required fie	ties will be used to identify your new G Ids	roup.	
Security Realms	What would you like to	name your new Group?		
		describe the new Group?		
How do I 📼	Please choose a provi	der for the group.		
Create groups				
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 ru	ames may be trademarks of their respectiv	re owners.	

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

ORACLE WebCenter Content: Imaging	
	Sign In
	User ID
	Password
	Password
	Sign In
Copyright (c) 2010, 2013 Orade and/or its affiliates. All rights reserved.	Privacy Statemen
Copyright (c) 2010, 2013 Onaue ano/or its animates. All fights 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: I	Imaging	Logged in as weblogic Help Refresh Preferences Logout About	2
E ∰ Searches COL_D 2 ← Tools 2 ← Honore Searches E ⊞ Track 1 ← Honore Searches E ⊕ Honore Applications 3 2 ← Honore 1 2 ←	Imaging FLEXCIBE: Application Summary USCRIME Application Seammary USCRIME Application Seammary USCRIME SEA	taged is an unlage. (My) Educk) Followson) Laport) Boot	
a 🕼 Hanage Inputs 16 [j]: Manage Connections 10 ■ Manage Scourtly	El Application History Den Tota Den Reine 102/0355 204. Definition Create wellage 202/0355-031. Definition Reidy wellage		
Manage Security Copyright (c) 2010, 2015 Oracle and/or its affiliates. All rights re-	rennet.		Privacy Statement

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

ORACLE WebCenter Content:	Imaging	Logged in as weblogic Help Refresh Preferences Logout About 🖸
El 😫 Searches USER_ID	General Properties Field Definition: Application Security Decoment Security program Policy Worlfaw Configuration: Review Settings	*
	Create Application: Document Security Provide reactly sight for the application's context. Select "Set" when you have finished with document security. The Vant Access' security right automatically confers Write's and $\frac{1}{2}$ Add (9 cm; 9 Remove	d Delete security rights in the reportany.
al 🖉 Tools El 🔩 Manage Searches 🛐 USER_ID	Ten Insurin Hender View Units Deher Gont Unit Admit Andrede Another Another Hender Statementen 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
B 🗟 Manage Applications 🔄	Add Society Hember Red Bepallet to send for mailed escent prefere. Use the data the field a specific term or mailed the scent prefere. Use the data the field a specific term or mailed the scent prefere. Set the sterm of the	
	Image Sends Image Sends Image Sends	
	Att Coort	
Y Manage Inputs Manage Connections Menage Security		
Copyright (c) 2010, 2015 Oracle and/or its affiliates. All right	s reserved.	Privary Statement



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

ORACLE WebC	enter Content:	Imaging							Logged in as	weblogic Help R	efresh F	Preferences Logout /	
Searches USER_ID		USER_ID: Sear	ch Summary									Modify 🗙 Delete	Close
⊡ 🖉 Tools ⊡ 🗣 Manage Searches USER_ID	2	Properties Search Desor Instru Maximum Search R	esults 0										
		Source Application	DOCID	Document C Date		Ocument Creater	Docume	ent Batch Id	Document Id				
		FLEXCUBE	DOCID	Document C		ocument Creater	i Docume	ent Batch Id	Document Id				
	1	Parameters Parameter Name	Prompt Text Document Created	Operator Te		- Document Crea		Piddist	Required	Read Only)	Conjunction	
		⊡Security											
		Type Security Me	mber	View	Modify	Delete	Grant Access						
		Administrate		1	~	~	~						
		□Audit History	,										_
		Date	Type	User Name									
		7/2/2014 7/4/2014	Definition Create Definition Modify	ARU1 weblogic									
		7/4/2014	Definition Modify	weblogic									
🗉 🔁 Manage Applications		7/4/2014	Definition Modify	weblogic									
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🗉 🐻 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 🔘
I Describes	Properties: Results Formatting Conditions Parameter Security Yeview and Test Review Settings USER_ID: Search Security Provide search: reliable for the search. Select Next* when you have finished with search seaurity. Top Add * Copy Remove	Cancel Back Next Scheme
🗉 🖗 Tools	Type Security Member View Modify Delete Grant Access	
🖃 🔍 Manage Searches 🛛 🔮	🖓 Administrators	
USER_JD El En Manage Applications El Manage Inputs El Manage Connections El Manage Security	Immediate to search for groups or users. Use the text rout to search for success the end of the search for groups or users. Use the text rout to search for success the end of the search for groups or users. Use the text rout black to search for success the end of the search for groups or users. Beerch Groups Immediate text rout black to search for search for search for search for search for groups or users. Beerch Groups Immediate text rout black to search for	

