Setting up Plug-Ins Oracle Banking Enterprise Limits and Collateral Management

> Release 14.7.2.0.0 Part No. F98472-01 [December] [2023]

> > FINANCIAL SERVICES

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1. Setting Up Plug-Ins

1.1 Introduction

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

1.2 Integrating Oracle FLEXCUBE UBS and BPEL

If you have created the EAR file with BPEL as a plug-in, then along with the Oracle FLEXCUBE UBS EAR file, the Installer creates '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.



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

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

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



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

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

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

OK (3)

WebLogic Server A	dministration Consoli	e 12c								
Change Center	🏦 Home Log Out Preferences 🖾 Record Help							۷	Velcome, webl	logic Connected to: Dev1201_dor
View changes and restarts Home > Summary of Security Realms >myrealm >Providers >PCIQuationProviders >PCIQuationProviders >Providers >Pr										
Domain Structure	Securings for myre	am								
Dev1201 domain	Configuration U	sers and Groups	Roles and Policies	Credential Mappin	gs Providers	Migrati	ion			
Environment Deployments Services	Authentication					Auditing	Credential Mapping	Certification Path		can configure multiple Authentication
∰-Interoperability ⊕-Diagnostics	providers in a sec	urity realm. Differer ovider that allows yn table Providers	nt types of Authenti	cation providers are	designed to acco	ess differe	nt data stores, such a		MS. You can also	an configure a Realm Adapter
How do I										
	🔲 Name				Description					Version
 Configure Authentication and Identity Assertion providers 	FCJCustomProvider				uthentication pro	vider for F	FLEXCUBE users			FCUBS 12.1
Configure the Password Validation provider	Trust Service Identity Asserter Trust					Trust Service Identity Assertion Provider			1.0	
 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 System Status	New Delete	Reorder								Showing 1 to 4 of 4 Previous Next
System Status Health of Running Servers										
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)										
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affiliates. A	Il rights reserved.									



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

9. Click on FCJCustomProvider.

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

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



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

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

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

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

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

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

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

<n1:ldap-server-time-out-duration>0</n1:ldap-server-time-out-duration></sec:authentication-provider>

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

1.2.2 Configuring libovd for single Entity

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

- 1. Along with the Oracle FLEXCUBE UBS EAR file, the Installer creates 'FCJJPSProvider.jar' file inside the BPELbuild folder under SOURCE directory.
- 2. On the application server host, create a folder by name 'classes' at the location '<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x'.
- 3. Extract the file 'FCJJPSProvider.jar' and from the extracted content, copy the folder 'com' to: '<MIDDLEWARE_HOME>soa\soa\modules\oracle.soa.ext_11.1.x\classes'.



4. Navigate to the location

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

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



fcubs_adapter.xml

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

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

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

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

1.2.3 Configuring libovd for MultiEntity

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

1	0	0.1	87	ħ,
	_	_	_	-1

fcubs_adapter_ EntityId.xml



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

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

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

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

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

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

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

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

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

EX : ou= EntityId

9. Execute "libovdadapterconfig" script which is present in

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

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

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

Note:- for any misconfiguration in libovd

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

For deleting fcubsAdapter use the below command:

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

Connect to your Administration Server using the following syntax:

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

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

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



Note the following:

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

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

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

1.2.4 Configuring for Multiple Providers for Multiple Entities

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

soa_domain B-Domain Partitions B-Environment Deployments	Configure applications Configure GridLink for RAC Data Source	 Common Administration Task Descriptions 	
B -Environment Deployments	 Configure GridLink for RAC Data Source 		
Deployments		 Read the documentation 	
	 Configure a Dynamic Cluster 	 Ask a question on My Orade Support 	
Services	 Recent Task Status 		
Security Realms	 Set your console preferences 		
Interoperability Diagnostics	 Orade 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
Failed (0)	Virtual Hosts	 Path Services 	
Critical (0)	Virtual Targets	 Bridges 	Charts and Graphs
Overloaded (0)	Work Managers	Data Sources	 Monitoring Dashboard P
Warning (0)	Concurrent Templates	Persistent Stores	
OK (3)	 Resource Management 	 XML Registries 	
	 Startup And Shutdown Classes 	XML Entity Caches	
		 Foreign JNDI Providers 	
	Application's Security Settings	Work Contexts	
	Security Realms	• jCOM	
	-	Mail Sessions	
		FileT3	
		• JTA	
		OSGi Frameworks	

3. Click on myrealms.



	dministration Console 12c							
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: soa_de					
View changes and restarts	Home >Summary of Servers >Summary of Security Realms >myrealm >Providers >FCUBS >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms							
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Summary of Security Realms A security realm is a container for the mechanisms-including users, groups, security roles, security policies, and security providers-that are used to protect WebLogic resources. You can have multiple							
Domain Structure			ty realm, which is reserved for domain administrative purposes.					
soa_domain Domain Partitions Deployment Deployments Descrites	This Security Realms page lists each security realm the security realm	hat has been configured in this WebLogic Serv	er donain. Click the name of the realm to explore and configure that realm.					
Security Realms	Realms (Filtered - More Columns Exist)							
 Interoperability Diagnostics 	New Delete Showing 1 to 1							
	🔲 Name 🌣	Default Realm						
	myrealm	true						
	New Delete		Showing 1 to 1 of 1 Previous Ne					
How do I 🗉								
Configure new security realms								
Enable automatic realm restart								
Delete security realms Change the default security realm								
Change the default security ream								
System Status								
Health of Running Servers								
Faled (0) Critcal (0) Overloaded (0) Warning (0) OK (3)								
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4. Click on Providers.

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

5. Click on New



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

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

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

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



Change Center	🏦 Home Log Out Preferences 🗟 Record Help 📃 🔍 🦉 Welcome, weblogic Connected to: soa_dom
View changes and restarts	Home >FCUBS >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Summary of Security Realms >myrealm >Providers >ENTITYID >Providers
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Reorder Authentication Providers OK Cancel
Domain Structure	Reorder Authentication Providers
soa_domain ₱°Domain Partitions ₱°Environment	You can reorder your Authentication Providers using the list below. By reordering Authentication Providers, you can alter the authentication sequence.
I [→] Deployments	Contraction Providers: Available: Image: Contraction Providers: Available: Image: Contraction Providers: Default/Authenticator Image: Default/Authentic
How do I 🖂	
Re-order Authentication providers Set the JAAS control flag	OK Cancel
System Status 🗉	
Health of Running Servers	
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)	

8. Click the Provider that we have created.

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

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



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

10. Select the provider specific tab .

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

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



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

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

	ministration Console 12c		ç									
Change Center	🔒 Home Log Out Preferences 🔛 Record Help	Q	Welcome, weblogic Connected to: soa_dom									
View changes and restarts	Home >Summary of Security Realms >myrealm >Summa	ary of Security Realms >myrealm >Providers >ENTITYID >Providers >E	NTITYID > Providers > ENTITYID									
Configuration editing is enabled. Future	Settings for ENTITYID	Settings for EI/TITYID										
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration											
Domain Structure	Common Provider Specific											
soa_domain È-Domain Partitions	Save											
Environment Deployments	This page allows you to configure additional attributes for this security provider.											
Services Security Realms Definition of the security realms Interoperability	🏀 Ldap Server Ip And Port:	localhost389										
B-Diagnostics	🏀 JNDIName:	jdbc/fcjdevDS										
How do L 😑	External Password Required											
	🚝 Ldap Server Time Out Duration:	0										
	🖉 🕂 Multi Entity Enabled											
	👸 Security Authentication Type:	simple 💌										
System Status Health of Running Servers	🚱 Entity Id:	ENT1										
		LINIT										
Faled (0) Critical (0) Overloaded (0)	🎉 Ldap Domain Name:	OFSS.COM										
Warning (0) OK (3)	🗐 🎳 Ldap SSLEnabled											
	📃 👸 Msad Or Ldap Login Required											
	🎉 Authentication Type:	MSAD 💌										
	Save											
Weblack Construction (2.24.6.6	·											
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- 13. Create the new datasource for each entity with the JNDI name which we mapped in the property file.
- 14. Restart the Admin server
- 15. Continue the step1 to step15 for each provider creation in multientity scenario.

