Weblogic Configuration Oracle FLEXCUBE Investor Servicing Release 14.0.0.0 [May] [2018]



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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 Certificates and Keypairs

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
- 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 2048 -sigalg SHA256withRSA -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:

- 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.
- 4. **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.
- 5. **First and Last Name (CN)**: Enter the domain name of the machine used to access FLEXCUBE INSTALLER SERVICING, for instance, www.example.com
- 6. **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.
- 7. **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.



- 8. **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.
- 10. **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 2048 bits, the signature algorithm as SHA256withRSA, 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:

```
keytool -genkey -keystore FCUBSKeyStore.jks -alias cvrhp0729 -dname
"CN=10.10.10.10,OU=OFSS" -keyalg "RSA" -sigalg "SHA256withRSA" -
keysize 2048 -validity 1000
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
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, 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 2048 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:

- 7. **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.
- 8. **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.
- 9. First and Last Name (CN): Enter the domain name of the machine used to access FLEXCUBE INSTALLER SERVICING, for instance, www.example.com
- 10. **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.



- 11. **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.
- 12. **Name of your City or Locality**: The city in which your organization is physically located, for example Mumbai.
- 13. **Name of your State or Province**: The state/province in which your organization is physically located, for example Maharashtra.
- 14. **Two-letter Country Code for this Unit**: The country in which your organization is physically located, for example US, UK, IN etc.

#### Example

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

```
keytool -genkey -keystore FCUBSKeyStore.jks -alias cvrhp0729 -dname
"CN=10.10.10.10,OU=OFSS" -keyalg "RSA" -sigalg "SHA256withRSA" -
keysize 2048 -validity 1000
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
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, 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.

#### **Example**

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

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

```
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,

- 4. *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.
- 5. *cert\_file* is the location of the file containing the PKCS#7 formatted reply from the CA, containing the signed certificate.
- 6. *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

```
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 FLEXCUBE INSTALLER SERVICING 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 FCIS 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

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.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.



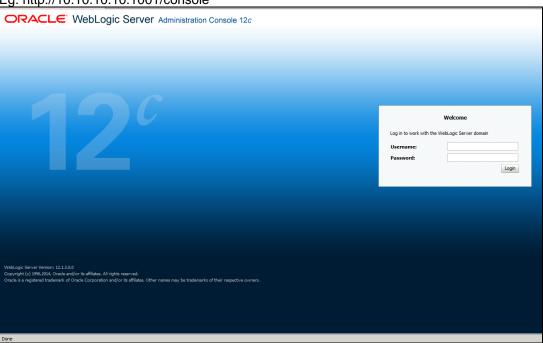
- Oracle Weblogic on Unix/Linux Box:
  - > Set {ORACLE\_HOME} in the environment variable.
  - Update the environment variable LD\_LIBRARY\_PATH as {ORACLE\_HOME}/lib. This is to load all the .so files.
  - Ensure that the ojdbc\*.jar file in {WL\_HOME}/server/lib/ojdbc\*.jar is the same as the file {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 for Gateway Application (MDB)

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.

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





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

Navigate to Oracle Weblogic home page.

Home Page - fcubs113_doma			🟠 👻 📾 👻 📴 Zoge 👻 🏠 Tgols
ACLE WebLogic Serv			Q
e Center	💼 Home Log Out Preferences 🔤 Record Help	<u>Q</u>	Welcome, weblogic Connected to: fcubs113_doma
changes and restarts	Home		
e Lock & Edit button to modify, add o items in this domain.	Home Page		
Lock & Edit	- Information and Resources		
LOCK & EDE	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>	
in Structure	<ul> <li>Recent Task Status</li> </ul>	<ul> <li>Ask a question on My Oracle Support</li> </ul>	
13_domain /ironment	<ul> <li>Set your console preferences</li> </ul>	Oracle Guardian Overview	
ployments			
vices	Domain Configurations		
urity Realms eroperability	Domain	Services	Interoperability
gnostics	Domain	<ul> <li>Messaging</li> </ul>	WTC Servers
		<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>	<ul> <li>Log Files</li> </ul>
	<ul> <li>Virtual Hosts</li> </ul>	<ul> <li>Bridges</li> </ul>	<ul> <li>Diagnostic Modules</li> </ul>
	Migratable Targets	Data Sources	<ul> <li>Diagnostic Images</li> </ul>
o I	Coherence Servers	<ul> <li>Persistent Stores</li> </ul>	Request Performance
ch the configuration	Coherence Clusters	<ul> <li>XML Registries</li> </ul>	Archives
the Change Center	Machines	XML Entity Caches	Context
ord WLST Scripts	Work Managers	Foreign JNDI Providers	<ul> <li>SNMP</li> </ul>
nge Console preferences	<ul> <li>Startup And Shutdown Classes</li> </ul>	Work Contexts	
itor servers		• jCOM	Charts and Graphs
tor servers	Your Deployed Resources	Mail Sessions	<ul> <li>Monitoring Dashboard P</li> </ul>
m Status	Deployments	FileT3	
of Running Servers		• JTA	
-	Your Application's Security Settings		
Failed (0)	Security Realms		
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			
ogic Server Version: 10.3.4.0			
ight © 1996,2010, Oracle and/or its affilia	tes. All rights reserved. xoration and/or its affiliates. Other names may be trademarks of their res	snertive numers.	
to a register ca modeliark or oracle corp	erenen arreger ao annanco o mer names may de trademarks or treir res	pecare anness	
			📢 Local intranet 🔍 100%

2. Click 'LOCK & EDIT'.

Following screen is displayed:

🚖 🏟 🏉 Summary of JDBC Data Sources - fo	cubs113_domain			🏠 🔹 🔝 🕤 🖶 🔹 🔂 Bage 🔹 🎯 Tgols 🔹
ORACLE WebLogic Server® Administration Console				
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 borrow a database connection from a data source.	tree that provides database co	nnectivity through a pool of JDBC connections. Applications o	an look up a data source on the JNDI tree and then
Domain Structure	This page summarizes the JDBC data source object	s that have been created in this	domain.	
fcubs113_domain				
Environment     Deployments	Customize this table			
-Services	Data Sources (Filtered - More Columns Exist	)		
Messaging     Data Sources	New Y Delete			Showing 1 to 2 of 2 Previous   Next
Persistent Stores				storing to core menos press
***Foreign JNDI Providers	🔲 Name 🐟	Туре	JNDI Name	Targets
Work Contexts XML Registries	FCUBS113	Generic	idbc/fcidevDS	ManagedServer 1
XML Entity Caches				
Mail Sessions	FCUBS113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer1
Fle T3	New Y 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				
Deete sobe multi data sources				
System Status				
Health of Running Servers				
Faled (0)				
Critical (0)				
Overloaded (0)				
Warning (0)				
OK (2)				
WebLogic Server Version: 10.3.4.0 Copyright @ 1996.2010. Oracle and/or its affiliates. All	rights reserved.			
	n and/or its affiliates. Other names may be trademarks of their	respective owners.		
http://10.184.74.143:8888/console/console.portal?_	nfpb=true&_pageLabel=UserPreferencesPageGeneral			Scal intranet 🔍 100% 🝷