9. Copy the FCJJPSProvider.jar to location

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

- 10. Go to the location '<ORACLE_HOME>\ user_projects\domains\<Domain_created>\config\fmwconfig'
 - a. Open 'jps-config.xml' file. Search for '<serviceProviders>' tag and add the following code between '<serviceProviders>' and '</serviceProviders>' tags.

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

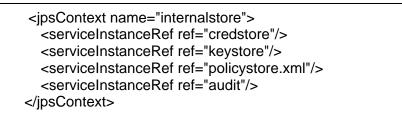
b. Similarly, Search for '<serviceInstances>' tag and add the following code between '<serviceInstances>' and '</serviceInstances>' tags.

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



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

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



1.2.10 Configuring Superviser Roles in EM

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

	ACLE [®] Enterprise	Manager Fusion	Middleware Control 12	🇮 WebLog	ic Domain 🔻 🕠	weblogic 🔻	•••
	Navigation				Mar 21, 2016	12:30:59 PM IST	r ئ
View 💌							
4	Home	Þ	essing the application	the application. These roles are seeded by applications in single global policy store when the applic n. <u>Server Security Provider</u> .	ations are register	ed. These are a	also
	Monitoring Logs	•		Server Security Flowley.			
	SOA Deployment Manage Partitions	•	application. Use	plication stripe to search if application uses a stripe that is different from application name.			
	Work Manager Groups Resequencing Groups		X Delete		Ę	Detac	ch
	Service Engines Bindings	▶ .0] ▶ ss [1.0]		Description			
	Services and References						
	Business Events						
	SOA Administration	Þ					
	Security	Applicat	ion Policies				
	Administration	Applicat	ion Roles				
	Target Sitemap						
	Target Information						
	<pre>et* CRDCProcess [1.1 et* CreateCorporateCor</pre>	ustomer [2.0] ustomer [3.0] ustomer [3.1]					
•	- HE ENEV Processo (4.0)	4	-				



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

	RACLE [®] Ent	erprise Mana	iger Fusion Mid	dleware Control	12c	ter State (State State S	omain 🔻	weblogic 🔻		
	↑ soa-infra () SOA Infrastructur	e v					Mar 21, 201	.6 12:30:59 PM IS		
ga	lication Roles									
plica	ation roles are the roles					e application. These roles are seeded by applications in single global policy store when the applications a	are registered	d. These are als		
•	ation roles that are creat nanage users and grou					por Sequity Provider				
		in the webbo	gic Domain, use	ule <u>oracle webt</u>	oqic ae	IVEL SECURITY FIORIDEI.				
▶ Po	olicy Store Provider									
il Se	earch									
nter s	search keyword for role r	ame to query ro	les defined by th	is application. U	se appli	cation stripe to search if application uses a stripe that is different from application name.				
	Role Na	me Starts With	-							
View	Create	E Create Li	ke 🖋 Edit.	. X Delete	Sear	ch application roles		Detach		
view	• Create	E Create Li	Ke J Euit.	. A Delete						
/										
R	ole Name		Display Name			Description				
de	efault_Composer		Composer for th	e Default Partitio	n	A composer is responsible for making changes to composite artifacts, such as business rules in a bus	iness proces	s, security pol		
de	efault_Deployer		Composite Dep	loyer for the Defa	ult P	A deployer is responsible for deploying new applications, upgrading existing applications, and managing the continuous integratio				
de	efault_Tester		Tester for the Default Partition Application Operator for the Default Pa			A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination Pa An application operator is responsible for handling customer complaints and making decisions on requests that result in faults in				
de	efault_ApplicationOpera	tor								
de	efault_Monitor		Monitor for the Default Partition			A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition				
M	iddlewareOperator		SOA MiddleWare Operator			A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact v				
M	iddlewareAdministrator		SOA Middleware	e Administrator		A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always r				
S	OAAdmin		SOA Admin Rol	9		SOA application admin role, has full privilege for performing any operations including security related				
S	OAOperator		SOA operator Role			SOA application operator, for common operational tasks like start, stop, monitor, backups				
S	SOAMonitor SOA Monitor Role			le		SOA application monitor role, has read-only privileges for monitoring				
S	OAAuditAdmin		SOA Audit Admi	n Role		SOA audit administrator role, can perform audit configuratoin and administration				
S	SOAAuditViewer Role			SOA audit viewer role, can view audit records						
B	BPMWorkflowAdmin BPM Workflow System Admin Role		le	BPM Workflow Administrator Application Role						
B	PMWorkflowCustomize		BPM Workflow C	Customize Role		BPM Workflow Customize Application Role				
B	PMAGAdmin		BPM Activity Gui	de Admin Role		BPM Activity Guide Administrator Application Role				
B	PMOrganizationAdmin		BPM Organizati	on Admin role		BPM Organization Administrator Application Role				
	OADesigner		SOA Designer			SOA Designer				