1.2.5 Configuring DBAdapter

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

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

Change Center		Home I	Log Out Prefere	nces 🔤 Record Help		Q				1	Velcome, weblogic	onnected to: Dev1201_dor
/iew changes and restarts	Hor	me >Su	mmary of Depk	yments								
			of Deploymen									
Configuration editing is enabled. Future hanges will automatically be activated as you				6								
nodify, add or delete items in this domain.	Con	itrol	Monitoring									
omain Structure				()								
/1201_domain				f Java EE applications and from the domain by first s						nstalled applicatio	ns and modules can be s	tarted, stopped, updated
Environment							-					
-Deployments -Services	To	install	a new applicatio	n or module for deployme	nt to targets in t	this domain,	click the Insta	all button.				
-Security Realms												
-Interoperability	🕞 Ci	ustom	ize this table									
Diagnostics	De	ploym	ents									
					op v							
	1	nstall	Update	Delete Start - Sto	yb ∧ di						Showing 1	to 47 of 47 Previous Next
	E	Na	me 🗇					State	Health	Туре	Targets	Deployment Order
	E	1 @'	AqAdapter					Active	🖋 ок	Resource Adapter	soa_server1	324
w do I 🗉	-		- halve						✓ ок	Enterprise		
Install an enterprise application	E							Active	✓ OK	Application	soa_server1	313
Configure an enterprise application	E		BamCompose	r				New		Enterprise Application	bam_server1	500
Update (redeploy) an enterprise application		-	-0									
Start and stop a deployed enterprise application	E] ■	BamCQServic	e				New		Enterprise Application	bam_server1	300
Monitor the modules of an enterprise application	E) H	BamServer					New		Enterprise Application	bam_server1	400
Deploy EJB modules		_								Enterprise		
Install a Web application	E] ≞	BPMCompose	r				Active	🖋 ОК	Application	soa_server1	385
stem Status 🖂	E	I @	coherence-trans	action-rar				Active	🖋 ок	Resource Adapter	AdminServer, bam_server1, soa_ser	ver1 100
alth of Running Servers	E	1 0	CoherenceAdap	er				Installed		Resource Adapter		331
Failed (0) Critical (0)	E	1 🚳	DbAdapter					Active	🖋 ок	Resource Adapter	soa_server1	322
Overloaded (0) Warning (0)	E) E	DefaultToDo	askFlow				Active	🖋 ок	Enterprise Application	soa_server1	314
OK (2)	E) H	DMS Applicat	on (12.1.3.0.0)				Active	🖋 ок	Web Application	AdminServer, bam_server1, soa_ser	ver1 5
	E) E	⊡ ^{em}					Active	🖋 ок	Enterprise Application	AdminServer	400
		-							-			



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

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

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

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

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



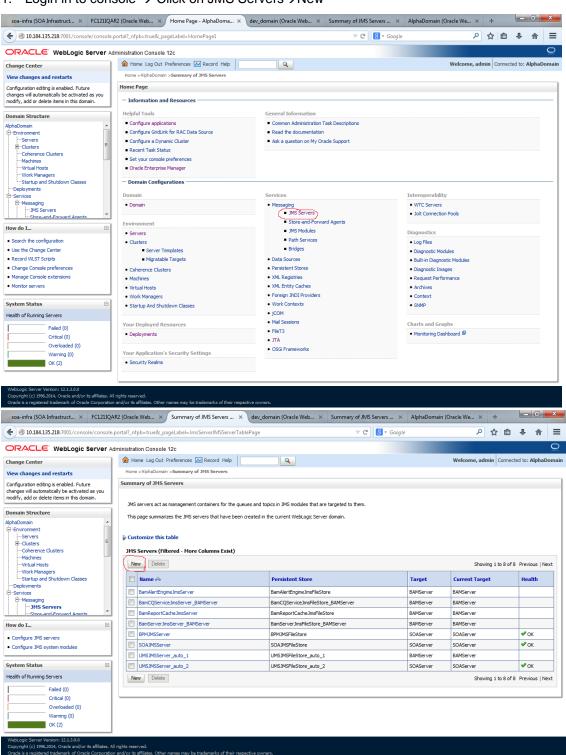
hange Center	1 Home	Log Out Prefer	rences 🔛 Re	ecord Help		Q		Welcon	ne, weblogic Connected to: Dev1201_dom		
/iew changes and restarts	Home >S	ummary of Deplo	yments > DbAd	lapter							
Configuration editing is enabled. Future	Settings f	or javax.reso	urce.cci.Conr	nectionFactory							
hanges will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

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



1.2.6 Configuring JMS Adapter

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





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

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

3. Select the target as SOA Server \rightarrow Finish

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

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



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

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Avantam Structure → Environment → Servers → Coherence Custers → Coherence Custers → Coherence Custers → Coherence Custers → Wrtual Hosts → Wrtual Hosts → Wrtual Studiow Classes → Derivers → Servers → Environ → Servers ↓ → NS Servers ↓ → Servers Search the configuration ↓ Search the configuration	igure applications gure Gridlurk for RAC Data Source (gure a Dynamic Cluster It Task Status le Enterprise Manager ain Configurations	Read the documentation Adk a question on My Oracle Support Services Messaging	WTC Servers		
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Work Managers Startup and Shutdown Classes Deployments Services Services Servers Servers Servers Servers Servers Server	ain Configurations	Messaging	WTC Servers		
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Search the configuration Ouse the Change Center		Store-and-forward Agents JMS Modules	Diagnostics		
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a lucasa in	 Server Templates 	 Bridges 	Diagnostic Modules		
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• Work	Managers	 Foreign JNDI Providers 	Context		
iystem Status 📼 🔹 Starb	up And Shutdown Classes	Work Contexts	SNMP		
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nfiguration editing is enabled. Future anges will automatically be activated as you dify, add or delete items in this domain.	Summary of JMS Modules	ates, destina	tion key	s, quota	
main Structure	distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system				
EnvironmentServersServers	This page summarizes the JMS system modules that have been created for this domain.				
Virtual Hosts	JMS Modules				
Work Managers Startup and Shutdown Classes	New Delete	Showing 1 t	o 8 of 8	Previo	us Nex
Deployments Services İa-Messaging	□ Name ↔	ту	pe		
JMS Servers	BamAlertEngineJmsSystemModule	Sys	tem		
Store-and-Forward Agents	BamCQServiceJmsSystemResource_BAMServer	Sys	tem		
v do I	BamReportCacheJmsSystemModule	Sys	tem		
	BamServerJmsSystemResource	Sys	tem		
onfigure JMS system modules onfigure resources for JMS system modules	BPMJMSModule	Sys	item		
onfigure resources for JMS system modules	SOAJMSModule	Sys	tem		
tem Status 🖂	UMSAQJMSSystemResource	Sys	tem		
Ith of Running Servers	UMSJMSSystemResource	Sys	tem		
Failed (0)	New Delete	Showing 1 t	o 8 of 8	Previo	us Nex
Critical (0)					
Overloaded (0) Warning (0)					
OK (2)					