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

Change Center	🔒 Home Log Out Preferences 🔤 Record	Help	<u>.</u>	Welcome, weblogic Connected to: fcubs113_dom
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.	Summary of JDBC Data Sources Configuration Monitoring			
Lock & Edit Release Configuration	A 3DBC data source is an object bound to the borrow a database connection from a data s	e JNDI tree that provides databas source.	e connectivity through a pool of JDBC con	nections. Applications can look up a data source on the JNDI tree and then
Domain Structure	This page summarizes the JDBC data source	objects that have been created in	n this domain.	
Cubs113_domain  E-Environment  Deployments  Services	Customize this table	- Evict)		
Messaging     Data Sources	New V Delete			Showing 1 to 2 of 2 Previous   Next
Persistent Stores Poreign JNDI Providers Work Contexts	Generic Data Source GridLink Data Source	Туре	JNDI Name	Targets
XML Registries	Multi Data Source	Generic	jdbc/fcjdevDS	ManagedServer1
-jCOM Mail Sessions	FCUBS113Branch	Generic	jdbc/fcjdevDS8ranch	ManagedServer1
Here de T	New V Delete			Showing 1 to 2 of 2 Previous   Next
100 00 1				
Create JDBC generic data sources     Create JDBC GridLink data sources				
Create IDBC multi data sources				
Delete JDBC data sources				
Delete JDBC multi data sources				
System Status E	3			
Health of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Warning (0)				
OK (2)				
WebLogic Server Version: 10.3.4.0				
	All rights reserved.			
	tion and/or its athliates. Other names may be trademarks	of their respective owners.		

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

🚖 🎄 🌈 Create a New JDBC Data Source - fo	cubs113_domain		🏠 • 🔊 - 🖶 • 📴 Eage • 🎲 Tgols • 🍟	
	Administration Console		Q	
Change Center	A Home Log Out Preferences		Welcome, weblogic Connected to: fcubs113_domain	
View changes and restarts	Home >Summary of JDBC Data Sources			
No pending changes exist. Click the Release Configuration buttion to allow others to edit the domain. Lock & Edit Release Configuration		d to identify your new JDBC data source.		
Domain Structure	* Indicates required fields			
fach113,demain     fach113,demain     Postprogrammet     Postprog	What would you like to name your n	en JBBC data source? FLEXTEST WORLD  ssign to your new JBBC Data Source?		
Create JDBC generic data sources	What database type would you like	to select?		
Create LLR-enabled JDBC data sources	Database Type:	Oracle		
System Status  Health of Running Servers	Back Next Finish Cancel			
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)				
Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. n and/or its affiliates. Other names may be tr			

#### 5. Specify the following details:

JDBC Datasource Name	FLEXTEST.WORLD	
JNDI Name	FLEXTEST.WORLD	
Database Type	Oracle	



#### 6. Click 'Next'.

The following screen is displayed:

🚖 🎄 🔀 🔻 🌽 Oracle WebLogic Server Adr	m 💋 Create a New JDBC Data 🗴	🏠 🔹 🔂 👘 🖶 📴 Page 🕶 🎯 T <u>o</u> ols 🔹 🎽
	Administration Console	Q 🗠
Change Center View changes and restarts No period phrage sets. Click the Release Configuration ball to allow others to edit the domain. Lock & Entil Resease Configuration Domain Structure fabil13_domain @P-Environment ->Desloyments	Mone Log Out Preferences Record Help     Q     Home Summary of Diployments Summary of Servers ManagedServer1 > Summary of JDBC Data Sources     Create a New JDBC Data Source     Back Next Frien Cancel     JDBC Data Source Properties     The following properties will be used to identify your new JDBC data source.     Database Type: Oracle     What database driver would you like to use to oreate database connections? Note: * indicates that the driver is explicitly as	Welcome, weblogic Connected to: fcubs113_domain
Greenices     Generation     Ge	Database Driver         "Oracle's Driver (Thin XA) for Instance connections; Versions 9 0.1 and later           Back         Item         French         Cancel	✓
System Status  Health of Running Servers  Health of Running Servers  Critical (0)  Critical (0)  Warning (0)  Warning (0)  Websidge: Server Wearning (0)	right namend. 9 pailor to diffute. Other names may be trademarks of their respective covers.	

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

😭 🏟 🔡 👻 🏉 Oracle WebLogic Server Adr	m 🖉 Create a New JDBC Data X		🛐 🔹 🔂 🔹 🖶 Page 🔹 🎯 Tools 👻 🎽	
ORACLE WebLogic Server® Administration Console				
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: fcubs113_domain	
View changes and restarts	Home >Summary of Deployments >Summary of JDBC Data	Sources		
View charges and restarts       Profile Soundary of Laboration Soundary So				
How do I				
Create JDBC generic data sources     Create LLR-enabled JDBC data sources  System Status				
Health of Running Servers				
Falled (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)				
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. 1 and/or its affiliates. Other names may be trademarks of their respect	öve owners.		



8. Click 'Next'. The following screen is displayed:

🚖 💠 🌈 Create a New JDBC Data Source - fo	subs113_domain		🚹 🔹 🔝 👘 🖶 Page 🔹 🎯 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				
No pending changes exist. Click the Release Configuration had but others to edit the Contain				
Domain Structure	What is the name of the database you would like t	to connect to?		
fcubs113_domain  E-Environment  Deployments	Database Name:	KERDEV2		
Services     BerNessaging	What is the name or IP address of the database se	erver?		
Data Sources     Persistent Stores     Foreign JNDI Providers	Host Name:	10.10.10		
Work Contexts	What is the port on the database server used to c	connect to the database?		
XML Registries XML Entity Caches jCOM	Port:	1010		
Mail Sessions	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?		
System Status	Password:	•••••		
Health of Running Servers	Confirm Password:	•••••		
Failed (0)           Critical (0)           Overloaded (0)	Back Next Finish Cancel			
Warning (0) OK (2)				
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- 9. This screen defines the connection properties. Set the details as shown below:
- 10. Specify the Database Name, Host Name, Port of the database server to connect, Database User Name and Password. Confirm the password.
- 11. Click 'Next'.

The following screen is displayed.