10.184.133.168:7401/em/faces/as/security/appRolesMainType=oracle_soainfra&target=/Domain_soa_domain/soa_domain/soa_server1/soa_infra#

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

	CLE [®] Ente	rprise Manage	er Fusion Middl	eware Contro	ol 12c	🔚 WebLogic Domain 👻 🛛 weblogic 👻		
	soa-infra 🕕	-				Mar 21, 2016 12:30:59 PM IST		
	tion Roles							
	oles that are create					e application. These roles are seeded by applications in single global policy store when the applications are registered. These are als		
To manag	je users and group	s in the WebLogic	Domain, use th	oracle Wet	Logic Se	rver. Security Provider.		
Policy S	store Provider							
d Search								
	keyword for role na	ame to query roles	defined by this	application. U	Jse appli	ation stripe to search if application uses a stripe that is different from application name.		
	Pole Nan	ne Starts With	-					
					-			
View -	Create	📑 Create Like.	💉 Edit	× Delete	h	🖙 🖃 Detach		
1			Edit	he selected a	pplication	role		
Role N	lame	D	isplay Name			Description		
default	Composer		omposer for the	Default Partit	tion	A composer is responsible for making changes to composite artifacts, such as business rules in a business process, security poli-		
default	Deployer		Composite Deployer for the Default P Tester for the Default Partition			A deployer is responsible for deploying new applications, upgrading existing applications, and managing the continuous integratio		
default	Tester	Te				A tester performs integrated black box testing on preproduction systems. A system tester typically runs tests using a combination of		
default	ApplicationOperate	or At	Application Operator for the Default Pa		fault Pa	. An application operator is responsible for handling customer complaints and making decisions on requests that result in faults in		
default	Monitor	M	Monitor for the Default Partition			A default partition monitor is responsible for ensuring the successful operations of the deployed applications on the default partition		
Middley	wareOperator	S	OA MiddleWare	Operator		A middleware operator is responsible for ensuring operational continuity. A middleware operator is also the main point of contact w.		
Middley	vareAdministrator	S	OA Middleware A	dministrator		A middleware administrator is responsible for ensuring the continuous availability of the middleware servers, but is not always resp.		
SOAAd	min	8	OA Admin Role			SOA application admin role, has full privilege for performing any operations including security related		
SOAOp	erator	S	OA operator Role	,		SOA application operator, for common operational tasks like start, stop, monitor, backups		
SOAMo	SOAMonitor SOA Monitor Role			SOA application monitor role, has read-only privileges for monitoring				
SOAAu	SOAAuditAdmin SOA Audit Admin Role			SOA audit administrator role, can perform audit configuration and administration				
SOAAu	dit√iewer	S	OA Audit Viewer	Role		SOA audit viewer role, can view audit records		
BPMWorkflowAdmin BPM Workflow System A		M Workflow System Admin Role		Role	BPM Workflow Administrator Application Role			
BPMW	orkflowCustomize	BI	PM Workflow Cu	stomize Role		BPM Workflow Customize Application Role		
	Admin	BI	PM Activity Guide	Admin Role		BPM Activity Guide Administrator Application Role		
BPMAG		D	PM Organization	Admin role		BPM Organization Administrator Application Role		
	ganizationAdmin		- M Organization					



