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# 1. Configuring SSL on Oracle Weblogic

## 1.1 Introduction

This chapter details out the configurations for SSL on Oracle Weblogic application server.

## 1.2 Setting up SSL on Oracle Weblogic

To setup SSL on Oracle Weblogic application server, you need to perform the following tasks:

- 1. Obtain an identity (private key and digital certificates) and trust (certificates of trusted certificate authorities) for Oracle Weblogic application server.
- 2. Store the identity and trust. Private keys and trust CA certificates are stored in keystores.
- 3. Configure the identity and trust the keystores for Oracle Weblogic application server in the administration console.
- 4. Set SSL attributes for the private key alias and password in Oracle Weblogic administration console.

## 1.3 <u>Certificates and Keypairs</u>

Certificates are used for validating the authenticity of the server. Certificates contains the name of the owner, certificate usage, duration of validity, resource location or distinguished name (DN), which includes the common name (CN - web site address or e-mail address depending of the usage) and the certificate ID of the person who certified (signs) these information. It also contains the public key and a hash to ensure that the certificate has not been tampered with. A certificate is insecure until it is signed. Signed certificates cannot be modified.

A certificate can be self signed or obtained from a reputable certificate authority such as Verisign, Inc., Entrust.net, Thawte, GeoTrust or InstantSSL.

SSL uses a pair of cryptographic keys - a **public key** and a **private key**. These keys are similar in nature and can be used alternatively. What one key encrypts can be decrypted by the other key of the pair. The private key is kept secret, while the public key is distributed using the certificate.

A **keytool** stores the keys and certificates in a **keystore**. The default keystore implementation implements it as a file. It protects private keys with a password. The different entities (key pairs and the certificates) are distinguished by a unique 'alias'. Through its keystore, Oracle Weblogic server can authenticate itself to other parties.

In Java, a keystore is a 'java.security.KeyStore' instance that you can create and manipulate using the **keytool** utility provided with the Java Runtime.

There are two keystores to be managed by Oracle Weblogic server to configure SSL.

- Identity Keystore: Contains the key pairs and the Digital certificate. This can also contain certificates of intermediate CAs.
- Trust Keystore: Contains the trusted CA certificates.



# 2. Choosing the Identity and Trust Stores

## 2.1 Introduction

Oracle Financial Services Software recommends that the choice of Identity and Trust stores be made up front. Oracle Weblogic server supports the following combinations of Identity and Trust stores:

- Custom Identity and Command Line Trust
- Custom Identity and Custom Trust
- o Custom Identity and Java Standard Trust
- Demo Identity and Demo Trust

Oracle Financial Services does not recommend choosing Demo Identity and Demo Trust for production environments.

It is recommended to separate the identity and trust stores, since each Weblogic server tends to have its own identity, but might have the same set of trust CA certificates. Trust stores are usually copied across Oracle Weblogic servers, to standardize trust rules; it is acceptable to copy trust stores since they contain public keys and certificates of CAs. Unlike trust stores, identity stores contain private keys of the Oracle Weblogic server, and hence should be protected against unauthorized access.

Command Line Trust, if chosen requires the trust store to be specified as a command line argument in the Weblogic Server startup script. No additional configuration of the trust store is required in the Weblogic Server Administration Console.

Java Standard Trust would rely on the cacerts files provided by the Java Runtime. This file contains the list of trust CA certificates that ship with the Java Runtime, and is located in the 'JAVA\_HOME/jre/lib/security' directory. It is highly recommended to change the default Java standard trust store password from 'changeit' (without quotes), and the default access permission of the file. Certificates of most commercial CAs are already present in the Java Standard Trust store. Therefore, it is recommended to use the Java Standard Trust store whenever possible. The rest of the document will assume the use of Java Standard Trust, since most CA certificates are already present in it.

One can also create custom trust stores containing the list of certificates of trusted CAs.

For further details on identity and trust stores, please refer the Oracle Weblogic Server documentation on Securing Oracle Weblogic Server.



# 3. Obtaining the Identity Store

## 3.1 Creating Identity Store with Self-Signed Certificates

Self-signed certificates are acceptable for use in a testing or development environment. Oracle Financial Services does not recommend the use of self-signed certificates in a production environment.

In order to create a self-signed certificate, the genkeypair option provided by the keytool utility of Sun Java 6 needs to be utilized.

## 3.1.1 Creation of Self-signed Certificate

Browse to the bin folder of JRE from the command prompt and type the following command.

The items highlighted in blue are placeholders, and should be replaced with suitable values when running the command.

keytool -genkeypair -alias alias -keyalg RSA -keysize 1024 -sigalg
SHA1withRSA -validity 365 -keystore keystore

In the above command,

- 1. *alias* is used to identify the public and private key pair created. This alias is required later when configuring the SSL attributes for the managed servers in Oracle Weblogic Server.
- 2. *keystore* is used to specify the location of the JKS file. If no JKS file is present in the path provided, one will be created.

The command will prompt for the following attributes of the certificate and keystore:

- 1. **Keystore Password**: Specify a password that will be used to access the keystore. This password needs to be specified later, when configuring the identity store in Oracle Weblogic Server.
- 2. **Key Password**: Specify a password that will be used to access the private key stored in the keystore. This password needs to be specified later, when configuring the SSL attributes of the managed server(s) in Oracle Weblogic Server.
- 3. **First and Last Name (CN)**: Enter the domain name of the machine used to access Banking Trade Finance, for instance, www.example.com
- 4. **Name of your Organizational Unit**: The name of the department or unit making the request, for example, BPD. Use this field to further identify the SSL Certificate you are creating, for example, by department or by physical server.
- 5. **Name of your Organization:** The name of the organization making the certificate request, for example, Oracle Financial Services. It is recommended to use the company or organization's formal name, and this name entered here must match the name found in official records.



- Name of your City or Locality: The city in which your organization is physically located, for example Mumbai.
- Name of your State or Province: The state/province in which your organization is physically located, for example Maharashtra.
- Two-Letter Country Code for this Unit: The country in which your organization is physically located, for example US, UK, IN etc.

The key generation algorithm has been specified as RSA, the key size as 1024 bits, the signature algorithm as SHA1withRSA, and the validity days as 365. These can be changed to suitable values if the need arises. For further details, please refer to the documentation of the keytool utility in the JDK utilized by Oracle Weblogic Server.

#### **Example**

Listed below is the result of a sample execution of the command:

```
D:\Oracle\weblogic11g\jrockit 160 05 R27.6.2-20\bin>keytool -
genkeypair -alias selfcert -keyalg RSA -keysize 1024 -sigalg
SHA1withRSA -validity 365 -keystore D:\keystores\FCUBSKeyStore.jks
Enter keystore password: < Enter a password to protect the keystore >
Re-enter new password: < Confirm the password keyed above>
What is your first and last name?
  [Unknown]: cvrhp0729.i-flex.com
What is the name of your organizational unit?
  [Unknown]: BPD
What is the name of your organization?
  [Unknown]: Oracle Financial Services
What is the name of your City or Locality?
  [Unknown]: Mumbai
What is the name of your State or Province?
  [Unknown]: Maharashtra
What is the two-letter country code for this unit?
  [Unknown]: IN
Is CN=cvrhp0729.i-flex.com, OU=BPD, O=Oracle Financial Services,
L=Mumbai, ST=Maharashtra, C=IN correct?
  [no]: yes
Enter key password for <selfcert>
        (RETURN if same as keystore password): < Enter a password to
protect the key>
Re-enter new password: < Confirm the password keyed above>
```



## 3.2 <u>Creating Identity Store with Trusted Certificates Issued</u> by CA

## 3.2.1 Creation of Public and Private Key Pair

Browse to the bin folder of JRE from the command prompt and type the following command.

The items highlighted in blue are placeholders, and should be replaced with suitable values when running the command.

```
keytool -genkeypair -alias alias -keyalg keyalg -keysize keysize -
sigalg sigalg -validity valDays -keystore keystore
```

In the above command,

- 1. *alias* is used to identify the public and private key pair created. This alias is required later when configuring the SSL attributes for the managed servers in Oracle Weblogic Server.
- 2. *keyalg* is the key algorithm used to generate the public and private key pair. The RSA key algorithm is recommended.
- keysize is the size of the public and private key pairs generated. A key size of 1024 or more is recommended. Please consult with your CA on the key size support for different types of certificates.
- 4. *sigalg* is the algorithm used to generate the signature. This algorithm should be compatible with the key algorithm and should be one of the values specified in the Java Cryptography API Specification and Reference.
- 5. *valdays* is the number of days for which the certificate is to be considered valid. Please consult with your CA on this period.
- 6. *keystore* is used to specify the location of the JKS file. If no JKS file is present in the path provided, one will be created.

The command will prompt for the following attributes of the certificate and keystore:

- 1. **Keystore Password**: Specify a password that will be used to access the keystore. This password needs to be specified later, when configuring the identity store in Oracle Weblogic Server.
- 2. **Key Password**: Specify a password that will be used to access the private key stored in the keystore. This password needs to be specified later, when configuring the SSL attributes of the managed server(s) in Oracle Weblogic Server.
- 3. **First and Last Name (CN)**: Enter the domain name of the machine used to access Oracle Banking Trade Finance, for instance, www.example.com
- 4. **Name of your Organizational Unit**: The name of the department or unit making the request, for example, BPD. Use this field to further identify the SSL Certificate you are creating, for example, by department or by physical server.



- Name of your Organization: The name of the organization making the certificate request, for example, Oracle Financial Services. It is recommended to use the company or organization's formal name, and this name entered here must match the name found in official records.
- Name of your City or Locality: The city in which your organization is physically located, for example Mumbai.
- 7. **Name of your State or Province**: The state/province in which your organization is physically located, for example Maharashtra.
- Two-letter Country Code for this Unit: The country in which your organization is physically located, for example US, UK, IN etc.

#### <u>Example</u>

Listed below is the result of a sample execution of the command:

```
D:\Oracle\weblogic11g\jrockit 160 05 R27.6.2-20\bin>keytool -
genkeypair -alias cvrhp0729 -keyalg RSA -keysize 1024 -sigalg
SHA1withRSA -validity 365 -keystore D:\keystores\FCUBSKeyStore.jks
Enter keystore password: < Enter a password to protect the keystore>
Re-enter new password: < Confirm the password keyed above>
What is your first and last name?
  [Unknown]: cvrhp0729.i-flex.com
What is the name of your organizational unit?
  [Unknown]: BPD
What is the name of your organization?
  [Unknown]: Oracle Financial Services
What is the name of your City or Locality?
  [Unknown]: Mumbai
What is the name of your State or Province?
  [Unknown]: Maharashtra
What is the two-letter country code for this unit?
  [Unknown]: IN
Is CN=cvrhp0729.i-flex.com, OU=BPD, O=Oracle Financial Services,
L=Mumbai, ST=Maharashtra, C=IN correct?
  [no]: yes
Enter key password for <cvrhp0729>
        (RETURN if same as keystore password): < Enter a password to
protect the key>
Re-enter new password: < Confirm the password keyed above>
```



## 3.2.2 Generating CSR

To purchase an SSL certificate, one needs to generate a Certificate Signing Request (CSR) for the server where the certificate will be installed.

A CSR is generated from the server and is the server's unique "fingerprint". The CSR includes the server's public key, which enables server authentication and secure communication.

If the keystore file or the password is lost and a new one is generated, the SSL certificate and the private key will no longer match. A new SSL Certificate will have to be requested.

The CSR is created by running the following command in the bin directory of the JRE:

```
keytool -certreq -alias alias -file certreq file -keystore keystore
```

In the above command,

- 1. *alias* is used to identify the public and private key pair. The private key associated with the alias will be utilized to create the CSR. Specify the alias of the key pair created in the previous step.
- 2. *certreq file* is the file in which the CSR will be stored.
- 3. *keystore* is the location of the keystore containing the public and private key pair.

#### <u>Example</u>

Listed below is the result of a sample execution of the command

```
D:\Oracle\Weblogic11g\jrockit_160_05_R27.6.2-20\bin>keytool -certreq -
alias cvrhp0729 -file D:\keystores\certreq.csr -keystore
D:\keystores\FCUBSKeyStore.jks
Enter keystore password: [Enter the password used to access the
keystore]
Enter key password for <cvrhp0729>[Enter the password used to access
the key in the keystore]
```

## 3.2.3 Obtaining Trusted Certificate from CA

The processes of obtaining a trusted certificate vary from one CA to another. The CA might perform additional offline verification. Consult the CA issuing the certificate for details on the process to be followed for submission of the CSR and for obtaining the certificate.

### 3.2.4 Importing Certificate into Identity Store

Store the certificate obtained from the CA in the previous step, in a file, preferably in PEM format. Other formats like the p7b file format would require conversion to the PEM format. Details on performing the conversion are not listed here. Please refer to the Oracle Weblogic Server documentation on Securing Oracle Weblogic Server, for details on converting a Microsoft p7b file to the PEM format.

The command to be executed for importing a certificate into the identity store depend on whether the trust store chosen (in the earlier step; see section 2 of this document). It is highly recommended to verify the trust path when importing a certificate into the identity store. The commands provided below assume the use of the Java Standard Trust store.



#### Importing the Intermediate CA certificate

Most Certificate Authorities do not use the root CA certificates to issue identity certificates for use by customers. Instead, Intermediate CAs issue identity certificates in response to the submitted CSRs.

If the Intermediate CA certificate is absent in the Java Standard Trust store, the trust path for the certificate will be incomplete for the certificate, resulting in warnings issued by Weblogic Server during runtime. To avoid this, the intermediate CA certificate should be imported into the identity keystore. Although the intermediate CA certificate can be imported into the Java Standard Trust store, this is not recommended unless the intermediate CA can be trusted.

The following command should be executed to import the intermediate CA certificate into the keystore.

```
keytool -importcert -alias alias -file cert_file -trustcacerts -keystore
keystore
```

In the above command,

- 1. *alias* is used to identify the public and private key pair. Specify the alias of the key pair used to create the CSR in the earlier step.
- cert\_file is the location of the file containing the intermediate CA certificate in a PKCS#7 format (PEM or DER file).
- 3. *keystore* is the location of the keystore containing the public and private key pair.

The trustcacerts flag is used to consider other certificates (higher intermediaries and the root CA) in the chain of trust. If no chain of trust is established during verification, the certificate will be displayed and one would be prompted to verify it. It is recommended that due diligence be observed, when the prompt is displayed to verify a certificate when a chain of trust is absent.

Listed below is a sample execution of the command

```
D:\Oracle\weblogic11g\jrockit_160_05_R27.6.2-20\bin>keytool -
importcert -alias verisigntrialintermediateca -file
D:\keystores\VerisignIntermediateCA.cer -trustcacerts -keystore
D:\keystoreworkarea\FCUBSKeyStore.jks
Enter keystore password:<Enter the password used to access the
keystore>
Certificate was added to keystore
```

#### Importing the Identity certificate

The following command should be executed to import the identity certificate into the keystore.

```
keytool -importcert -alias alias -file cert_file -trustcacerts -keystore
keystore
```

In the above command,

1. *alias* is used to identify the public and private key pair. Specify the alias of the key pair used to create the CSR in the earlier step.



- 2. *cert\_file* is the location of the file containing the PKCS#7 formatted reply from the CA, containing the signed certificate.
- 3. *keystore* is the location of the keystore containing the public and private key pair.

The trustcacerts flag is used to consider other certificates (intermediate CAs and the root CA) in the chain of trust. If no chain of trust is established during verification, the certificate will be displayed and one would be prompted to verify it. It is recommended that due diligence be observed, when the prompt is displayed to verify a certificate when a chain of trust is absent.

Listed below is a sample execution of the command

```
D:\Oracle\weblogic11g\jrockit_160_05_R27.6.2-20\bin>keytool -
importcert -alias cvrhp0729 -file D:\keystores\cvrhp0729.cer -
trustcacerts -keystore D:\keystoreworkarea\FCUBSKeyStore.jks
Enter keystore password:<Enter the password used to access the
keystore>
Enter key password for <cvrhp0729>:<Enter the password used to access
the private key>
Certificate reply was installed in keystore
```

The previous set of commands assumed the presence of the appropriate root CA certificate (in the chain of trust) in the Java Standard Trust store, i.e. in the cacerts file. If the CA issuing the identity certificate (for the Weblogic Server) does not have the root CA certificate in the Java Standard Trust store, one can opt to import the root CA certificate into cacerts, or into the identity store, depending on factors including trustworthiness of the CA, necessity of transporting the trust store across machine, among others.



# 4. Configuring Identity and Trust Stores for Weblogic

## 4.1 Enabling SSL on Oracle Weblogic Server

To configure SSL on Oracle Weblogic server, login in to the Admin Console and follow the steps given below:

- 1. Under 'Change Center', click the button 'Lock & Edit'.
- 2. Expand 'Servers' node.
- 3. Select the name of the server for which you want to enable SSL (example exampleserver).
- 4. Go to 'Configuration' and select General' tab.
- 5. Select the option 'SSL Listen Port Enabled' and specify the SSL listen port.
- 6. Against 'Listen Address', specify the hostname of the machine in which the application server is installed.

## 4.2 Configuring Identity and Trust Stores

To configure the Identity and Trust stores in Oracle Weblogic Server, log in to the Admin Console of Weblogic Server.

- 1. Under 'Change Center', click the button 'Lock & Edit'.
- 2. Expand 'Servers' node.
- 3. Select the name of the server for which you want to configure the keystores (example exampleserver).
- 4. Go to 'Configuration' and select 'Keystores' tab.
- 5. In the filed 'Keystores', select the method for storing and managing private keys/digital certificate pairs and trusted CA certificates. This choice should match the one made in Section 2 of this document (Choosing the Identity and Trust Stores).
- 6. In the 'Identity' section, provide the following details:
  - Custom Identity Keystore File Name: Fully qualified path to the Identity keystore.
  - **Custom Identity Keystore Type**: Set this attribute to JKS, the type of the keystore. If left blank, it is defaulted to JKS (Java KeyStore).
  - Custom Identity Keystore PassPhrase: The password you enter when reading or writing to the keystore. This attribute is optional or required depending on the type of keystore. All keystores require the passphrase in order to write to the keystore. However, some keystores do not require the passphrase to read from the keystore. Oracle Weblogic server only reads from the keystore. So whether or not you define this property depends on the requirements of the keystore.
- 7. In the 'Trust' section, provide the following details:

If you choose Java Standard Trust, specify the password used to access the trust store.



If you choose **Custom Trust**, the following attributes have to be provided:

- **Custom Trust Keystore**: The fully qualified path to the trust keystore.
- **Custom Trust Keystore Type**: Set this attribute to JKS, the type of the keystore. If left blank, it defaults to JKS (Java KeyStore).
- Custom Trust Keystore Passphrase: The password you enter when reading or writing to the keystore. This attribute is optional or required depending on the type of keystore. All keystores require the passphrase in order to write to the keystore. However, some keystores do not require the passphrase to read from the keystore. Oracle Weblogic Server only reads from the keystore. So, whether or not you define this property depends on the requirements of the keystore.

When identity and trust stores are of the JKS format, the passphrases are not required.



## 5. Setting SSL attributes for Managed Servers

## 5.1 <u>Setting SSL Attributes for Private Key Alias and</u> Password

To configure the private key alias and password, log in to the Oracle Weblogic Server Admin Console.

- 1. Under 'Change Center', click the button 'Lock & Edit'.
- 2. Expand 'Servers' node.
- 3. Select the name of the server for which you want to configure keystores (example exampleserver).
- 4. Go to 'Configuration' and select 'SSL' tab.
- 5. Select 'Keystores' from 'Identity and Trust Locations'.
- 6. Under 'Identity' section, specify the following details:
  - **Private Key Alias**: set this attribute to the alias name defined for the key pair when creating the key pair in the Identity keystore.
  - **Private Key Passphrase**: The password defined for the key pair (alias\_password), at the time of its creation. . Confirm the password.
- 7. Click 'Save'.
- 8. Under 'Change Center', click 'Activate changes'.
- 9. Go to **controls** tab, check the appropriate server and click '**Restart SSL**'. Confirm when it prompts.



6. Testing Configuration

## 6.1 **Testing Configuration**

Once the Oracle Weblogic has been configured for SSL, deploy the application in the usual manner. After deployment, you can test the application in SSL mode. To launch the application in SSL mode you need to enter the URL in the following format:

### https://(Machine Name):(SSL\_Listener\_port\_no)/(Context\_root)

It is recommended that the Oracle Banking Trade Finance web application be accessed via the HTTPS channel, instead of the HTTP channel.



# 7. Creating Resources on Weblogic

## 7.1 Introduction

This document explains the steps to be executed to deploy the FCUBS application and gateway application in application server.

## 7.2 **Resource Administration**

This section deals with the process of resource administration on Oracle Weblogic.

All the resources mention in "Resources To be Created" document are need to be created before deployment. One example for each category is explained in the following subsections.

## 7.2.1 Creating Data Source

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The method for creating data sources is explained under the following headings.

## 7.2.1.1 Prerequisites

You need to create the data source with OCI enabled. For this, download Oracle Instant Client and install it. The details are given below.

Package	Download Location	Remarks
Oracle Instant Client Package	http://www.oracle.com/technetwork/ database/features/instant- client/index-097480.html	Install Oracle Instant Client in a local directory. While configuring Weblogic for Windows or Unix/Linux box, you need to provide the directory path where Instant Client is installed.

You need to do the data source configuration with OCI driver enabled. The configurations are given below.

- Oracle Weblogic on Windows Box:
  - Set {ORACLE\_HOME} in the environment variable.
- > Update the Environment Variable Path as {*ORACLE\_HOME*}/*Instance Client*. This is required to load all the *.dll* files.

> Ensure that the *ojdbc\*.jar* file in {*WL\_HOME*}/server/lib/ojdbc\*.jar is the same as the file {*ORACLE\_HOME*}/jdbc/lib/ojdbc\*.jar. This is required for ensuring compatibility.

> Update PATH in *StartWebLogic.bat* or in *setDomainEnv.bat*. This must be the path of directory where Oracle Instant Client is installed.

• Oracle Weblogic on Unix/Linux Box:



> Set {ORACLE\_HOME} in the environment variable.

> Update the environment variable *LD\_LIBRARY\_PATH* as {*ORACLE\_HOME*}/*lib*. This is to load all the *.so* files.

Ensure that the ojdbc\*.jar file in {WL\_HOME}/server/lib/ojdbc\*.jar is the same as the file {ORACLE\_HOME}/jdbc/lib/ojdbc\*.jar. This is to ensure compatibility.

> Update *LD\_LIBRARY\_PATH* in *StartWeblogic.sh* or in *setDomainEnv.sh*. This must be the path of directory where Oracle Instant Client is installed.

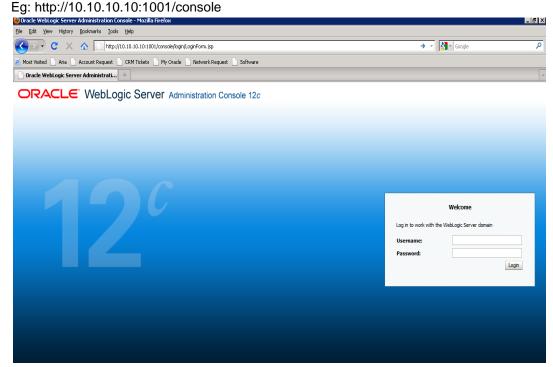
> If you are still not able to load the .so files, then you need to update the EXTRA\_JAVA\_PROPERTIES by setting Djava.library.path as {ORACLE\_HOME}/lib in StartWebLogic.sh or in setDomainEnv.sh.