🍘 Create a New JDBC Data Source - DefaultDoma	in		🟠 🔻 🖾 👻 🖃 🖶 👻 Page 👻 Safety 👻 Tools 👻 🛞 👻 🔅			
	ORACLE WebLogic Server® Administration Console					
Change Center	💼 Home Log Out Preferences 🔤 Record Help	٩	Welcome, weblogic Connected to: DefaultDomain			
View changes and restarts	Home >Summary of JDBC Data Sources					
Configuration editing is enabled. Future changes will automatically be activated as you						
modify, add or delete items in this domain.	r, 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 connection pr	operties you provided.				
Deployments Services	What is the full package name of JDBC driver class us	ed to create database connections in the connection pool?				
⊞-Messaging ⊟-JDBC	(Note that this driver class must be in the classpath o	f any server to which it is deployed.)				
Data Sources	Driver Class Name:					
Data Source Factories	Driver class hanne.	oracle.jdbc.OracleDriver				
Persistent Stores     Foreign JNDI Providers	What is the URL of the database to connect to? The f	format of the URL varies by JDBC driver.	E			
Coherence Clusters 	URL:	jdbc:oracle:thin:@10.10.10				
XMI Renistries						
How do I	What database account user name do you want to us	se to create database connections?				
Create JDBC data sources	Database User Name:	FCPB1121				
Create LLR-enabled JDBC data sources	What is the database account password to use to cre	eate database connections?				
System Status	(Note: for secure password management, enter the p	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 JDBC driver w	hen creating database connections?				
	Properties:					
	user=FCPB1121					
	What table name or SQL statement would you like to	use to test database connections?				
	Test Table Name		-			



- 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 - fo	cubs113_domain		🐴 🔹 🔝 🕤 🖶 🖬 🔹 📴 Bage 👻 🍈 Tools 👻
	Administration Console		Q 🍝
Change Center	🏠 Home Log Out Preferences 🔤 Record Hel	lp Q	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources		
No pending changes exist. Click the Release	Messages		
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		
fçubs113_domain	Test the database availability and the connection	in properties you provided.	
Environment     Deployments	What is the full package name of JDBC driver class	as used to create database connections in the connection pool?	
Services	(Note that this driver class must be in the classpa	th of any server to which it is deployed.)	E
⊞-Messaging			
Data Sources	Driver Class Name:		
Foreign JNDI Providers	biner class numer	oracle.jdbc.OracleDriver	
Work Contexts			
XML Registries	What is the URL of the database to connect to? T	The format of the URL varies by JDBC driver.	
XML Entity Caches	URL:		
jCOM		jdbc:oraclethin:@10.10.10.	
Mail Sessions			
	What database account user name do you want t	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 to	o create database connections?	
	Mater for easy to presured expressiont, option t	the password in the Password field instead of the Properties field belo	
System Status	(voter for acture password management, enter t	and pusation and the reasonance instead of the properties field belo	<i>mj</i>
Health of Running Servers			
	Password:	•••••	
Failed (0)			
Critical (0)	Confirm Password:		
Overloaded (0)			
Warning (0)	What are the properties to pass to the JDBC drive	er when creation database connections?	
OK (2)	what are the properties to pass to the sobe and	er mer e carry autobac contectoris:	
UK (2)	Properties:		
	user=FCPB1121		
1			
Done			🔍 Local intranet 🛛 🔍 100% 👻
			Gendindato (100%



#### 17. Click 'Next'.

160	tollo	1000	screen	10	dia	- I-

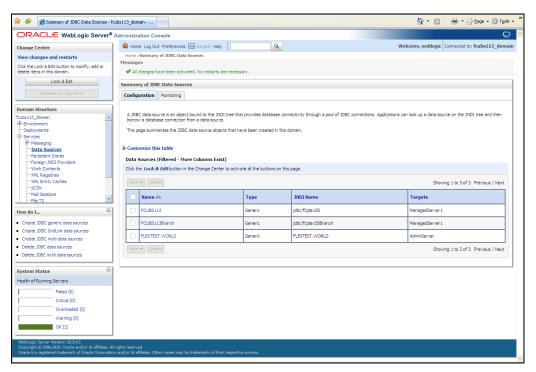
😭 🕸 🌈 Create a New JDBC Data Source - fr	ubs113_domain	🟠 🔹 🗟 👘 🖶 Page 👻 🎯 T <u>o</u> ols 👻
	Administration Console	Q 🧉
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources	
No pending dranges exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JOBC Data Source           Back         Final         Cancel           Select Targets         You can select one or more targets to deploy your new JOBC data source. If you don't select a target, the alternative section of the select and target.         You can select one or more targets to deploy your new JOBC data source. If you don't select a target, the alternative section of the select and target.	re data source will be created but not deployed. You will need to deploy the data source at
fcubs113_domain	Servers	
⊕-Environment     ⊡Deployments     ⊕-Services     ⊕-Messaging	✓     AdminServer	
Data Surces Persistent Stores Poregn JND Providers Work Contexts Work Contexts 	Back Treft Finah Cancel	
How do L		
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)		
WebLogic Server Version: 10.3.4.0 Copyright @ 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. and/or its afflates. Other names may be trademarks of their respective owners.	

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

RACLE WebLogic Server®			1.				Ģ
ange Center		Home Log Out Preferences 🔤 Record	Help	٩		Wel	come, weblogic Connected to: fcubs113_doma
ew changes and restarts	Ho	ome >Summary of JDBC Data Sources					
nding changes exist. They must be activated take effect.		nmary of JDBC Data Sources					
Activate Changes	Co	nfiguration Monitoring					
Undo All Changes	A	A JDBC data source is an object bound to the	e JNDI tree ti	nat provides database conr	nectivity through a pool of JDBC connection	ns. Applications car	look up a data source on the JNDI tree and then
main Structure		his page summarizes the JDBC data source		have been assessed to also d	la se a fa		
bs113_domain		his page summarizes the JUBC data source	objects that	have been created in this o	omain.		
Environment Deployments		ustomize this table					
"Deployments "Services	PC	ustomize this table					
Messaging	Da	ata Sources (Filtered - More Columns	Exist)				
Data Sources		New V Delete					Showing 1 to 3 of 3 Previous   Next
Foreign JNDI Providers Work Contexts XML Registries		🔲 Name 🐵		Туре	JNDI Name		Targets
XML Entity Caches		FCUBS113		Generic	jdbc/fcjdevDS		ManagedServer1
Mail Sessions		FCUBS113Branch		Generic	jdbc/fcjdevDSBranch		ManagedServer1
w 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							
stem Status							
alth 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.



20. 'FLEXTEST.WORLD' datasource has been created.