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

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View changes and restarts	Home >AlphaDomain >Summary of JMS Servers >Summary of JMS Modules
Configuration editing is enabled. Future	Create JMS System Module
changes will automatically be activated as you modify, add or delete items in this domain.	Back Ned Finish Cancel
Domain Structure	The following properties will be used to identify your new module.
AlphaDomain Environment Servers Ousters -Costers Wachines With Hosts	INS system resources are configured and stored as modules similar to standard JZEE modules. Such resources include queues, topics, connection factories, templates, destination keys, quota, distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage JMS system modules as global system resources.
	What would you like to name your System Module?
Deployments EServices	*Name: FCUBSJMSModule
-MessagingJMS Servers	What would you like to name the descriptor file name? If you do not provide a name, a default will be assigned.
How do I	Descriptor File Name:
Configure JMS system modules	Where would like to place the descriptor for this System Module, relative to the jms configuration sub-directory of your domain?
Configure JMS servers	Location In Domain:
System Status	Back Next Finish Cancel
Health of Running Servers	
Faied (0) Critical (0) Overloaded (0) Warning (0) CK (2)	
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Change Center	🏦 Home Log Out Preferences 🖂 Record Help 🛛 🔍 Welcome, admin Connected to: AlphaDomain
View changes and restarts	Home >AlphaDonain >Summary of JMS Servers >Summary of JMS Hodules
Configuration editing is enabled. Future changes will automatically be activated as you	Create JHS System Hodule
modify, add or delete items in this domain.	Back Next Finish Cancel
Domain Structure	The following properties will be used to target your new JMS system module.
AlphaDomain	Use this page to select the server or duster on which you would like to deploy this JMS system module. You can reconfigure targets later if you wish.
Servers ⊞-Clusters ≡	
Coherence Clusters	Targets :
Machines	
Work Managers Startup and Shutdown Classes	Servers
Deployments	AdminServer
⊖-Services ⊖-Messaging	
JMS Servers	BAMServer
How do I	☑ S0AServer
Configure JMS system modules	Back Next Frith Cancel
Configure JMS servers	Back Next Frith Cancel
System Status 🖂	
Health of Running Servers	
Failed (0)	
Critical (0) Overloaded (0)	
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♦ @ 10.184.135.218:7001/console/console.por	tal?_nfpb=true&_pageLabel=JMSSystemModuleConfigGeneralPage&JMSSystemModuleConfigGen 🛡 🕑 🗕 - Google 🔎 🏠 🖻 🌻 🏫 🗮

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



6. Go back to JMS Modules→FCUBSJMSModule→New

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Change Center	🙆 Home Log Out Preferences 🔤 F	Record Help	Q	Welcome	e, admin Connected to: AlphaDomain
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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 I	Votes		
Domain Structure					
AlphaDomain	This page displays general informatio	n about a JMS system m	odule and its resources. It also allows you to	configure new resources and access existing resources.	
Clusters Coherence Clusters	Name:	FCUE	SJMSModule	The name of this JMS system module. Mo	re Info
Machines Virtual Hosts	Descriptor File Name:	. More Info			
Work Managers Startup and Shutdown Classes Oeployments Oevices OHessaging H=Messaging H=MS Servers HStree-and-Forward Anents Stree-and-Forward Anents	This page summarizes the JMS resour destination quota, distributed destina Customize this table Summary of Resources			zue and topic destinations, connection factories, JMS temp	lates, destination sort keys,
How do L					
No task help found.	New Delete				Showing 0 to 0 of 0 Previous Next
	🔲 Name 🙈	Туре	JNDI Name	Subdeployment	Targets
System Status			There are no items t	o display	
Health of Running Servers	New Delete			2	Showing 0 to 0 of 0 Previous Next
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)					
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affliates. Al					

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

	portal? nfpb=true& pageLabel=JmsCreateSystemModuleEntity&UmsCreateSystemModuleEntit	tyPortlet 🔻 C 🚼 - Google 👂 🏠 🏚 🐥 🏫
nge Center	Home Log Out Preferences 🔤 Record Help	Welcome, admin Connected to: AlphaDo
v changes and restarts	Home > AlphaDomain > Summary of JMS Servers > Summary of JMS Modules > FCUBSJMSModule > Summ JMS Modules > FCUBSJMSModule	nary of JMS Modules >FCUBSJMSModule >Summary of JMS Modules >FCUBSJMSModule >Summary of
iguration editing is enabled. Future ges will automatically be activated as you fy, add or delete items in this domain.	Create a New JMS System Module Resource	
ain Structure	Back Next Finish Cancel	
Domain ^	Choose the type of resource you want to create.	
nvironment Servers ₽-Clusters	Use these pages to create resources in a JMS system module, such as queues, topics, templates,	
Coherence Clusters Machines Virtual Hosts Work Managers	Depending on the type of resource you select, you are prompted to enter basic information for cra factories, distributed queues and topics, foreign servers, and JMS SAF destinations, you can also targetable resources with subdeployments, which is an advanced mechanism for grouping JMS mo	proceed to targeting pages for selecting appropriate server targets. You can also associate
Startup and Shutdown Classes eployments ervices	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info
Store-and-Enrward Agents	O Queue	Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More info
do I Infigure quotas for destinations Infigure JMS templates	🔘 Торіс	Defines a publish/subsorbe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info
nfigure destination keys nfigure topics nfigure queues	Distributed Queue	Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS clients. More Info
nfgure connection factories nfgure uniform distributed topics nfgure uniform distributed queues	Distributed Topic	Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients. More Info
nigure annorm assinguted queues nigure foreign servers nigure JMS SAF	Source Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info
em Status 🖂	🛇 Quota	Controls the allotment of system resources available to destinations. More Info
n of Running Servers Failed (0)	Destination Sort Key	Defines a unique sort order that destinations can apply to arriving messages. More Info
Critical (0) Overloaded (0) Warning (0)	🔘 JMS Template	Defines a set of default configuration settings for multiple destinations. Mo Info
OK (2)	SAF Imported Destinations	Defines a collection of imported store-and-forward (SAF) destinations. A SAF destination is a representation of a queue or topic in a remote server instance or cluster that is imported into the local cluster or server instance, so that the local server instance or cluster can send messages to the remote



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

8. Select Advanced targeting→create New Sub Deployment with the below Name→Select the target as JMS server which we have created on top→Finish

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

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

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Servers E B-Clusters E Coherence Clusters E Machines E Wirtual Hosts E Work Managers	Use these pages to create resources in a JMS system moduli Depending on the type of resource you select, you are prom factories, distributed queues and topics, foreign servers, an targetable resources with subdeployments, which is an adva	pted to enter basic information for d JMS SAF destinations, you can als	reating the resource. o proceed to targeting	. For targetable g pages for sele	ecting appropriate server targ				n	ľ
Startup and Shutdown Classes	Connection Factory				of connection configuration p ctions for JMS dients. More		rs that a	are used to		
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OK (2)	SAF Imported Destinations			SAF destinati instance or d so that the lo	ection of imported store-and- ion is a representation of a qu luster that is imported into the ical server instance or cluster ce or cluster. More Info	ieue or t e local du	opic in a ister or s	remote ser ierver insta	ver nce,	
	Remote SAF Context			destination is	JRL of the remote server insta exported from. It also contai d and authorized in the remot	ins the s	ecurity o	redentials t		
	SAF Error Handling				ction to take when the SAF s stinations. More Info	ervice fa	is to for	ward messa	iges	
	Back Next Finish Cancel									
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Oracle and/or its affilates. All r Oracle is a registered trademark of Oracle Corporation a	ights reserved. Ind/or its affiliates. Other names may be trademarks of their respective	e owners.								-