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

	nterprise Manager Fusion	Middleware Control 12c	🔚 WebLogic Domain 👻 🛛 weblogic 👻 🛛
te soa-infra o	ture 🔻		Mar 21, 2016 12:34:21 PM IST 👈
Edit Application R	Role : SOAAdmin		OK Cancel
	the group of users designed at t	he enterprise level and typically used to assign a privilege or permission. A role can also contain other roles as mer	nbers.
General			
Application Stripe so	a-infra Add Principal		
Role Name SC	-	ale at the explication rates that you would be grant permissions to	
Display Name SC	 Specify criteria to search and s Search 	elect the application roles that you want to grant permissions to.	
Description S(
pe re		Type Group	
		Principal Name Starts With	
Members An application role may nee		Display Name Starts With 💌	
View 🔻 🕂 Add	Searched Principals		
Name	View v Detach		/ре
Administrators	Principal	Display Name Description	roup
	No search conducted		
	Advanced Option		
	Check to enter principal n	ame here instead of searching from above. This option can be used for advanced scenarios related to custom auth	enticators.
			OK Cancel

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

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



6. Click Ok .

1.2.11 Email Driver Configuration

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

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

📑 WebLogic Domain 🔻						
Target Navigation		۰				
View 🔻		ê.				
 Application Deployments SOA WebLogic Domain Business Activity Monitori Metadata Repositories User Messaging Service usermessagingdriver- usermessagingdriver- 		En Tł				
ම්ම usermessagingserve මීම usermessagingserve	Control Logs Performance Summary Email Driver Properties System MBean Browser Target Information	•				

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



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

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

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

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



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

13. Navigate to SOA Administration ->Workflow Properties

ORACLE'	Enterprise Manager Fus	sion Middleware Control 12c	👥 weblogic 👻 📿
🔡 WebLogic Domain '	.		
Target Navigatio	DN	for a soar infra i	Logged in as weblogic 🗐 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:15:16 AM IST 💸
 Application Dep SOA SOA Soa-infra⁴ Odefault WebLogic Don Business Activ Metadata Rep User Messagir User Messagia usermessa usermessa usermessa 		Mailer Task ⓐ Information All charges made in this page require a server restart to take effect. Workflow Notification Properties Before configuring the Workflow Notification, configure the Messaging Service Driver. Go to the Messaging Driver page * Notification Mode whothication Mode Motification Service	Pelated Links Apply Revert Revert
මූම Usermessa මූම usermessa	Service Engines Bindings Services and References Business Events	* Email : Actionable Address xxx@xxx.com * Email : Actionable Address gggg@ggg.com * Email : Reply To Address xxx@xxx.com	
	SOA Administration ▶ Security ▶ Administration ▶ Target Information ▶	Common Properties Ication Configuration Properties BPEL Properties BPMV Properties Bedator Properties BPMV Properties Workflow Properties B28 Server Properties	
		Cross References Token Configurations Auto Purge	

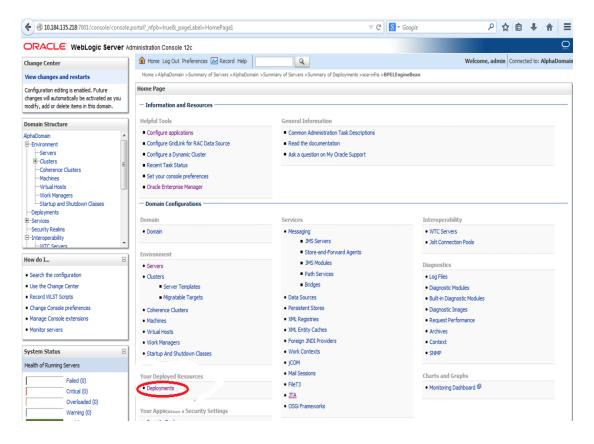
14. Select the notification mode as Email/ALL and enter the from address Actionable address and reply to Address.