### 7.2.1.3 Non-XA Enabled Data Source For FCIS Application

 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. http:10.10.10.1001/console Eg: <u>http://10.10.10.101/console</u>

<form>



3. Navigate to Oracle Weblogic home page.

🚖 🎄 🏀 Home Page - fcubs113_domain	- WLS Console		🟠 🔻 🖾 👘 🖶 📴 Rage 🕶 🍥 Took
	er <sup>®</sup> Administration Console		Ģ
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: fcubs113_doma
View 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		
LOCK & EOR	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>	
omain Structure	<ul> <li>Recent Task Status</li> </ul>	<ul> <li>Ask a question on My Oracle Support</li> </ul>	
ibs113_domain Environment	<ul> <li>Set your console preferences</li> </ul>	<ul> <li>Oracle Guardian Overview</li> </ul>	
Deployments	- Domain Configurations		
-Services -Security Realms	Domain	Services	v
Interoperability	Domain	Messaging	Interoperability  • WTC Servers
Diagnostics	• Doman	Messaging     JMS Servers	Jolt Connection Pools
	Environment	<ul> <li>Store-and-Forward Agents</li> </ul>	Juic connection Politis
	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
w do I	Coherence Servers	<ul> <li>Persistent Stores</li> </ul>	Request Performance
	Coherence Clusters	<ul> <li>XML Registries</li> </ul>	Archives
Search the configuration	Machines	<ul> <li>XML Entity Caches</li> </ul>	Context
Jse the Change Center	Work Managers	<ul> <li>Foreign JNDI Providers</li> </ul>	<ul> <li>SNMP</li> </ul>
Record WLST Scripts Change Console preferences	<ul> <li>Startup And Shutdown Classes</li> </ul>	<ul> <li>Work Contexts</li> </ul>	
unange Console preferences Monitor servers		• jCOM	Charts and Graphs
Monitor servers	Your Deployed Resources	Mail Sessions	<ul> <li>Monitoring Dashboard @</li> </ul>
stem Status	Deployments	<ul> <li>FIET3</li> <li>JTA</li> </ul>	
alth of Running Servers	Your Application's Security Settings	• JIA	
	Security Realms		
Failed (0)	Security Reams		
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			
febLogic Server Version: 10.3.4.0	<u> </u>		
pyright © 1996,2010, Oracle and/or its affiliate			
Copyright @ 1996,2010, Oracle and/or its affiliate	zs. All rights reserved. oration and/or its affiliates. Other names may be trademarks of their respe	ctive owners.	

The following screen is displayed:

🚖 🎄 🌈 Summary of JDBC Data Sources - fcub	bs113_domain			🟠 • 🔊 - 🖶 • 📴 Bage • 🎯 Tgols • 👌
	dministration Console			Q 🖆
Change Center	🟦 Home Log Out Preferences 📐	Record Help	We	come, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data So	urces		
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 be borrow a database connection from		onnectivity through a pool of JDBC connections. Applications ca	in look up a data source on the JNDI tree and then
Domain Structure	This page summarizes the JDBC da	ta source objects that have been created in thi	s domain.	
fcubs113_domain				
Deployments	Customize this table			
Services     Messaging	Data Sources (Filtered - More	Columns Exist)		
Data Sources	New 🛩 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
-Fle T3	New 🛩 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				
System Status				
Health of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Warning (0)				
OK (2)				
WebLogic Server Version: 10.3.4.0				
Copyright © 1996,2010, Oracle and/or its affiliates. All rig Oracle is a registered trademark of Oracle Corporation a				~



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

	Administration Console			C
	Home Log Out Preferences A Record	Help		Welcome, weblogic Connected to: fcubs113_doma
hange Center	Home >Summary of JDBC Data Sources			welcome, webogie   connected to: hebbirth_donne
/iew changes and restarts				
Io pending changes exist. Click the Release Configuration button to allow others to edit the Iomain.	Summary of JDBC Data Sources Configuration Monitoring			
Lock & Edit				
Release Configuration	A JDBC data source is an object bound to the borrow a database connection from a data se	e JNDI tree that provides database ( ource.	connectivity through a pool of JDBC connections	s. Applications can look up a data source on the JNDI tree and then
omain Structure	This page summarizes the JDBC data source	objects that have been created in th	nis domain.	
ubs113_domain				
-Environment	Customize this table			
Deployments Services	Data Sources (Filtered - More Columns	Evict)		
E Messaging		EXISC)		
···Data Sources	New V Delete			Showing 1 to 2 of 2 Previous   Next
Persistent Stores Foreign JNDI Providers	Generic Data Source	Туре	JNDI Name	Targets
Work Contexts	GridLink Data Source	туре	JNDI Name	Targets
····XML Registries	Multi Data Source	Generic	jdbc/fcjdevDS	ManagedServer 1
XML Entity Caches 				
Mail Sessions	FCUBS113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer1
Fle T3	New 🛩 Doloto			Showing 1 to 2 of 2 Previous   Next
low 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				
ystem Status				
lealth of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Warning (0)				
OK (2)				

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

Standard statuts         More shadpes said restarts.           Periodic Statuts         Procession Statuts           Procession Structure         The Source of the So	🖗 🙁 🔹 🍘 FCUBSWiki - Enabling Debug			🟠 • 🖾 - 🖶 • 🔂 Bage • 🕼 Tgols
Write values and restarts			Help Q	Welcome, weblogic Connected to: fcubs113 domain
<pre>hending changes exist. They must be activated base effet.</pre>		Enconnected second state of the Assessed		
Undo Al Changes     Deblo transport     Deblo transport <td>ending changes exist. They must be activated</td> <td>Create a New JDBC Data Source</td> <td></td> <td></td>	ending changes exist. They must be activated	Create a New JDBC Data Source		
main Structure   defi11_donies   defi11_donies   Personanti   Deptogrammit   Deptogrammit </td <td>Activate Changes</td> <td>Back Next Firmin Cancel</td> <td></td> <td></td>	Activate Changes	Back Next Firmin Cancel		
small Schulture     ** Indicates required fields       ** Indicates required fields       ** Declarging in the second in the sec	Undo All Changes	JDBC Data Source Properties		
ds 13_donan     Image: Status       Privestage: Status     Image: Status       Create: Status     Image: Status		The following properties will be used to identif	fy your new JDBC data source.	
Howsmannerit   Deployments   Deployments <	STRONG	* Indicates required fields		
BP-Messageng         P-Massageng	Environment	What would you like to name your new JDBC d	ata source?	
Foregan 2012 Provides     Volk Repetition 2010 the ansatz of the specific by done the ansatz of the an	(D-Messaging	name: FC	CUBSDS	
Implementation     Implementation       Implementation     Implementatio	Foreign 3NDI Providers		ur new 308C Data Source?	
www.destreet.com     www.destreet.com       www.		and the second se		
Create JURC Content out of the select? Create JURC Cathe sources  ystem Status  Field (0) Critical (0) Critic	-XML Entity Caches 	jdbc/fojdevD3		
Create LIR-enabled JOBC data sources ystem Status abit of Running Servers failed (0) Critical (0	ow do L., 🖂			
Vaters Status Eath of Running Servers Faled (0) Critical (0)		What database type would you like to select?		
esth of Running Servers Faled (0) Critical (	Create LLR-enabled JDBC data sources	Dablass		
each of Running Servers Cancel	estem Status 🖂	Database Type:	acle 📉	
Critical (0)	ealth of Running Servers	Back Next Finan Cancel		
	Faled (0)			
Divertisated (0)	Critical (0)			
	Overloaded (0)			
Warning (0)	Warning (0)			
OK (2)	OK (Z)			