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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Domain Structure	JMS Destination Prope	arties							
(⊡-Environment ⊡-Servers ⊡-Clusters ≡	The following properties w	ill be used to identify your n	ew Queue. The current module is FCUB	5JMSModule.					
Coherence Clusters	* Indicates required fields								
Virtual Hosts Work Managers Startup and Shutdown Classes	* Name:	NOTIFY_DEST_QUI	EL						
DeploymentsServicesMessaging	JNDI Name:	jms/NOTIFY_DEST_	QUEUE						
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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 -Messaging	Descriptor File	Name:		jms/	fcubsjmsmodule-jm	xml	The name of	the JMS module descriptor file.	More Info		
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- Please create queue MDB_QUEUE_RESPONSE with JNDI name as jms/MDB_QUEUE_RESPONSE, queue eis/jms/ORGateway with JNDI name as eis/jms/ORGateway, and queue FAULT_QUEUE_RESPONSE with JNDI name as jms/FAULT_QUEUE_RESPONSE as above in console within FCUBSJMSModule.(Follow step 8-9 in 1.2.6)
- 12. Go to Console→Deployment→JmsAdapter→Configuration→Outbound Connection Pool→Expand oracle.tip.adapter.jms.IJmsConnectionFactory→New→Provide JNDI as 'eis/Queue/Notif'→next→Finish



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13. Click on the Outbound connection pool with **eis/Queue/Noti**f and enter the connection factory location as **jndi/FCUBSConnectionfactory**→press Enter and Save

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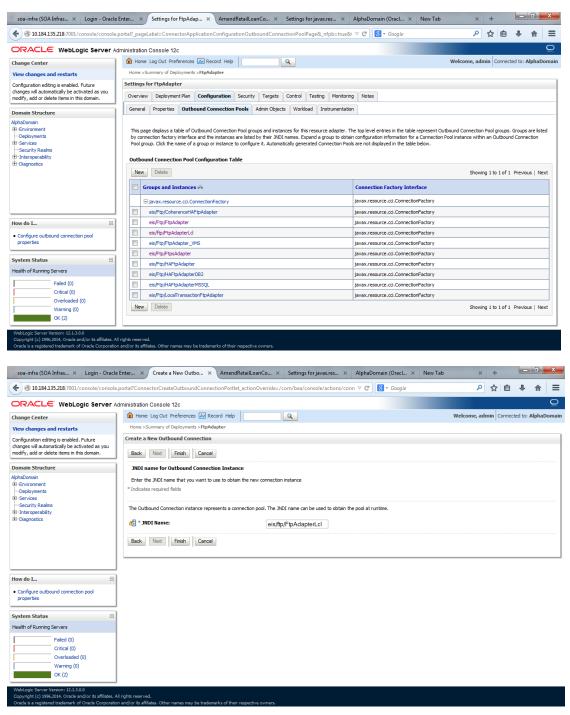
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15. Create the out bound connection pool with the **eis/wls/Queue** name in the Deployments using connection factory jndi/FCUBSConnectionfactory.



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.

Change Center	🟦 Home Log Out Preferences 🔤 Rec	ord Help	Welcome, weblogic Connected to: bifoundation_dom
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to pending changes exist. Click the Release configuration button to allow others to edit the fomain.	Settings for myrealm Configuration Users and Groups	Roles and Policies Credential Mappings Providers Migration	
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Warning (0)			
OK (2)			

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



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

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

or

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

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

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



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userrole_xml	* 📄 hostds	n_xml	·			Show all downloads ×

- 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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		BIAdministrator	BI Administrator Role			
	(BIAuthor	BI Author Role			
		BIConsumer	BI Consumer Role			
		BIReportViewer	FCUBS Consumer Role			
		ALLROLES	ALLROLES	ALLROLES		
		authenticated-role	Authenticated Role			
		anonymous-role	Anonymous Role			
				OK Cancel		

• 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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	3					

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

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💼 userrole_xml 👻 💼 hostdsn_xml 🔻				₽ <u>Sho</u>	ow all downloa	<u>ıds</u> ×



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

16. Add the fcubs roles to allowed Roles under security

ORACLE BI Publisher Enterprise		Search All	~	۲	Administration	Help ∽	Sign Out
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Backup Data Source							
✓TIP To enable access to a backup data source, please check th Connection String Username	e Use Backup Data Source checkbox and e	enter the necessary connection info	prmation.				
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Security							
Allow Guest Access	Available Roles BI Administrator Role BI Author Role BI System Role FOURS Consumer Role	Allowed Roles More All Roles More All Commerce All Remove All	 (a) (b) (c) <li(c)< li=""> <li(c)< li=""> <li(c)< li=""> (c)</li(c)<></li(c)<></li(c)<>				

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



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

1.2.8 BAM Report Configuration settings

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

Change Center		Hon	ne Log Out Preferences 🔤 Record Help		Q		We	lcome, weblogic	Connected to: dev_dom
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ev_domain			age displays a list of Java EE applications and st d, stopped, updated (redeployed), or deleted						
- Environment									
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Security Real Deployments, Level 1, 2 of 6, Sel)							
- Interoperability - Diagnostics		Custo	omize this table						
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 Start and stop a deployed enterprise application 			BamCQService		Active	🛩 ок	Enterprise Application	bam_server1	300
 Monitor the modules of an enterprise application 			BamServer		Active	🛩 ок	Enterprise Application	bam_server1	400
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system Status E			coherence-transaction-rar		Active	🛩 ок	Resource Adapter	AdminServer, bam_server1, soa_server1	100
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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			
Change Center	🏠 Home Log Out Preferences 🔤 Record Help		Welcome, weblogic Connected to: dev_domai
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Configuration editing is enabled. Future changes will automatically be activated as you	Settings for BamComposer		
modify, add or delete items in this domain.	Overview Deployment Plan Configuration	Security Targets Control Testing Mor	hitoring Notes
Domain Structure	Application Workload Instrumentation		
dev_domain	Save		
Deployments Services Security Realms	This page describes the configuration information	that is currently defined in the deployment plan	for the selected module or component.
Interoperability Diagnostics	Session cookies max age (in seconds):	-1	The life span of the session cookie (in seconds) after which it expires on the client. The value '-1' indicates that the cookie will persist until the client's browser shuts down. More Info
	Session Invalidation Interval (in seconds):	60	The time (in seconds) that WebLogic Server waits between doing house-cleaning checks for timed-out and invalid sessions, and deleting the old sessions and freeing up memory. 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
Start and stop a deployed enterprise application	Maximum in-memory Sessions:	-1	The maximum number of sessions to retain in memory. The value '-1' indicates that there is no limit. More Info
Configure an enterprise application Target an enterprise application to a server System Status	Monitoring Attribute Name:		Specifies the name of a session attribute which is tagged with session information. For example, if this value is set to username, then the username attribute is guaranteed to be unique. More
Health of Running Servers			Info
Failed (0) Critical (0)	Save		
Overloaded (0) Warning (0) OK (3)			
WebLogic Server Version: 12.1.3.0.0 Copyright (c) 1996,2014, Orade and/or its affiliates. Al Orade is a registered trademark of Orade Corporation	I rights reserved. and/or its affiliates. Other names may be trademarks of their rer	spective owners.	