1.2.12 TimeOut Settings for BPEL

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

2. Click on Deployments





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

Security Realms	Name 🕎	State	Health	Туре	Targets	Deployment Order
-Interoperability	foracle.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	♂ 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	Torade5PMComposerRolesApp	Active	🗸 ок	Enterprise Application	SOAServer	382
System Status	CradeBPMProcessRolesApp	Active	🗸 ок	Enterprise Application	SOAServer	381
Health of Running Servers	CradeBPMWorkspace	Active	🖋 ОК	Enterprise Application	SOAServer	383
Failed (0) Critical (0)	崎 orail&n-adf(11,11.1.1.0)	Active		Library	AdminServer, BAMServer, SOAServer	100
Overloaded (0) Warning (0)	👘 owasp.esapi(2.0,12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
OK (2)	₿ SAPAdapter	Installed		Resource Adapter		335
	C SimpleApprovalTaskFlow	Active	🖋 ок	Enterprise Application	SOAServer	386
	a 📑 Soa-infra	Active	🖋 ок	Enterprise Application	SOAServer	350
	Constant Con	Active	🖋 ок	Enterprise Application	SOAServer	360
	ut soa.em	Active		Library	AdminServer	100
	SocketAdapter	Installed		Resource Adapter		326
	state-management-provider-memory-rar-12.1.3	Active	🖋 ок	Resource Adapter	AdminServer, BAMServer, SOAServer	100
	UIX(11,12.1.3.0.0)	Active		Library	AdminServer, BAMServer, SOAServer	100

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

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



Workflow Task Service Properti × Se	ettings for BPELEngineBean 🗙 🜔	http://ofss222nitFilter=true × 🜔 Connecting	× New Tab × +
③ 10.184.135.218:7001/console/conso	ole.portal?_nfpb=true&_pageLabel=EJBCo	mponentConfigurationPage&handle=com.bea.console.handles \triangledown C	f 🔀 = Google 🔎 🏠 🖨 🖡 🔒
Virtual Hosts	Name:	BPELEngineBean	The name of this bean. More Info
Work Managers Startup and Shutdown Classes	Туре:	stateless	The EJB type (session, entity, or message). More Info
Deployments B-Services	Transaction Type:	Container	The bean's transaction type. More Info
Security Realms Interoperability	EJB Class Name:	com.collaxa.cube.engine.ejb.impl.bpel.BPELEngineBean	EJB Class Name More Info
ow do I	- Pool Configuration		
Configure Version 2.X EJBs	Initial Beans in Free Pool:	100	The initial number of beans in the free pool. More Info
View deployment status of EJBs Set EJB target servers and dusters Update (redeploy) EJBs Stop EJBs	Max Beans in Free Pool:	1000	The maximum number of beans in the free pool. When an EJB has been in the free pool for the number of seconds specified in Idle Timeout, and the total number of beans in the free pool approaches the maximum beans in free pool specified in this field, idle beans are removed from the free pool. More Info
ystem Status E	Idle Timeout:	0	The maximum length of time (in seconds) an EJB should remain in the cache or free pool before it is passivated or removed. More Info
Failed (0)	- Enterprise Bean Configuration		
Critical (0) Overloaded (0)	Network Access Point:		Custom network channel that the EJB uses for network communications. More Info
Warning (0) OK (2)	Run As Principal Name:		The security principal to be used as the run-as principal for a bean that has security-identity specified in its ejb-jar.xml file. More Info
	Create As Principal Name:		The principal to be used when ejbCreate would otherwise run with an anonymous principal. More Info
	Remove As Principal Name:		The principal to be used when ejbRemove would otherwise run with an anonymous principal. More Info
	Passivate As Principal Name:		The principal to be used when ejbPassivate would otherwise run with an anonymous principal. More Info
	JNDI Name:		The JNDI name of an EJB, resource, or reference in WebLogic Server. More Info
	Local JNDI Name:		The JNDI name for a bean's local Home. More Info
	🚯 Dispatch Policy:		Designates which server execute thread pool the E38 should run in. More Info
	Transaction Timeout:	300	The transaction timeout value, in seconds. More Info
WebLogic Server Version: 12.1.3.0.0	Save		
Dopyright (c) 1996,2014, Oracle and/or its affiliates. Dracle is a registered trademark of Oracle Corpora		Jemarks of their respective owners.	
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5. Go to EJBs→BPEL DeliveryBean→ Configuration→set Transaction TimeOut to 300