6. Specify the following details:

JDBC Datasource Name	FCISDS
JNDI Name	jdbc/fcjdevDS
Database Type	Oracle

7. Click 'Next'.

🚖 🎄 🌈 Create a New JDBC Data Source - f	cubs113_domain	🟠 🔹 🔜 — 🖶 🐑 Page = 🎯 Tools = 🎽
	Administration Console	Q
Change Center View changes and restarts	Home Log Out Preferences      Record Help     Home >Summary of JDBC Data Sources	Welcome, weblogic Connected to: fcubs113_domain
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JOBC Data Source           Back         Next         Finish         Cancel           JOBC Data Source Properties         The following properties will be used to identify your new JOBC data source.	
Domain Structure           Fub/Still_doman           IP-Brivionent           IP-Brivionent           IP-Brivionent           IP-Services           IP-Messaging           IP-Data Sources           IP-Persistent Stores           IP-Oregitives           IP-Wirk Contexts           IP-Wirk Explores           IP-Field III           IP-Field III           IP-Field IIII           IP-Field IIIII           IP-Field IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Database Type:       Oracle         What database driver would you like to use to create database connections? Note: * indicates that the driver is ex         Database Driver:       * Oracle's Driver (Thin) for Instance connections, Versions 9.0.1 and later         Back:       Next:       Pression         Cancel:       ************************************	
CK (2) WebLogic Server Version: 10.3.4.0 Copyright (5) 1995-2010, Oracle and/or its affiliates. All Oracle ia receitared trademark of Oracle Corporation	rights reserved. a and/or its uffittates. Other names may be trademarks of their respective owners.	



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

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	Administration Console	Q 🙆
Change Center View changes and restarts	Home Log Out Preferences      Record Help     Home -Summary of JDBC Data Sources	Welcome, weblogic Connected to: fcubs113_domain
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a flew JDBC Data Source           Back         Item         Cancel           Transaction Options         You have selected non-XA JDBC driver to create database connection in your new data source.	
Domain Structure fcubs113_domain B-Environment iDenjoyments	Does this data source support global transactions? If yes, please choose the transaction protocol for this data sou	rce.
Services     Ordersaging     Ordersaging	Select this option if you want to enable non-XA JOBC connections from the data source to participate in global tran Recommended in place of Emulate Two-Phase Commt. Cogging Last Resource	sections using the Logging Last Resource (LLR) transaction optimization.
Work Contexts WML Registries WAL Entity Caches 	Select this option if you want to enable non-XA JDBC connections from the data source to emulate participation in the feature conditions.  Emulate Two-Phase Commit	global transactions using JTA. Select this option only if your application can tolerate
How do I	Select this option if you want to enable non-XA JDBC connections from the data source to participate in global tran other resources can participate in the global transaction.	isactions using the one-phase commit transaction processing. With this option, no
Create JDBC generic data sources     Create LLR-enabled JDBC data sources	One-Phase Commit	
System Status	Back Next Finish Cancel	
Health of Running Servers           Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           OK (2)		
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. and/or its affiliates. Other names may be trademarks of their respective owners.	

Following screen is displayed:

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

🚖 🏘 🌈 Create a New JDBC Data Source -	fcubs113_domain		🚹 🔹 🔝 👘 🖶 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		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New JDBC Data Source Back Next Frish Cancel		
Release Configuration	Connection Properties Define Connection Properties.		
Domain Structure	What is the name of the database you would like to	o connect to?	
fcubs113_domain	Database Name:	KERDEV2	
Services     Horsaging     Total Sources     Persistent Stores	What is the name or IP address of the database se Host Name:	erver?	
Foreign JNDI Providers Work Contexts XML Registries	What is the port on the database server used to co	onnect to the database?	
····XML Entity Caches ····jCOM	Port:	1010	
Mail Sessions	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 to a	create database connections?	
System Status	Password:	•••••	
Health of Running Servers	Confirm Password:		
Failed (0)		•••••	
Critical (0)	Back Next Finish Cancel		
Overloaded (0)			
Warning (0) OK (2)			
UK (2)			
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. A Oracle is a registered trademark of Oracle Corporatio	ll rights reserved. In and/or its affiliates. Other names may be trademarks of the	sir respective owners.	

- 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 - fou	.bs113_domain		🛐 🔹 🔝 🕤 🖶 🗄 Egr Bage 🔹 🎯 Tgols 🔹 🎽
ORACLE WebLogic Server® Ad	dministration Console		Q ^
Change Center	🏠 Home Log Out Preferences 🔤 Record Help	<u> </u>	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.	Create a New JDBC Data Source Test Configuration Back Next Finish Can	ncel	
Lock & Edit	Test Database Connection		
Release Configuration	Test the database availability and the connection prop	perties you provided.	
Domain Structure	What is the full package name of JDBC driver class user	d to create database connections in the connection pool?	
fcubs113_domain	(Note that this driver class must be in the classpath of a	any server to which it is deployed.)	
-Services  -Messaging  -Data Sources	Driver Class Name:	oracle.jdbc.OracleDriver	
···Persistent Stores	What is the URL of the database to connect to? The for	rmat of the URL varies by JDBC driver.	
***Foreign JNDI Providers ***Work Contexts ***XML Registries	URL:	jdbc:oracle:oci:@10.10.10	
XML Entity Caches 	What database account user name do you want to use	to create database connections?	
File T3	Database User Name:	FCPB1121	
How do I	What is the database account password to use to crea	ite database connections?	
Create JDBC generic data sources     Create LLR-enabled JDBC data sources	(Note: for secure password management, enter the pa	assword in the Password field instead of the Properties field b	pelow)
System Status	Password:	•••••	-
Health of Running Servers Failed (0)	Confirm Password:	•••••	
Critical (0) Overloaded (0)	What are the properties to pass to the JDBC driver who	en creating database connections?	
Warning (0)	Properties: user=FCPB1121		
OK (2)	user=FCFB1121		
	The set of driver properties whose values are derived a	at runtime from the named system property.	
Done	Euclass Department		Secol intranet 🔍 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:@10.10.10.10:1010:<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 - fo	cubs113_domain		🟠 🔹 🔝 👘 🖶 🔛 Page 🗙 🎯 Tools 🔹 🎽
	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		
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 C	Cancel	
Domain Structure	Test Database Connection		
fçubs113_domain	Test the database availability and the connection pr	roperties you provided.	
B-Environment Deployments	What is the full package name of JDBC driver class us	sed to create database connections in the connection pool?	
B-Services B-Messaging H-Data Sources	(Note that this driver class must be in the classpath o	of any server to which it is deployed.)	
**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 jCOM Mail Sessions	URL:	jdbc:oracle:oci:@10.10.10.	
Fie T3	What database account user name do you want to u	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 cru	eate database connections?	
System Status	(Note: for secure password management, enter the	password in the Password field instead of the Properties field bel	ow)
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 v	when creating database connections?	
OK (2)	Properties:		
	user=FCFB1121		
Done			😌 Local intranet 🔍 100% 🔹

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

😭 🎄 🌈 Greate a New JDBC Data Source - for	ubs113_domein	🏠 👻 🗟 🕤 🖶 😨 Page + 🎯 Tools +
	Idministration Console	Q 4
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         Finah         Cancel           Select Targets         Finah         Cancel	
	You can select one or more targets to deploy your new JDBC data source. If you don't select a targ a later time.	et, the data source will be created but not deployed. You will need to deploy the data source at
Domain Structure		
fcubs113_domain   Environment  Deployments  Services	Servers       Image: AdminServer	
Hessaging     Total Sources     Persistent Stores     Foreign JNDI Providers	HanagedServer1	
Work Contexts XML Registries XML Entity Caches COM	Back Next Finish Cancel	
Mail Sessions File T3		
How do L		
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)		
UK (2)		
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All r Oracle is a registered trademark of Oracle Corporation	ights reserved. and/or its affiliates. Other names may be trademarks of their respective owners.	