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

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omain Structure	Save									
v_domain Environment - Deployments - Services - Security Realms	plan, and so		the end of the pa	ige lists the						the application files, the associated deployment contained in the enterprise application. Click on the
·· Interoperability ·· Diagnostics	Name:		BamComposer					The	e name of	this enterprise application. More Info
	Path:		/ scratch/ app/ fr BamComposer. ea		Idleware/ s	oa/ bam/ a	pplications/			the source of the deployable unit on the n Server. More Info
	Deployment		/ scratch/ app/ fr Plan3. xml	nw12c/ Mic	ldleware/ s	oa/ bam/ a	pplications/			the deployment plan document on the n Server. More Info
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application Configure an enterprise application Create a deployment plan Target an enterprise application to a server	Plan Staging	Mode:	(not specified)					fror	n a source	ether an application's deployment plan is copied e on the Administration Server to the Managed ing area during application preparation. More info
Test the modules in an enterprise application	Security Mod	lel:	DDOnly							model that is used to secure a deployed re Info
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	Save									
	Modules and	1 Components								

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

<variable>

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



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



7. Stop the BAM composer application in console.

Services Security Realms Interoperability Dagnostics	1	istomi	ze this tabl	e							
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	8	@F	ileAdapter				Active	🛩 ок	Resource Adapter	soa_server1	321
	-	Œ	ð ^{frevvo}				Installed		Enterprise Application		100
			tnAdanter				Active	🗸 ОК	Resource	soa server1	325

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



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Warning (0) OK (3)	2	Default ToDo TaskFlow	Active	🛩 ок	Enterprise Application	soa_server1	314
OK (3)			Active	🛩 ок	Web Application	AdminServer, bam_server1,	5

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

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

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



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dev_domain	Select or enter a d	leployment 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 affliates. All Orade is a registered trademark of Orade Corporation a		ames may be trademarks o	f their respective owners.							

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12. Restart the BAM Composer application in the console



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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						
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		OMS Application (12.1.3.0.0)		Active	≪ок	Web Application	AdminServer, BAMServer, SOAServer	5

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

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

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



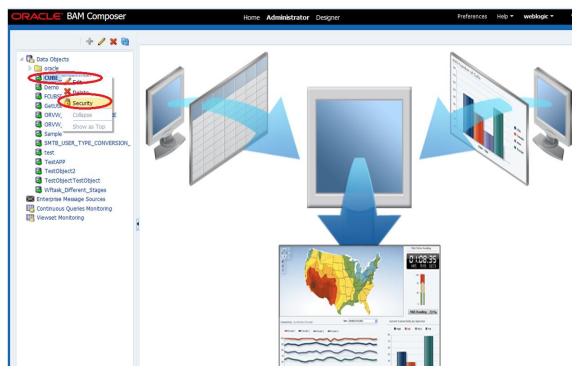
ORACLE Enterprise Manager Fusion Middleware Cont	rol 12c	👥 weblogic 👻 🔘
Target Navigation	BamServer ()	Logged in as weblogic 🗐 ofss2221222.in.oracle.com
View 🕶	🔂 Business Activity Monitoring 🕶	Page Refreshed Jul 23, 2015 11:20:30 AM IST 💍
Capital Control Contr	Create Application Role General Application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

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





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



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

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



20. Move the ALLROLES-000 to Selected members.

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OKVY_TRACK_EXPOSINE Sample Som SMTB_USER_TYPE_CONVERSION_ test test	View - + X Detach Role Name Read Write BAMArchitect V V	Name Lat Application Role		
Issuer	BAMContent/Vewer	Available Members Selected Members BPMContent/Jewer ALLROLES-000		
	2. Deny Permission	OK Cancel		
	Vew + K Datach Role Name Read Write No data to deplay			

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

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TestObject2	BAMContentCreator							
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Enterprise Message Sources Continuous Queries Monitoring Viewset Monitoring								
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	Role Name	Read	Write	Remove	Select	Delete	Update	Security
	No data to display							

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



23. Click on Designer →open Project

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

24. Click on FCUBS_BAM_report

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

25. click on FCUBS_BAM_Report →Security



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

26. Click on ADD button Under Grant Permission.

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



ORACLE BAM Composer		Home Ad	ministrator Desi	gner		Preferences	Help 🔻	weblo	gic + C
FCUBS_BAM_Report 🔳	FCUBS_BAM_Report ((Security) ×							🧿 🖾 ▾
	🔁 Security						i	62	Save
 Data Objects Business Queries KPIs Business Views Business Views Boshboards 	Full Name /proj Owner Type USER Owner Name webl		eport						
🔏 Alerts	1. Grant permission								-
> 📾 Parameters	View - 4 X	detach							
	Dala Mama	Deed	uns and Users	Remove	Security				
	BAMContencereact								
	BAMContentViewe	er 🔽							
	2. Deny Permission								
	View 👻 👍 💥	detach							
	Role Name	Read	Write	Remove	Security				
ofr22212222404/ham/compose/face/dationast	No data to display								

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

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



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

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

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

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



1.2.9 IPM configuration to edit the document

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

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

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

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

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

.

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



ORACLE WebLogic Server®	Administration Console	0		Q
Change Center	🙆 Home Log Out Pre	ferences 🔤 Record Help	Q	Welcome, weblogic Connected to: IPM_domain
View changes and restarts	Home			
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.	Create a New Group			
Domain Structure	Group Properties			
IPM_domain (#) Environment Deployments (#) Services	The following properti * Indicates required field	es will be used to identify your new Gr ds	oup.	
Security Realms Theroperability	What would you like to	name your new Group?		
Diagnostics	* Name:	IPMUserGroup		
	How would you like to a	describe the new Group?		
	Description:	User group for IPM		
	Please choose a provid	er for the group.		
How do L	Provider:			
Create groups	Provider.	DefaultAuthenticator -		
Modify groups	OK Cancel			
Delete groups				
Create users				
Manage users and groups				
System Status				
System status -				
Health of Running Servers				
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (3)				
WebLogic Server Version: 10.3.6.0 Copyright © 1996, 2011, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. and/or its affiliates. Other nar	mes may be trademarks of their respectiv	e owners.	

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

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

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



ORACLE WebCenter Content: I	Imaging	Logged in as weblogic Help Refresh Preferences Logout About	2
E ∰ Searches COL_D 2 ← Tools 2 ← Honore Searches E → Honore Searches E → Honore Applications 3 2 ← Honore 4 3 ← Honore 4 4 ← Honore 4	Imaging FLEXCIBE: Application Summary USCRIME Application Seammary USCRIME Application Seammary USCRIME Seammary Seammary Seammary Seammary Seammary Seammary Seammary Seammary	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	Lagged in as weblogic Help Refresh Preferences Lagout About	õ
E Searches	B B Constant Security Program Constant Security Program S		
	Create Application: Document Security Provide accuracy upto for the splication's cortext. Select "last" when you have finished with document security. Inter: The 'Grant Access' security right automatically corters: Write' and $\frac{1}{2}$ Add (1) Cruz W Remone		Cancel Back Next Submit
al 🖗 Tools D 🗣 Manage Searches 🛛 🔮 USEP_ID	Tor Skruth Notee Ver Intr. Data: Onto State Autor Auto		
S Si Manage Applications 3	ter fer politik to send for analysis spurch reserving. The first politik to send the send of the send		
	At Cont		
E G Manage Inputs E Manage Connections E Manage Scanty			
Copyright (c) 2010, 2015 Oracle and/or its affiliates. All righ	ta reserved.		Privacy Statement



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

ORACLE WebCenter Conten	t: Imaging					Logged in as	sweblogic Help R	efresh Pre	ferences Logout	
										-
🗉 🔁 Searches	USER_ID: Search Summary								🥖 Modify 🗙 Delet	e 関 Close
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🗉 🖻 Manage Applications	7/4/2014 Definition Modify	weblogic								
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	7/4/2014 Definition Modify	weblogic								
Generations	7/4/2014 Definition Modify	weblogic								
Manage Security										

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



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

9. Copy the FCJJPSProvider.jar to location

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

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

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

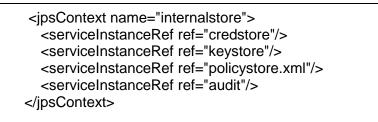
b. Similarly, Search for '<serviceInstances>' tag and add the following code between '<serviceInstances>' and '</serviceInstances>' tags.