### 7.2.1.2 XA Enabled Data Source

Follow the steps given below:

1. Start the Administrative Console of Weblogic application server. You can start this by entering Oracle Weblogic Admin Console URL in the address bar in an internet browser.

http://10.10.10.10:1001/console



2. Specify the Weblogic administrator user name and password. Click 'Log In'.



3. Navigate to Oracle Weblogic home page.

🚬 🗸 🖉 http://10.184.74.143:8888/c	console/console.portal?_nfpb=true&_pageLabel=HomePage1		👻 😽 🗙 Google Powered Pandion Search 🛛
ie Edit View Favorites Iools Help			
McAfee /			
🕈 🏘 🌈 Home Page - fcubs113_domain - '	WLS Console		🏠 🔹 🗟 🔹 🖶 🔹 😳 Page 🕶 🎯 Tgols
	8 Administration Console		Q
Change Center	î Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: fcubs113_domai
View changes and restarts	Home		
Click the Lock & Edit button to modify, add or delete items in this domain.	Home Page		
Lock & Edit	- Information and Resources		
	Helpful Tools	General Information	
	Configure applications	<ul> <li>Common Administration Task Descriptions</li> </ul>	
	<ul> <li>Configure GridLink for RAC Data Source</li> </ul>	<ul> <li>Read the documentation</li> </ul>	
Domain Structure	<ul> <li>Recent Task Status</li> </ul>	<ul> <li>Ask a question on My Oracle Support</li> </ul>	
cubs113_domain T-Environment	<ul> <li>Set your console preferences</li> </ul>	<ul> <li>Oracle Guardian Overview</li> </ul>	
Deployments	- Domain Configurations		
+-Services Security Realms			
- Interoperability	Domain	Services	Interoperability
Diagnostics	Domain	<ul> <li>Messaging</li> <li>JMS Servers</li> </ul>	WTC Servers     Jolt Connection Pools
		<ul> <li>Store-and-Forward Agents</li> </ul>	Joit Connection Pools
	Environment	<ul> <li>JMS Modules</li> </ul>	Diseaseties
	Servers	<ul> <li>Path Services</li> </ul>	Diagnostics
	Clusters	<ul> <li>Bridges</li> </ul>	Log Files
	Virtual Hosts	Data Sources	Diagnostic Modules     Diagnostic Images
	Migratable Targets     Coherence Servers	Data Sources     Persistent Stores	Diagnostic images     Request Performance
low do I	Coherence Servers     Coherence Clusters	XML Registries	Archives
Search the configuration	Concrete Clusters     Machines	XML Registries     XML Entity Caches	Archives     Context
Use the Change Center	Work Managers	Foreign JNDI Providers	SNMP
Record WLST Scripts	Startup And Shutdown Classes	Work Contexts	• Swee
Change Console preferences	Startup And Shutdown Classes	• (COM	Charts and Graphs
Monitor servers	Your Deployed Resources	Mail Sessions	Monitoring Dashboard
	Deploymente	FileT3	
System Status 🗉		• JTA	
Health of Running Servers	Your Application's Security Settings		
Failed (0)	Security Realms		
Critical (0)			
Overloaded (0)			
Warning (0)			

4. Click 'LOCK & EDIT'.



#### Following screen is displayed:

Warning (0) OK (2)

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	s113_domain - WLS Console - Windows Internet				_ 0
	nsole/console.portal?_nfpb=true&_pageLabel=http://10.184.	74.143:8888/console/conso	le.portal?_nfpb=true&_pageLabel=GlobalJDBCDataSourc 🚩	Google Powered Pandion Search	2
le Edit View Favorites Tools Help McAfee / -					
🔗 🌮 🍘 Summary of JDBC Data Sources - fi	cubs113_domain			🏠 🔹 🔝 🕤 🖶 🕈 🔂 Bage 🕶 🎯	Tools -
	Administration Console				Q
hange Center	🏠 Home Log Out Preferences 🔤 Record Help	Q	N	elcome, weblogic Connected to: fcubs113_	domain
iew changes and restarts	Home >Summary of JDBC Data Sources				
o pending changes exist. Click the Release onfiguration button to allow others to edit the	Summary of JDBC Data Sources				
omain.	Configuration Monitoring				
Release Configuration	A JDBC data source is an object bound to the JNDI tree borrow a database connection from a data source. This page summarizes the JDBC data source objects th		nnectivity through a pool of JDBC connections. Applications	an look up a data source on the JNDI tree and th	en
ubs113_domain					
-Environment -Deployments	Customize this table				
Services	Data Sources (Filtered - More Columns Exist)				
MessagingData Sources	New 🗸 Delete			Showing 1 to 2 of 2 Previous   N	lext
Persistent Stores     Foreign JNDI Providers     Work Contexts	🔲 Name 🌣	Туре	JNDI Name	Targets	
XML Registries	FCUBS113	Generic	jdbc/fcjdevDS	ManagedServer1	
XML Entity Caches jCOM	FCUBS113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer1	
File T3	New V Delete			Showing 1 to 2 of 2 Previous   N	lext
w do I					
Create JDBC generic data sources Create JDBC GridLink data sources Create JDBC multi data sources					
Delete JDBC data sources					
Delete JDBC multi data sources					
rstem Status 🖂					
ealth of Running Servers					
Failed (0)					
Critical (0)					
Overloaded (0)					
Warning (0)					



5. Expand 'Services' and then 'Data Sources' under it. Click 'Lock & Edit' button.

	onsole/console.portal?_nfpb=true&_pageLabel=h	http://10.184.74.143:8888/console/conso	ile.portal?_nfpb=true&_pageLabel=GlobalJDBCDataSourc 🎽	Google Powered Pandion Search
e <u>E</u> dit <u>Vi</u> ew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp McAfce /				
🔗 🌮 🍘 Summary of JDBC Data Sources - f	fcubs113_domain			🟠 🔹 🔝 👘 🖶 🖬 Page 🕶 🍈 Tools
CRACLE WebLogic Server <sup>®</sup> hange Center  Few changes and restarts  io perding changes suit: Click the Release configuration button to allow others to edit the  coman.  Lock & Edit  Release Configuration	Home Log Out Preferences I Reco Home >Summary of JDBC Data Sources     Summary of JDBC Data Sources     Configuration Monitoring	the JNDI tree that provides database co	W nnectivity through a pool of 3DBC connections. Applications o	elcome, weblogic Connected to: fcubs113_domain
tomain Structure	This page summarizes the JDBC data sour Customize this table Data Sources (Filtered - More Colum		domain.	Showing 1 to 2 of 2 Previous   Next
	Generic Data Source GridLink Data Source	Туре	JNDI Name	Targets
XML Registries XML Entity Caches	Multi Data Source	Generic	jdbc/fcjdevDS	ManagedServer1
jCOM Mail Sessions File T3	FCUBS113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer1 Showing 1 to 2 of 2 Previous   Next
low do I				Showing 1 to 2 of 2 Previous   Next
Create JDBC generic data sources Create JDBC GridLink data sources Create JDBC multi data sources Delete JDBC data sources Delete JDBC multi data sources				
	1			
ystem Status 🖂				

6. To create a new data source, click 'New' and select 'Generic Data Source'. The following screen is displayed.

🖉 Create a New JDBC Data Source - fcubs113_domain - WLS Console - Windows Internet Explorer					
sole/console.portal?CreateGlobalJDBCDataSourcePortletreturnTo=GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalJDBCDataSourceTablePage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8GlobalPage8Globa	iourceTablePortlethandle=c 💌 🐓 🗙 🛛 Google Powered Pandion Search 👘 🔎 🔹				
ubs113_domain	🛐 👻 🔝 🕤 🖶 Page 👻 🎯 Tools 🕶 🎽				
dministration Console	Q				
🟦 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain				
Home >Summary of JDBC Data Sources					
Create a New JDBC Data Source           Back         Frain         Cancel           JDBC Data Source Properties         The following properties will be used to identify your new JDBC data source.					
* Indicates required fields					
What would you like to name your new JDBC data source?					
Back Next Frien Cancel					
	Jubil 13 _doman ·         dministration Console         Imme Log Out Preferences Immediate Record Help         Home - Sammary of JBEC Data Sources         Create a New JDBC Data Source         JDB Chairs Source Properties         The following properties will be used to identify your new JDBC data source.         * Induster required fields         What would you like to name your new JDBC data source?         Imme:       FLEXTEST.WORLD         What JNDI name would you like to assign to your new JDBC Data Source?         FLEXTEST. WORLD         What database type would you like to select?         Database Type:         Oracle				



7. Specify the following details:

JDBC Datasource Name	Name of the data source
JNDI Name	JNDI name which will be used for lookup
Database Type	Type of the database which is Oracle

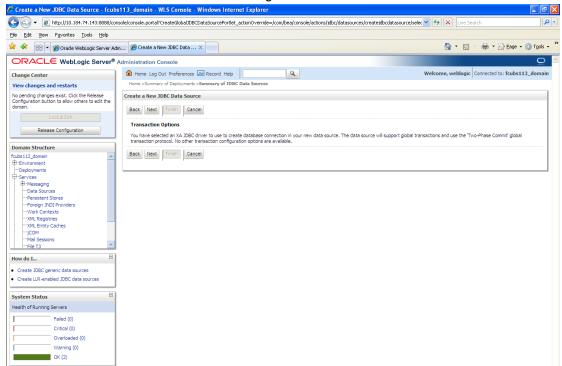
8. Click 'Next'.

The following screen is displayed:	
🚹 Home Log Out Preferences 🔤	Record Help
Home >Summary of Services >Summary	y of JDBC Data Sources
Create a New JDBC Data Source	
Back Next Finish Cancel	
JDBC Data Source Properties	
The following properties will be used	to identify your new JDBC data source.
Database Turas	0 - de
Database Type:	Oracle
What database driver would you like t	o use to create database connections? Note: * indicates that the driver is explicitly supported by C
Database Driver:	*Oracle's Driver (Thin XA) for Service connections; Versions:Any
Back Next Finish Cancel	

Click next.



9. Select the database driver as shown in the figure. Click 'Next'.



10. Specify the Database Name, Host Name, Port of the database server to connect, Database User Name and Password. Confirm the password.

🖉 Create a New JDBC Data Source - fcubs	s113_domain - WLS Console - Windows Inte	ernet Explorer	
🕞 🕞 👻 🙋 http://10.184.74.143:8888/con	sole/console.portal?CreateGlobalJDBCDataSourcePortl	et_actionOverride=/com/bea/console/actions/jdbc/datasourc	es/createjdbcdatasource/addC 💌 🐓 🔀 Google Powered Pandion Search 🛛 🔎 💌
Elle Edit View Favorites Iools Help			
🚖 🕸 🌈 Create a New JDBC Data Source - fr	cubs113_domain		🛐 🔹 🔝 🕤 🖶 Page 🗸 🎯 Tgols 🗸
ORACLE WebLogic Server®	Administration Console		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help		Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources		
No pending changes exist. Click the Release Configuration button to allow others to edit the	Create a New JDBC Data Source		
domain.	Back Next Finish Cancel		
	Connection Properties		
Release Configuration	Define Connection Properties.		
Domain Structure	What is the name of the database you would like t	to connect to?	
fcubs113_domain	Database Name:	KERDEV2	
Deployments		KERDEV2	
⊕-Services ⊕-Messaging	What is the name or IP address of the database se	erver?	
Data Sources	Host Name:	10.10.10.10	
Persistent Stores     Foreign JNDI Providers		10.10.10	
Work Contexts	What is the port on the database server used to c	connect to the database?	
TXML Registries	Port:	1010	
jCOM Mail Sessions			
-File T3	What database account user name do you want to	o use to create database connections?	
How do I	Database User Name:	FCPB1121	
Create JDBC generic data sources			
Create LLR-enabled JDBC data sources	What is the database account password to use to	create database connections?	
Sustam Status	Password:	•••••	
System Status			
Health of Running Servers	Confirm Password:	•••••	
Failed (0) Critical (0)	Back Next Finish Cancel		
Overloaded (0)			
Warning (0)			
OK (2)			



#### 11. Click 'Next'.

The following screen is displayed.

Create a New JDBC Data Source - DefaultDo				
	e/console.portal?CreateGlobalJDBCDataSou	urcePortlet_actionOverride=/com/bea/console/actions/jdbc/datasources	i/cr 👻 🔄 🛠 🔀 Google	<del>،</del> م
KeAfee     McAfee     Favorites     Arrow B Web Slice Gallery				
			👌 🕶 🛐 🕆 🖂 🚔 👻 Page 🕶 Safe	
Create a New JDBC Data Source - DefaultDo			🖬 🔸 🖾 🔸 🖃 🖷 🔸 Page 🗣 San	
				<u> </u>
Change Center	Home Log Out Preferences 🔤 Rec		Welcome, weblogic Connecte	ed to: DefaultDomain
View changes and restarts	Home >Summary of JDBC Data Sources			
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New JDBC Data Source			
modify, add or delete items in this domain.	Test Configuration Back Next	Finish Cancel		
Domain Structure	Test Database Connection			
DefaultDomain	Test the database availability and the co	onnection properties you provided.		
Deployments Services	What is the full package name of JDBC dr	iver class used to create database connections in the connection pool?		
Hessaging	(Note that this driver class must be in the	dasspath of any server to which it is deployed.)		
E-JDBC				
	Driver Class Name:	oracle.jdbc.OracleDriver		
···Persistent Stores	What is the URL of the database to conne	ect to? The format of the URL varies by JDBC driver.		E
Coherence Clusters	URL:	descendentine @10.40.40		
Work Contexts		jdbc:oracle.thin.@10.10.10		
How do I	What database account user name do yo	u want to use to create database connections?		
Create JDBC data sources	Database User Name:	FCPB1121		
Create LLR-enabled JDBC data sources	What is the database account password t	to use to create database connections?		
System Status	(Note: for secure password management,	, enter the password in the Password field instead of the Properties field below)		
Health of Running Servers				
Failed (0)	Password:	• • • • • • • • • • • • • • • • • • •		
Critical (0) Overloaded (0)	Confirm Password:	•••••		
Warning (0)				
OK (1)	What are the properties to pass to the JC	DBC driver when creating database connections?		
	Properties: user=FCPB1121			
	user=FCPB1121			
		Z		
	What table name or SQL statement would	I you like to use to test database connections?		

- 12. Specify the Driver Class Name (Eg: oracle.jdbc.OracleDriver).
- 13. Specify the URL.
- 14. jdbc:oracle:thin:@10.10.10.10:1001<INSTANCE\_NAME>Specify the Database Username (Eg: FCPB1121) and password.
- 15. Confirm the password.
- **16.** Click 'Test Configuration' tab.



If the connection is established successfully, the message 'Connection test succeeded' is displayed.

🖉 Create a New JDBC Data Source - fcub	s113_domain - WLS Console - Windows Int	ternet Explorer		- 7 🛛
🕒 🗸 🖌 🖉 🕹 🕹 🕹	nsole/console.portal?CreateGlobalJDBCDataSourcePort	tlet_actionOverride=/com/bea/console/actions/jdbc/datasources/createjdbcdatasource/to	est 🗸 😽 🗶 Google Powered Pandion Search	<b>P</b> -
Elle Edit View Favorites Tools Help				
😭 🔅 Create a New JDBC Data Source - fi	cubs113_domain		🟠 * 🖾 * 🖶 * 🗗 Bage * (	🕽 T <u>o</u> ols 🔹 🎽
	Administration Console			Q ^
Change Center	🏦 Home Log Out Preferences 🔤 Record He	dp Q	Welcome, weblogic Connected to: fcubs113	_domain
View changes and restarts	Home >Summary of JDBC Data Sources Messages			
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Connection test succeeded.			
Lock & Edit	Create a New JDBC Data Source			
Release Configuration	Test Configuration Back Next Finish	Cancel		
Domain Structure	Test Database Connection			
fcubs113_domain	Test the database availability and the connection	on properties you provided.		
Environment	What is the full package name of JDBC driver clas	ss used to create database connections in the connection pool?		
Deployments Services Messaging	(Note that this driver class must be in the classpa	th of any server to which it is deployed.)		=
Data Sources Persistent Stores Foreign JNDI Providers	Driver Class Name:	oracle.jdbc.OracleDriver		
Work Contexts XML Registries	What is the URL of the database to connect to?	The format of the URL varies by JDBC driver.		
XML Entity Caches	1101			
JCOM	URL:	jdbc:oraclethin:@10.10.10.		
	What database account user name do you want	to use to create database connections?		
How do I	Database User Name:	FCPB1121		
Create JDBC generic data sources				
Create LLR-enabled JDBC data sources	What is the database account password to use t	o create database connections?		
System Status	(Note: for secure password management, enter	the password in the Password field instead of the Properties field below)		-
Health of Running Servers	Password:	•••••		
Faled (0)				
Critical (0)	Confirm Password:	•••••		
Overloaded (0)				
Warning (0)	What are the properties to pass to the JDBC driv	er when creating database connections?		
OK (2)	Properties:			
	user=FCPB1121			
Done			📢 Local intranet 🛛 🤫	.100% • .:
NOTIN-			Stora intrailer of	10070

17. Click 'Next'.



#### The following screen is displayed:

🖉 Create a New JDBC Data Source - fcub	s113_domain - WLS Console - Windows Internet Explorer	X
🕒 🗸 🖌 🖉 http://10.184.74.143:8888/cor	sole/console.portal?CreateGlobalDBCDataSourcePortlet_actionOverride=/console/actions/jdbc/datasources/createjdbcdatasource/selec 🛛 47 🗶 Google Powered Pandon Search 👘	• C
Eile Edit View Favorites Tools Help		
🚖 🎄 🌈 Create a New JDBC Data Source - f	cubs113_domain 🔤 👘 👘 🖓 Bage + 🎲 Tools	• *
	Administration Console	^
Change Center	🟦 Home Log Out Preferences 🖾 Record Help	1
View changes and restarts	Home >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit the	Create a New JDBC Data Source	
domain.	Back Next Finish Cancel	
Release Configuration	Select Targets	
release configuration	You can select one or more targets to deploy your new JDBC data source. If you don't select a target, the data source will be created but not deployed. You will need to deploy the data source at a later time.	
Domain Structure		
fcubs113_domain	Servers	
Deployments	✓ AdminServer	
⊕-Services     ⊕-Messaging		
Data Sources Persistent Stores	AnagedServer1	
Foreign JNDI Providers		
Work Contexts XML Registries	Back Wext Finish Cancel	
XML Entity Caches		
jCOM Mail Sessions		
Fie T3		
How do I		
Create JDBC generic data sources		
Create LLR-enabled JDBC data sources		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
OK (2)		

**18.** Check the boxes against the required servers. Click 'Finish'. The following screen is displayed:

	:113_domain - WLS Console - Windows Interne	t Evoloror		<b>( ) ( )</b>
	isole/console.portal?_nfpb=true&_pageLabel=GlobalJDBCD-			🖕 🗶 Google Powered Pandion Search
Ele Edit Yew Favorites Tools Help				
🔶 🎄 🌈 Summary of JDBC Data Sources - fo	ubs113_domain			🟠 • 🔝 • 🖶 • 🔂 Page • 🎯 Tools • 🎽
	Administration Console			Q 🙆
Change Center	Home Log Out Preferences Record Help	Q	We	Icome, weblogic Connected to: fcubs113_domain
View changes and restarts Pending changes exist. They must be activated	Summary of JDBC Data Sources			
to take effect.	Configuration Monitoring			
Undo All Changes	A JDBC data source is an object bound to the JNDI tr borrow a database connection from a data source.	ee that provides database conr	ectivity through a pool of JDBC connections. Applications ca	n look up a data source on the JNDI tree and then
Domain Structure fcubs113_domain	This page summarizes the JDBC data source objects t	that have been created in this d	omain.	
Deployments     Services	Customize this table			
Messaging     Data Sources     Persistent Stores	Data Sources (Filtered - More Columns Exist)			Showing 1 to 3 of 3 Previous   Next
Foreign JNDI Providers Work Contexts	🔲 Name 🏟	Туре	JNDI Name	Targets
XML Registries	FCUBS113	Generic	jdbc/fcjdevDS	ManagedServer1
	FCUBS 113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer1
How do I	FLEXTEST.WORLD	Generic	FLEXTEST.WORLD	AdminServer
Create JDBC generic data sources	New Y Delete			Showing 1 to 3 of 3 Previous   Next
Create JDBC GridLink data sources     Create JDBC multi data sources				
Delete JDBC data sources				
Delete JDBC multi data sources				
System Status				
Health of Running Servers				
Failed (0) Critical (0)				
Overloaded (0)				
Warning (0)				
OK (2)				



**19.** Click 'Activate Changes' button. Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed.

🖉 Summary of JDBC Data Sources - fcub	s113_don	nain - WLS Console - Windows	Internet Explorer		
G S + le http://10.184.74.143:8888/co	nsole/consol	e.portal?_nfpb=true&_pageLabel=htt	p://10.184.74.143:8888/console/cons	ole.portal?_nfpb=true&_pageLabel=Glob	alJDBCDataSourc 👻 🐓 🗙 Google Powered Pandion Search 🛛 🔎 🕶
Elle Edit <u>Vi</u> ew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp McAfee /					
👷 🏘 🌈 Summary of JDBC Data Sources - fi	cubs113_dor	main			🚵 👻 🔝 👘 🖶 🗛 😨 Bage 👻 🎯 Tools 🗸
ORACLE WebLogic Server®	Administr	ration Console			Q
Change Center	🔒 Hor	me Log Out Preferences 🔤 Record	Help		Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home Messag	>Summary of JDBC Data Sources			
Click the Lock & Edit button to modify, add or delete items in this domain.		changes have been activated. No res	tarts are necessary.		
Lock & Edit	Summa	ary of JDBC Data Sources			
Release Configuration	Config	guration Monitoring			
frubs113_doman	borro This p Cust Data Click t	w a database connection from a data page summarizes the JDBC data sourc comize this table Sources (Filtered - More Column	source. e objects that have been created in th	is domain.	ctons. Applications can look up a data source on the JNDI tree and then
		Name 🖚	Туре	JNDI Name	Targets
How do I		FCUBS113	Generic	jdbc/fcjdevDS	ManagedServer 1
Create JDBC generic data sources     Create JDBC GridLink data sources		FCUBS113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer 1
Create JDBC GridLink data sources     Create JDBC multi data sources		FLEXTEST.WORLD	Generic	FLEXTEST.WORLD	AdminServer
Delete JDBC data sources     Delete JDBC multi data sources	Nev	v 🕶 Delete			Showing 1 to 3 of 3 Previous   Next
System Status					

- **20.** The datasource has been created.
- **21.** Refer to "Resources\_To\_ Be\_Created.doc" for the list of XA datasources to be created.