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

hange Center	🚖 Hor	ne Log Out Preferences 🐼 Record Help	Q	We	Icome, weblogic Connected to: fcubs113_domai
View changes and restarts	Home	>Summary of JDBC Data Sources			
Pending changes exist. They must be activated to take effect.	Summa	ry of JDBC Data Sources			
Activate Changes	Config	uration Monitoring			
Undo All Changes	A JDE	C data source is an object bound to the JNDI tree to w a database connection from a data source.	hat provides database con	ectivity through a pool of JDBC connections. Applications ca	n look up a data source on the JNDI tree and then
Domain Structure		age summarizes the JDBC data source objects that	have been created in this d	omain	
cubs113_domain					
B-Environment Deployments	D.c.	omize this table			
B-Services	# Cust	omize this table			
Messaging	Data	Sources (Filtered - More Columns Exist)			
Data Sources	Nev	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	idbc/fcidevDS	ManagedServer1
JCOM					
Mail Sessions		FCUBS113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer1
		FLEXTEST.WORLD	Generic	FLEXTEST.WORLD	AdminServer
How do I	Nev	/ Delete			Showing 1 to 3 of 3 Previous   Next
<ul> <li>Create JDBC generic data sources</li> </ul>	Nev	Delete			Showing 1 to 3 or 3 Previous   Next
<ul> <li>Create JDBC GridLink data sources</li> </ul>					
<ul> <li>Create JDBC multi data sources</li> </ul>					
<ul> <li>Delete JDBC data sources</li> </ul>					
<ul> <li>Delete JDBC multi data sources</li> </ul>					
System Status					
Health of Running Servers					
Failed (0)					
Critical (0)					
Overloaded (0)					
Warning (0)					
OK (2)					

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.

ange Center		Hom	e Log Out Preferences 🐼 Record Help	Q	We	come, weblogic Connected to: fcubs113_doma
w changes and restarts k the Lock & Edit button to modify, add or ete items in this domain.		essage	Summary of JDBC Data Sources	cessary.		
Lock & Edit	5		ry of JDBC Data Sources			
			uration Monitoring			
main Structure ss113, doman Environment Deployments Services (B) - Messaging (Data Sources - Parsistent Stores - Foreign JND Providers - Foreign JND Providers		borrov This pi Custo Data S	C data source is an object bound to the JIOI tree a database connection from a data source, age summires the JOBC data source objects th <b>omize this table</b> <b>Sources (Filtered - Hore Columns Exist)</b> a <i>Lock &amp; Editb</i> utton in the Change Center to a	at have been created in this o		n look up a data source on the 34DD tree and then
XML Registries				cuvate all the buttons on the	page.	
jCOM		New	Y Delete		1	Showing 1 to 3 of 3 Previous   Next
Mail Sessions File T3	-		Name 🐟	Туре	JNDI Name	Targets
w do I	•		FCUBS113	Generic	jdbc/fcjdevDS	ManagedServer1
Create JDBC generic data sources			FCUBS113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer1
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		New	✓ Delete			Showing 1 to 3 of 3 Previous   Next
item Status						
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)						

22. 'FCISDS' datasource is created.