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



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

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



1.2.10 Configuring Superviser Roles in EM

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

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



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

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

 10184133168:7401/em/faces/as/security/appRoles/Main/type=oracle_soainfra&target=/Domain_soa_domain/soa_domain/soa_server1/soa-infra#

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

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



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

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

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

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



6. Click Ok .

1.2.11 Email Driver Configuration

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

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

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

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



CRACLE Enterprise Manager Fust	on Middleware Control 12c	🔬 webłogi: 🔻 🔘
Target Navigation	termessagingdriver-email ③ Set User Messaging Email Driver ▼	Logged in as weblogici 📗 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:09:57 AM 15T 💍
Application Deployments SOA SOA Business Activity Monitoring	Edit Driver Properties	OK Cancel
 ▶ Metadata Repositories ▲ Wetadata a 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	E
Default From Address	Deprecated. Use Default Sender Address instead. The default FROM address (if one is not provided in the outgoing message).			xxx@xxx.com	
Outgoing Username	The username used for SMTP authentication. Required only if SMTP authentication is supported by the SMTP server.				
	The energy of the CMTD				

13. Navigate to SOA Administration ->Workflow Properties

ORACLE	Enterprise Manager Fus	ion Middleware Control 12c	👥 weblogic 🔻 🔘
📲 WebLogic Domain 🕇	-		
Target Navigatio		থি soa-infra © ঈৣ SOA Infrastructure ▼	Logged in as weblogic 🗍 ofss2221222.in.orade.com Page Refreshed Jun 11, 2015 11:15:16 AM IST 🕻
 Application Depl SOA SGA <		Hailer Task. Information All changes made in this page require a server restart to take effect. Workflow Notification Properties Before configuring the Workflow Notification, configure the Messaging Service Driver. Go to the Messaging Driver page * Notification Mode Email Notification Service Email	Ø Related Links ▼ Apply Revert
嶺 usermessa	Service Engines Bindings Services and References Business Events	* Email : From Address XxX@XXX.com * Email : Actionable Address gggg@ggg.com * Email : Reply To Address XXX@XXX.com	
	SOA Administration Security Administration Target Information	Common Properties cation Configuration Properties BPEL Properties BPNN Properties Workflow Properties Workflow Properties	
		828 Server Properties Cross References Taken Configurations Auto Purge	

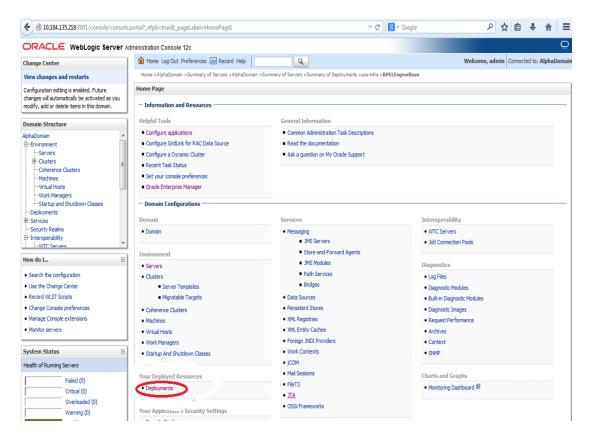
14. Select the notification mode as Email/ALL and enter the from address Actionable address and reply to Address.



1.2.12 TimeOut Settings for BPEL

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

2. Click on Deployments





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

Security Realms	Name 🕎	State	Health	Туре	Targets	Deployment Order
-Interoperability	forade.wsm.console.core.view(1.0, 12. 1. 3.0)	Active		Library	AdminServer	311
low do I	orade.wsm.seedpolicies(2.0, 12.1.3)	Active		Library	AdminServer, BAMServer, SOAServer	100
Install an enterprise application Configure an enterprise application	♂OracleAppsAdapter	Active	🖋 ок	Resource Adapter	SOAServer	328
Update (redeploy) an enterprise application Start and stop a deployed enterprise	♂ OradeBamAdapter	Installed		Resource Adapter		329
application Monitor the modules of an enterprise application	CradeBPMBACServerApp	Active	🖋 ок	Enterprise Application	SOAServer	384
Deploy EJB modules Install a Web application	ToradeBPMComposerRolesApp	Active	🗸 ок	Enterprise Application	SOAServer	382
ivstem Status	CradeBPMProcessRolesApp	Active	🗸 ок	Enterprise Application	SOAServer	381
Health of Running Servers	CracleBPMWorkspace	Active	🖋 ок	Enterprise Application	SOAServer	383
Failed (0) Critical (0)	orail8n-adf(11,11.1.1.0)	Active		Library	AdminServer, BAMServer, SOAServer	100
Overloaded (0) Warning (0)	💑 owasp.esapi(2.0, 12. 1. 3)	Active		Library	AdminServer, BAMServer, SOAServer	100
OK (2)	SAPAdapter	Installed		Resource Adapter		335
	[] [] Simple Approval TaskFlow	Active	🖋 ок	Enterprise Application	SOAServer	386
	🖲 📑 soa-infra	Active	🖋 ок	Enterprise Application	SOAServer	350
	Coso-webapps	Active	🖋 ок	Enterprise Application	SOAServer	360
	👘 soa.em	Active		Library	AdminServer	100
	SocketAdapter	Installed		Resource Adapter		326
	state-management-provider-memory-rar-12, 1.3	Active	🖋 ок	Resource Adapter	AdminServer, BAMServer, SOAServer	100
	UIX(11,12.1.3.0.0)	Active		Library	AdminServer, BAMServer, SOAServer	100

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

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



Workflow Task Service Properti × Se	ettings for BPELEngineBean 🗙 🜔	http://ofss222nitFilter=true × 🜔 Connecting	× New Tab × +
③ 10.184.135.218:7001/console/conso	ole.portal?_nfpb=true&_pageLabel=EJBCo	mponentConfigurationPage&handle=com.bea.console.handles \triangledown C	f 🔀 = Google 🔎 🏠 🖨 🖡 🔒
Virtual Hosts	Name:	BPELEngineBean	The name of this bean. More Info
Work Managers Startup and Shutdown Classes	Туре:	stateless	The EJB type (session, entity, or message). More Info
Deployments B-Services	Transaction Type:	Container	The bean's transaction type. More Info
Security Realms Interoperability	EJB Class Name:	com.collaxa.cube.engine.ejb.impl.bpel.BPELEngineBean	EJB Class Name More Info
ow do I	- Pool Configuration		
Configure Version 2.X EJBs	Initial Beans in Free Pool:	100	The initial number of beans in the free pool. More Info
View deployment status of EJBs Set EJB target servers and dusters Update (redeploy) EJBs Stop EJBs	Max Beans in Free Pool:	1000	The maximum number of beans in the free pool. When an EJB has been in the free pool for the number of seconds specified in Idle Timeout, and the total number of beans in the free pool approaches the maximum beans in free pool specified in this field, idle beans are removed from the free pool. More Info
ystem Status E	Idle Timeout:	0	The maximum length of time (in seconds) an EJB should remain in the cache or free pool before it is passivated or removed. More Info
Failed (0)	- Enterprise Bean Configuration		
Critical (0) Overloaded (0)	Network Access Point:		Custom network channel that the EJB uses for network communications. More Info
Warning (0) OK (2)	Run As Principal Name:		The security principal to be used as the run-as principal for a bean that has security-identity specified in its ejb-jar.xml file. More Info
	Create As Principal Name:		The principal to be used when ejbCreate would otherwise run with an anonymous principal. More Info
	Remove As Principal Name:		The principal to be used when ejbRemove would otherwise run with an anonymous principal. More Info
	Passivate As Principal Name:		The principal to be used when ejbPassivate would otherwise run with an anonymous principal. More Info
	JNDI Name:		The JNDI name of an EJB, resource, or reference in WebLogic Server. More Info
	Local JNDI Name:		The JNDI name for a bean's local Home. More Info
	🚯 Dispatch Policy:		Designates which server execute thread pool the E38 should run in. More Info
	Transaction Timeout:	300	The transaction timeout value, in seconds. More Info
WebLogic Server Version: 12.1.3.0.0	Save		
Dopyright (c) 1996,2014, Oracle and/or its affiliates. Dracle is a registered trademark of Oracle Corpora		Jemarks of their respective owners.	
වු 🥝 🍯 📀	🙉 📀 🔩 č	5 🛃 📝 🗿 🧿 🖉 🖛	🔍 🚞 🧑 🚾 - 🕨 🕫 11:30 AM