## 7.2.1.3 Non-XA Enabled Data Source

1. Follow the steps given below:Start the Administrative Console of Weblogic application server. You can start this by entering Oracle Weblogic Admin Console URL in the address bar in an internet browser.

ttp::10.10.10.10.1001/console Eg: http://10.10.10.101/console

2. Specify the Weblogic administrator user name and password. Click 'Log In'.



#### 3. Navigate to Oracle Weblogic home page.

- A http://10.184.74.149.0000/-	onsole/console.portal?_nfpb=true&_pageLabel=HomePage1		Google Powered Pandion Search
	onsole/console.porcar_mpb=crdeo_pagecabei=nomerage1		
e Edit View Favorites Tools Help McAfee /			
🖗 🌈 Home Page - fcubs113_domain - V	WLS Console		🟠 🔹 🔝 🔹 📾 🔹 😥 <u>P</u> age 🕶 🎯 T <u>o</u> ol
DRACLE WebLogic Server	Administration Console		
ange Center	Home Log Out Preferences Record Help	Q	Welcome, weblogic Connected to: fcubs113_doma
ew changes and restarts	Home		
k the Lock & Edit button to modify, add or	Home Page		
ete items in this domain.	- Information and Resources		
Lock & Edit			
	Helpful Tools	General Information	
	<ul> <li>Configure applications</li> </ul>	<ul> <li>Common Administration Task Descriptions</li> </ul>	
main Structure	<ul> <li>Configure GridLink for RAC Data Source</li> </ul>	<ul> <li>Read the documentation</li> </ul>	
os 113 domain	<ul> <li>Recent Task Status</li> </ul>	<ul> <li>Ask a question on My Oracle Support</li> </ul>	
Environment	<ul> <li>Set your console preferences</li> </ul>	<ul> <li>Orade Guardian Overview</li> </ul>	
Deployments Services	- Domain Configurations		
Security Realms	Domain	Services	Interoperability
Interoperability	Domain	Messaging	WTC Servers
Diagnostics	• Domain	<ul> <li>Messaging</li> <li>JMS Servers</li> </ul>	Jolt Connection Pools
	Environment	<ul> <li>Store-and-Forward Agents</li> </ul>	
	Servers	<ul> <li>JMS Modules</li> </ul>	Diagnostics
	Clusters	<ul> <li>Path Services</li> </ul>	Log Files
	Virtual Hosts	<ul> <li>Bridges</li> </ul>	Diagnostic Modules
	Migratable Targets	Data Sources	Diagnostic Images
		Persistent Stores	Diagnostic images     Request Performance
w do I	Coherence Servers     Coherence Clusters	XML Registries	Request Performance     Archives
Search the configuration			
Use the Change Center	Machines	XML Entity Caches	Context
Record WLST Scripts	Work Managers	Foreign JNDI Providers	SNMP
Change Console preferences	<ul> <li>Startup And Shutdown Classes</li> </ul>	Work Contexts	
Monitor servers		• jCOM	Charts and Graphs
	Your Deployed Resources	Mail Sessions     FileT3	<ul> <li>Monitoring Dashboard IP</li> </ul>
stem Status	Deployments	• Filet 3	
alth of Running Servers	Your Application's Security Settings		
Failed (0)	Security Realms		
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			



#### The following screen is displayed:

The following serve				
~	s113_domain - WLS Console - Windows Interne			_ @ 🗵
	nsole/console.portal?_nfpb=true&_pageLabel=http://10.184	1.74.143:8888/console/conso	le.portal?_nfpb=true&_pageLabel=GlobalJDBCDataSourc 🗸	Google Powered Pandion Search
Elle Edit View Favorites Tools Help McAfee /				
😭 🏘 🇭 Summary of JDBC Data Sources - fo	:ubs113_domain			🟠 🔹 🔝 🔹 🖶 🔹 🔂 <u>P</u> age + 🎯 T <u>o</u> ols + 🎽
	Administration Console			Q 🌢
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	٩	w	elcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources			
No pending changes exist. Click the Release Configuration button to allow others to edit the	Summary of JDBC Data Sources			
domain.	Configuration Monitoring			
Lock & Edit				
Release Configuration	A JDBC data source is an object bound to the JNDI tr borrow a database connection from a data source.	ee that provides database co	nnectivity through a pool of JDBC connections. Applications c	an look up a data source on the JNDI tree and then
Domain Structure	This page summarizes the JDBC data source objects t	hat have been created in this	: domain.	
fcubs113_domain				
Environment     Deployments	Customize this table			
	Data Sources (Filtered - More Columns Exist)			
Messaging     Data Sources	New Y Delete			Showing 1 to 2 of 2 Previous   Next
Persistent Stores Foreign JNDI Providers	□ Name ↔	Туре	JNDI Name	Targets
Work Contexts				
XML Registries	FCUBS113	Generic	jdbc/fcjdevDS	ManagedServer1
jCOM Mail Sessions	FCUBS113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer1
-File T3	New V Delete			Showing 1 to 2 of 2 Previous   Next
How do I				
Create JDBC generic data sources				
Create JDBC GridLink data sources				
Create JDBC multi data sources     Delete JDBC data sources				
Delete JDBC multi data sources				
Sustan Status				
System Status				
Health of Running Servers				
Failed (0) Critical (0)				
Overloaded (0)				
Warning (0)				
OK (2)				



4. Expand 'Services' and then 'Data Sources' under it. Click 'Lock & Edit' button.

🖉 Summary of JDBC Data Sources - fcubs	s113_domain - WLS Con	sole - Windows Interne	t Explorer			- I X
	nsole/console.portal?_nfpb=tru	e&_pageLabel=http://10.18	4.74.143:8888/console/conso	le.portal?_nfpb=true&_pageLabel=GlobalJDBCDataSourc 🛩	Google Powered Pandion Search	P -
Eile Edit Yiew Favorites Tools Help • McAfee •						
😤 🏟 🌈 Summary of JDBC Data Sources - fo	cubs113_domain				🏠 🔹 🔝 🕤 🖶 🔹 🔂 Bage 🕶 🍈 Tj	ools • "
	Administration Console					<u>o</u> ^
Change Center	🔒 Home Log Out Prefer	rences 🔤 Record Help	٩	w	elcome, weblogic Connected to: fcubs113_do	main
View changes and restarts	Home >Summary of JDB	C Data Sources				
No pending changes exist. Click the Release Configuration button to allow others to edit the	Summary of JDBC Data	Sources				
domain.	Configuration Monito	ring				
Lock & Edit Release Configuration	borrow a database conn	ection from a data source.		nnectivity through a pool of JDBC connections. Applications c	an look up a data source on the JNDI tree and then	,
Domain Structure	This page summarizes th	e JDBC data source objects t	hat have been created in this	domain.		
fcubs113_domain	Customize this table					
Deployments						
Services     Homessaging		d - More Columns Exist)				
Data Sources	New V Delete				Showing 1 to 2 of 2 Previous   Nex	rt –
Foreign JNDI Providers	Generic Data Source		Туре	JNDI Name	Targets	
Work Contexts XML Registries	GridLink Data Source		Generic	jdbc/fcjdevDS	ManagedServer1	11
XML Entity Caches					-	- 1 -
jCOM Mail Sessions	FCUBS113Brand	1	Generic	jdbc/fcjdevDSBranch	ManagedServer1	
File T3	New 🛩 Delete				Showing 1 to 2 of 2 Previous   Nex	đ
How do I						- 11
Create JDBC generic data sources						_
Create JDBC GridLink data sources     Create JDBC multi data sources						
Create JDBC multi data sources     Delete JDBC data sources						
Delete JDBC multi data sources						
System Status						
Health of Running Servers						
Failed (0)						
Critical (0)						
Overloaded (0)						
Warning (0) OK (2)						
OK (2)						

5. To create a new data source, click 'New' and select 'Generic Data Source'.

ile Edit Yew Favorites Iools Help		
😵 😵 🔹 🍘 PCUBSWiki - Enabling Debu	ig 🍘 Create a New JDBC Data 🗙	🐴 • 🔝 👘 🖶 🔂 Bage • 🕲 Tgols •
	Administration Console	Q
Change Center	🗟 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FCUBS113 >Summary of Deployments >FCUBS113Dev >Summary of D	Peployments >Summary of JDBC Data Sources >FCUBS113 >Summary of JDBC Data Sources
Pending changes exist. They must be activated to take effect.	Create a New JDBC Data Source	
Activate Changes	Back Next Frien Cancel	
Undo All Changes	JDBC Data Source Properties	
Domain Structure	The following properties will be used to identify your new JDBC data source.	
cubs113 domain	* Indicates required fields	
Bryironment Deployments	What would you like to name your new JDBC data source?	
⊖-Services   ⊕-Messaging	of *Name: FCUBSDS	
Data Sources		
Persistent Stores     Foreign INDI Providers	What JNDI name would you like to assign to your new JDBC Data Source?	
Work Contexts	1 JNDI Name:	
XML Registries XML Entity Caches	jdbc/fojdevDS	
COM	2001.07507.526-3060	
-Mail Sessions		
Fie T3		
How do L. E		
Create JDBC generic data sources	What database type would you like to select?	
Create LLR-enabled 3DBC data sources	129/14 B	
System Status	Database Type: Oracle	
Health of Running Servers	Eack Next Finish Cancel	
Faled (0)	And	
Critical (0)		
Overloaded (0)		
Warning (0)		
mania (u)		



6. Specify the following details:

JDBC Datasource Name	Name of the Datasource
JNDI Name	JNDI for lookup
Database Type	Oracle

7. Click 'Next'.

🖉 Create a New JDBC Data Source - fcub	s113_domain - WLS Console - Windows Internet Explorer	
🚱 🗸 🖉 http://10.184.74.143:8888/com	nsole/console.portal?CreateGlobalJDBCDataSourcePortlet_actionOverride=/com/bea/console/actions/jdbc/datasources/createjdbc	cdatasource/selec 💙 🐓 🗙 Google Powered Pandion Search 🖉 🔎
Eile Edit <u>Vi</u> ew Favorites <u>T</u> ools <u>H</u> elp @ McAfee* // •		
🚖 🎄 🌈 Create a New JDBC Data Source - f	cubs113_domain	🟠 🔹 🗟 🔹 🖶 🕈 🔂 Page 🔹 🎯 Tgols 🔹 🎽
	Administration Console	Q 🗠
Change Center	🔒 Home Log Out Preferences 🗁 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC Data Source           Back         Next         Finitin         Cancel           JDBC Data Source Properties         The following properties will be used to identify your new JDBC data source.	
Domain Structure	Database Type: Orade	
Fouber 113_domain     Image: Constraint of the image: Constraintow of the image: Constraintoo the image: Constraintoo th	What database driver would you like to use to greate database connections? Note: " indicates that the driver is explicitly sup Database Driver: "Oracle's Driver (Thin) for Instance connections; Versions: 9.0.1 and later Back Next Finish Cancel	oported by Oracle WebLogic Server.
System Status  Health of Running Servers		
Faled (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)		

8. Select the database driver as shown in the figure. Click 'Next'.



Following screen is displayed:

	s113_domain - WLS Console - Windows Internet Explorer	
🔄 😔 👻 http://10.184.74.143:8888/cor	sole/console.portal?CreateGlobalJDBCDataSourcePortlet_actionOverride=/com/bea/console/actions/jdbc/datasources/creat	ejdbcdatasource/selec 👻 🐓 🗙 Google Powered Pandion Search 🖉 🔎
∃le Edit <u>Vi</u> ew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp ⑦ McAfee' / ▼		
🖌 💠 🌈 Create a New JDBC Data Source - f	cubs113_domain	🚹 🔹 🗟 👘 🖶 Bage 🕶 🎯 Tgols 🗸
ORACLE WebLogic Server®	Administration Console	Ö
Change Center	🔒 Home Log Out Preferences 🗁 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit	Create a New JDBC Data Source           Back         Next         France           Transaction Options         Cancel	
Release Configuration	You have selected non-XA JDBC driver to create database connection in your new data source.	
Domain Structure	Does this data source support global transactions? If yes, please choose the transaction protocol for this data source.	
Club S12 domain     Control Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Control     Contro     Control     Control	Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transactions Congoing Last Resource Select this option if you want to enable non-XA JDBC connections from the data source to enulate participation in global	
XML Registries XML Entity Caches 	heuristic conditions.  Emulate Two-Phase Commit	
How do I 🖂	Select this option if you want to enable non-XA JDBC connections from the data source to participate in global transaction other resources can participate in the global transaction.	ons using the one-phase commit transaction processing. With this option, no
Create JDBC generic data sources     Create LLR-enabled JDBC data sources  System Status	One-Phase Commit     Back Next Finish Cancel	
Health of Running Servers		
Faied (0)           Critical (0)           Overloaded (0)           Warning (0)           O((2))		

9. Select Logging Last Resource then uncheck 'Support Global Transactions'. Click 'Next'. The following screen is displayed:

Create a New JDBC Data Source - fcub	os113_domain - WLS Console - Windows Internet E	xplorer	
🗿 🕤 👻 http://10.184.74.143:8888/co	nsole/console.portal?CreateGlobalJDBCDataSourcePortlet_action	nOverride=/com/bea/console/actions/)dbc/datasources,	(createjdbcdatasource/addC 💌 🔄 🗙 🛛 Google Powered Pandion Search 💦 🔎
Ele Edit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp © McAfee / •			
🖌 🔅 🌈 Create a New JDBC Data Source -	fcubs113_domain		🟠 🔹 🗟 👘 🖶 Page + 🎯 Tools +
	Administration Console		Q
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: fcubs113_domain
/iew changes and restarts	Home >Summary of JDBC Data Sources		
to pending changes exist. Click the Release Configuration button to allow others to edit the	Create a New JDBC Data Source		
Jonain.	Back Next Finish Cancel		
Release Configuration	Connection Properties		
Release comiguration	Define Connection Properties.		
omain Structure	What is the name of the database you would like to conne	ct to?	
ubs113_domain A B-Environment	Database Name:	KERDEV2	
B-Services	What is the name or IP address of the database server?		
Data Sources Persistent Stores	Host Name:	10.10.10.10	
Foreign JNDI Providers Work Contexts	What is the port on the database server used to connect t	to the database?	
XML Registries	Port:	1010	
јСОМ		1010	
File T3	What database account user name do you want to use to	create database connections?	
tow do I 😑	Database User Name:	FCPB1121	
Create JDBC generic data sources Create LLR-enabled JDBC data sources	What is the database account password to use to create of	database connections?	
vstem Status	Password:	•••••	
Health of Running Servers	Confirm Password:	•••••	
Failed (0)			
Critical (0) Overloaded (0)	Back Next Finish Cancel		
Warning (0)			
OK (2)			



- 10. This screen defines the connection properties. Set the details as given below:
- 11. Specify the Database Name, Host Name, Port of the database server to connect, Database User Name and Password. Confirm the password.
- 12. Click 'Next'. The following screen is displayed.

🖉 Create a New JDBC Data Source - fcubs	113_domain - WLS Console - Windows Internet Explore	ŧr		- 🗙
🚱 🕤 👻 http://10.184.74.143:8888/conv	sole/console.portal?CreateGlobalJDBCDataSourcePortlet_actionOverri	de=/com/bea/console/actions/jdbc/datasources/createjdbc	datasource/test( 🔽 🐓 🗙 Google Powered Pandion Search	۰ ۹
Ele Edit View Fgvorites Iools Help				
😡 McAfee' 🖉 🕶				
🚖 🕸 🌈 Create a New JDBC Data Source - fo	ubs113_domain		🟠 🔹 🖾 👘 🖶 Page 🗸 🎲 Tgok	- "
	Administration Console		Ģ	^
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: fcubs113_doma	in
View changes and restarts	Home >Summary of JDBC Data Sources			
No pending changes exist. Click the Release Configuration button to allow others to edit the	Create a New JDBC Data Source			
domain.	Test Configuration Back Next Finish Cancel			
Release Configuration	Test Database Connection			
Rebuilde configuration	Test the database availability and the connection properties you	provided.		
Domain Structure	What is the full package name of JDBC driver class used to create	database connections in the connection pool?		
fcubs113_domain	(Note that this driver class must be in the classpath of any server	to which it is deployed.)		
Deployments EServices				
•Messaging	Driver Class Name:	oracle.jdbc.OracleDriver		Ξ
***Data Sources ***Persistent Stores	What is the URL of the database to connect to? The format of the	URL varies by JDBC driver.		
···Foreign JNDI Providers	URL:			
Work Contexts	URE:	jdbc:oracle:oci:@10.10.10		
XML Entity Caches	What database account user name do you want to use to create o	latabase connections?		
Mail Sessions	Database User Name:	FCPB1121		
i i-File T3		FCPB1121		
How do I	What is the database account password to use to create database	e connections?		
Create JDBC generic data sources     Create LLR-enabled JDBC data sources	(Note: for secure password management, enter the password in t	he Password field instead of the Properties field below)		
Create LLR-enabled JUBC data sources				
System Status	Password:	•••••		
Health of Running Servers	Confirm Password:			
Failed (0)		•••••		
Critical (0)	What are the properties to pass to the JDBC driver when creating	database connections?		
Overloaded (0)	Properties:			
Warning (0) OK (2)	user=FCPB1121			
OK (2)				
		×		
	The set of driver properties whose values are derived at runtime f	rom the named system property.		
	Sustan Departies			~
Done			Second State 🔍 100%	• ,

- 13. Specify the Driver Class Name (Eg: oracle.jdbc.OracleDriver)
- 14. Specify the URL.
- Default URL: jdbc:oracle:thin:@10.10.10.10:1001:<INSTANCE\_NAME>. Change the default URL to: jdbc:oracle:oci:@10.10.10:1010:<INSTANCE\_NAME>
- 15. Specify the Database Username (Eg: testdb) and password.
- 16. Confirm the password.
- 17. Click 'Test Configuration' tab.



**18.** If the connection is established successfully, the message 'Connection test succeeded' is displayed.

Create a New JDBC Data Source - fcubs	s113_domain - WLS Console - Windows In	ternet Explorer				
	sole/console.portal?CreateGlobalJDBCDataSourcePor	rtlet_actionOverride=/com/bea/console/actions/jdbc/datasources/createjdbcdatasou	rce/test 💙 😽 🗙 Google Powered Pandion Search 🖉 🔻			
Ele Edit View Favorites Iools Help McAfee •						
🚖 🚸 🌈 Create a New JDBC Data Source - fo	:ubs113_domain		🏠 🔹 🔝 👘 🖶 🔹 🔂 Eage 🔹 🎯 Tgols 🔹 🎽			
	Administration Console		Q 🏫			
Change Center	🏠 Home Log Out Preferences 🔤 Record He	elp	Welcome, weblogic Connected to: fcubs113_domain			
View changes and restarts	Home >Summary of JDBC Data Sources					
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Messages Connection test succeeded.					
Lock & Edit	Create a New JDBC Data Source					
Release Configuration	Test Configuration Back Next Finish	Cancel				
Domain Structure	Test Database Connection					
fcubs113 domain	Test the database availability and the connection	on properties you provided.				
B-Environment	What is the full package name of JDBC driver da	iss used to create database connections in the connection pool?				
Deployments E-Services IP-Messaging	(Note that this driver class must be in the classp		E			
Data Sources     Persistent Stores     Foreign JNDI Providers	Driver Class Name:	oracle.jdbc.OracleDriver				
Work Contexts	What is the URL of the database to connect to?	The format of the URL varies by JDBC driver.				
XML Entity Caches 	URL:	jdbc:oracle:oci:@10.10.10				
Fie T3	What database account user name do you want	to use to create database connections?				
How do L	Database User Name:	FCPB1121				
Create LLR-enabled JDBC data sources	What is the database account password to use t	to create database connections?				
System Status		the password in the Password field instead of the Properties field below)				
Health of Running Servers	Password:	••••••				
Failed (0)						
Critical (0) Overloaded (0)	Confirm Password:	•••••				
Warning (0)	What are the properties to pass to the JDBC driver when creating database connections?					
OK (2)						
	Properties: user=FCPB1121					
	user=FCPB1121					
Done			Succal intranet			

**19.** Click 'Next'. The following screen is displayed:

Pending changes exist. They must be activated to take effect.	Create a New JDBC Data Source
Activate Changes Undo All Changes	Back Next Cancel
Domain Structure SOADOM3 ⊕-Domain Partitions ⊕-Environment	Select Targets You can select ere or more targets to deploy your new JDBC data source. If you don't select a target, the data source will be created but not deployed. You will need to deploy the data source at a later time. Servers
DeploymentsDeployments B-MessagingData SourcesPersistent StoresForeign JNDI Providers	AdminServer     Soa_server1
Work Contexts XML Registries XML Enkity Caches 	Back Next Finish Cancel
How do I	
Create JDBC generic data sources     Create LLR-enabled JDBC data sources	
System Status	
Health of Running Servers as of 8:12 PM	
Failed (0) Critical (0) Critical (0) Warning (0)	



**20.** Check the boxes against the required servers(for data source jdbc/fcjdevDS, it is mandatory to check the admin server as well as application-deployed server). Click 'Finish'. The following screen is displayed:

nowing screen is							
		nain - WLS Console - Windows Internet Exp le.portal?_nfpb=true8_paget.abel=Global3DBCDataSou			← X Google Powered Pandion Search		
le Edit View Favorites Tools Help	onsole/consol	e.portar_hrpp=trues_pageLabel=GlobaUDBCDataSol	irce i abierrage	×			
McAfee'							
🕻 🍄 🎉 Summary of JDBC Data Sources -	fcubs113_dor	main			🟠 🔹 🗟 👘 🖶 🔹 📴 Bage 🔹 🎯 Tools		
	<sup>®</sup> Administr	ration Console			Q		
Thange Center	🔒 Home Log Out Preferences 🔤 Record Help				elcome, weblogic Connected to: fcubs113_domai		
/iew changes and restarts	Home	>Summary of JDBC Data Sources					
ending changes exist. They must be activated o take effect.	Summa	Summary of JDBC Data Sources					
Activate Changes	Config	guration Monitoring					
Undo All Changes		PC data course is an object bound to the 1NDT tree that	t provideo databaco con	ectivity through a pool of JDBC connections. Applications c	to look up a data course on the WDT tree and then		
	borro	be data source is an object bound to the JNDI tree than ow a database connection from a data source.	t provides database conr	ectivity through a poor of JUBC connections. Applications c	an look up a data source on the JND1 tree and then		
omain Structure	This ;	page summarizes the JDBC data source objects that ha	we been created in this d	omain.			
ibs113_domain   Environment							
"Deployments	Cust	tomize this table					
Services							
⊞-Messaging	Data	Sources (Filtered - More Columns Exist)					
Data Sources     Persistent Stores	New  Delete Showing 1 to 3 of 3 Previous   Next						
Foreign JNDI Providers							
Work Contexts		Name 🐟	Туре	JNDI Name	Targets		
XML Registries XML Entity Caches		FCUBS113	Generic	jdbc/fcjdevDS	ManagedServer1		
jCOM Mail Sessions		FCUBS113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer 1		
Fie T3		FLEXTEST.WORLD	Generic	FLEXTEST.WORLD	AdminServer		
w do I			Generic				
Create JDBC generic data sources	Nev	Delete			Showing 1 to 3 of 3 Previous   Next		
Create JDBC GridLink data sources							
Create JDBC multi data sources							
Delete JDBC data sources	1						
Delete JDBC multi data sources							
stem Status	ā –						
ealth of Running Servers							
Failed (0)	1						
	1						
Critical (0)							
Overloaded (0)							

**21.** Click 'Activate Changes' button. Click 'Activate Changes' button on the left pane.



The message 'All the changes have been activated. No restarts are necessary' is displayed.

Summary of JDBC Data Sources - fcub	s113_domain - WLS Console - Windows Internet B	xplorer						
🕒 🕤 👻 http://10.184.74.143:8888/coi	nsole/console.portal?_nfpb=true&_pageLabel=http://10.184.7	4.143:8888/console/consol	a,portal?_nfpb=true&_pageLabel=GlobalJDBCDataSourc 💌	Google Powered Pandion Search				
Ele Edit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp © McAfee /								
🖌 🏟 🌈 Summary of JDBC Data Sources - fo	cubs113_domain			🏠 🔹 🔝 👘 🖶 🔹 📴 Bage 🔹 🎯 Tgols 🔹				
ORACLE WebLogic Server®	Administration Console			Ŏ				
Change Center	🔞 Home Log Out Preferences 🔤 Record Help	We	Welcome, weblogic Connected to: fcubs113_domain					
View changes and restarts	Home >Summary of JDBC Data Sources							
Click the Lock & Edit button to modify, add or delete items in this domain.	Messages							
Lock & Edit	Summary of JDBC Data Sources							
Release Configuration	Configuration Monitoring							
<sup>™</sup> Deployments <sup>™</sup> Deployments <sup>®</sup> Services <sup>®</sup> <sup>®</sup> Messaging <sup>®</sup> <sup>®</sup> Data Sources <sup>®</sup> <sup>®</sup> Persistent Stores <sup>™</sup> <sup>®</sup> Persistent Stores <sup>™</sup> <sup>®</sup> NUP Aroviders <sup>™</sup> <sup>®</sup>	This page summarizes the JDBC data source objects that have been created in this domain.   Customize this table  Data Sources (filtered - Hore Columns Exist)  Click the Look & Editbutton in the Change Center to activate all the buttons on this page.  Filter V Delete  Showing 1 to 3 of 3 - Previous   Next							
	Name 🏟	Туре	JNDI Name	Targets				
How do I	FCUBS113	Generic	jdbc/fcjdevDS	ManagedServer1				
Create JDBC generic data sources	FCUBS113Branch	Generic	idbc/fcidevDSBranch	ManagedServer 1				
Create JDBC GridLink data sources     Create JDBC multi data sources	FLEXTEST.WORLD	Generic	FLEXTEST.WORLD	AdminServer				
<ul> <li>Delete JDBC data sources</li> <li>Delete JDBC multi data sources</li> <li>Delete JDBC multi data sources</li> </ul>	New Y Delete		1	Showing 1 to 3 of 3 Previous   Next				
System Status  System Status Health of Running Servers Faled (0) Critical (0) Overloaded (0)								
Warning (0) OK (2)								

- 22. 'FCUBSDS' datasource is created.
- **23.** Click the datasource, and then click on the Connection Pool tab.



	dministration Console						Q
Change Center	🔒 Home Log Out Preferences 🛛	Record Help			Q		Welcome, weblogic Connected to: DefaultDomai
View changes and restarts	Home >Summary of Services: JDBC	>Summary of JDBC	Data Sources	s >fcjdevDS	>Summary of	Services: JDBC >Summ	ary of JDBC Data Sources >fcjdevDS >Summary of JDBC Data Sources > <b>fcjdevDS</b>
Configuration editing is enabled. Future changes will automatically be activated as you	Settings for fcjdevDS						
modify, add or delete items in this domain.	Configuration Targets Mon	itoring Control	Security	Notes			
Domain Structure	General Connection Pool 1	Transaction Diag	gnostics I	dentity Opt	ons		
DefaultDomain	Save						
Services     Hessaging     Hessaging     DBC    Persistent Stores    Foreign JNDI Providers	The connection pool within a JDBC within it are created when the cor Use this page to define the config	nnection pool is reg	gistered, usu	ally when s	arting up Wel	t applications reserve, bLogic Server or when	use, and then return to the pool. The connection pool and the connections deploying the data source to a new target.
Coherence Clusters Work Contexts XML Registries	of URL:	jdbc:oracle:o	oci:@10.10	0.10.10:10	10:CPU11G	2	The URL of the database to connect to. The format of the URL varies by JDBC driver. More ${\rm Info}\ldots$
XML Entity Caches	🏀 Driver Class Name:	oracle.jdbc.0	OracleDrive	ır			The full package name of JDBC driver class used to create the physical database connections in the connection pool. (Note that this driver class must be in the classpath of any server to which it is deployed.) More Info
100 00 1	🚰 Properties:						The list of properties passed to the JDBC driver that are used to create
Create JDBC data sources     Configure testing options for a JDBC data     source     Configure the statement cadhe for a JDBC     connection pool     Configure and the statement of the st	user=FC1202tune						physical database connections. For example: server edbasever L List each property-walue pair on a separate line. More Info
System Status	街 Password:	•••••	•••••	••			The password attribute passed to the JDBC driver when creating physical database connections. More Info
Health of Running Servers Failed (0)	Confirm Password:	•••••	•••••	••			
Critical (0) Overloaded (0)	Initial Capacity:	1					The number of physical connections to create when creating the connection pool. More Info
Warning (0) OK (1)	Maximum Capacity:	15					The maximum number of physical connections that this connection pool can contain. More $\mbox{Info}\ldots$
	Capacity Increment:	1					The number of connections created when new connections are added to the connection pool. More Info
	🏀 Statement Cache Type:	LRU 👻					The algorithm used for maintaining the prepared statements stored in the statement cache. More Info
	Statement Cache Size:	200					The number of prepared and callable statements stored in the cache. (This may increase server performance.) More Info
	Advanced Save						

- 24. Select the statement cache type as 'LRU'.
- 25. Specify the statement cache size as '200'.
- 26. Click 'Save'.
- 27. Refer to "Resources\_To\_ Be\_Created.doc" for the list of Non-XA datasources to be created.