B2BUtilityBean	EJB	
BAMActionMDB	EJB	
BeamActionMDB	EJB	
BottleneckDetectionBean	EJB	
BPELActivityManagerBean	EJB	
BPELAuditTraiBean	EJB	
BPELCacheRegistryBean	EJB	
BPELCacheStoreBean	EJB	
BPELClusterBean	EJB	
BPELDeliveryBean	EJB	
BPELDispatch BPELDeliveryBean, Level 3, 20 of 106	EJB	
BPELEngineBean	EJB	
BPELFinderBean	EJB	
BPELInstanceManagerBean	EJB	
BPELKeyGeneratorBean	EJB	
BPELProcessManagerBean	EJB	
BPELSensorValuesBean	EJB	
BPELServerManagerBean	EJB	
BPELTestInstanceManager	EJB	
BpmAGProcessBrokerServiceBean	EJB	
BpmAppServiceBean	EJB	
BPMDataObjectSecurityService	EJB	
BPMNActivityManagerBean	EJB	
BPMNAuditTrailBean	EJB	
BPMNClusterBean	EJB	
BPMNDeliveryBean	EJB	
BPMNDispatcherBean	EJB	
BPMNEngineBean	EJB	
BPMNFinderBean	EJB	



	Type:	stateless	The EJB type (session, entity, or message). More Info			
	Transaction Type:	Container	The bean's transaction type. More Info			
	EJB Class Name:	com.collaxa.cube.engine.ejb.impl.bpel.BPELDelveryBean	EJB Class Name More Info			
	— Pool Configuration ——					
How do L Configure Version 2.X EIBs View deployment status of EIBs Set EIB target servers and clusters Update (redeploy) EIBs Stop EIBs System Status	Initial Beans in Free Pool:	200	The initial number of beans in the free pool. More Info			
	Max Beans in Free Pool:	1000	The maximum number of beans in the free pool. When an EJB has been in the free pool for the number of seconds specified in Idle Timeout, and the total number of beans in the free pool approaches the maximum beans in free pool specified in this field, idle beans are removed from the free pool. More Info			
	Idle Timeout:	0	The maximum length of time (in seconds) an EJB should remain in the cache or free pool before it is passivated or removed. More Info			
lealth of Running Servers	— Enterprise Bean Configu	ration				
Faled (0) Critical (0) Overloaded (0) Warning (0) OK (4)	Network Access Point:		Custom network channel that the EJB uses for network communications. More Info			
	Run As Principal Name:		The security principal to be used as the run-as principal for a bean that has security-identity specified in its ejb-jar.xml file. More Info			
	Create As Principal Name:		The principal to be used when ejbCreate would otherwise run with an anonymous principal. More Info			
	Remove As Principal Name:		The principal to be used when ejbRemove would otherwise run with an anonymous principal. More Info			
	Passivate As Principal Name:		The principal to be used when ejbPassivate would otherwise run with an anonymous principal. More Info			
	JNDI Name:		The JNDI name of an EJB, resource, or reference in WebLogic Server. More Info			
	Local JNDI Name:		The JNDI name for a bean's local Home. More Info			
	👩 Dispatch Policy:		Designates which server execute thread pool the EJB should run in. More Info			
	Transaction Timeout:	1800	The transaction timeout value, in seconds. More Info			
	Save					

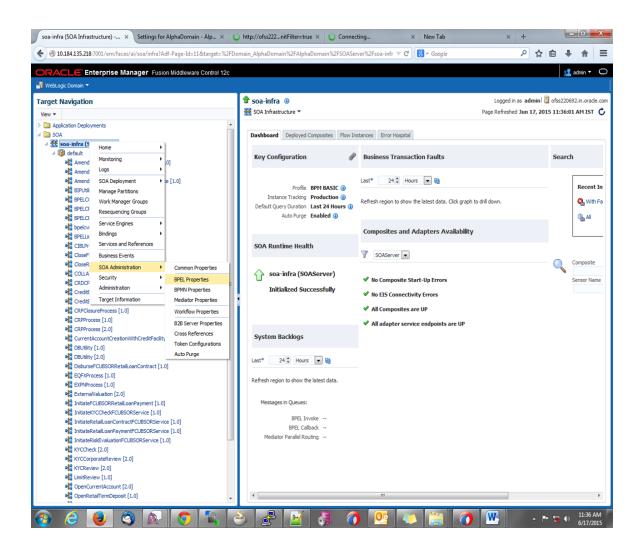
- 6. Login in to Console \rightarrow JTA
- 7. Set the JTA timeout according to the below condition. Make sure BPELEngineBean + BPELDeliveryBean is <= JTA timeout(e.g. 300+300<=600)