5. Go to EJBs→BPEL DeliveryBean→ Configuration→set Transaction TimeOut to 300

B2BUtilityBe	an	EJB	
BAMAction	4DB	EJB	
BeamAction	MDB	EJB	
Bottleneck	DetectionBean	EJB	
BPELActivity	yManagerBean	EJB	
BPELAuditT	raiBean	EJB	
BPELCachef	RegistryBean	EJB	
BPELCaches	StoreBean	EJB	
BPELCluster	Bean	EJB	
BPELDeliver	vBean	EJB	
BPELDispati	H BPELDeliveryBean, Level 3, 20 of 106	EJB	
BPELEngine		EJB	
BPELFinder	3ean	EJB	
	ceManagerBean	EJB	
BPELKeyGe		EJB	
BPELProces		EJB	
BPELSensor	ValuesBean	EJB	
BPELServer		EJB	
BPELTestIn	stanceManager	EJB	
BpmAGProc	essBrokerServiceBean	EJB	
BpmAppSer		EJB	
	jectSecurityService	EJB	
BPMNActivi	yManagerBean	EJB	
BPMNAudit		EJB	
BPMNCluste		EJB	
BPMNDelive	ryBean	EJB	
BPMNDispat		EJB	
BPMNEngin		EJB	
BPMNFinder		EJB	



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

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



· · · ·							
	ministration Console 12c		Q				
Change Center	🏠 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: dev_domain				
View changes and restarts	Home >Summary of Deployments >dev_domain	Web Service Security Notes Logging Log Filters A) configuration of this WebLogic Server domain. 3600 Specifies the maximum amount of time, in seconds, an active transaction is allowed to be in the first phase of a two-phase commit transaction. The specified source of two-phase transaction is automatically role back. More Info 86400 Specifies the maximum amount of time, in seconds, a table transaction is automatically role back. More Info 10 The maximum number of cycles that the transaction manager pressits in attempting to complete the second phase of a two-phase commit transaction. More Info 10 The maximum number of smultaneous in-progress transactions allowed on a server in this WebLogic Server domain. More Info 10000 The maximum number of smultaneous in-progress transactions allowed on a server in this WebLogic Server domain. More Info 100 The maximum number of unique transaction namager preforms the before Completion philosing of the distet of More Info 10000 The internal at which the transaction manager creates a new transaction recovery logs are written even if one or more determiners are configured. More Info 300 The internal at which the transaction recovery logs are written even if one or more determiners are configured. More Info indicates two-phase transaction recovery logs are written even if one or more transaction recovery when a TLog is not present. More Info					
Configuration editing is enabled. Future	Settings for dev_domain						
changes will automatically be activated as you modify, add or delete items in this domain.	Configuration Monitoring Control Security Web	Service Security Notes					
Domain Structure	General JTA JPA EJBS Web Applications Loggi	ng Log Filters					
dev_domain							
Environment Deployments	Save						
Services	Use this page to define the Java Transaction API (JTA) cor	nfiguration of this WebLogic Server d	lomain.				
Security Realms Interoperability							
B-Diagnostics	Timeout Seconds:	3600	Server domain. Server domain. Specifies the maximum amount of time, in seconds, an active transaction is allowed to be in the first phase of a two-phase committee that the specified amount of time explicit amount of the respecified amount of time explicit amount of time information and the second phase of a two-phase commit transaction. More Info The maximum number of cycles that the transaction manager performs the before.complete on synchronization calback for this WebLogic Server domain. More Info The maximum number of smultaneous in-progress transactions allowed on a server in this WebLogic Server domain. More Info The maximum number of fundue transaction manager for Mich statatics are maintained. More Info The interval at which the transaction manager creates a new transaction tog files and checks al old transaction log files to see if they are ready to be deleted. More Info Indicates two-phase transaction recovery logs are written even if one or more determiners are configured. More Info Specifies a list of one or more transaction recovery logs are written even arture of the cords are used during transaction recovery when a TLog is not present. More Info Specifies a list of one or more transaction recovery when a TLog is not present. More Info				
	Abandon Timeout Seconds:	86400	transaction manager persists in attempting to complete the				
How do I • Configure domain JTA options	Before Completion Iteration Limit:	10	performs the beforeCompletion synchronization callback for this				
Configure advanced domain JTA options	Max Transactions:	10000					
System Status Health of Running Servers	Fettings for dee_domain Fettings for dee_domain Configuration Monitoring Control Security Web Service Security Notes General TA 3PA EBS Web Applications Logging Log Filters Security of Defetyments > deer_domain Use the page to define the Java Transaction API (17A) configuration of this WebLop: Server doman. Timeout Seconds: 3600 Security role to define the Java Transaction API (17A) configuration of this WebLop: Server doman. Timeout Seconds: 3600 Security role to define the Java Transaction API (17A) configuration of this WebLop: Server doman. Nandon Timeout Seconds: 3600 Security role to define the Java Transaction API (17A) configuration of this WebLop: Server doman. Nandon Timeout Seconds: 86400 Security role to back. More Info Before Completion Iteration Limit: 10 The reasonum number of role copies transaction ranager progress transaction colack for this WebLop: Server doman. Max Transactions: 10000 The maximum number of role uses in-progress transaction is a server in this WebLop: Server doman. (0) The maximum number of role uses in-progress transaction is given and the dock all of transaction reavery logs are written event from and the reaver of unger transaction reavery logs when determiners configured Max Unique Hame Statistics:						
Failed (0) Critical (0) Overloaded (0)	Checkpoint Interval Seconds:	300	transaction log file and checks all old transaction log files to see if				
Warning (0) OK (4)	Write recovery logs when determiners configured						
	Determiners:		(determiners) separated by line breaks. A determiner's in-doubt transaction records are used during transaction recovery when a				
	✓ Forget Heuristics		Specifies whether the transaction manager automatically performs an XA Resource forget operation for heuristic transaction completions More Info				