23. Click the datasource, and then click on the Connection Pool tab.

Center III Home I	Log Out Preferences	🚵 Record Help	Q		Welcome, weblogic Connected to: Default		
anges and restarts Home >Sur	mmary of Services: JDI	BC >Summary of JDB	C Data Sources >fcjdevDS >Summary of S	ervices: JDBC >Summary of JDBC	Data Sources >fcjdevDS >Summary of JDBC Data Sources >fcjdevD		
	Settings for fcjdevDS						
will automatically be activated as you							
d or delete items in this domain. Configura	ation Targets M	lonitoring Control	Security Notes				
Structure General	Connection Pool	Transaction Dia	ignostics Identity Options				
main Save							
nment Save							
es The same	The connection pool within a JDBC data source contains a group of JDBC connections that applications reserve.						
essaging within it a			gistered, usually when starting up Web				
BC Use this p	page to define the cor	oficiariation for this d	ata source's connection pool.				
reign JNDI Providers	and the definite and con						
oherence Clusters		Talk as a set of		The L	The URL of the database to connect to. The format of the URL varies by JDBC driver. More Info		
ork Contexts dE URL:		jdbc:oracle:	oci:@10.10.10.10:1010:CPU11G				
L Entity Caches				71-6	Il package name of JDBC driver class used to create the physical		
OM dE Drive	r Class Name:	oracle.jdbc.	OracleDriver	datab	ase connections in the connection pool. (Note that this driver class		
				must b Info	e in the classpath of any server to which it is deployed.) More		
L							
	1 Properties:				The list of properties passed to the JDBC driver that are used to create physical database connections. For example: server=dbserver1. List eac		
re testing options for a JDBC data user=F	user=FC1202tune			proper	rty=value pair on a separate line. More Info		
with statement with first 1990							
ure the statement cache for a JDBC tion pool							
ire credential mapping for a JDBC data							
Status 🗉 🐠 Passv	word:	••••••	•••••	The pa	assword attribute passed to the JDBC driver when creating physic		
Status  Running Servers	word:	••••••	•••••	The pi datab	assword attribute passed to the JDBC driver when creating physic ase connections. More Info		
Running Servers	word: Password:		•••••	The pi datab	assword attribute passed to the JDBC driver when creating physic see connections. More Info		
Running Servers Failed (0) Confirm F				The p datab	assword attribute passed to the JOBC driver when creating physic see connections. More Info		
Running Servers Failed (0) Critical (0) Initial Ca	Password:			datab The n	ase connections. More Info		
Running Servers Failed (0) Critical (0) Overloaded (0) Initial Ca	Password:	••••••		datab The n	ase connections. More Info		
Running Servers  Failed (0) Critical (0) Overloaded (0) Warning (0) Maximum (0)	Password:	••••••		datab The ni pool. The m	ase connections. More info where of physical connections to create when creating the connect More info aximum number of physical connections that this connection pool.		
Failed (0)         Confirm F           Critical (0)         Initial Ca           Overloaded (0)         Warring (0)	Password: pacity:	1		datab The ni pool. The m	are connections. More Info		
Running Servers  Faled (0) Critical (0) Overloaded (0) Werring (0) Oct (1)	Password: pacity: n Capacity:	1		dateb The n pool. The m contai	are connections. More Info where of physical connections to create when creating the connec More Info aximum number of physical connections that this connection pool n. More Info where of connections created when new connections are added to		
Running Servers  Faled (0) Critical (0) Overloaded (0) Werring (0) Oct (1)	Password: pacity:	1		dateb The n pool. The m contai	are connections. More Info amber of physical connections to create when creating the connec More Info aximum number of physical connections that this connection pool n. More Info		
Running Servers Faled (0) Critical (0) Overbaded (0) Warring (0) Over (1) Capacity	Password: pacity: n Capacity: Increment:	1           15           1		datab The n pool. The m contai The n	are connections. More Info where of physical connections to create when creating the connec More Info aximum number of physical connections that this connection pool n. More Info amber of connections created when new connections are added to tion pool. More Info		
Running Servers Faled (0) Critical (0) Overbaded (0) Warring (0) Over (1) Capacity	Password: pacity: n Capacity:	1 15 1		datab The n pool. The m contai The m	are connections. More Info where of physical connections to create when creating the connec More Info aximum number of physical connections that this connection pool n. More Info where of connections created when new connections are added to		
Running Servers Failed (0) Critical (0) Overloaded (0) Werning (0) Or (1) Capacity df State	Password: pacity: n Capacity: Increment: ment Cache Type:	1 15 1 LRU V		datab The m pool. The m contain The m the m the m statem	are connections. More Info  where of physical connections to create when creating the connect More Info  maker of physical connections that this connection pool more Info  maker of connectors created when new connections are added to tion pool. More Info  gorithm used for maintaining the prepared statements stored in the tent cache. More Info		
Running Servers Failed (0) Critical (0) Overloaded (0) Werning (0) Or (1) Capacity df State	Password: pacity: n Capacity: Increment:	1           15           1		datab	are connections. More Info  where of physical connections to create when creating the connect More Info  maker of physical connections that this connection pool maker of connectors created when new connections are added to tion pool. More Info  gorithm used for maintaining the prepared statements stored in the		
Running Servers Failed (0) Critical (0) Overloaded (0) Werning (0) Or (1) Capacity df State	Password: pacity: n Capacity: Increment: ment Cache Type: nt Cache Size:	1 15 1 LRU V		datab	are connections. More Info where of physical connections to create when creating the connec More Info animum number of physical connections that this connection pool n. More Info where of connections created when new connections are added to toon pool. More Info gorithm used for maintaining the prepared statements stored in the ent cache. More Info		
Running Servers Faled (0) Critical (0) Overloaded (0) Werning (0) Ori (1) Capacity dig Statemen P Adva	Password: pacity: n Capacity: Increment: ment Cache Type: nt Cache Size:	1 15 1 LRU V		datab	are connections. More Info where of physical connections to create when creating the connec More Info animum number of physical connections that this connection pool n. More Info where of connections created when new connections are added to toon pool. More Info gorithm used for maintaining the prepared statements stored in the ent cache. More Info		
Running Servers  Falled (0) Critical (0) Overloaded (0) Warning (0) OK (1) Capacity	Password: pacity: n Capacity: Increment: ment Cache Type: nt Cache Size:	1 15 1 LRU V		datab	are connections. More Info where of physical connections to create when creating the connec More Info animum number of physical connections that this connection pool n. More Info where of connections created when new connections are added to toon pool. More Info gorithm used for maintaining the prepared statements stored in the ent cache. More Info		

- 24. Select the statement cache type as 'LRU'.
- 25. Specify the statement cache size as '200'.
- 26. Click 'Save'.

## Note the following

- You need to create another data source for Oracle FCIS with the JNDI name '<Non-XA FCIS HOST JNDI name>\_ASYNC'. For example, if the Oracle FCIS HOST Non XA data source JNDI name is 'jdbc/fcjdevDS', then you need to create another data source for FCIS 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 FCIS BRANCH JNDI name>\_ASYNC'.



## 7.2.1.4 Scheduler Data Source configuration

For all the LOB and SMS schema created for FCIS, Equivalent XA data sources are required for Scheduler with Jndi name as "jndi name of LOB/SMS schema"+ "\_XA" (Standard naming convention)

Example

If there are three LOB schema's for FCIS with below jndi names

- ✓ jdbc/BR1204R1
- ✓ jdbc/EN1204R1
- ✓ jdbc/AMC1204R1

Equivalent Data source setup for scheduler will be

Data source name	Jndi Name
BR1204R1_XA	jdbc/BR1204R1_XA
EN1204R1_XA	jdbc/EN1204R1_XA
AMC1204R1_XA	jdbc/AMC1204R1_XA

## 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://10.10.10.101001/console



Following screen is displayed:

🗋 Oracle WebLogic Server Administrati 🗄	<b>v</b>
CRACLE WebLogic Server Administration Console 12c	Welcome Log in to work with the WebLogic Server domain Username:
Webcop: Server Venion: 12.1.3.0 Copyright (c) 1996-301. Oracle and/or its affliates. All rights reserved. Oracle is a registered trademark of Oracle Corporation and/or its affliates. Other names may be trademarks of their respective owners.	Password:
Done	

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

🚖 🎄 🌈 Home Page - fcubs113_domain	- WLS Console		🛐 🔹 🔝 👘 🖶 🖓 Eage 🔹 🎯 Tgols 🔹
	r <sup>®</sup> Administration Console		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	٩	Welcome, weblogic Connected to: fcubs113_domain
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		
LOCK & EDI	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	<ul> <li>Set your console preferences</li> </ul>	<ul> <li>Oracle Guardian Overview</li> </ul>	
Deployments	- Domain Configurations		
B-Services			
Security Realms II-Interoperability	Domain	Services	Interoperability
Diagnostics	Domain	Messaging	WTC Servers
		<ul> <li>JMS Servers</li> </ul>	Jolt Connection Pools
	Environment	Store-and-Forward Agents     MS Modules	
	Servers	<ul> <li>Path Services</li> </ul>	Diagnostics
	Clusters	<ul> <li>Padri Services</li> <li>Bridges</li> </ul>	Log Files
	Virtual Hosts		Diagnostic Modules
	Migratable Targets     Coherence Servers	Data Sources     Persistent Stores	Diagnostic Images     Request Performance
low do I	Coherence Servers     Coherence Clusters	XML Registries	Request Performance     Archives
Search the configuration	Conerence 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	• Signer
Change Console preferences		• 1COM	Charts and Graphs
Monitor servers	Your Deployed Resources	Mail Sessions	Monitoring Dashboard
	Declouments	FileT3	<ul> <li>Homoring basiloosi d —</li> </ul>
ystem Status		• JTA	
lealth of Running Servers	Your Application's Security Settings		
Failed (0)	Security Realms		
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			
WebLogic Server Version: 10.3.4.0			
Copyright © 1996,2010, Oracle and/or its affiliates			
Oracle is a registered trademark of Oracle Corpor	ation and/or its affiliates. Other names may be trademarks of their res	pective owners.	
18			📢 Local intranet 🔍 100% 💌
			Social Intranes. Q100%