### Note the following

- You need to create another data source for Oracle FCUBS with the JNDI name '<Non-XA FCUBS HOST JNDI name>\_ASYNC' for batch process. For example, if the Oracle FCUBS HOST Non XA data source JNDI name is 'jdbc/fcjdevDS', then you need to create another data source for FCUBS with the JNDI name 'jdbc/fcjdevDS\_ASYNC'.
- While creating a branch using the 'Branch Parameters Maintenance' (STDBRANC) screen, if you have created a data source for the branch, then you need to create a corresponding ASYNC data source with the JNDI name '<Non-XA FCUBS BRANCH JNDI name>\_ASYNC'.
- You need to create another data source for Oracle ELCM with the JNDI name '<ENTITY\_ID JNDI name>\_EL'. For example, if the Oracle FCUBS HOST Non XA data source JNDI name is 'jdbc/fcjdevDS', then you need to create another data source for FCUBS with the JNDI name 'jdbc/fcjdevDS\_EL'. Ensure that the checkbox "Support Global Transaction" is checked and select "Emulate Two-Phase Commit" for ELCM data source.



• Tthe following are the list of datasources that can be created depending on the requirement. Please refer to the document Resources\_to\_ be\_created.docx for more information -

Purpose	Datasource Name	JNDI Name
FCUBS	FCUBS Data source	jdbc/fcjdevDS
SMS	SMS_Datasource jdbc/fcjdevDSSMS	
VAMS	VAMS_DATASOURCE	jdbc/fcvamDS
Gateway	FLEXTEST.WORLD	FLEXTEST.WORLD
Async data source	FCUBS DS_ASYNC	jdbc/fcjdevDS_ASYNC
Scheduler	Scheduler_Datasource	jdbc/fcjSchedulerDS

## 7.2.2 JMS Server Creation

Follow the steps given below:

1. Start the Administrative Console of Weblogic application server. You can start this by entering Oracle Weblogic Admin Console URL in the address bar in an internet browser.

http://10.10.10.10:1001/console Eg: http://10.10.10.10:1001/console

Following screen is displayed:



- 2. Specify the Weblogic administrator user name and password. Click 'Log In'.
- 3. Navigate to Oracle Weblogic home page.



🗲 🕞 🔻 🙋 http://10.184.74.143:8888/c	console/console.portal?_nfpb=true&_pageLabel=HomePage1		👻 🖘 🗙 Google Powered Pandion Search 🖉
e Edit View Favorites Iools Help McAfee /			
🖗 🌈 Home Page - fcubs113_domain - '	WLS Console		🟠 🔹 🗟 🔹 🖶 😨 Page 🕶 🎯 Tools 🤜
	Administration Console		Q
hange Center	🔒 Home Log Out Preferences 🔤 Record Help		Welcome, weblogic Connected to: fcubs113_domain
iew changes and restarts	Home		
lick the Lock & Edit button to modify, add or elete items in this domain.	Home Page		
Lock & Edit	- Information and Resources		
	Helpful Tools	General Information	
	Configure applications	Common Administration Task Descriptions	
	<ul> <li>Configure GridLink for RAC Data Source</li> </ul>	<ul> <li>Read the documentation</li> </ul>	
omain Structure	<ul> <li>Recent Task Status</li> </ul>	<ul> <li>Ask a question on My Oracle Support</li> </ul>	
ubs113_domain - Environment	<ul> <li>Set your console preferences</li> </ul>	<ul> <li>Oracle Guardian Overview</li> </ul>	
Deployments }-Services	- Domain Configurations		
- Services Security Realms	Domain	Services	Interoperability
Interoperability	Domain	Messaging	WTC Servers
Diagnostics		<ul> <li>JMS Servers</li> </ul>	Jolt Connection Pools
	Environment	<ul> <li>Store-and-Forward Agents</li> </ul>	
	Servers	<ul> <li>JMS Modules</li> </ul>	Diagnostics
	Clusters	<ul> <li>Path Services</li> </ul>	Log Files
	Virtual Hosts	<ul> <li>Bridges</li> </ul>	Diagnostic Modules
	Migratable Targets	Data Sources	Diagnostic Images
ow do I	Coherence Servers	<ul> <li>Persistent Stores</li> </ul>	Request Performance
	Coherence Clusters	XML Registries	Archives
Search the configuration	Machines	XML Entity Caches	Context
Use the Change Center	Work Managers	<ul> <li>Foreign JNDI Providers</li> </ul>	SNMP
Record WLST Scripts	<ul> <li>Startup And Shutdown Classes</li> </ul>	<ul> <li>Work Contexts</li> </ul>	
Change Console preferences		• jCOM	Charts and Graphs
Monitor servers	Your Deployed Resources	Mail Sessions	<ul> <li>Monitoring Dashboard IP</li> </ul>
	Deployments	FileT3	
ystem status		• JTA	
ealth of Running Servers	Your Application's Security Settings		
Failed (0)	Security Realms		
Critical (0)			
Overloaded (0)			
Overloaded (0)			

4. Following screen is displayed:



Summary of JMS Servers - fcubs113_d	lomain - WLS Console - Windows	Internet Explorer				_ @ 🛛
🔆 💽 🗸 🙋 http://10.184.74.143:8888/cor	nsole/console.portal?_nfpb=true&_pageL	abel=JmsServerJMSServerTablePage		✓ 47 ×	Google Powered Pandion Search	P -
Elle Edit View Favorites Tools Help						
😤 🏘 🏉 Summary of JMS Servers - fcubs113	3_domain - WLS C			â	🔹 🖾 🐘 🖷 🔂 Bage 🔹 🎯	Tgols •
	Administration Console					<u>o</u>
Change Center	🔒 Home Log Out Preferences 🛆			Welcome, w	veblogic Connected to: fcubs113_d	lomain
View changes and restarts	Home >Summary of JDBC Data Source	es > FLEXTEST.WORLD > Summary of JMS Servers				
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of JMS Servers					
Lock & Edit Release Configuration	-	ontainers for the queues and topics in JMS modules that a vers that have been created in the current WebLogic Ser	-			
Domain Structure fcubs 113_domain H-Environment -Deployments -Services	Customize this table JMS Servers (Filtered - More C Click the <i>Lock &amp; Edit</i> button in the	Columns Exist) Change Center to activate all the buttons on this page.				
-Messaging	New Delete				Showing 0 to 0 of 0 Previous   Ne	ext
Store-and-Forward Agents JMS Modules	🔲 Name 🗇	Persistent Store	Target	Current Server	Health	
Path Services  B-Bridges		There a	re no items to display			
Data SourcesPersistent StoresForeign JNDI ProvidersWork Contexts	New Delete				Showing 0 to 0 of 0 Previous   Ne	ext
How do I						
Configure JMS servers     Configure JMS system modules						
System Status						
Health of Running Servers						
Failed (0)						
Critical (0)						
Overloaded (0)						
Warning (0)						
OK (2)						

5. Expand 'Services' and then 'Messaging' and 'JMS Server 'under it. Click 'Lock & Edit' button.

C Summary of JMS Servers - fcubs113_d	lomain - WLS Console - Windows	Internet Explorer				
🗿 💮 👻 👔 http://10.184.74.143.8888/console.portal?_r/pb=truespageLabel=3msServer/MSServerTablePage 🔍 😚 🗙 Google Powered Pandom Search 👂 🕫						
E Edk Yew Favorites Lools Help O McAfee 1 -						
👷 🏟 🌈 Summary of JMS Servers - Foulds 113_domain - WLS C 📄						
	Administration Console				Q 🖸	
Change Center	🔒 Home Log Out Preferences 🔤	Record Help		Welcome, weblo	gic Connected to: fcubs113_domain	
View changes and restarts	Home >Summary of JDBC Data Source	es >FLEXTEST.WORLD >Summary of JMS Se	vers			
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Summary of JMS Servers					
Lock & Edit	JMS servers act as management co	ntainers for the queues and topics in JMS mo	dules that are targeted to them.			
Release Configuration	This page summarizes the JMS serv	ers that have been created in the current W	ebLogic Server domain.			
Domain Structure	Customize this table					
fcubs113_domain  Environment	JMS Servers (Filtered - More Co	olumns Exist)				
Deployments	New Delete		s	Showing 0 to 0 of 0 Previous   Next		
⊖-Services ⊖-Messaging	Name 🔅	Persistent Store	Target	Current Server	Health	
<u>JMS Servers</u> Store-and-Forward Agents		Tersistene store	There are no items to display	current server	incontai	
···JMS Modules	New Delete		There are no items to display			
Path Services ⊞-Bridges	INGM Delete			5	Showing 0 to 0 of 0 Previous   Next	
Data Sources Persistent Stores						
Foreign JNDI Providers						
1 Prwork Contexts						
How do I						
Configure JMS servers     Configure JMS system modules						
Comigure shis system modules						
System Status						
Health of Running Servers						
Failed (0)						
Critical (0)						
Overloaded (0)						
Warning (0) OK (2)						



6. Click 'New'.

🏉 Create a New JMS Server - fcubs113_	domain - WLS Console - Windows Interne	et Explorer	🔳 🗗 🗙
	nsole/console.portal?_nfpb=true&_pageLabel=Jms5	ierverCreateJMSServer&JmsServerCreateJMSServerPortlet_actionOverride=/com/be	za/console) 👻 🔄 🗙 Google Powered Pandion Search 🖉 🔹
File Edit View Favorites Tools Help			
O McAfee'			
🔶 🏟 🌈 Create a New JMS Server - fcubs11	13_domain - WLS C		🏠 🔻 🔝 🔹 🖶 🕈 🔂 Page 🕶 🎯 Tools 📼 🎽
ORACLE WebLogic Server®	Administration Console		Q 🔺
Change Center	🔒 Home Log Out Preferences 🔤 Record I		Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXT	EST.WORLD >Summary of JMS Servers	
No pending changes exist. Click the Release Configuration button to allow others to edit the	Create a New JMS Server		
domain.	Back Next Finish Cancel		
	JMS Server Properties		
Release Configuration	The following properties will be used to identif	fy your new JMS Server.	
Domain Structure	* Indicates required fields		
fcubs113_domain	What would you like to name your new JMS Ser	nar <sup>3</sup>	
-Environment		i ve t	
Services     Bernessaging	🦺 * Name:	FCUBS_JMSServer	
	Specify persistent store for the new JMS Serve	5r	
Store-and-Forward Agents			
Path Services	Persistent Store:	(none) 🗸 Create a New Store	
Bridges     Data Sources	Back Next Finish Cancel		
Persistent Stores			
Foreign JNDI ProvidersWork Contexts			
How do I			
Configure JMS system modules			
Configure custom persistent stores			
Surtam Statur			
System Status			
Health of Running Servers			
Failed (0)			
Critical (0) Overloaded (0)			
Warning (0)			
OK (2)			

7. Specify the following details:

JMS Server Name Specify the name of JMS Server.	
-------------------------------------------------	--

- 8. Click 'Create a new Store' button. The following screen is displayed.
- 9. Select 'File Store' as the type and click 'Next'.



🖉 Create a New JMS Server - fcubs113_	domain - WLS Console - Windows Internet Explorer	
🚱 🗸 🖉 http://10.184.74.143:8888/com	nsole/console.portal?JmsServerCreateJMSServerPortlet_actionOverride=/com/bea/console/actions/jms/server/createjmsserver/newStore	Google Powered Pandion Search
Elle Edit Yiew Favorites Tools Help		
😭 🏟 🏀 Create a New JMS Server - fcubs11	I3_domain - WLS C	🏠 🔻 🖾 🔹 🖶 🕈 📴 Bage 🕶 🍈 T <u>o</u> ols 👻 🎽
	Administration Console	
Change Center	The Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JHS Server           Dark         From         Cancel           Select a store type.         Please select the type of store you wish to create from the lat.	
Domain Structure	Type:	
fcds 113 domain	Back Next Frieff Cancel	
System Status		
Health of Running Servers		
Faled (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)		

#### Following screen is displayed:

	Iministration Console 12c		
Change Center	Home Log Out Preferences	Record Help	Welcon
View changes and restarts	Home >Summary of Security Realm	ns >Summary of Persistent Stores >FCUBSFleStore >Summary of Persistent Stores	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New File Store Back Next Finish Ca	ancal	
Lock & Edit Release Configuration	File Store Properties	used to identify your new file store.	
Domain Structure	* Indicates required fields		
PM122ITR2  Domain Partitions  -Environment  -Deployments  -Services  -Building	What would you like to name you * Name:	wr new file store? FileStore-0	
Hessaging     ''Data Sources     ''Persistent Stores     ''Foreign JNDI Providers     ''Work Contexts     ''Work Registries	What scope do you want to creat	Global	
XML Entity Caches 	The pathname to the directory o Directory:	on the file system where the file store is kept. This directory must exist on your system, so be sure to create it before completing this tab.           C/FCUBS_FileStore         x	
How do I	Back Next Finish Ca	incel	
Create File Stores     Monitor persistent stores			
System Status			
Health of Running Servers			
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)			

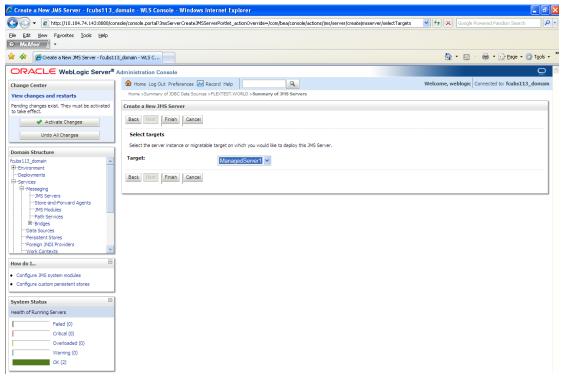
- 10. To identify the new File Store, specify the following properties:
  - Specify the file store name as FCUBS\_FileStore.
  - Select a server. For this file store, you may select ManagedServer1 (created by the user).
  - Specify the Filestore Directory path as C:/FCUBS\_FileStore.
  - o Click 'OK'.

The following screen is displayed with message 'File store created successfully'.



#### 11. Click 'Next'.

🖉 Create a New JMS Server - fcubs113_	domain - WLS Console - Windows Internet Explorer	
🚱 🕤 🕶 🙋 http://10.184.74.143:8888/com	nsole/console.portal?3msServerCreate3MSServerPortlet_actionOverride=/com/bea/console/actions/jms/stores/createjmsfilestore/finish	Google Powered Pandion Search
Ele Edit View Favorites Tools Help		
🚖 🏟 🌈 Create a New JMS Server - fcubs11	3_domain - WLS C	🛐 🔹 🔝 🔹 🖶 🔹 📴 Bage 👻 🎯 Tools 🔹 🎽
	Administration Console	Q
Change Center	🕯 Home Log Out Preferences 🐼 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers	
Pending changes exist. They must be activated to take effect.	Messages # File store created successfully.	
Activate Changes	Create a New JMS Server	
Undo All Changes	Brock Next Enish Cancel	
Domain Structure	JMS Server Properties	
	The following properties will be used to identify your new JMS Server. * Indicates required fields What would you like to name your new JMS Server?	
Configure custom persistent stores		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0) OK (2)		
UN (2)		



12. Select the target managed server. Click 'Finish'.



Summary of JMS Servers - fcubs113_	_domain	n - WLS Console - Windows Interne	t Explorer			- 8
🔁 🕤 🔻 🙋 http://10.184.74.143:8888/cc	onsole/cor	onsole.portal?_nfpb=true&_pageLabel=JmsS	erverJMSServerTablePage		Google Powere	d Pandion Search
je Edit Vjew Favorites Iools Help ● McAfee // ・						
🕈 🍄 🌈 Summary of JMS Servers - fcubs11	13_domair	in - WLS C			🏠 • 🖻 - 🖶	🔹 🔂 Page 🔹 🍈 Tools 🔹
	Admin	nistration Console				Q
hange Center	6	Home Log Out Preferences 🔤 Record H	Help		Welcome, weblogic Conne	cted to: fcubs113_domain
iew changes and restarts	Ho	ome >Summary of JDBC Data Sources >FLEXT	EST.WORLD >Summary of JMS Servers			
ending changes exist. They must be activated o take effect.		ssages IMS Server created successfully				
Activate Changes	Gum	nmary of JMS Servers				
Undo All Changes	Juli	initiary of JF15 SCIVEIS				
ondo Ali ondigeo		114C	or the queues and topics in JMS modules that a			
omain Structure		-		-		
ubs113 domain	T	This page summarizes the JMS servers that h	ave been created in the current WebLogic Ser	ver domain.		
Environment						
Deployments	₽c	Customize this table				
Services		uc carrow (characterized and calarate				
-Messaging	JI	MS Servers (Filtered - More Columns E	xist)			
Store-and-Forward Agents		New Delete			Showing 1 to	1 of 1 Previous   Next
JMS Modules	1.10					
Path Services		🔲 Name 🖚	Persistent Store	Target	Current Server	Health
I⊞-Bridges Data Sources		FCUBS_JMSServer	FCUBS_FileStore	ManagedServer1	ManagedServer1	
Persistent Stores		FCUBS_JMSServer	rcobs_niestore	Manageuserveri	Manageuserveri	
Foreign JNDI Providers		New Delete			Showing 1 to	1 of 1 Previous   Next
Work Contexts						
low do I						
Configure JMS servers						
Configure JMS system modules						
vistom Statur	- -					
ystem Status						
ealth of Running Servers						
Failed (0)	1					
Critical (0)	I					
Overloaded (0)	I					
Overloaded (0) Warning (0) OK (2)						

- 13. The message 'JMS Server created successfully' is displayed.
- 14. Click 'Activate Changes' under Change Center. The message 'All changes have been activated. No restarts are necessary' is displayed.

## 7.2.3 JMS Modules Creation

Follow the steps given below:

1. Navigate to the WEBLOGIC Home Page. Click 'JMS Modules' on domain structure by expanding 'Messaging'.



## The following screen is displayed:

🖉 JMS Modules - fcubs113_domain - WL	S Console - Windows Internet Explorer					
🚱 🕤 👻 http://10.184.74.143:8888/co	nsole/console.portal?_nfpb=true&_pageLabel=JmsModulesTablePage	Google Powered Pandion Search				
Eile Edit Yiew Favorites Tools Help						
😭 🏟 🄏 JMS Modules - fcubs113_domain - V	WLS Console	🏠 🔹 🔝 🔹 🖶 🔹 📴 Bage 🕶 🎯 Tgols 👻				
ORACLE WebLogic Server®	Administration Console	Q 🖄				
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain				
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources >FLEXTEST.WOR	RLD >Summary of JMS Servers >JMS Modules				
Click the Lock & Edit button to modify, add or delete items in this domain.	JMS Modules					
Lock & Edit Release Configuration	3WS system resources are configured and stored as modules similar to standard JDEE modules. Such resources include queues, topio distributed queues, distributed topics, foregn servers, and JMS store-and-forward (SAF) parameters. You can administratively cont resources. This page summarizes the JMS system modules that have been created for this domain.					
Domain Structure fcubs113 domain						
Denvironment	₽ Customize this table					
Deployments Services	JMS Modules					
	Click the Lock & Editbutton in the Change Center to activate all the buttons on this page.					
JMS Servers Store-and-Forward Agents						
	New Delete	Showing 0 to 0 of 0 Previous   Next				
Path Services	□ Name ↔ Type					
Data Sources	There are no items to display					
	New Delete Showing 0 to 0 of 0 Previous					
-Work Contexts						
How do I						
Configure JMS system modules						
Configure resources for JMS system modules						
System Status						
Health of Running Servers						
Failed (0)						
Critical (0)						
Overloaded (0)						
Warning (0)						
OK (2)						

2. For creating New JMS System Modules, click 'Lock & Edit' button.

🧭 JMS Modules - fcubs113_domain - WLS	S Console - Windows Internet Explorer					
🔆 🐑 🐑 👔 http://10.164.74.143.8888/console/console.portal?_rfpb=true&_paget.abel=http://10.164.74.143.8888/console/console.portal?_rfpb=true&_paget.abel=1msModulesTableFage 💌 4+ 🔀 Google Powered Pardon Search 🛛 🖉						
Eile Edit Yiew Favorites Tools Help • McAfee / •						
🚖 🎄 🌈 JMS Modules - fcubs113_domain - W	VLS Console		🐴 👻 🗟 🕤 🖶 Tools 🔹 🎇			
	Administration Console		Q 🗠			
Change Center	🏫 Home Log Out Preferences 🐼 Record	Help	Welcome, weblogic Connected to: fcubs113_domain			
View changes and restarts	Home >Summary of JDBC Data Sources >FLEX	TEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources >FL	LEXTEST.WORLD >Summary of JMS Servers >JMS Modules			
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	JMS Hodules					
Lock & Edit Release Configuration	JMS system resources are configured and s distributed queues, distributed topics, forei resources. This page summarizes the JMS system modu	in servers, and JMS store-and-forward (SAF) parameters. You can adminis	queues, topics, connection factories, templates, destination keys, quota, tratively configure and manage JMS system modules as global system			
Domain Structure						
fcubs113_domain	Customize this table					
E-Services E-Messaging	New Delete		Showing 0 to 0 of 0 Previous   Next			
Store-and-Forward Agents     JMS Modules	🔲 Name 🖚		Туре			
Path Services		There are no items to display				
⊞-Bridges Data Sources	New Delete		Showing 0 to 0 of 0 Previous   Next			
Persistent Stores Foreign JNDI Providers						
-Work Contexts						
How do I						
Configure JMS system modules						
Configure resources for JMS system modules						
System Status						
Health of Running Servers						
Failed (0)						
Critical (0)						
Overloaded (0)						
Warning (0)						
OK (2)						



3. Click 'New' button. The following screen is displayed.

🖉 Create JMS System Module - fcubs113	3_domain - WLS Console - Windows Internet Explorer	
🕒 🗸 🖌 🖉 http://10.184.74.143:8888/co	$on sole/console.portal?CreateJMSSystemModulePortletreturnTo=JmsModulesTablePage&JmsModulesTablePortlethandle=com.bea.com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_com/dot/sole_co$	console.handles. JT 💌 🔄 🗙 🛛 Google Powered Pandion Search 🖉 🔹
Eile Edit Yiew Favorites Tools Help		
🚖 🎄 🍘 Create JMS System Module - fcubs	s113_domain - WL5	🛐 🔻 🔝 🔹 🖶 🕈 🔂 Bage 🕶 🎯 Tools 🗸 🎽
ORACLE WebLogic Server®	Administration Console	Q 🔄
Change Center	🖻 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources >FLEXT	EST.WORLD >Summary of JMS Servers >JMS Modules
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create JHS System Module Back Next Finish Cancel	
Lock & Edit Release Configuration	The following properties will be used to identify your new module.	
Domain Structure fcubs113_domain	2VS system resources are configured and stored as modules similar to standard JZEE modules. Such resources include queue distributed queues, distributed topics, foreign servers, and 3MS store-and-forward (SAF) parameters. You can administrativ resources.	ues, topics, connection factories, templates, destination keys, quota, vely configure and manage JMS system modules as global system
B-Environment Deployments E-Services	* Indicates required fields	
⊡-Messaging 	What would you like to name your System Module?	
Store-and-Forward Agents JMS Modules Path Services	*Name: FCUBS_SystemModule	
E Bridges	What would you like to name the descriptor file name? If you do not provide a name, a default will be assigned.	
Data Sources     Persistent Stores     Foreign JNDI Providers	Descriptor File Name: FCUBS_SystemModule	
H-Work Contexts	Where would like to place the descriptor for this System Module, relative to the jms configuration sub-directory of your doma	ain?
How do I 😑	Location In Domain:	
Configure JMS system modules     Configure JMS servers	Back Next Finish Cancel	
System Status 🗉		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0) Warning (0)		
OK (2)		
Mahlania Casua Manines 10.2.4.0	1	

Enter the System Module Name as FCUBS\_SystemModule.