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



soa-infra (SOA Infrastructur			http://ofss222nitFilter=true × Connect Ormain_AlphaDomain%2FAlphaDomain%2FSOASe		× +) 自 J	
			entento apraziona intentazi i apraziona intentiona di origi				
RACLE' Enterpr	ise Manager Fusio	n Middleware Control 12c				2	admin 🔻
WebLogic Domain 🔻						. 🔾	
arget Navigation			for soa-infra i i i		Logged in as admin		
/iew ▼			SOA Infrastructure +		Page Refreshed Jun 17, 2	2015 11:36:	JI AM IS
Application Deployments SOA			Dashboard Deployed Composites Flow In	stances Error Hospital			
✓ Soa-infra (S	itoring		Key Configuration	Business Transaction Faults		Searc	h
Ma Amend	-	0]	,				
Amend SOA	Deployment + p	e [1.0]	Profile BPM BASIC ()	Last* 24 🗧 Hours 💌 🍓			Recei
10	age Partitions		Instance Tracking Production ()				
all oper of	k Manager Groups		Default Query Duration Last 24 Hours ()	Refresh region to show the latest data. Click graph	to drill down.		🔏 Wi
BPELCE	equencing Groups		Auto Purge Enabled ()				Ch Al
bpelcvi Serv	rice Engines 🔹 🕨						
Bind BPELLir Bind	ings 🔸			Composites and Adapters Availability			
CIDEPI	ices and References		SOA Runtime Health				
	ness Events			SOAServer 💌		~	
CloseR SOA	Administration	Common Properties				$ \bigcirc$	Composit
	urity 🕨 🕨	BPEL Properties	soa-infra (SOAServer)	✓ No Composite Start-Up Errors			Sensor N
Adm	inistration	BPMN Properties	Initialized Successfully				
	et Information	Mediator Properties	R	No EIS Connectivity Errors			
CRPClosureProc	cess [1.0]	Workflow Properties	i la	All Composites are UP			
CRPProcess [1.	0]	B2B Server Properties		✓ All adapter service endpoints are UP			
CRPProcess [2.		Cross References		All adapter service endpoints are or			
	tCreationWithCreditFacility	Token Configurations	System Backlogs				
DBUtility [1.0]		Auto Purge					
DBUtility [2.0]	ORRetailLoanContract [1.0		Last* 24 🗘 Hours 💽 🔞				
CODE EQEXProcess [1		1					
EXPNProcess [1	-		Refresh region to show the latest data.				
📲 🔒 ExternalValuatio							
	RRetailLoanPayment [1.0]		Messages in Queues:				
	kFCUBSORService [1.0]		BPEL Invoke				
	anContractFCUBSORServic		BPEL Callback				
	anPaymentFCUBSORServic uationFCUBSORService [1.		Mediator Parallel Routing				
KYCCheck [2.0]		0]	-				
KYCCorporateR							
KYCReview [2.0							
LimitReview [1.0							
OpenCurrentAc							
OpenRetaiTerm	Deposit [1.0]		•				



10.184.135.218:7001/em/faces/as/browser/mbeans?Adf-Page-Id=	13&mbeanPa	ttern=oracle.as.soainfra.config%3An	ame%3Dbpel%2C*&targ 🔻 C 🛽 🛛 🕶 Google	م	☆ 自 ♣	♠
ACLE Enterprise Manager Fusion Middleware Contr	-1.40-					admin 🔻
bLogic Domain *	01 120				a a	amin v
ge Center @	4	soa-infra 🕕	Loge	d in as ad	amin 🗐 ofss220692	2 in ora
Changes 🔻 🖂 Recording 👻		SOA Infrastructure 🔻			17, 2015 11:37:36	
changes • 🔝 Recording •		SOA Imasuocure	Fage Relie	aleu Juli	17, 2015 11.57.507	APTE
et Navigation		System MBean Browser				
▼		Application Defined MBean	s: BPELConfig:bpel		Apply	y F
Application Deployments		(1) Information				
SOA			in are not managed by the configuration session. The changes will be applied im	mediately	. You cannot undo the	e chan
😸 soa-infra (SOAServer)		from the Change Center.				
4 🔞 default		Show MBean Information				
4 AmendFCUBSORNFRetailLoanContract [1.0]		Attributes Operations Notifica	tions			
AmendFCUBSORRetailLoanContract [1.0]			Description	Access	Mahaa	
AmendRetailLoanContractFCUBSORService [1.0]		Name	a separate location from the rest of the instance scope data	Access	value	
역 BIPUtility [1.0] 에너 BPELCOLLATProcess [1.0]			specify the number of invoke messages that can be kept in the			
Ma BPELCRPClosureProcess [1.0]			in-memory cache, once the engine hits this limit, it would push the agesIr message to dispatcher in-memory cache, instead it would save the	RW	100000	
BPELCRPProcess [1.0]		22 MaximuminumberOtInvokemess	message to dispatcher in-memory cache, instead it would save the message in the db and these saved messages can be recovered using	RW	100000	
w bpelcynprocess [1.0]			recovery job, you can use value -1 to disable			
BPELLimitReview [1.0]		23 MaxRecoverAttempt	This value specifies the maximum number of times an invoke or callback	RW	2	
G CIBLProcess [1.0]			or activity will be recovered The minimum time duration for BPEL to do a real wait that involves a			
GoseFCUBSORRetailLoanContract [1.0]	=	24 MinBPELWait	dehydration	RW	2	
CloseRetailLoanContractFCUBSORService [1.0]	•	25 objectName	The MBean's unique JMX name	R	oracle.as.soainfra.c	config
COLLATProcess [1.0]		26 OneWayDeliveryPolicy	Changes whether the one-way invocation messages are delivered	RW	async.persist	
CRDCProcess [1.0]		QualityOfService	flag to enable or disable coherence cache for bpel service engine. use	RW	DirectWrite	
Q CreditBureauBPEL [1.0]			CacheEnabled for enabling coherence. flag to enable or disable coherence cache for boel service engine when			
어울 CreditBureauHandler [1.0] 여읍 CRPClosureProcess [1.0]		28 QualityOfServiceAuditStorePoli	syUsel auditStorePolicy is set to async	RW	false	
CRPClosureProcess [1.0]		29 OualitvOfServiceOneWavDelive	fina to opphilo or displic scheronce states for bool service engine when	RW	false	
CRPProcess [2.0]		· · · · · · · · · · · · · · · · · · ·	oneWayDeliveryPolicy is set to async			
CurrentAccountCreationWithCreditFadility [1.0]		30 ReadOnly	If true, it indicates that this MBean is a read only MBean.	R	false	
BBUtility [1.0]		31 RecoveryConfig	Recovery Configuration	RW	javax.management	oper
BUtility [2.0]		32 RecurringMaxMessageRaiseSize		RW	50	
DisburseFCUBSORRetailLoanContract [1.0]		33 RestartNeeded	Indicates whether a restart is needed.	R	false	
Q EQFXProcess [1.0]		34 SpecCompliance	Sets how the implementation is compliant to the spec	RW	suggest	
B EXPNProcess [1.0]		35 StartupMaxMessageRaiseSize	Number of messages to recover during startup recovery	RW	50	
CarternalValuation [2.0]		36 StatsLastN	The size of the "most recently processed" request list	RW	-1	
Q InitiateFCUBSORRetailLoanPayment [1.0]		37 SyncMaxWaitTime	The maximum time a request/response operation will take before it times out. The default value is <u>45 seconds</u> .	RW	45	
		38 SystemMBean	If true, it indicates that this MBean is a System MBean.	R	false	
InitiateRetailLoanContractFCUBSORService [1.0] InitiateRetailLoanPaymentFCUBSORService [1.0]		39 ValidateXMI	If set to "true" the engine will apply schema validation for incoming and	RW	false	
Ma InitiateRetailLoanPayment-CUBSORService [1.0] Ma InitiateRiskEvaluationFCUBSORService [1.0]			outgoing xml documents. The default value "false".			
W KYCCheck [2.0]		40 Version	version of the config file	R	11.1.0	
KrCcrporateReview [2.0]		41 Visible	If true, it indicates that this MBean is visible to current user.	R	true	



1.3 Integrating Oracle FLEXCUBE UBS and Scheduler

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

1.3.1 Running Backend Scripts

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

Follow the steps given below:

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

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

1.4 Integrating Oracle FLEXCUBE UBS and BIP Reports

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

1.4.1 Deploying Application Through Application Server's Admin Console

Deployment from Weblogic Administration Console

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

1.5 Integrating Oracle FLEXCUBE UBS and MBean

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

1.5.1 Startup Script Modification

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

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

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



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

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

Now, the details will look like this:

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

```
Dtoplink.xml.platform=oracle.toplink.platform.xml.jaxp.JAXPPlatform
%PROXY_SETTINGS% %SERVER_CLASS% >"%WLS_REDIRECT_LOG%" 2>&1
```

)

e) Restart the Weblogic server.





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