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

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







10.184.135.218-7001/em/faces/as/browser/mbeans?Adf-Page-1d=13 RACLE Enterprise Manager Fusion Middleware Control WebLook Domain		tern=oracie.	as.soaintra.contig%3Aname%	Subperse Coatarg V C	٩	☆ 自 巣 合
	4	soa-infra		Loope	lin as ad	Imin 📃 ofss220692.in.ora
Change Center () Changes Recording		SOA Infras				17, 2015 11:37:36 AM IS
		auctom MI	Bean Browser			
rget Navigation		•	on Defined MBeans: BF	PEL Config:bpel		Apply Re
		i) Info		Leosingippoi		
 Application Deployments SOA 4 器 soa-infra (SOAServer) 		The d		not managed by the configuration session. The changes will be applied im	mediately.	. You cannot undo the chang
4 🔞 default		Show	MBean Information			
କ୍ଷ୍ମି AmendFCUBSORNFRetailLoanContract [1.0] କ୍ଷ୍ମି AmendFCUBSORRetailLoanContract [1.0]		Attribute	S Operations Notifications			
Ma AmendecubsukketailloanContract [1.0]		Name		Description	Access	Value
Will blick the concentration of the concentratio on the concentration of the concentration of the concentration		corgo	and carrier carriera	a separate location from the rest of the instance scope data		
BPELCOLLATProcess [1.0]				specify the number of invoke messages that can be kept in the in-memory cache, once the engine hits this limit, it would push the		
BPELCRPClosureProcess [1.0]		22 Maxir	numNumberOfInvokeMessagesIr	message to dispatcher in-memory cache, instead it would save the	RW	100000
BPELCRPProcess [1.0]				message in the db and these saved messages can be recovered using		
Contraction of the second seco				recovery job, you can use value -1 to disable This value specifies the maximum number of times an invoke or callback		
He BPELLimitReview [1.0]		23 MaxR	lecoverAttempt	or activity will be recovered	RW	2
e CIBLProcess [1.0]		24 MinBF	NET MAINT	The minimum time duration for BPEL to do a real wait that involves a	RW	2
ଖାରୁ CloseFCUBSORRetailLoanContract [1.0] ଖାରୁ CloseRetailLoanContractFCUBSORService [1.0]	=			dehydration		
		25 object		The MBean's unique JMX name	R	oracle.as.soainfra.config:r
CRDCProcess [1.0]		26 Onev	VayDeliveryPolicy	Changes whether the one-way invocation messages are delivered	RW	async.persist
CreditBureauBPEL [1.0]		27 Quali	tyOfService	flag to enable or disable coherence cache for bpel service engine. use CacheEnabled for enabling coherence.	RW	DirectWrite
CreditBureauHandler [1.0]			tvOfServiceAuditStorePolicvUse	fag to enable or disable coherence carbe for boal service engine when	RW	false
CRPClosureProcess [1.0]		28 Quai	tyOtServiceAuditStorePolicyUsel	auditStorePolicy is set to async	RW	Taise
GRPProcess [1.0]		29 Quali	tyOfServiceOneWayDeliveryPoli	flag to enable or disable coherence cache for bpel service engine when oneWayDeliveryPolicy is set to async	RW	false
GRPProcess [2.0]		30 Read	Only	If true, it indicates that this MBean is a read only MBean.	R	false
CurrentAccountCreationWithCreditFadity [1.0]			veryConfig	Recovery Configuration	RW	javax.management.openn
BBUtility [1.0]		32 Recu	rringMaxMessageRaiseSize	Number of messages to recover during recurring recovery	RW	50
ଖିଲ୍ଲି DBUtility [2.0] ଖିଲ୍ଲି DisburseFCUBSORRetailLoanContract [1.0]		33 Resta	artNeeded	Indicates whether a restart is needed.	R	false
에a DisburseFCUBSORRetailLoanContract [1.0] 에네 EOFXProcess [1.0]		34 Spect	Compliance	Sets how the implementation is compliant to the spec	RW	suggest
We EXPNProcess [1.0]		35 Start	upMaxMessageRaiseSize	Number of messages to recover during startup recovery	RW	50
ExternalValuation [2.0]		36 Stats	LastN	The size of the "most recently processed" request list	RW	-1
a InitiateFCUBSORRetail.oanPayment [1.0]		37 Sund	MaxWaitTime	The maximum time a request/response operation will take before it	RW	45
Q InitiateKYCCheckFCUBSORService [1.0]		<u> </u>		times out. The default value is 45 seconds.		
InitiateRetailLoanContractFCUBSORService [1.0]		38 Syste	mMBean	If true, it indicates that this MBean is a System MBean. If set to "true" the engine will apply schema validation for incoming and	R	false
InitiateRetailLoanPaymentFCUBSORService [1.0]		39 Valida	ateXML	If set to "true" the engine will apply schema validation for incoming and outgoing xml documents. The default value "false".	RW	false
InitiateRiskEvaluationFCUBSORService [1.0]		40 Versi	n	version of the config file	R	11.1.0
He KYCCheck [2.0]		41 Visible		If true, it indicates that this MBean is visible to current user.	R	true
KYCCorporateReview [2.0]	-	٠		m		