Enter the Description File Name as FCUBS\_SystemModule.

4. Click 'Next'.



The following screen is displayed.

Oral http://10.194.74.14380806/console/console/console/console/actions/fms/modules/system/reademodule/selectTargets     Oral http://10.194.74.14380806/console/console/console/actions/fms/modules/system/reademodule/selectTargets     Oral http://10.194.74.14380806/console/console/console/actions/fms/modules/system/reademodule/selectTargets     Oral http://10.194.74.14380806/console/console/actions/fms/modules/system/reademodule/selectTargets     Oral http://10.194.74.14380806/console/console/console/actions/fms/modules/system/reademodule/selectTargets     Oral http://10.194.74.14380806/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/consol
Mediac <
ORACLE WebLogic Server® Administration Console       Image: Construction Console         Change Center       Webcome, weblogic       Connected to: fcubs113_domain         Wew changes and restarts       Home Log Out: Preferences IM Record Help       Webcome, weblogic       Connected to: fcubs113_domain         Home sources y FLEXTEST.WORLD > Summary of JMS Servers > Summary of JMS
Change Center       We changes and restarts         No perind phanese with Clock the Release Configuration to allow others to add the Release Configuration       Contact Sectors > FLEXTEST.WORLD > Summary of JMS Servers > Summary of JMS Clock Sources > FLEXTEST.WORLD > Summary of JMS Servers > JMS Modules         Domain Structure foubilis_domain Perindes Perindes Perindes       The following properties will be used to target your new JMS system module. Use this page to select the server or duster on which you would like to deploy this JMS system module. You can reconfigure targets later if you wish.         Targets : Perindes Perindes       Servers
Week changes and restarts         View changes and restarts         View changes and restarts         View changes with Click the Release         Configuration button to allow others to edit the analysis         Image: Configuration         Contain Structure         fs.bor113_domain         Performent
New Value       Create JHS System Hodule         Compain Structure       Finith Cance         The following properties will be used to target your new JHS system module.       Use this page to select the server or duster on which you would like to deploy this JHS system module. You can reconfigure targets later if you wish.         Targets :       Servers         Servers       Adminiserver
Configuration button to allow others to edit the contain in the contained of
domain.       Lock & Edit       Eack       Finstin       Cancel         The following properties will be used to target your new 3HS system module.       Lock A Edit       Lock A Edit       The following properties will be used to target your new 3HS system module.         Domain Structure       Use this page to select the server or duster on which you would like to deploy this 3HS system module. You can reconfigure targets later if you wish.       Targets :         Description       Servers       Servers       AdminServer
Release Configuration       Use this page to select the server or duster on which you would like to deploy this IMS system module. You can reconfigure targets later if you wish.         Domain Structure       Targets :         IP -Environment       Servers         IP -Services       AdminServer
Domain Structure     Image: Construction of the structure of the
fcubs113_domain     Image: Constraint of the second of the s
Implements     Bervers       Implements     Servers       Implements     AdminServer
⊡envices     Servers       ⊡ MS Servers     □ AdminServer
MS Servers
***Store-and-Forward Agents
JMS Modules
⊢Path Services       ✓ ManagedServer1
- Data Sources
-Persistent Stores Back Next Finish Cancel
- Toroign JDD Providers
How do L
Configure JMS system modules
Configure 3MS servers
System Status 🔲
Health of Running Servers
Feled (0)
Critical (0)
Overloaded (0)
Warning (0)
ok (2)

5. Check the box against the server created. Click 'Next'. The following screen is displayed.

🥟 Create JMS System Module - fcubs113_domain - WLS Console - Windows Internet Explorer 📃 🖻 🔀					
😋 💽 🔹 👔 http://10.184.74.143.8888(console/console/console/console/actions/)result/Create/MCS/system/and/ule/ant/et_actionOverride=/com/bea/console/actions/)res/medules/system/aneatemodule/newResource 💌 🗲 🔀 Coople Powered Pardon Search 👘 🖉					
Elle Edit Yiew Favorites Tools Help					
😭 🍄 🄏 Create JMS System Module - fcubs1	113_domain - WL5	🛅 -	🔊 🔹 🖶 🔹 🔂 Page 🔹 🎯 Tools 🔹 🎽		
	Administration Console		Q 🔤		
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, web	logic Connected to: fcubs113_domain		
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WO	RLD >Summary of JMS Servers >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Serve	rs >JMS Modules		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit. Release Configuration	Create JMS System Module           Back         Hext         Finish         Cancel           Add resources to this JMS system module				
Domain Structure	Use this page to indicate whether you want to immed	lately add resources to this JMS system module after it is created. JMS resources include queues, topics,	connection factories, etc.		
fcubs 113. Jomain  Fcubs 113. Jomain  Fcubs 113. Jomain  Foregoryments  Foregorym	Would you like to add resources to this JM     Back Tree: Finan, Cancel	IS system module?			
System Status					
OK (2)					



6. Click 'Finish' button. The following screen is displayed.

🕒 🕤 👻 🙋 http://10.184.74.143:8888/co	Google Powered Pandion Search	
ile <u>E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp McAfee /		
🌠 🎲 🏈 JM5 Modules - fcubs113_domain -	WLS Console	🛐 🔹 🗟 👘 📴 Bage 🕶 🎯 Tgols -
	Administration Console	Q
hange Center	🕜 Home Log Out Preferences 🖂 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts Vending changes exist. They must be activated o take effect.	Hone >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Messages Image: MS module was created successfully.	a Sources > FLEXTEST.WORLD > Summary of JMS Servers > JMS Modules
Activate Changes Undo All Changes	JHS Modules JHS pystem resources are configured and stored as modules similar to standard J2EE modules. Such resou	unas laduda augunas tanias nanastikas fastalas tamaktas daviinstikas kaus auguta
omain Structure ubs113_domain	I do System resolutes are to high real of some and some similar to sentiate of 22et motions, such resolu- det blued quees, det high de bloes, foreign servers, and 196 store and Forward (SAP) parameters. You resources. This page summarizes the JMS system modules that have been created for this domain.	
->Services ->Messaging ->JNS Servers ->Store-and-Forward Agents -> <u>&gt;INS Indules</u>	Customize this table JH5 Hodules New Dente	Showing I to 1 of 1 Previous   Next
Bridges     Data Sources     Persistent Stores	I Name 🗞	Туре
Foreign JNDI Providers     Work Contexts	CUBS_SystemModule	System Showing I to 1 of 1 Previous   Next
low do I		Showing 10 1011 Previous   Next
Configure JMS system modules Configure resources for JMS system modules		
ystem Status 🖃		
ealth of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Overloaded (0) Warning (0)		

7. Click 'Activate Changes' button on the left pane.

The message 'All the changes have been activated. No restarts are necessary' is displayed.

// JMS Modules - fcubs113_domain - WL!	S Console - Windows Internet Explorer	
() - (i) http://10.184.74.143:88888/com	- isole/console.portal?_nfpb=true&_pageLabel=http://10.184.74.143:8888/console/console.portal?_nfpb=tru	re&_pageLabel=JmsModulesTablePage 🗸 😚 🗙 Google Powered Pandion Search 🛛 🔎 🔹
Eile Edit View Favorites Iools Help		
🚖 🏟 🌈 JMS Modules - fcubs113_domain - W	A.S Console	🟠 👻 🔜 👘 🖶 Bage 🕶 🎯 Tgols 👻
	Administration Console	Q 🛆
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts Click the Lock & Edit button to modify, add or delete items in this domain. Lock & Edit Release Configuration	Hone - Summary of JDBC Data Sources > FLEXTEST.WORLD - Summary of JMS Servers - Summary of JDBC I Messages	Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules
Domain Structure           Ficke113 Jonan           ⊕ Environment           ⊕ Deployments           ⊕ Services           ⊖ Messaging           └──SPF Nodes	JNS system resources are configured and stored as modules similar to standard 32EE modules. Such re distributed queues, distributed topics, foreign servers, and JNS store-and-forward (SAF) parameters, resources. This page summarizes the JMS system modules that have been created for this domain.	sources include queues, topics, connection factories, templates, destination keys, quota, Tou can administratively configure and manage 3KS system modules as global system
Path Services Path Services Path Services Data SourcesData Sources		Showing 1 to 1 of 1 Previous   Next
Persistent Stores Foreign JNDI Providers	Name 🗞	Туре
How do I	FOUBS_SystemModule      Teete	System Showing I to 1 of 1 Previous   Next
Configure 3MS system modules     Configure resources for 3MS system modules  System Status Health of Running Servers Failed (0) Critical (0) Cverloaded (0) Warning (0) CK (2)		



# 7.2.4 Subdeployment Creation

Follow the steps given below:

1. Navigate to the WEBLOGIC Home Page. Click 'JMS Modules' on domain structure by expanding 'Messaging'.

The following screen is displayed:

🖉 JMS Modules - fcubs113_domain - WL	S Console - Windows Internet Explorer	
🕒 🗸 🖉 http://10.184.74.143:8888/cor	nsole/console.portal?_nfpb=true&_pageLabel=http://10.184.74.143:8888/console/console.portal?_nfpb=true&_pageL	abel=http://10.184.74.143 💙 🐓 🗙 Google Powered Pandion Search 🛛 🔎 🔹
Elle Edit Yiew Favorites Tools Help		
😭 🏘 🏀 3M5 Modules - fcubs113_domain - V	VLS Console	M + S + Page + Ø Tools + <sup>30</sup>
	Administration Console	Q
Change Center	🏠 Home Log Out Preferences 🐼 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources	es >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	JHS Modules	
Lock & Edit Release Configuration	1MS system resources are configured and stored as modules similar to standard JZEE modules. Such resources in distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. You can ar resources. This page summarizes the JMS system modules that have been created for this domain.	cube queues, topics, connection ractories, templates, destination keys, quota, dministratively configure and manage JMS system modules as global system
Domain Structure		
fcubs113_domain	Customize this table	
Deployments	JMS Modules	
⊖-Services ⊡-Messaging	New Delete	Showing 1 to 1 of 1 Previous   Next
····JMS Servers		
Store-and-Forward Agents	Name 🔅	Туре
Path Services	FCUBS_SystemModule	System
B-Bridges     Data Sources	New Delete	Showing 1 to 1 of 1 Previous   Next
Persistent Stores		
Foreign JNDI Providers     Work Contexts		
How do I		
Configure JMS system modules		
Configure resources for JMS system modules		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
ОК (2)		

2. Click 'Lock & Edit' button.



**3.** Select the JMS module created earlier.

C Settings for FCUBS_SystemModule - fc	ubs113_domain - WLS Console	- Windows Internet Ex	plorer			_ & 🛛
🕒 🗸 🖉 http://10.184.74.143:8888/con	sole/console.portal?_nfpb=true&_page	Label=JM55ystemModuleCor	figGeneralPage&handle=com	bea.console.handles.JMXHandle%28%22com	.b 👻 🍫 🗙 🛛 Google Powered Pandion Sea	arch 🔎 🔹
Elle Edit View Favorites Iools Help • McAfee'						
🚖 🏟 🌈 Settings for FCUBS_SystemModule -	fcubs113_domai				🏠 🔹 🔝 🕤 🖶 🔹 🔂 Page	• 💮 T <u>o</u> ols • »
	Administration Console					Q 🗠
Change Center	A Home Log Out Preferences	Record Help	Q		Welcome, weblogic Connected to: fcubs	s113_domain
View changes and restarts	Home >Summary of JDBC Data Sou Modules >FCUBS_SystemModule	rces >FLEXTEST.WORLD >Sun	mary of JMS Servers >Summar	y of JDBC Data Sources >FLEXTEST.WORLD >S	immary of JMS Servers >JMS	
No pending changes exist. Click the Release Configuration button to allow others to edit the	Settings for FCUBS_SystemMod	dule				
domain.	Configuration Subdeployment	Targets Security N	lotes			
Release Configuration	This page displays general inform	ation about a JMS system mo	dule and its resources. It also	allows you to configure new resources and ac	cess existing resources.	
Domain Structure fcubs113 domain	Name:	FCUBS_Syste	emModule	The name of this J	15 system module. More Info	
Environment     Deployments     Services	Descriptor File Name:	jms/FCUBS_S	ystemModule-jms.xml	The name of the J	IS module descriptor file. More Info	
3NS Servers Store-and-Forward Agents 3MS Modules Path Services Bath Sources Deta Sources	destination quota, distributed de     Customize this table     Summary of Resources	stinations, foreign servers, ar	nd store-and-forward parame	ters.		
Foreign JNDI Providers     Work Contexts	New Delete				Showing 0 to 0 of 0 Previo	ous   Next
How do L.	🔲 Name 🗠	Туре	JNDI Name	Subdeployment	Targets	
Configure JMS system modules			There a	e no items to display		
Configure subdeployments in JMS system     modules	New Delete				Showing 0 to 0 of 0 Previo	ous   Next
Configure resources for JMS system modules						
System Status						
Health of Running Servers						
Failed (0)						
Critical (0)						
Overloaded (0)						
Warning (0)						
OK (2)						

4. Click 'Subdeployments' tab.

Settings for FCUBS_SystemModule - fc	ubs113_domain - Wi S Console - V	lindows Internet Explore	r.	
	-		** ymentTabPage&handle=com.bea.console.handles.JMXHandle%28%2	
Ele Edit View Favorites Tools Help				
😭 🏟 🍘 Settings for FCUBS_SystemModule	- fcubs113_domai			🏠 🔹 🔝 👘 🖶 🍨 🔂 Page 🔹 🎯 Tgols 🔹 🎽
	Administration Console			Q
Change Center	🔒 Home Log Out Preferences 🔤	lecord Help	Q	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources Modules >FCUBS_SystemModule	>FLEXTEST.WORLD >Summary	of JMS Servers >Summary of JDBC Data Sources >FLEXTEST.WORLD >S	ummary of JMS Servers >JMS
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Settings for FCUBS_SystemModule			
Lock & Edit	Configuration Subdeployments	Targets Security Notes	1	
Release Configuration	This page displays subdeployments or grouped and targeted to a server re		<ol> <li>A subdeployment is a mechanism by which JMS module resources (si erver instances, or cluster).</li> </ol>	uch as queues, topics, and connection factories) are
Domain Structure				
fcubs113_domain  -Environment  Deployments	Customize this table			
-Services	Subdeployments			
	New Delete			Showing 0 to 0 of 0 Previous   Next
Store-and-Forward Agents	🔲 Name 🗞	R	lesources	Targets
Path Services			There are no items to display	
Bridges     Data Sources	New Delete			Showing 0 to 0 of 0 Previous   Next
Persistent Stores				
Foreign JNDI Providers     Work Contexts				
How do L.				
Configure subdeployments in JMS system				
modules				
Configure JMS system modules				
System Status				
Health of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Warning (0)				
OK (2)				



5. Click 'New'. The following screen is displayed.

🔗 Create a New Subdeployment - fcubs113_domain - WLS Console - Windows Internet Explorer 📃 🖻 🔯				
😋 🕤 👻 http://10.184.74.143:8888/cor	nsole/console.portal?] msSystemModuleCreateSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturnTo=JMSSystemModuleSubDeploymentPortletreturNSSystemModuleSubDeploymentPortletreturNSSystemModuleSubDeploymentPortletreturNSSystemNoduleSubDeploymentPortletretUrNSSystemNod	mentTabPage&JM5SystemModuleSubDe 🚽 🐓 🗙 Google Powered Pandion Search 🛛 🔎 🔹		
Elle Edit Yiew Favorites Tools Help				
😭 🏟 🌈 Create a New Subdeployment - fout	bs113_domain - W	🏠 🔹 🔝 👘 🖶 Page 👻 🎯 Tools 👻		
ORACLE WebLogic Server®	Administration Console	Q 🧉		
Change Center	🔒 Home Log Out Preferences 🖂 Record Help	Welcome, weblogic Connected to: fcubs113_domain		
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDB0 Modules >FCUBS_SystemModule	C Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New Subdeployment			
Lock & Edit	Back Next Finish Cancel			
Release Configuration	Subdeployment Properties			
Domain Structure	The following properties will be used to identify your new subdeployment.			
fcubs113_domain	* Indicates required fields			
Environment     Deployments     Services	* Subdeployment Name: FCUBS			
Hessaging MS Servers	Back Next Finish Cancel			
Store-and-Forward Agents				
Path Services				
Data Sources				
Persistent Stores Foreign JNDI Providers				
Work Contexts				
How do I				
<ul> <li>Configure subdeployments in JMS system modules</li> </ul>				
System Status				
Health of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Warning (0) OK (2)				
On (2)				

6. Specify the Subdeployment Name as 'FCUBS'. Then click 'Next'.

## The following screen will be displayed.

🖉 Create a New Subdeployment - fcubs113_domain - WLS Console - Windows Internet Explorer 📃 🛛 🔀				
😋 🕤 👻 🙋 http://10.184.74.143:8888/cor	$nsole/console.portal? \\ imsSystemModuleCreateSubDeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionOverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionSoverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionSoverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionSoverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionSoverride=/com/bea/console/actions/ims/modules/system/createsubdeploymentPortlet_actionSoverride=/com/bea/console/actionSoverride=/com/bea/console/actionSoverride=/com/bea/console/action$	ep 🚽 🐓 🗙 Google Powered Pandion Search 🖉 🔹		
Ele Edit Yiew Favorites Tools Help           O         McAfee*				
🔶 💠 🏉 Create a New Subdeployment - fcub	bs113_domain - W	🟠 🔹 🔝 🔹 🖶 🍷 🔂 Bage 🕶 🎯 Tgols 📼 🍟		
	Administration Console	Q		
Change Center	🔒 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: fcubs113_domain		
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources >FLEXTEST.WORLD >S Modules >FCUBS_SystemModule	ummary of JMS Servers >JMS		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New Subdeployment			
Lock & Edit	Back Next Finish Cancel			
Release Configuration	Targets			
Domain Structure	Please select targets for the Subdeployment			
fcubs113_domain	Servers			
Deployments EServices	AnagedServer1			
	JMS Servers			
Store-and-Forward Agents JMS Modules Path Services	FCUB5_JH55erver			
B-Bridges …Data Sources …Persistent Stores	Back Trext Finish Cancel			
Foreign JNDI ProvidersWork Contexts				
How do I				
Configure subdeployments in JMS system				
modules				
System Status				
Health of Running Servers				
Failed (0)				
Critical (0) Overloaded (0)				
Warning (0)				
OK (2)				

7. Select the JMS Server (as created by the user).



- 8. Click 'Finish' button.
- 9. Following screen is displayed.

🖉 Settings for FCUBS_SystemModule - fc	ubs113_domain - WLS Console - Windows Inte	rnet Explorer			
🔆 🕙 🖉 http://10.184.74.143.8888/console/console.pontal?_rfp=true8_pageLabel=JHSSystemModuleSubDeploymentTabPage 🔍 🚱 🗙 🗍 Google Powered Pardon Search 🛛 🖉					
Ele Edit View Favorites Iools Help					
😭 🏟 🏀 Settings for FCUBS_SystemModule -	- fcubs113_domai		🏠 🔹 🔝 🕤 👘 🖬 🔂 Bage 🕶 🍈 T <u>o</u> ols 🖛 🎽		
	Administration Console		Q		
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	٩	Welcome, weblogic Connected to: fcubs113_domain		
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WO Modules >FCUBS_SystemModule	RLD >Summary of JMS Servers >Summary of JDBC Data Sources	>FLEXTEST.WORLD >Summary of JMS Servers >JMS		
Pending changes exist. They must be activated to take effect.	Messages				
Activate Changes	Subdeployment created successfully.				
Undo All Changes	Settings for FCUBS_SystemModule				
	Configuration Subdeployments Targets Se	curity Notes			
fcubs113_domain	This page displays subdeployments created for a 3HS grouped and targeted to a server resource (such as Customize this table Subdeployments           Subdeployments           Image: Cost of the server resource (such as a server resource)           Image: Cost of the server resource (such as a server resource)           Image: Cost of the server resource (such as a server resource)           Image: Cost of the server resource (such as a server resource)           Image: Cost of the server resource)	system module. A subdeployment is a mechanism by which J MS servers, server instances, or duster). Resources	MS module resources (such as queues, topics, and connection factories) are Showing 1 to 1 of 1 Previous   Next Targets FCUBS_MSServer		
How do L.	New Delete	1	Showing 1 to 1 of 1 Previous   Next		
Configure abdeptoyments in JMS system modules Configure JMS system modules System Status Health of Running Servers Failed (0) Critical (0) Coverloaded (0) Warning (0) CK (2)					

10. Click 'Activate Changes'. Following screen is displayed.

A Constant of the second		-true&_pageLa	bel=http://1	0.184.74.14	3:8888/console/i	onsole.portal?_nfpb=true&_pageLa	abel=JMSSystemModuleSub	Google Powered Pandion Search
McAfee     McAfee     Settings for FCUBS_systemModule -     ORACLE WebLogic Server® A	fcubs113_domai							
	fcubs113_domai							
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,	Administration Conso	e						
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View changes and restarts	Home >Summary of JE Modules >FCUBS Sys	BC Data Source	s >FLEXTEST	WORLD >Su	immary of JMS Se	vers >Summary of JDBC Data Source	is >FLEXTEST.WORLD >Summ	ary of JMS Servers >JMS
Click the Lock & Edit button to modify, add or delete items in this domain.	Messages All changes have l		No restarts	are necessar	ry.			
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Release Configuration		ieployments		Convibu	Netes			
Domain Structure	Connguration Sub	reproyments	rargets	Security	notes			
Services  Mission Servers  Mission Servers  Mission Servers  Mission Services  Bindiges  Data Services  Bindiges  Data Services	Customize this ta Subdeployments Click the Lock & Edit		Change Cent	ter to activat	e all the buttons	on this page.		Showing 1 to 1 of 1 Previous   Ne
Persistent Stores Foreign JNDI Providers	🗌 Name 🗞			Reso	ources		Targets	
Work Contexts	FCUBS						FCUBS_JMSServer	
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Configure subdeployments in JMS system	Delete							Showing 1 to 1 of 1 Previous   Ne
Configure JMS system modules								
System Status								
Health of Running Servers								
Failed (0)								
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Warning (0)								
OK (2)								



# 7.2.5 JMS Queue Creation

1. Select the JMS Module created earlier.

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View changes and restarts		y of JDBC Data Sources S SystemModule	>FLEXTEST.	WORLD >Sur	mmary of JMS Servers >Summary	y of JDBC Dat	ta Sources > FLEXTEST.WORLD > Summary	of JMS Servers >	IMS	
Click the Lock & Edit button to modify, add or delete items in this domain.		UBS_SystemModul	e							
Lock & Edit	Configuration	Subdeployments	Targets	Security 1	Notes					
Release Configuration	This page disp	lays general informatio	on about a JM	1S system mo	odule and its resources. It also	allows you to	o configure new resources and access ex	isting resources.		
Domain Structure										
fcubs113_domain	Name:			FCUBS_Syst	emModule		The name of this JMS syst	em module. Mor	e Info	
Deployments	Descriptor Fil	e Name:	:	jms/FCUBS_	SystemModule-jms.xml		The name of the JMS mode	ule descriptor file	More Info	
⊡-Services ⊡-Messaging										
JMS Servers							ueue and topic destinations, connection	factories, JMS ter	mplates, destination :	sort keys,
Store-and-Forward Agents	destination qu	ota, distributed destin	ations, foreig	in servers, a	nd store-and-forward paramet	ers.				
Path Services	Customize t									
i⊞-Bridges										
Data Sources	Summary of	Resources								
Foreign JNDI Providers	Click the Lock	& Edit button in the C	Change Cente	er to activate	e all the buttons on this page.					
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How do I									1	
Configure JMS system modules	Name	~	Туре		JNDI Name		Subdeployment		Targets	
<ul> <li>Configure subdeployments in JMS system modules</li> </ul>					There are	e no items to	o display			
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Sustan Status										
System Status										
Health of Running Servers										
Failed (0)										
Critical (0)										
Overloaded (0)										
Warning (0)										
OK (2)										

- 2. You need to set the configuration for FCUBS\_SystemModule is to be set.
- 3. Click 'Configuration'. Then click 'Lock & Edit'.



#### The Following screen is displayed.

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🖌 🖗 🏉 Settings for FCUBS_SystemModule	e - fcubs113_domai		ł	🗿 🔹 🔝 👘 🖶 😨 Bage 🗸 🎯 Tgols
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to pending changes exist. Click the Release configuration button to allow others to edit the	Settings for FCUBS_SystemModule			
lomain.	Configuration Subdeployments Tar	gets Security Notes		
Release Configuration	This page displays general information ab	out a JMS system module and its resources. It also allows	you to configure new resources and access existing	esources.
omain Structure	Name:	FCUBS_SystemModule	The name of this JMS system mo	dule. More Info
"Environment	Descriptor File Name:			
Services G-Messaging JMS Servers	This page summarizes the JMS resources	jms/FCUBS_SystemModule-jms.xml that have been created for this JMS system module, incluc s, foreign servers, and store-and-forward parameters.	The name of the JMS module des ing queue and topic destinations, connection factori	
"Services ☐ "Messaging "JMS Servers "Store-and-Forward Agents "JMS Modules "Path Services ID andges "Data Sources	This page summarizes the JMS resources destination quota, distributed destination <b>Customize this table</b> Summary of Resources	that have been created for this JMS system module, includ		s, JMS templates, destination sort keys,
Genvices     Hessaging     Hits Servers     Servers     Store-and-Forward Agents    INK Modules     H-Path Services     Deta Sources     "Deta Sources     "Deta Sources     "Foreign NUD Providers	This page summarizes the JMS resources destination quota, distributed destination	that have been created for this JMS system module, includ		
-Services - Messagner - MS Servers - MS Servers - MS Servers - MS Servers - MS Modules - Path Services - Data Sources - Persent Stores - Foreign JND for voldes - Work Contexts 	This page summarizes the JMS resources destination quota, distributed destination  Customize this table  Summary of Resources  New Optice  Name ©	that have been created for this JMS system module, includ		s, JMS templates, destination sort keys,
T-services	This page summarizes the JMS resources destination quota, distributed destination  Customize this table  Summary of Resources  New Optice  Name ©	that have been created for this 3%5 system module, inclue, foreign servers, and store-and-forward parameters.	ing queue and topic destinations, connection factors  Subdeployment	zs, JMS templates, destination sort keys,
T-services → Hessange → Hessange → Hossange → Store and Forward Agents → 305 endersen → 305 Nordues → 305 Nordu	This page summarizes the JMS resources destination quota, distributed destination  Customize this table  Summary of Resources  New Optice  Name ©	that have been created for this JNS system module, inclue, s, foreign servers, and store-and-forward parameters.	ing queue and topic destinations, connection factors  Subdeployment	zs, JMS templates, destination sort keys,
T-services → Twessagns → TWS Serves → TWS Serves → TWS Serves → TWS Serves → TWS Serves → TWS Serves → Twestent Stores → Foreign XID (Provides → TWS (Contexts ✓ Configure 3MS system modules Configure subdisployments in JMS system modules	This page summarizes the JMS resources destination quota, distributed destination Cuctomize this table Summary of Resources           New         Celefe           Name	that have been created for this JNS system module, inclue, s, foreign servers, and store-and-forward parameters.	ing queue and topic destinations, connection factors  Subdeployment	s, JMS templates, destination sort keys, Showing 0 to 0 of 0 Previous   Next Targets
-Services -Messagne -Messa	This page summarizes the JMS resources destination quota, distributed destination Customize this table Summary of Resources           New         Delte           Name %         Image: Summary of Resources	that have been created for this JNS system module, inclue, s, foreign servers, and store-and-forward parameters.	ing queue and topic destinations, connection factors  Subdeployment	s, JMS templates, destination sort keys, Showing 0 to 0 of 0 Previous   Next Targets
Services	This page summarizes the JMS resources destination quota, distributed destination Customize this table Summary of Resources           New         Delte           Name %         Image: Summary of Resources	that have been created for this JNS system module, inclue, s, foreign servers, and store-and-forward parameters.	ing queue and topic destinations, connection factors  Subdeployment	s, JMS templates, destination sort keys, Showing 0 to 0 of 0 Previous   Next Targets
-Spruces -Shersange -Shersange -Shersand Forward Agents -Ster-and Forward Agents -Ster-And Sources -Shersatent Stores -Data Sources -Data Sources -Porego JNCI Providers -Vork Contexts w do L. Configure 3NS system modules Configure resources for JNS system modules -configure resources for JNS system modules -stem Status	This page summarizes the JMS resources destination quota, distributed destination Customize this table Summary of Resources           New         Delte           Name %         Image: Summary of Resources	that have been created for this JNS system module, inclue, s, foreign servers, and store-and-forward parameters.	ing queue and topic destinations, connection factors  Subdeployment	s, JMS templates, destination sort keys, Showing 0 to 0 of 0 Previous   Next Targets
"Services	This page summarizes the JMS resources destination quota, distributed destination Customize this table Summary of Resources           New         Delte           Name %         Image: Summary of Resources	that have been created for this JNS system module, inclue, s, foreign servers, and store-and-forward parameters.	ing queue and topic destinations, connection factors  Subdeployment	s, JMS templates, destination sort keys, Showing 0 to 0 of 0 Previous   Next Targets
"Services → Messagn → Servers → Site and Forward Agents → Site A	This page summarizes the JMS resources destination quota, distributed destination Customize this table Summary of Resources           New         Delte           Name %         Image: Summary of Resources	that have been created for this JNS system module, inclue, s, foreign servers, and store-and-forward parameters.	ing queue and topic destinations, connection factors  Subdeployment	s, JMS templates, destination sort keys, Showing 0 to 0 of 0 Previous   Next Targets
Services     Messaging     Messaging     Messaging     Messaging     Servers     Servers     Servers     Servers     Servers     Servers     Servers     Servers     Services     Besidges     Data Sources     Persitent Stores     Services     Serv	This page summarizes the JMS resources destination quota, distributed destination Customize this table Summary of Resources           New         Delte           Name %         Image: Summary of Resources	that have been created for this JNS system module, inclue, s, foreign servers, and store-and-forward parameters.	ing queue and topic destinations, connection factors  Subdeployment	s, JMS templates, destination sort keys, Showing 0 to 0 of 0 Previous   Next Targets



**4.** Click 'New'. The following screen is displayed.

	source - fcubs113_domain - WLS Console - Windows Internet Explorer	stemModuleEntityPortletcurrentModule=FCUBS_Syster V 47 🗙 Google Powered Pandion Search
Edit View Favorites Tools Help	console/console/porcas_imported dec_progetable=sinsci eatesysteminodaleatikkyconisci eatesys	
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🛠 🏾 🏉 Create a New JMS System Modu	le Resource - fcubs11	🏠 👻 📾 👻 🔂 Page 🕶 🎯 Took
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nge Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_doma
changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Su Modules >FCUBS_SystemModule	mmary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS
ending changes exist. Click the Release iguration button to allow others to edit the in.	Create a New JMS System Module Resource	
	Back Next Finish Cancel	
Release Configuration	Choose the type of resource you want to create.	
ain Structure	Use these pages to create resources in a JMS system module, such as queues, topics,	templates, and connection factories.
113_domain nvironment eployments ervices	Depending on the type of resource you select, you are prompted to enter basic inform factories, distributed queues and topics, foreign servers, and MS SAF destinations, you targetable resources with subdeployments, which is an advanced mechanism for group targetable resources with subdeployments.	ation for creating the resource. For targetable resources, like stand-alone queues and topics, connection ou can also proceed to targeting pages for selecting appropriate server targets. You can also associate ing 3/8 module resources and the members to server resources.
	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info
TMS Modules	• Queue	Defines a point-to-point destination type, which are used for asynchronous peer commications. A message delivered to a queue is distributed to only one consumer. When info
"Persistent Stores "Foreign JNDI Providers "Work Contexts	🔿 Торіс	Defines a publish/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. Where Infi
do I	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
nfigure JMS templates nfigure destination keys	O Distributed Topic	Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients. More Info
nfgure topics nfgure queues nfgure connection factories	Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info
nigure connection factories nfigure uniform distributed topics nfigure uniform distributed queues	🔿 Quota	Controls the allotment of system resources available to destinations. More Info
nfigure foreign servers	O Destination Sort Key	Defines a unique sort order that destinations can apply to arriving messages. More Info
em status	JHS Template	Defines a set of default configuration settings for multiple destinations. More Info
h of Running Servers Faled (0) Critical (0) Overloaded (0)	○ SAF Imported Destinations	Defines a collection of imported store-and-forward (SAP) destinations. A SAF destination is a representation of a queue or topic in a remote server instance or cluster that is imported in to the local distance or server instance, so that the local server instance or cluster can send messages to the remote server instance or cluster. Mise Info
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5. Select the 'Queue' option. Then click 'Next'.

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👷 🏘 🎯 Create a New JNS System Module Resource - Faubs11 🚺 🔹 👼 + 🔂 2010 + 🎯 1	ools - "
ORACLE WebLogic Server® Administration Console	<u>o</u> ^
Change Center Welcome, weblogic Connected to: fcubs113_dd	main
View changes and restarts Home Summary of DBC Data Sources >FLB/TEST.WORLD >Summary of JMS Sarvers >Summary of JMBC Data Sources >FLEXTEST.WORLD >Summary of JMS Sarvers >Summary of JMBC Data Sources >FLEXTEST.WORLD >Summary of JMS Sarvers >JMS	
No pending changes exist. Click the Release Configuration button to allow others to edit the Greate a New JIHS System Module Resource	
Lock & Edr Back Next Finish Cancel	
Release Configuration JMS Destination Properties	
Domain Structure The following properties will be used to identify your new Queue. The current module is FCUBS_SystemModule.	
foubsits Johnam   I indicates required fields  I indicates required fields	
Deployments	
P-Services     *Name: NOTIFY_DEST_QUEUE	
i ∼NS Servers	
Store and Forward Agents JNDI Name: NOTIFY_DEST_QUEUE	
Path Services	
E-Bridges Template: None V	=
- Persident Stores	
Personal Sufession Software Back Next Finish Cancel	
iWork Contexts	
How do L.	_
Configure quotas for destinations	
Configure JMS templates	
Configure destination keys	
Configure topics	
Configure queues     Configure convection factories	
Configure to inscruon inscrutes     Configure uniform distributed topics	
Configure uniform distributed queues	
Configure foreign servers	
Configure IMS SAF	
System Status	
Health of Running Servers	
Failed (0)	
Critical (0)	
Overloaded (0)	
Done State	1%

For creating new JMS System Module Resources, follow the steps given below:

- Enter the Name of the Queue as 'NOTIFY\_DEST\_QUEUE'.
- Enter the JNDI Name as 'NOTIFY\_DEST\_QUEUE'.
- Select the Template as 'None'.
- Click 'Next'.



Following screen is displayed.

🖉 Create a New JMS System Module Reso	urce - fcubs113_domain - WLS Console - Windows Internet Explorer	
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	Administration Console	Q 🎴
Change Center	😰 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources >F Modules >FCUBS_SystemModule	LEXTEST.WORLD >Summary of JMS Servers >JMS
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New JM5 System Module Resource	
Lock & Edit	Back Next Finish Cancel	
Release Configuration	The following properties will be used to target your new JHS system module resource	
Domain Structure fcubs113_domain Demvironment Deployments D-Services	Like this page to select a subdeployment to assign this system module resource. A subdeployment is a mechanism by v SAR agent. If necessary, you can create a new subdeployment by clicking the <b>Create a New Subdeployment</b> but module's subdeployment management agen.	which JMS resources are grouped and targeted to a server instance, duster, or on. You can also reconfigure subdeployment targets later by using the parent
	Subdeployments: FCUBS V Create a New Subdeployment	
Store-and-Forward Agents JNS Modules Path Services B-Bridges Data Sources Derstent Stores	What targets do you want to assign to this subdeployment? Targets :	
Foreign JNDI Providers	JMS Servers	
How do L.	FCUB5_JMSServer	
Configure quotas for destinations		
Configure JMS templates	Back Next Finish Cancel	
Configure destination keys		
Configure topics		
Configure queues     Configure connection factories		
Configure connection factories     Configure uniform distributed topics		
Configure uniform distributed topics     Configure uniform distributed queues		
Configure foreign servers		
Configure JMS SAF		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		~
Done		Secol intranet 🔍 100% 👻



6. Select the managed server created by the user. Click 'Finish' button.

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Change Center	🔒 Home Log Out Preferences 🛛	Record Help		Q	Welcome, we	blogic Connected to: fcubs113_	domain
View changes and restarts	Home >Summary of JDBC Data Sour Modules >FCUBS SystemModule	ces >FLEXTEST.WORLD	>Summary o	f JMS Servers >Summary of JDBC Data Sources >	>FLEXTEST.WORLD >Summary of JMS Ser	vers >JMS	
Pending changes exist. They must be activated to take effect.	Messages						
Activate Changes	The JMS Queue was created st	uccessfully					
Undo All Changes	Settings for FCUBS_SystemMod	lule					
	Configuration Subdeployment	s Targets Security	y Notes				
Domain Structure							
fcubs113_domain	This page displays general inform	ation about a JMS syste	em module an	d its resources. It also allows you to configure	new resources and access existing reso	urces.	
Deployments Services	Name:	FCUBS	SystemModu	le	The name of this JMS system module.	More Info	
Store-and-Forward Agents	Descriptor File Name:	jms/r-CU	UBS_SystemM	1odule-jms.xml	The name of the JMS module descriptor file. More Info		
JMS Modules	This page summarizes the JMS re-	ources that have been	created for t	this JMS system module, including queue and t	opic destinations, connection factories, J	MS templates, destination sort keys,	
B-Bridges     Data Sources	destination quota, distributed des	tinations, foreign serve	ers, and store	e-and-forward parameters.			
Persistent Stores	Customize this table						
Foreign JNDI Providers     Work Contexts	Summary of Resources						
How do L.	New Delete					Showing 1 to 1 of 1 Previous   N	laut
Configure JMS system modules	New Delete					Showing 1 to 1 of 1 Previous   N	ext
Configure subdeployments in JMS system	🔲 Name 🗞	Ту	ype	JNDI Name	Subdeployment	Targets	
<ul> <li>Configure resources for JMS system modules</li> </ul>	NOTIFY_DEST_QUEUE	Qu	Jeue	NOTIFY_DEST_QUEUE	FCUBS	FCUBS_JMSServer	
	New Delete					Showing 1 to 1 of 1 Previous   N	lext
System Status							
Health of Running Servers							
Failed (0)							
Critical (0) Overloaded (0)							
Warning (0)							
OK (2)							



7. The JMS Queue has been created successfully. Click 'Activate Changes' under 'Change Center'.

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Settings for FCUBS_SystemModule - fo	cubs113_	lomain - WLS Console -	Windows Internet Ex	(plorer		
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View changes and restarts		>Summary of JDBC Data Source as >FCUBS_SystemModule	>FLEXTEST.WORLD >Su	mmary of JMS Servers >Summary of J	BC Data Sources >FLEXTEST.WORLD >Sur	nmary of JMS Servers >JMS
No pending changes exist. Click the Release Configuration button to allow others to edit the	Setting	s for FCUBS_SystemModu	e			
domain.	Config	uration Subdeployments	Targets Security	Notes		
Release Configuration	This ;	age displays general informati	on about a JMS system m	odule and its resources. It also allow	you to configure new resources and acc	ess existing resources.
Domain Structure	Name	:	FCUBS_Syst	emModule	The name of this JM:	S system module. More Info
fcubs113_domain	Descr	iptor File Name:		SystemModule-jms.xml	The name of the JMS	S module descriptor file. More Info
	desti			nd store-and-forward parameters.	anny queue and topic describitions, conne	ction factories, JMS templates, destination sort keys,
Data Sources Persistent Stores	Nev	· · · · · · · · · · · · · · · · · · ·				Showing 1 to 1 of 1 Previous   Next
Foreign JNDI Providers		Name 🗇	Туре	JNDI Name	Subdeployment	Targets
How do I  Configure JMS system modules		NOTIFY_DEST_QUEUE	Queue	NOTIFY_DEST_QUEUE	FCUBS	FCUBS_JMSServer
Configure JMS system modules     Configure subdeployments in JMS system     modules	Nev	Delete			I	Showing 1 to 1 of 1 Previous   Next
Configure resources for JMS system modules						
System Status						
Health of Running Servers						
Failed (0)						
Critical (0)						
Overloaded (0)						
Warning (0)						
OK (2)						

8. Click 'New 'to create more Queues. You may follow the same steps to create other queues.

# 7.2.6 JMS Connection Factory Creation

After creating the queues, you need to create the connection factory. To perform this, follow the steps given below:



#### 1. Click 'New'.

		ternet Explorer			
Settings for FCUBS_SystemModule - fcub	bs113_domain - WLS Console - Windows Int				
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o pending changes exist. Click the Release onfiguration button to allow others to edit the	Settings for FCUBS_SystemModule				
Lock & Edit	Configuration Subdeployments Targets Se	ecurity Notes			
Release Configuration	This page displays general information about a JMS	system module and its resources. It also allows yo	ou to configure new resources and access existing res	ources.	
omain Structure	Name: FC	CUBS_SystemModule	The name of this JMS system modul	e. More Info	
-Environment					
Deployments "Services -Messaging JMS Servers			The name of the JMS module descri		
-Deployments Services Messaging	This page summarizes the JMS resources that have destination quota, distributed destinations, foreign Customize this table Summary of Resources	been created for this JMS system module, includir		JMS templates, destination sort keys,	
Deployments     Services     Prevention     Model     Model	This page summarizes the JMS resources that have destination quota, distributed destinations, foreign Customize this table Summary of Resources	been created for this JMS system module, includin servers, and store-and-forward parameters.	g queue and topic destinations, connection factories,	JMS templates, destination sort keys,	
Deployments Services	This page summarizes the JMS resources that have destination quota, distributed destinations, foreign Customize this table Summary of Resources	been created for this JMS system module, includir		JMS templates, destination sort keys,	
Decomments Services Services Services Store-and-Forward Agents	This page summarizes the JMS resources that have destination quota, distributed destinations, foreign Customize this table Summary of Resources	been created for this JMS system module, includin servers, and store-and-forward parameters.	g queue and topic destinations, connection factories,	JMS templates, destination sort keys,	
Deployments     Services     Procession     Procession     Procession     Procession     Procession     Procession     Procession     Procession     Provides     Procession     Proc	This page summarizes the JMS resources that have destination quota, distributed destinations, foreign Customize this table Summary of Resources           Summary of Resources           Mew         Oreign           Image: Summary of Resources         Summary of Resources	been created for this JMS system module, includin servers, and store-and-forward parameters.	g queue and topic destinations, connection factories,	JMS templates, destination sort keys, Showing i to 1 of 1 Previous   Next Targets	
Deployments     Services     Pressaging     Mis Servers     Site - and Porvard Agents     Mis Modules     Parts Services     Parts Services     Parts Services     Portigue     Contexts     Work Contexts     ¥	This page summarizes the JMS resources that have destination quota, distributed destinations, foreign Customize this table Summary of Resources           Wew         Destin           Image: Summary of Resources         Image: Summary of Resources           Image: Summary of Resources         Image: Summary of Resources	been created for this JMS system module, includin servers, and store-and-forward parameters.	g queue and topic destinations, connection factories,	JMS templates, destination sort keys, Showing 1 to 1 of 1 Previous   Next Targets FCLBS_JMSServer	



## The following screen is displayed:

Create a New JMS System Module Reso	urce - fcubs113_domain - WLS Console - Windows Internet Explo	irer 📃 🗖 🖸
🔾 🕤 👻 🙋 http://10.184.74.143:8888/col	nsole/console.portal?_nfpb=true&_pageLabel=JmsCreateSystemModuleEntity&Jms	CreateSystemModuleEntityPortletcurrentModule=FCUBS_Syster 💌 4 🔀 Google Powered Pandion Search 🛛 🔎
ile Edit View Favorites Tools Help McAfee		
		🏠 🔹 🔝 👘 🖶 Page 🕶 🎯 Tgols 🔹
Create a New JMS System Module F		M + M + III Falle + Ø 100s +
DRACLE WebLogic Server®		Q
hange Center		Welcome, weblogic Connected to: fcubs113_domain
iew changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS S Modules >FCUBS_SystemModule	ervers »Summary of JDBC Data Sources »FLEXTEST.WORLD »Summary of JMS Servers »JMS
o pending changes exist. Click the Release onfiguration button to allow others to edit the omain.	Create a New JMS System Module Resource	
Lock & Edit	Back Next Finish Cancel	
Release Configuration	Choose the type of resource you want to create.	
omain Structure	Use these pages to create resources in a JMS system module, such as queue	s, topics, templates, and connection factories.
ubs113_domain Environment "Deployments "Services	Depending on the type of resource you select, you are prompted to enter ba factories, distributed queues and topics, foreign servers, and JMS SAF destir targetable resources with subdeployments, which is an advanced mechanism	sic information for creating the resource. For targetable resources, like stand-alone queues and topics, connection valuns, you can also proceed to targeting pages for selecting appropriate server targets. You can also associate for grouping JMS module resources and the members to server resources.
Hessaging MS Servers Store-and-Forward Agents	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS dients. More Info
	O Queue	Defines a point-to-point destination type, which are used for asynchronous peer communications. A nessage delivered to a queue is distributed to only one consumer. More Info
Persistent Stores Foreign JNDI Providers Work Contexts	🔿 Торіс	Defines a publicit/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. Where Info
w do I   Configure quotas for destinations	🔿 Distributed Queue	Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS clients. More Info
Configure JMS templates Configure destination keys	O Distributed Topic	Defines a set of topics that are distributed on multiple JMS servers, but which are accessible as a single, logical topic to JMS clients. More Info
Configure topics Configure queues Configure connection factories	🚫 Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info
Configure connection factories Configure uniform distributed topics Configure uniform distributed queues	🔿 Quota	Controls the allotment of system resources available to destinations. More Info
Configure foreign servers Configure JMS SAF	O Destination Sort Key	Defines a unique sort order that destinations can apply to arriving messages. More Info
stem Status 📃	) JHS Template	Defines a set of default configuration settings for multiple destinations. More Info
Paled (0) Critical (0) Overloaded (0)	○ SAF Imported Destinations	Defines a collection of imported store-and-forward (SAF) destinations. A SAF destination is a representation of a queue or topic in a remote server instance or cluster that is imported in to the local ducter or server instance, so that the local server instance or cluster can send messages to the remote server instance or ducter. More Info
		🔍 Local intranet 🔍 100% 👻



2. Select 'Connection Factory'. Click 'Next'.

🖉 Create a New JMS System Module Reso	ource - fcubs113_domain - WLS Console - Windows Internet Explorer	- 6 🛛
🚱 🗸 🖉 http://10.184.74.143:8888/con	nsole/console.portal?ImsCreateSystemModuleEntityPortlet_actionOverride=/com/bea/console/actions/jms/modules/system/createentity/selectEntit 💌 😚 🗙 Google Powered Pandon Search	P •
Elle Edit Yiew Favorites Tools Help           O         McAfee*		
😭 🏟 🌈 Create a New JMS System Module R	Resource - fcubs11 👘 🔹 🐻 🔹 📴 🕹 2age 🔹 🖗	🇊 Tools 👻 🦈
	Administration Console	<u> </u>
Change Center	😰 Home Log Out Preferences 🗠 Record Help 🔍 🔍 Welcome, weblogic Connected to: fcubs113	3_domain
View changes and restarts	Home > Summary of JDBC Data Sources > FLEXTEST.WORLD > Summary of JMS Servers > Summary of JDBC Data Sources > FLEXTEST.WORLD > Summary of JMS Servers > JMS Modules > FCUB5_SystemHodule	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New JHS System Module Resource	
Lock & Edit	Back, Next, Finish, Cancel	
Release Configuration	Connection Factory Properties	
Domain Structure	The following properties will be used to identify your new connection factory. The current module is FCUBS_SystemModule. * Indicates required fields	
fcubs113_domain		
Deployments E-Services	What would you like to name your new connection factory?	
Messaging     JMS Servers	* Name: NotifyDestQCF	
Store-and-Forward Agents JMS Modules	What JNDI Name would you like to use to look up your new connection factory?	
Path Services ⊡-Bridges	JNDI Name: NotifyDestQCF	=
Data Sources Persistent Stores	The Connection Factory Subscription Sharing Policy Subscribers can be used to control which subscribers can access new subscriptions. Should subscriptions created using this factory be sharab	ole?
Foreign JNDI Providers     Work Contexts	Subscription Sharing Policy: Exclusive	
How do I	The Client ID Policy indicates whether more than one JMS connection can use the same Client ID. Oracle recommends setting the Client ID policy to Unrestricted if sharing durable subscribers.	
Configure quotas for destinations	Subscriptions created with different Client ID policies are always treated as independent subscriptions. What Client ID Policy would you like to use?	
Configure JMS templates     Configure destination keys	Client ID Policy:	
Configure topics     Configure queues	A connection factory can limit the number of messages that can queued for an asynchronous session. Should this connection factory impose a limit?	
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, and create XA queues and XA topics?	
Configure foreign servers		
Configure JMS SAF	VXA Connection Factory Enabled	
System Status	Back Next Finish Cancel	
Health of Running Servers		
Failed (0) Critical (0)		
Overloaded (0)		~
Done	🛛 😌 Local intranet 🔍	100% •

- 3. Enter the Name of the Connection Factory as 'NotifyDestQCF'.
- 4. Enter the JNDI Name as 'NotifyDestQCF'.
- 5. Check the box 'XA Connection Factory Enabled'.
- 6. Click 'Next'.