1.3 Integrating Oracle FLEXCUBE UBS and Scheduler

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

1.3.1 Running Backend Scripts

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

Follow the steps given below:

- 1. Download Quartz Latest Qualified Version.gz file from the following URL: http://www.quartz-scheduler.org/download/download-catalog.html
- 1. Extract the gz file.
- 2. Open the folder 'Quartz-Latest Qualified Version \docs\dbTables' folder and run 'tables_oracle.sql' (this is specific to Oracle Database) in the schema.

For details on latest version of the software qualified with Oracle FLEXCUBE, refer to the release certificate.

1.4 Integrating Oracle FLEXCUBE UBS and BIP Reports

You can integrate Oracle FLEXCUBE UBS and BIP reports. The details are available in the chapter 'BIP Web Service Reports'.

1.4.1 Deploying Application Through Application Server's Admin Console

Deployment from Weblogic Administration Console

You can find the details pertaining to the deployment of Application using Weblogic Administration Console in the chapter 'Deploying Oracle FLEXCUBE Application on Weblogic'.

1.5 Integrating Oracle FLEXCUBE UBS and MBean

In order to integrate Oracle FLEXCUBE UBS and MBean, you need to follow the below steps before deploying the Oracle FLEXCUBE UBS EAR file created with MBean as a Plugin.

1.5.1 Startup Script Modification

By default, the TopLink used in MBean uses Oracle xml parser internally. However, Weblogic Server has to use JAXPlatform.

To change the system property, follow the steps given below:

- 1. Go to the Weblogic domain home folder.
 - c) Based on the operating system used, open 'startWeblogic.cmd' or 'startWeblogic.sh' from the folder 'bin'.



 d) Search for 'WLS_REDIRECT_LOG'. After '%JAVA_OPTIONS%' add the following code under 'if' and 'else' conditions.

"-Dtoplink.xml.platform=oracle.toplink.platform.xml.jaxp.JAXPPlatform"

Now, the details will look like this:

```
if "%WLS REDIRECT LOG%"=="" (
   echo Starting WLS with line:
   echo %JAVA HOME%\bin\java %JAVA VM% %MEM ARGS% -
Dweblogic.Name=%SERVER NAME% -
Djava.security.policy=%WL HOME%\server\lib\weblogic.policy
%JAVA OPTIONS% %PROXY SETTINGS% %SERVER CLASS%
   %JAVA_HOME%\bin\java %JAVA_VM% %MEM_ARGS% -
Dweblogic.Name=%SERVER NAME% -
Djava.security.policy=%WL HOME%\server\lib\weblogic.policy
%JAVA_OPTIONS% -
Dtoplink.xml.platform=oracle.toplink.platform.xml.jaxp.JAXPPlatform
%PROXY SETTINGS% %SERVER CLASS%
) else (
   echo Redirecting output from WLS window to %WLS REDIRECT LOG%
   %JAVA_HOME%\bin\java %JAVA_VM% %MEM ARGS% -
Dweblogic.Name=%SERVER NAME% -
Djava.security.policy=%WL HOME%\server\lib\weblogic.policy
%JAVA_OPTIONS% -
```

```
Dtoplink.xml.platform=oracle.toplink.platform.xml.jaxp.JAXPPlatform
%PROXY SETTINGS% %SERVER CLASS% >"%WLS REDIRECT LOG%" 2>&1
```

)

e) Restart the Weblogic server.





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