The following screen is displayed:

🖉 Create a New JMS System Module Resc	ource - fcubs113_domain - WLS Console - Windows Internet Explorer	P 🗙
G · Intp://10.184.74.143:8888/com	nsole/console.portal?JmsCreateSystemModuleEntityPortlet_actionOverride=/com/bea/console/actions/ins/connection/create/insconnectionFactory/ 💙 🚱 🗙 Google Powered Pandion Search 💦	P -
Ele Edit View Favorites Iools Help		
🚖 💠 🌈 Create a New JMS System Module P	Resource - faubs 11 🔤 🔹 🐻 🔹 🔂 👘 🍨 🔂 Page 🖛 🍥 Tigols	• *
	Administration Console	^
Change Center	🏦 Home Log Out Preferences 🔝 Record Help	in
View changes and restarts	Home > Summary of JDBC Data Sources > FLEXTEST.WORLD > Summary of JMS Servers > Summary of JDBC Data Sources > FLEXTEST.WORLD > Summary of JMS Servers > JMS Modules > FCUBS_SystemModule	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New JMS System Module Resource	
Lock & Edit	Back Next Finish Advanced Targeting Cancel	
Release Configuration	The following properties will be used to target your new JMS system module resource	
Domain Structure fcubs113_domain	Use this page to view and accept the default targets where this 3MS resource will be targeted. The default targets are based on the parent 3MS system module targets. If you do not want to accept the default targets, then click <b>Advanced Targeting</b> to use the subdeployment mechanism for targeting this resource.	
Deployments El-Services	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.	
i⇔Messaging ···JMS Servers ···Store-and-Forward Agents	Targets :	
··· JMS Modules	Servers	
Path Services		=
Data Sources	AnagedServer1	
Persistent Stores Foreign JNDI Providers		
Work Contexts	Back Next Finish Advanced Targeting Cancel	
How do I		1
<ul> <li>Configure quotas for destinations</li> </ul>		
Configure JMS templates     Configure destination keys		
Configure destination keys     Configure topics		
Configure queues		
Configure connection factories		
Configure uniform distributed topics		
Configure uniform distributed queues		
Configure foreign servers		
Configure JMS SAF		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		×
Done	Local Intranet 😤 100%	
	G	



7. Click 'Advanced Targeting'. The following screen is displayed.

🖉 Create a New JMS System Module Reso	purce - fcubs113_domain - WLS Console - Windows Internet Explorer
🚱 🕤 👻 http://10.184.74.143:8888/co	nsole/console.portal 💌 🛃 🔀 Google Powered Pandion Search 🖉
Ele Edit View Favorites Iools Help • McAfee /	
😭 🏘 🌈 Create a New JMS System Module P	Resource - foubsil
ORACLE WebLogic Server®	Administration Console
Change Center	🏦 Home Log Out Preferences 🔤 Record Help 📃 🔍 Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules >FCUBS_SystemModule
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New JMS System Module Resource
Lock & Edit	Back Next Finish Cancel
Release Configuration	The following properties will be used to target your new JHS system module resource
Domain Structure fcubs 113_domain	Use this page to which a wildowignment to assign this system module resource. A subdedingment is a mechanism by which 765 resources are grouped and targeted to a server instance, dualar, or SAB agent. The research, you can real a new subdegingment by clicing the <b>Create a New Subdeployment</b> button. You can also reconfigure subdegioyment pages module's subdegioyment management page.
I <sup>™</sup> Deployments B <sup>™</sup> Services I <sup>®</sup> Messaging	Select the subdeployment you want to use. If you select (none), no targeting will occur.
JMS Servers Store-and-Forward Agents	Subdeployments: FCUBS V Create a New Subdeployment
····JMS Modules ····Path Services	What targets do you want to assign to this subdeployment?
🕀 Bridges	Targets :
Data Sources Persistent Stores	
Foreign JNDI Providers     Work Contexts	Servers
How do L	AnnagedServer1
Configure quotas for destinations	JMS Servers
Configure JMS templates	
Configure destination keys     Configure topics	CUBS_JMSServer
Configure queues	
Configure connection factories	Back Next Finish Cancel
Configure uniform distributed topics	
Configure uniform distributed queues	
Configure foreign servers	
Configure JMS SAF	
System Status	
Health of Running Servers	
Failed (0)	
Critical (0)	
Overloaded (0)	
Done	Succel Intranet 🔍 100% 🔹

- 8. Select the 'Subdeployments' as FCUBS.
- 9. Under JMS Servers, check the box against 'Managed Server'.



**10.** Click 'Finish'. The following screen is displayed:

Settings for FCUBS_SystemModule - fc	ubs113_d	omain - WLS Console -	Windows	Interne	t Explorer						_ 0
👅 🕤 👻 🙋 http://10.184.74.143:8888/cor	nsole/console	.portal?_nfpb=true&_pageLa	bel=JM55y	stemModu	leConfigGeneralF	Page		v 47 >	Google I	owered Pandion Search	
jle Edit ⊻jew Favorites Tools Help 9 McAfee* / →											
🗧 🏟 🌈 Settings for FCUBS_SystemModule	- fcubs113_d	omai						Č	<b>•</b> •	- 🖶 🔹 🔂 <u>P</u> age 🔹 🌘	) T <u>o</u> ols
	Administra	tion Console									Q
Change Center	Home	e Log Out Preferences 🔤	Record He	elp		Q		Welcome,	weblogic	Connected to: fcubs113	_domai
/iew changes and restarts			s >FLEXTES	T.WORLD	>Summary of JM	S Servers >	Summary of JDBC Data Sources > FLE	XTEST.WORLD >Summary of JMS	Servers >JMS		
Pending changes exist. They must be activated to take effect.	Message	Modules >FCUB5_SystemModule Messages @Connection factory created successfully.									
<ul> <li>Activate Changes</li> </ul>											
Undo All Changes	_	for FCUBS_SystemModu									
Domain Structure	Configu	uration Subdeployments	Targets	Security	y Notes						
ubs113_domain -EnvironmentDeployments	This pa	age displays general informat	on about a	JMS syste	em module and its	s resources	. It also allows you to configure new	r resources and access existing r	esources.		
-Services Messaging	Name:			FCUBS_	SystemModule		1	The name of this JMS system mod	iule. More I	nfo	
	This pa	ptor File Name: age summarizes the JMS reso ation quota, distributed desti	urces that h nations, for	ave been	JBS_SystemModu created for this ers, and store-an	JMS syster	n module, including queue and topic	The name of the JMS module desc destinations, connection factorie			s,
Data Sources Persistent Stores Foreign JNDI Providers		© Customize this table									
Work Contexts	Summ	ary of Resources									
00 00 1	New	Delete							Showi	ng 1 to 2 of 2 Previous	Next
Configure JMS system modules Configure subdeployments in JMS system modules		Name 🚕		Туре			JNDI Name	Subdeployment	т	argets	
Configure resources for JMS system modules		NotifyDestQCF		Connect	tion Factory		NotifyDestQCF	FCUBS	FC	UBS_JMSServer	
vstem Status		NOTIFY_DEST_QUEUE		Queue			NOTIFY_DEST_QUEUE	FCUBS	FC	UBS_JMSServer	
alth of Running Servers	New	Delete							Showi	ng 1 to 2 of 2 Previous	Next
Failed (0)											
Critical (0)	-										
Overloaded (0)											
Warning (0)											
OK (2)											

- 11. The message 'Connection Factory created successfully' is displayed.
- 12. Click on the Connection Factory 'NotifyDestQCF' to have XA Connection Factory enabled.



### The following screen will be displayed.

Welcome, weblogic Connected to: fcubs113_domain 5 Servers >345
Welcome, weblogic Connected to: fcubs113_domain 5 Servers >JMS
5 Servers >JMS
ent connection, default delvery, load balancing, and security parameters.
The name of this JMS connection factory. More Info
The global JNDI name used to look up a connection factory within a clustered JNDI namespace. More Info
Specifies whether this JMS resource defaults to the parent module's targeting or uses the subdeployment targeting mechanism. More Info

## 13. Click 'Transactions' Tab. The following screen is displayed.

Settings for NotifyDestQCF - fcubs113	3_domain - WLS Console - Windows Internet Explorer	- 6 🛛
	console/console.portal?_nfpb=true%_pageLabel=JMSConnectionFactorytransactionparamsTabPage%handle=com.bea.console.handles.JMXHandle%; 💙 🚱 🗙 Google Powered Pandion S	Search 👂 🔹
Eile Edit Yiew Favorites Tools Help McAfee •		
🔶 🏟 🍘 Settings for NotifyDestQCF - fcubs1	113_domain - WL5 🚺 🔹 🔂 👘 🔹 🔂 🔒	ıge • ۞ T <u>o</u> ols • ×
	<sup>®</sup> Administration Console	Q 🗠
Change Center	🏦 Home Log Out Preferences 🖾 Record Help 📃 🔍 Welcome, weblogic Connected to: fou	ubs113_domain
View changes and restarts	Home >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS_SystemModule >NotifyDestQCF	
Pending changes exist. They must be activated to take effect.	Settings for NotifyDestQCF	
Activate Changes	Configuration Subdeployment Notes	
Undo All Changes	General Default Delivery Client Transactions Flow Control Load Balance Security	
Domain Structure	Save	
fcubs113_domain	Use this page to define the transaction configuration for this JMS connection factory. You can define a transaction time-out value, and also indicate whether an XA queue or XA topic co factory is returned, which create sessions that are JTA user-transaction aware. Transaction Timeout: 3600 The timeout value (in seconds) for all transactions on connection	
Store-and-Forward Agents JNS Modules Path Services Data Sources Data Sources Parsistent Stores Parsistent Stores Parsistent Stores More Journey Work Contexts	Indicates whether a XA quote time         Save	n factory can to create an
How do I		
Configure connection factories  System Status Health of Running Servers  Failed (0)  Critical (0)  Controladed (0)  Warning (0)  OK (2)		



- 14. Check the box 'XA Connection Factory Enabled'.
- 15. Click 'Save'. The following screen is displayed.

C Settings for NotifyDestQCF - fcubs113	3_domain - WLS Console - Windows Internet Explorer	N			
() - E http://10.184.74.143:8888/cor	$console/console.portal?\_nfpb=true \&\_pageLabel=:MSConnectionFactory transaction paramsTabPage \& handle=com.bea.console.handles.;MXH and e & a$	💌 🗲 🗙 Google Powered Pandion Search 🖉 🔹			
Ele Edit View Favorites Tools Help					
😭 🏟 🌈 Settings for NotifyDestQCF - fcubst	55113_domain - WL5	🏠 🔹 🔝 🔹 🖶 🔹 🕞 Bage 🗸 🎯 Tgols 🗸 🎽			
	Administration Console	Q			
Change Center	😰 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: fcubs113_domain			
View changes and restarts	Home >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS_SystemModule >NotifyDestQCF				
Pending changes exist. They must be activated to take effect.	Pending changes exist. They must be activated Messages				
Activate Changes	Settings for NotifyDestQCF				
Undo All Changes	Configuration Subdeployment Notes				
Domain Structure	General Default Delivery Client Transactions Flow Control Load Balance Security				
fcubs113_domain					
Deployments	Save				
Services     Services     Servers     Servers     Store-and-Forward Agents	Use this page to define the transaction configuration for this JMS connection factory. You can define a transaction time-out value, and also factory is returned, which create sessions that are JTA user-transaction aware.	indicate whether an XA queue or XA topic connection			
JMS Modules Path Services B-Bridges	Transaction Timeout: 3600 The timeout value (in this connection factor	seconds) for all transactions on connections created with ry. More Info			
Toata Sources     Persistent Stores     Foreign JNDI Providers     Work Contexts	deg An Connection Factory Endured     lessed to create an     At Session, which in     A torset on manner	XA queue or XA topic connection factory is returned, topic connection factory. An XA connection factory can XAConnection, which in turn may be used to create an urn may be used to obtain an XAResource for use inside r., More Info			
How do I	Save				
Configure connection factories	Save				
System Status					
Health of Running Servers					
Failed (0)					
Critical (0)					
Overloaded (0) Warning (0)					
OK (2)					

- 16. The message 'Settings updated successfully' is displayed.
- 17. Click 'Activate Changes' button under 'Change Center'.

The message 'All the changes have been activated. No restarts are necessary' is displayed.

C Settings for NotifyDestQCF - fcubs113	_domain - WLS Console - Windows Inte	ernet Explorer	_ C 🖾
🕒 🗸 🖉 http://10.184.74.143:8888/con	sole/console.portal?_nfpb=true&_pageLabel=ht	ttp://10.184.74.143:8888/console/console.portal?_nfpl	b=true&_pageLabel=JMSConnectionFactor 💙 🐓 🗙 Google Powered Pandion Search 🖉 👂
Elle Edit View Favorites Tools Help			
🚖 🕸 🌈 Settings for NotifyDestQCF - fcubs1	13_domain - WLS		🟠 🔹 🗟 🔹 🔂 Page 🕶 🎯 T <u>o</u> ols 🕶 🎽
	Administration Console		Q 🙆
Change Center	🏠 Home Log Out Preferences 🔤 Record	d Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home > FLEXTEST.WORLD > Summary of JMS Modules > FCURS_SystemModule > NotifyDett(	Servers >Summary of JDBC Data Sources >FLEXTEST.W	ORLD >Summary of JMS Servers >JMS
Click the Lock & Edit button to modify, add or delete items in this domain. Lock & Edit	Messages  All changes have been activated. No res		
Release Configuration	Settings for NotifyDestQCF		
Recase comparation	Configuration Subdeployment Notes	s	
Domain Structure	General Default Delivery Client Tra	ransactions Flow Control Load Balance Secur	ity
frubs113_domain	Save		fine a transaction time-out value, and also indicate whether an XA queue or XA topic connection
B-Bridges     Control Stores	Transaction Timeout:		The timeout value (in seconds) for all transactions on connections created with this connection factory. More Info
Horden JNDI Providers	XA Connection Factory Enable     Save	ed	Indicates whether a XA queue or XA topic connection factory is returned, instead of a queue or topic connection factory. An XA connection factory can be used to create an XAConnection, which in turn may be used to create an XASession, which in turn may be used to obtain an XAResource for use inside a transaction manager. More Info
System Status	Click the Lack & Edithutton in the Change	e Center to modify the settings on this page.	
Health of Running Servers	Citer and Eber of Eber bactor in the change	e center to moury are actuage on and page.	
Failed (0)			
Critical (0)			
Overloaded (0)			
Warning (0) OK (2)			
OK (2)			



# 7.3 Configuring Weblogic for PMGateway

To deploy and run PMGateway application in weblogic server following configuration needs to be done

Copy runtime12.jar from database servers ORACLE\_HOME/sqlj/lib to application servers library path WEBLOGIC\_HOME/user\_projects/domains/<app-domain>/lib

# 7.4 Configuring Weblogic for Oracle Banking Trade Finance

This section explains the steps for configuring Oracle WebLogic application server for Oracle Banking Trade Finance. Follow the steps given below:

1. Select the domain from the domain structure as shown below. (Eg: fcubs113\_domain).

🖉 Home Page - fcubs113_domain - WLS Console - Windows Internet Explorer 📃 🖻 🔀					
G v //10.184.74.143:8888/co	🕽 🐨 🖉 http://10.184.74.143.8888/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/con				
E/e Edk Yew Fgyorites Iools Help © McAfoe 👔 -					
🚖 🔅 🏀 Home Page - fcubs113_domain - W	LS Console		🟠 🔻 🔝 👻 🖶 🖬 🖓 Bage 🛪 🎯 Tools 👻		
			Q 🌢		
Change Center	🏠 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: fcubs113_domain		
View changes and restarts	Home >Summary of JMS Servers >Summary of JDBC Dat Modules >FCUBS_SystemModule >NotifyDestQCF >FCUB	a Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS SS_systemModule >NotifyDestQCF > <b>fcubs113_domain</b>			
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Home Page				
Lock & Edit	- Information and Resources				
	Helpful Tools	General Information			
Release Configuration	<ul> <li>Configure applications</li> </ul>	<ul> <li>Common Administration Task Descriptions</li> </ul>			
	<ul> <li>Configure GridLink for RAC Data Source</li> </ul>	<ul> <li>Read the documentation</li> </ul>			
Domain Structure	<ul> <li>Recent Task Status</li> </ul>	<ul> <li>Ask a question on My Oracle Support</li> </ul>			
fcubs113 domain Environment	<ul> <li>Set your console preferences</li> </ul>	Oracle Guardian Overview			
Deployme(fcubs113_domain)	- Domain Configurations				
🖨 Messaging	Domain	Services	Interoperability		
····JMS Servers	Domain	Messaging	WTC Servers		
Store-and-Forward Agents		<ul> <li>JMS Servers</li> </ul>	Jolt Connection Pools		
JMS Modules	Environment	<ul> <li>Store-and-Forward Agents</li> </ul>			
⊞-Bridges	Servers	<ul> <li>JMS Modules</li> </ul>	Diagnostics		
Data Sources	Clusters	<ul> <li>Path Services</li> </ul>	Log Files		
Persistent Stores	Virtual Hosts	<ul> <li>Bridges</li> </ul>	Diagnostic Modules		
Foreign JNDI Providers     Work Contexts	Migratable Targets	Data Sources	Diagnostic Induces     Diagnostic Images		
	Coherence Servers	Persistent Stores	Request Performance		
How do I 😑	Coherence Clusters	XML Registries	Archives		
Search the configuration	Machines	XML Entity Caches	Context		
Use the Change Center		Foreign JNDI Providers	SNMP		
Record WLST Scripts	Work Managers		SUMP		
Change Console preferences	Startup And Shutdown Classes	Work Contexts     jCOM	Charts and Graphs		
Monitor servers	Your Deployed Resources	Mail Sessions	Monitoring Dashboard		
	Deployments	<ul> <li>FIeT3</li> </ul>			
System Status		• JTA			
Health of Running Servers	Your Application's Security Settings				
Failed (0)	Security Realms				
Critical (0)					
Overloaded (0)					
Warning (0)					
OK (2)					



The following screen is displayed:

	s113_domain - WLS Console - Windows Internet Exp		
	.nsole/console.portal?_nfpb=true&_pageLabel=DomainConfigGene	eralPage&DomainConfigGeneralPortlethanc	dle=com.bea.console.handles.JMXHand 💙 🐓 🗙 Google Powered Pandion Search
dit View Favorites Tools Help Afoc -			
Settings for fcubs113_domain - fc	ubs113_domain - W		🟠 👻 🗟 👘 🖶 Bage 🕶 🎯 T <u>o</u> ol
	Administration Console		
e Center	😰 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: fcubs113_dom
hanges and restarts	Home >Summary of JMS Servers >Summary of JDBC Data Sour Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS_Sys	rces >FLEXTEST.WORLD >Summary of JMS stemModule >NotifyDestQCF >fcubs113_do	Servers >JMS main
ding changes exist. Click the Release aration button to allow others to edit the	Settings for fcubs113_domain		
Lock & Edit	Configuration Monitoring Control Security Web	b Service Security Notes	
Release Configuration	General JTA JPA EJBs Web Applications Log	gging Log Filters	
in Structure	Save		
13 domain ironment loyments vices Messaging IJMS Servers	A domain is a collection of WebLogic Server instances that i domain. * Indicates required fields	is managed by a single Administration Serv	er. Use this page to configure administrative options that apply to all servers in the current
	* Name:	fcubs113_domain	The name of this WebLogic Server domain. More Info
Path Services B-Bridges Data Sources Persistent Stores	Enable Administration Port		Specifies whether the domain-wide administration port should be enabled for this WebLogic Server domain. Because the administration port uses SSL, enabling the administration port requires that SSL must be configured for all servers in the domain. More Info
Foreign JNDI Providers Work Contexts			
	Administration Port:	9002	(Requires you to enable the administration port.) More Info
o I nge Console preferences figure the domain-wide administration port	Administration Port:	true	Requires you to enable the administration port.) More Info Specifies whether all servers in this domain run in production mode. Once enabled, this can only be disabled in the admin server startup command line. More Info
nge Console preferences figure the doman-wide administration port tive configuration files ble the Console m Status			Specifies whether all servers in this domain run in production mode. Once enabled, this can only be disabled in the admin server startup command
o z ge Console preferences Sigure the domain-wide administration port we configuration files the Console m Status fRunning Servers Failed (0)	n Production Mode:		Specifies whether all servers in this domain run in production mode. Once enabled, this can only be disabled in the admin server startup command line. More Inflo Specifies whether optimizations for Quele Enabled and escale transcenary, and reduced loss controls. This athibute who lide are abled only when configuring a WebLogs domain for Quele Enables. For more information, see "transfer Enables. For Annue and Charles and the control of the mode of the configuring a WebLogs domain for Quele Enables. For more information, see "transfer Environment for Environment in Oracle WebLogs. Environment in Oracle WebLogs. Environment for the transfer Environment for Environment in the Oracle WebLogs. Environment for the transfer Environment for Environment in the Oracle WebLogs. Environment for the transfer Environment for Environment in the Oracle Enables. Environment for the transfer Environment for the transfer environment for the transfer environment for the transfer environment for the transfer environment for the transfer environment for the transfer environment for t
per Conside preferences     grue the domain-wide administration port     vie configuration files     ide the Console	종] Production Mode:	tue	Specifies whether all servers in this domain run in production mode. Once enabled, this can only be disabled in the admin server startup command line. More Info
geConside preferences     grave the domain-wide administration port     ive configuration files     the Console     file the Console     of Rumning Servers         Failed (0)         Cretioaded (0)	الله المعاد	tue	Specifies whether all servers in this domain run in production mode. Once enabled, this can only be disabled in the admin server startup command line. More Info
per Conside preferences     grue the domain-wide administration port     vie configuration files     ide the Console		tue	Specifies whether all servers in this domain run in production mode. Once enabled, this can only be disabled in the admin server startup command line. More Enfo  Specifies whether optimizations for Onade Exalogic should be enabled. The admin server startup command production induce improved thread immagement and request processing, configuring a Webbage domain for Onade Exalogic, Form ore formation, server 11g Refease 1 (10.3.4) in the Orade Exalogic Oragionment Guide Englishing Exalogi-Specific Enhancements in Orade Webbage Server 11g Refease 1 (10.3.4) in the Orade Exalogic Oragioment Guide. How Enformations, see Transing Exalogi-Specific Enhancements in Orade Webbage Server 11g Refease 1 (10.3.4) in the Orade Exalogic Oragioment Guide. How Enformations, Specifies that deployments targeted to a duster succeed only if all servers in the duster are nonling. More Enformation, and uddhoptore are deployed to demand (first access) network of during servers startup. More Information.



2. Under 'configuration' tab ,Select 'Web Applications'. The following screen is displayed.

Settings for fcubsilis_domain - fcubsi	113_domain - WLS Console - Windows Internet Explorer					
🚱 🗣 🙋 http://10.184.74.143:8888/con	nsole/console.portal?_nfpb=true&_pageLabel=DomainConfigWebAppPage&DomainConfigWebAppPortlethandle=co	om.bea.console.handles.JMXHar 💙 🖅 🗙 Google Powered Pandion Search 🖉 🔹				
Ele Edit View Favorites Tools Help McAfoe						
🔆 🏟 🍘 Settings for fcubs113_domain - fcub	bs113_domain - W	🟠 🔹 🔂 👘 🖶 📴 Bage 🔹 🎯 Tools 🔹 🎽				
	Administration Console	Q 🏠				
Change Center	🔒 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: fcubs113_domain				
View changes and restarts	Home >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules >FCUBS_SystemModule >NotifyDestQCF >FC Sessions >fcubs113_domain	CUBS_SystemModule >NotifyDestQCF >fcubs113_domain >Summary of Mail				
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for fcubs113_domain	ettings for fcubs113_domain				
Lock & Edit	Configuration Monitoring Control Security Web Service Security Notes					
Release Configuration	General JTA JPA EJBs Web Applications Logging Log Filters					
Domain Structure	Click the Lock & Editbutton in the Change Center to modify the settings on this page.					
fcubs113_domain	Save					
Deployments Services Hessaging	Use this page to define the domain-wide Web application configuration settings.					
	🗌 🙀 Relogin Enabled	Beginning with the 9-0 release the FORMURALIC authentication behavior has been modified to confirm strictly to the 12EE Specification. If a use has the strict of the strict of (FOREDEV) again will be extended. Turn the flog on to enable the add behavior, which was to return the user to the login form. More Info				
How do I	🔄 🐠 Allow All Roles	In the security-constraints elements defined in a Web application's web.xml depoyment decorptor, the auth-constraint element indicates the user roles in the security of the security of the security of the security of the "" is a compact syntax for indicating al role in the Web application. In previous releases, role-name = "" was treated as al user injoins defined in the realm. This parameter is a bolowind-compatibility switch to restore of d				
Deploy Web applications     Stop deployed Web applications     Delete Web applications		behavior. Default behavior is one required by the spec, meaning all roles defined in the web application. If set, the value defined in methodic.cml (container descriptor > solew-all-roles) takes precedence (if set) over this value. More Info				
Update run-time descriptors  System Status	d E Filter Dispatched Requests	Indicates whether or not to apply filters to dispatched requests. This is a backward compatibility flag. Until version 8.1, WebLogic Server applied ServletFilters (if configured for the Web application) on request dispatches (and indudes/forwards). Servlet 2.4 has introduced the "Dispatcher" element				
Health of Running Servers		to make this behavior explicit. The default value is Dispatcher=REQUEST. In order to be complaint with the J2EE specification, the default value for				
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)		FilterDispatchedRequestEinbaled is faile beginning with Webugg Earver 9.0. Note that 1 <sup>4</sup> you are using od excerptosi (meaning with with does not have FilterDispatchedRequestEinbaled = hute for the Web applications, unless filter-dispatchedRequestEinbaled = hute, for early the subscription the means that od applications will work first without any modification. The means that od applications will work first without any modification.				
	Overload Protection Enabled	The parameter is used to enable overload protection in the websap container against low memory conditions. When a low memory situation occurs, new webbag: service Session/Transformership and the situation and the set of webbag: service Session/Transformership appropriate error pages can be configured in web, will against.				
Done		Succel Intranet 🔍 100% 💌				

3. Scroll down and ensure that the details are as shown in the figure. The remaining portion of the screen is given below:



C Settings for fcubs113_domain - fcubs11	ings for fcubs113_domain - fcubs113_domain - WLS Console - Windows Internet Explorer						
COO - 10 http://10.184.74.143:8888/consc	😧 🕘 🔹 👔 http://10.184.74.143.8888/console.pontal?_nfpb=true8_paget.abel=DomanCanfigWebAppPageNandle=com.bes.console.handes.TWHandle%28%22com.bes%344a 👱 😚 🗶 Coople Powered Pandon Saarch 🤌 🕈						
Elle Edit View Favorites Iools Help O McAfee ]							
🔶 🏟 🏉 Settings for fcubs113_domain - fcubs	113_domain - W	🏠 👻 🗟 👘 🖶 2age 🗸 🎯 Tgols 🗸 🎽					
	Http Trace Support Enabled	Returns the value of HttpTraceSupportEnabled. More Info					
	UebLogic Plugin Enabled	Specifies whether or not the proprietary VIL-Proxy-Client-IP header should be honored. (This is needed only when WebLogic plugins are configured.) More Info					
	✓ Auth Cookie Enabled	Whether authcookie feature is enabled or not. More Info					
		Global property to determine if we need to generate a new SessionID after authentication. When this property set to "false", the previous sessionID will be retained even after authorization. More Info					
	WAP Enabled	Indicates whether the session ID should include JVM information. (Checking this box may be necessary when using URL: remriting with WAP devices that limit the size of the URL to I23 darracters, and may also affect the use of replicated sessions in a cluster.) When this box is selected, the default size of the URL will be set at 52 darracters, and it will not contain any special characters. More info					
	Post Timeout: 30	The amount of time this server waits between receiving chunks of data in an HTTP POST data before it times out. (This is used to prevent derial-of-service attacks that attempt to overload the server with POST data.) More Info					
	Maximum Post Time: -1	Max Post Time (n seconds) for reading HTTP POST data in a servlet request. MaxPostTime < 0 means unlimited More Info					
	Maximum Post Size: _1	The maximum post size this server allows for reading HTTP POST data in a servlet request. A value less than 0 indicates an unlimited size. More info					
	☑ Work Context Propagation Enabled	Indicates whether or not WorkContextPropagation is enabled. By default it is turned on. There is a little overhead involved in propagating WorkContexts. Therefore, if you don't care about WorkContext propagation, turn this value off in production environments. More Info					
	d€ P3P Header Value:	Returns the P3P Header value that will be sent with all responses for http requests (if non-null). The value of this header points to the location of the policy reference file for the Vieb site. More Info					
	JSP Compiler Backwards Compatible	Global property to determine the behavior of the JSP compiler. When this property set to "true", the JSP compiler throws a translation error for JSPs that do not confirm to the JSP.0. specification. This property exists for backward compatibility. More Info					
		Global property to determine the behavior of getReaPath() for archived web applications. When this property set to "true", getRealPath() will return the canonical path of the resource files. More Info					
	Save						



Settings for fcubs113_domain - fcubs113_domain	- WLS Console - Windows Internet Explorer				
🚱 🕞 💌 🙋 http://10.184.74.143:8888/console/console.portal?_nfpb=true&_pageLabel=DomainConfigWebAppPage&handle=com.bea.console.handles.JMXHandle%28%22com.bea%3ANa 🚽 🐓 🗶 Google Powered Pandion Search 🛛 🔎 💌					
Ele Edit View Favorites Iools Help					
🚖 🏟 🍘 Settings for fcubs113_domain - fcubs113_domain - V	N	🟠 = 🔝 - 🖶 : 🕞 Eage = 🎯 T <u>o</u> ols = 🎽			
Http	Trace Support Enabled	Returns the value of HttpTraceSupportEnabled. More Info			
🗌 WebL	.ogic Plugin Enabled	Specifies whether or not the proprietary WL-Proxy-Client-IP header should be honored. (This is needed only when WebLogic plugins are configured.) More Info			
V Auth	Cookie Enabled	Whether authcookie feature is enabled or not. More Info			
الا <del>رو</del> ل در	hange Session ID On Authentication	Global property to determine if we need to generate a new SessionID after authentication. When this property set to "false", the previous sessionID will be retained even after authorization. More Info			
U WAP	Enabled	Indicates whether the session ID should include JVM information. (Checking this box may be necessary when using URL rewriting with WAP devices that limit the size of the URL to 123 characters, and may also affect the use of replicated sessions in a cluster.) When this box is selected, the default size of the URL will be set at 52 characters, and it will not contain any special characters. More Info			
Post Time	sout: 30	The amount of time this server waits between receiving churks of data in an MTTP POST data before it times out. (This is used to prevent denial-of-service attacks that attempt to overload the server with POST data.) More Info			
Maximum	Post Time: -1	Max Post Time (in seconds) for reading HTTP POST data in a servlet request. MaxPostTime < 0 means unlimited More Info			
Maximum	Post Size: -1	The maximum post size this server allows for reading HTTP POST data in a servlet request. A value less than 0 indicates an unlimited size. More Info			
V Work	Context Propagation Enabled	Indicates whether or not WorkContextPropagation is enabled. By default it is turned on. There is a little overhead involved in propagating WorkContexts. Therefore, if you don't care about WorkContext propagation, turn this value off in production environments. More Info			
offer рэр на	eader Value:	Returns the P3P Header value that will be sent with all responses for http requests (if non-null). The value of this header points to the location of the policy reference file for the Web site. More Info			
ور 🔧 💟	5P Compiler Backwards Compatible	Global property to determine the behavior of the JSP compiler. When this property set to "true", the JSP compiler throws a translation error for JSPs that do not conform to the JSP2,0 specification. This property exists for backward compatibility. More Info			
الله <del>ولي</del> A	rchived Real Path Enabled	Global property to determine the behavior of getRealPath() for archived web applications. When this property set to "true", getRealPath() will return the canonical path of the resource files. More Info			
Save					

- 4. Check the options 'JSP Compiler Backwards Compatible' and 'Archived Real Path Enabled'.
- 5. Click 'Save'.



6. The following screen is displayed:

🖉 Settings for fcubs113_domain - fcubs	113_domain - WLS Console - Windows Internet Explorer				
🚱 🕞 🗸 🙋 http://10.184.74.143:8888/cor	rsole/console.portal?_nfpb=true%_pageLabel=DomainConfigWebAppPage%handle=com.bea.console.handles.JMVHar	ndle%28%22com.bea%3ANa 💙 🐓 🗙 Google Powered Pandion Search 🛛 🔎 🔹			
Ele Edit View Favorites Iools Help • McAfee /					
🚖 🕸 🏾 🏀 Settings for fcubs113_domain - fcu	bs113_domain - W	🟠 🔹 🗟 👘 👘 🖓 Bage 🛪 🎯 Tools 🔹 🍟			
	Administration Console	Q 🏠			
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain			
View changes and restarts	Home >Summary of JMS Servers >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >J Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS_SystemModule >NotifyDestQCF > <b>fcubs113_domain</b>	MS			
Pending changes exist. They must be activated to take effect.					
Activate Changes	Settings updated successfully.				
Undo All Changes	Settings for fcubs113_domain				
	Configuration Monitoring Control Security Web Service Security Notes				
Domain Structure	General JTA JPA EJBs Web Applications Logging Log Filters				
fcubs113_domain	Save				
Deployments					
⊡-Messaging	Use this page to define the domain-wide Web application configuration settings.				
Store-and-Forward Agents					
	🔲 🍪 Relogin Enabled	Beginning with the 9.0 release the FORM/BASIC authentication behavior has been modified to conform strictly to the J2EE Specification. If a user has			
B-Bridges		logged-in but does not have privileges to access a resource, the 403 (FORBIDDEN) page will be returned. Turn this flag on to enable the old			
Persistent Stores		behavior, which was to return the user to the login form. More Info			
Foreign JNDI ProvidersWork Contexts	🔲 🍓 Allow All Roles	In the security-constraints elements defined in a Web application's web.xml deployment descriptor, the auth-constraint element indicates the user roles			
How do I		that should be permitted access to this resource collection. Here role-name = "se" is a compact syntax for indicating all roles in the Web application. In			
Deploy Web applications		previous releases, role-name = "*" was treated as all users/roles defined in the realm. This parameter is a backward-compatibility switch to restore old			
Stop deployed Web applications		behavior. Default behavior is one required by the spec, meaning all roles defined in the web application. If set, the value defined in weblogic.xml			
Delete Web applications		(container-descriptor -> allow-all-roles) takes precedence (if set) over this value. More Info			
Update run-time descriptors		Indicates whether or not to apply filters to dispatched requests. This is a			
System Status	🗌 🏨 Filter Dispatched Requests	Indicates whether or not to apply fitters to dispatched requests. This is a backward compatibility flag. Until version 8.1, WebLogic Server applied ServletFilters (if configured for the Web application) on request dispatches			
Health of Running Servers		(and includes/forwards). Service 2.4 has introduced the "Dispatcher" element to make this behavior explicit. The default value is Dispatcher=REQUEST. In			
Failed (0)		order to be complaint with the JZEE specification, the default value for FilterDispatchedRequestEnabled is false beginning with WebLogic Server 9.0.			
Critical (0)		Note that if you are using old descriptors (meaning with webcigit server s.o. version =2.4), then WebLogic Server automatically uses			
Overloaded (0)		FilterOlspatchedRequestsEnabled = true for the Web applications, unless filter-dispatchedRequestsEnabled is explicitly set to false in weblogic.xml.			
Warning (0) OK (2)		This means that old applications will work fine without any modification. Additionally, during migration of old domains to the 9.0 domain, the migration			
		plugin automatically sets this flag to true. More Info			
	Overload Protection Enabled	This parameter is used to enable overload protection in the webapp container			
		against low memory conditions. When a low memory situation occurs, new session creation attempts will result in			
l		weblogic.servlet.SessionCreationException. The application code needs to catch this exception and take proper action. Alternatively appropriate error-			
Dope		💙 Local intrapet 👚 100% 💌			

- 7. Ensure that the message 'Settings are updated successfully' is displayed.
- 8. Click the button 'Active Changes'.

# 7.5 Setup/Configure Mail Session in Weblogic

This section describes the set of configurations changes required in Oracle Weblogic Server when Oracle Banking Trade Finance is configured to generate and send passwords to users via e-mail.

# 7.5.1 Creating JavaMail Session

To configure mail session, follow the steps below.



1. Expand 'Services' on the left pane of the application server. Click 'Mail Sessions'.

Summary of Mail Sessions - fcubs113_	_domain - WLS Console - Windows Internet Ex	plorer		
🔆 🕑 🔻 👔 http://10.194.74.143.8888/console.console.contai?.r/pb=trues_paget.abel=HalMalSessionTablePage				🖌 😽 🗙 Google Powered Pandion Search 🛛 🔎 🔹
Elle Edit View Favorites Tools Help				
😭 🏟 🌈 Summary of Mail Sessions - fcubs11	3_domain - WLS C			🏠 🔹 🔂 🔹 🖶 🔹 🔂 Bage 🕶 🎯 Tools 🖛 🍟
ORACLE WebLogic Server®	Administration Console			Q 🗠
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Q		Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.W Modules >FCUBS_SystemModule >NotifyDestQCF >FC	ORLD > Summary of JMS Servers > JMS UBS_SystemModule > NotifyDestOCF > fcubs113	domain >Summary of Mail Sess	ions
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of Mail Sessions			
Lock & Edit Release Configuration	Mail sessions facilitate the process of using the JavaMail APIs, which provide applications and other JZEE modules with access to Internet Message Access Protocol (IMAP) - and Simple Mail Transfer Protocol (SMTP) - capable mail servers on your network or the Internet.			
Domain Structure         This page summarizes the mail sessions that have been configured in the current WebLogic Server domain.				
Data Sources	New Clone Delete			Showing 0 to 0 of 0 Previous   Next
Foreign JNDI Providers Work Contexts	Name 🗇	Properties		JNDI Name
XML Registries		There are no	items to display	
XML Entity Caches jCOM <b>Mail Sessions</b>	New Clone Delete			Showing 0 to 0 of 0 Previous   Next
How do I				
Configure access to JavaMal     Target mal sessions     Delete mal sessions  System Status     Faldin of Running Servers     Falded (0)     Overloaded (0)     Warning (0)     OK (2)				

#### 2. Click 'Lock & Edit'.

Summary of Mail Sessions - fcubs113	_domain - WLS Console - Windows Internet E	xplorer	
COO - @ http://10.184.74.143:8888/co	onsole/console.portal?_nfpb=true&_pageLabel=MailMailSe	essionTablePage	🖌 🛃 🗶 Google Powered Pandion Search
Ele Edit View Favorites Tools Help			
🚖 🕸 🌈 Summary of Mail Sessions - fcubs1:	13_domain - WL5 C		🟠 👻 📾 👻 📑 Page 👻 🎲 Tgols 🔹
ORACLE WebLogic Server®	Administration Console		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.V Modules >FCUBS_SystemModule >NotifyDestQCF >F4	WORLD >Summary of JMS Servers >JMS CUBS_SystemModule >NotifyDestQCF >fcubs113_dor	nain >Summary of Mail Sessions
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of Mail Sessions		
Lock & Edit Release Configuration	Mail sessions facilitate the process of using the Ja Protocol (SMTP)-capable mail servers on your netw This page summarizes the mail sessions that have	work or the Internet.	22EE modules with access to Internet Message Access Protocol (IMAP)- and Simple Mail Transfer
Domain Structure	This page summarizes the mail sessions that have	been conligated in the current weblogic server o	onan.
	Customize this table		
···· JMS Modules	Mail Sessions		
Path Services  B-Bridges	Click the Lock & Edit button in the Change Cente	r to activate all the buttons on this page.	
Data Sources Persistent Stores	New Clone Delete		Showing 0 to 0 of 0 Previous   Next
Foreign JNDI Providers Work Contexts	🔲 Name 🗇	Properties	JNDI Name
XML Registries		There are no iter	ns to display
XML Entity Caches	New Clone Delete		Showing 0 to 0 of 0 Previous   Next
Mail Sessions			
How do L	l		
Configure access to JavaMail			
Target mail sessions			
Delete mail sessions			
System Status	i i i i i i i i i i i i i i i i i i i		
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
ОК (2)			
	1		



3. Following screen is displayed; Click 'New' for creating a new session.

🖉 Summary of Mail Sessions - fcubs113_	_domain - WLS Console - Windows Internet E	xplorer			- 7 🛛
😋 🕞 🔻 👔 http://10.184.74.143:8888(console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/console/				ρ-	
File Edit View Favorites Tools Help					
😭 🏟 🔾 Summary of Mail Sessions - fcubs11	3_domain - WLS C			🟠 🔹 🔝 🕤 🖶 🕇 🔂 Page 🕶 🎯	T <u>o</u> ols • 3
	Administration Console				Q
Change Center	🏦 Home Log Out Preferences 🔤 Record Help	Q		Welcome, weblogic Connected to: fcubs113_d	omain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST./ Modules >FCUB5_SystemModule >NotifyDestQCF >F		omain >Summary of Mail Sessions		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Summary of Mail Sessions				
Lock & Edit	Mail sessions facilitate the process of using the Ja Protocol (SMTP)-capable mail servers on your net This page summarizes the mail sessions that have	work or the Internet.		Message Access Protocol (IMAP) - and Simple Mail Transf	er
Domain Structure					
C-Messaging	Customize this table				
Store-and-Forward Agents	Mail Sessions (Filtered - More Columns Exis	it)			
JMS Modules	New Clone Delete			Showing 0 to 0 of 0 Previous   Ne	
B-Bridges	New Clone Delete			Showing 0 to 0 of 0 Previous   Ne	xt
Data Sources	🔲 Name 🗇	Properties	JNDI Na	ame	
Persistent Stores		There are no it	and to dealers		-
Foreign JNDI Providers		Inere are no it	ems to display		
XML Registries	New Clone Delete			Showing 0 to 0 of 0 Previous   Ne	ext
XML Entity Caches					- 11
jCOM Mail Sessions					
How do I					
Configure access to JavaMail					
Target mail sessions					
Delete mail sessions					
System Status					
Health of Running Servers					
Failed (0)					
Critical (0)					
Overloaded (0)					
Warning (0)					
OK (2)					

4. Following screen is displayed.

Create a New Mail Session - fcubs113_	domain - WLS Console - Windows Internet Explorer	
💽 🗸 🖌 http://10.184.74.143:8888/con	sole/console.portal?_nfpb=true&_pageLabel=MailCreateMailSession	Google Powered Pandion Search
Ele Edit View Favorites Tools Help McAfee		
😭 🏟 🌈 Create a New Mail Session - fcubs11	3_domain - WLS	🏠 👻 🔝 🕤 🖶 🔹 📴 Bage 🗸 🎯 Tools 🗸 🎽
	Administration Console	Q
Change Center	🟦 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS_SystemModule >NotifyDestQCF >fcubs113_domain >Summary of Mail Sessions	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New Mail Session	
Lock & Edit	Back Next Finish Cancel	
Release Configuration	Mail Session Properties The following property will be used to identify your new mail session.	
Domain Structure	* Indicates required fields	
fcubs113_domain	What would you like to name your new mail session?	
E-Services	* Name: FCUBSMailSession	
JMS Servers Store-and-Forward Agents JMS Modules Path Services	et + JHDI Name: mail/FCUBSMail	
Bridges	🚰 JavaMail Properties:	
Data Sources Persistent Stores	mail.host=stbeehive.oracle.com	
Foreign JNDI Providers	mail.smtps.debug=true mail.smtps.port=smtps	
	mail.smtps.auth=true	
How do I	mail.smtps.host=stbeehive.oracle.com	
Configure access to JavaMail     Target mail sessions	Back Next Finish Cancel	
- Target man accasions		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
ОК (2)		



5. Specify the required details to create a session. Sample details are given below:

#### Name

FCUBSMailSession

#### JNDI Name

mail/FCUBSMail

This JNDI name needs to be maintained in fcubs.properties file with encrypted format.

#### **Java Mail Properties**

mail.host=<HOST\_MAIL\_SERVER>

Eg: samplename.mail.com

mail.smtps.port=<SMTPS\_SERVER\_PORT>

Eg: 1010

mail.transport.protocol=<MAIL\_TRANSFER\_PROTOCOL>

Eg: smtps

mail.smtps.auth=true

mail.smtps.host==<HOST\_SMTPS\_MAIL\_SERVER>

Eg: samplename.mail.com

6. Click 'Next'.



The following screen is displayed.

Create a New Mail Session - fcubs113_	domain - WLS Console - Windows Internet Explorer			
🕒 🗸 🖌 🖉 http://10.184.74.143:8888/cor	sole/console.portal?MailCreateMailSessionPortlet_actionOverride=/com/bea/console/actions/mail/createmailsession/deployTargets	Google Powered Pandion Search		
Elle Edit View Favorites Iools Help McAfee				
😭 🏟 🍘 Create a New Mail Session - fcubs11	I3_domain - WLS	🟠 🔹 🔝 👘 🖷 🖬 📴 Bage 🕶 🎯 Tools 🕶 🍟		
	Administration Console	Q		
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain		
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS_SystemModule >NotifyDestQCF >fcubs113_domain > <b>Summary of Mail Sessions</b>			
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New Mail Session			
Lock & Edit	Back Next Finish Cancel			
Release Configuration	Hail Session Targets			
Domain Structure	This page indicates on which WebLogic Server instances or clusters the mail session is accessible. Only applications that have been deplo session.	yed to the selected servers or clusters can use this mail		
fcubs113_domain	Session. When you target all or part of a cluster, the Administration Console initiates a two-phase deployment. In general, such a deployment ensures that if the deployment fails for one activities fails for all active servers.			
-Messaging -JMS Servers	Servers			
Store-and-Forward Agents JMS Modules Path Services	AdminServer			
B-Bridges     Data Sources     Persistent Stores	✓ ManagedServer1			
Foreign JNDI Providers	Back Next Finish Cancel			
How do I				
Configure access to JavaMail     Trends and another the second seco				
Target mail sessions				
System Status				
Health of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0) Warning (0)				
OK (2)				

7. Check the box against the required servers and click 'Finish' to complete the configuration.

\*fcubs.properties' file needs to be updated with the encrypted values of

- SMTP\_HOST
- SMTP\_USER
- SMTP\_PASSWORD
- SMTP\_JNDI

This can be achieved using the Oracle Banking Trade Finance Installer.



8. Click 'Active Changes' button to activate the current mail session settings.

C Summary of Mail Sessions - fcubs113	Iomain - WLS Console - Windows Internet Explorer		
🚱 🕞 👻 👔 http://10.184.74.143.88888/console.foorsole.portal?.r/pb=trues_pageLabel=MalMalSessionTablePage 🔍 🍫 🔀 🕼			
Elle Edit View Favorites Tools Help McAfee			
🚖 🏟 🌈 Summary of Mail Sessions - fcubs1	_domain - WLS C	🟠 🔹 🗟 👘 📴 Rage 👻 🎯 Tools 👻	
	Administration Console	Q	
Change Center	🏠 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: fcubs113_domain	
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS_SystemModule >NotifyDestQCF >fcubs113_domain >>	Summary of Mail Sessions	
Pending changes exist. They must be activated to take effect.			
Activate Changes	Mail session created successfully.		
Undo All Changes	Summary of Mail Sessions		
Domain Structure           → Messaging         ▲           → Mit Servers         ★           → Servers         ★           → Mit NotAldes         ↓           → Path Services         ↓           ↓→ Path Services         ↓	Mail sessions facilitate the process of using the JavaMail APIs, which provide applications and other J2EE in Protoco (SMTP)-capable mail servers on your network or the Internet. This page summarizes the mail sessions that have been configured in the current WebLogic Server domain Customize this table Mail Sessions		
Data Sources Persistent Stores	New Clone Delete	Showing 1 to 1 of 1 Previous   Next	
Foreign JNDI Providers Work Contexts			
····XML Registries ····XML Entity Caches	□ Name ↔ Properties	JNDI Name	
jCOM Mail Sessions	FCUBSMailSession mail.smtps.auth=true mail.smtps.port=smtps mail.smtps.host=stbeehive.ora	de.com mail.smtps.debug=true mail.host=stbeehive.oracle.com mail/FCUBSMail	
How do I	New Clone Delete	Showing 1 to 1 of 1 Previous   Next	
Configure access to JavaMal     Target mail sessions     Delete mail sessions      System Status Health of Running Servers     Failed (0)			
Critical (0) Overloaded (0)			
Warning (0)			
OK (2)			

# 7.5.2 Configuration of the TLS/SSL Trust Store for Weblogic Server

As described in the previous section, Oracle Banking Trade Finance uses SMTPS to send outgoing mails. SMTPS uses SSL to ensure transport-level security of the mail messages and hence, the certificate of the mail server needs to be imported into the trust store(s) of the Managed Servers where Oracle Banking Trade Finance is deployed.

The certificate of the mail server needs to be specifically imported into the trust store configured for the Managed Server(s), as configured in the Oracle Banking Trade Finance Installation guide titled 'SSL Configuration On Weblogic' (SSL\_Configuration).

For further details on importing the certificate of the mail server into the trust store, refer to the documentation for the Sun Java keytool utility (Key and Certificate Management tool).





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Oracle Financial Services Software Limited Oracle Park Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India

Worldwide Inquiries: Phone: +91 22 6718 3000 Fax: +91 22 6718 3001 https://www.oracle.com/industries/financial-services/index.html

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