4. Following screen is displayed:

🔆 🏟 🍘 Summary of JMS Servers - fcubs113	_domain - WLS C			<u>ن</u> ا	🔊 🔹 🖶 🔹 🔂 Bage 🔹 🎯 Tools 🔹
	Administration Console				Ŏ
Change Center	🏠 Home Log Out Preferences 🔤 R	Record Help		Welcome, webla	gic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources	>FLEXTEST.WORLD >Summary of JMS Se	rvers		
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of JMS Servers				
Lock & Edit	JMS servers act as management cont	tainers for the queues and topics in JMS mo	odules that are targeted to them.		
Release Configuration	This page summarizes the JMS server	rs that have been created in the current W	ebLogic Server domain.		
Domain Structure fcubs113_domain	Customize this table				
-Environment	JMS Servers (Filtered - More Col	lumns Exist)			
Deployments Services	Click the Lock & Edit button in the Ch	hange Center to activate all the buttons or	n this page.		
-Messaging	New Delete			:	Showing 0 to 0 of 0 Previous   Next
Store-and-Forward Agents	🔲 Name 🐟	Persistent Store	Target	Current Server	Health
Path Services ⊞-Bridges			There are no items to display		
Data Sources	New Delete				Showing 0 to 0 of 0 Previous   Next
Persistent Stores					
Work Contexts					
How do I					
Configure JMS servers					
Configure JMS system modules					
Curtur Cartur II					
System Status -					
Health of Running Servers					
Failed (0)					
Critical (0)					
Overloaded (0)					
Warning (0) OK (2)					
Un (2)					
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All n Oracle is a registered trademark of Oracle Corporation		emarks of their respective owners.			

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

🚖 🏘 🌈 Summary of JMS Servers - fcubs110	3_domain - WLS C			🙆 • 🖻 - d	🖶 🔹 🔂 Eage 🔹 🎯 Tgols 🤹			
	Administration Console				Q			
Change Center	🏦 Home Log Out Preferences 🔤	Record Help	Q	Welcome, weblogic Conr	nected to: fcubs113_domain			
View changes and restarts	Home >Summary of JDBC Data Source	s >FLEXTEST.WORLD >Summary of JMS	Servers					
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Summary of JMS Servers							
Lock & Edit Release Configuration		ntainers for the queues and topics in JM ers that have been created in the currer	-					
Domain Structure	Customize this table							
fcubs113_domain	JMS Servers (Filtered - More Co	olumns Exist)						
Deployments     Services	New			Showing 0	to 0 of 0 Previous   Next			
- Messaging	🔲 Name 🗇	Persistent Store	Target	Current Server	Health			
Store-and-Forward Agents			There are no items to display	· · ·				
Path Services     Bridges     Data Sources     Persistent Stores     Foreign JINDI Providers     Work Contexts     W	New Delete			Showing O	to 0 of 0 Previous   Next			
How do I								
Configure JMS servers     Configure JMS system modules								
System Status								
Health of Running Servers								
Falled (0)								
Oritical (0)								
Overloaded (0)								
Warning (0) OK (2)								
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporatio		demarks of their respective owners.						



### 6. Click 'New'.

🚖 🎄 🌈 Create a New JMS Server - fcubs113	3_domain - WLS C		💁 🔹 🗟 🕤 🖶 Page 🔹 🎯 Tools 🔹 🎽
	Administration Console		Q 🔺
Change Center	🏠 Home Log Out Preferences 🔤 Record H	Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTE	EST.WORLD >Summary of JMS Servers	
No pending changes exist. Click the Release Configuration buttion to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JMS Server           Bick         Ensh         Cancel           JHS Server Properties         The following properties will be used to identify         * Indicates required fields	ý your new JMS Server.	
Domain Structure			
foubs113_domain	What would you like to name your new JMS Serr	rver? FCUBS_JMSServer	
IMS Servers IMS Modules IMS Modules Path Services EP-Bridges	Spedify persistent store for the new JMS Server Persistent Store:	(none) Create a New Store	
	Back Next Finish Cancel		
How do L			
Configure JMS system modules     Configure custom persistent stores			
System Status			
Health of Running Servers			
Failed (0)           Critical (0)           Overloaded (0)			
Warning (0) OK (2)			
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All I Oracle is a registered trademark of Oracle Corporation	rights reserved. a and/or its affiliates. Other names may be trademarks of	f their respective owners.	

7. Specify the following details:

JMS Server Name	FCIS_JMSServer
-----------------	----------------

8. Click 'Create a new Store' button. The following screen is displayed.

🛠 🌾 Create a New JMS Server - fcubs11	3_domain - WLS C	😭 🔹 🗟 👘 👘 🖓 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	
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	
Lock & Edit	Select a store type.	
Release Configuration	Please select the type of store you wish to create from the list.	
Domain Structure	Type: File Store	
fcubs113_domain	Back Next Finish Cancel	
H-Wessapro     H-Wis Servers    Store-and-Forniard Agents    Path Services     H-Path Services     H-Bradges    Data Sources    Persistent Stores    Foreign JAD Provides     H-Work Contexts		
HOW 00 1		
Configure JMS system modules     Configure custom persistent stores		
System Status		
Health of Running Servers		
Failed (0) Critical (0)		
Overloaded (0)		
Warning (0)		
OK (2)		
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. and/or its affiates. Other names may be trademarks of their respective owners.	



9. Select 'File Store' as the type and click 'Next'.

Following screen is displayed:

ORACLE WebLogic Serve				Q
Change Center	Home Log Out	Preferences 🛃 Record Help	Q	Welcome, weblogic Connected to: fcubs113_domain
/iew changes and restarts	Home >Summary o	f JDBC Data Sources > FLEXTEST.WORLD > 8	iummary of JMS Servers	
Vo pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	OK Cancel			
	* Indicates required		estore.	
Domain Structure				
-Environment -Deployments -Services -Services		e to name your new file store? FCUBS_FileStore		
Horssaging	Select a server inst	ance for this file store.		
──Path Services BI-Bridges ──Data Sources ──Persistent Stores	The pathname to t		ile store is kept. This directory must exist on	your system, so be sure to create it before completing this tab.
Foreign JNDI Providers Work Contexts	Directory:	FCUBS_FileStore		
łow do I	OK Cancel			
Configure JMS system modules				
Configure custom persistent stores				
vstem Status	 =]			
ealth of Running Servers				
Faled (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 FCIS\_FileStore.
- Select a server. For this file store, you may select ManagedServer1 (created by the user).
- Specify the Directory as FCIS\_FileStore.
- Click 'OK'.



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

🚖 🏘 🌈 Create a New JMS Server - fcubs11	3_domain - WLS C	🟠 🔹 🗟 👘 🖶 Page 🕶 🎯 T <u>o</u> ols 🔹
	Administration Console	Q
Change Center View changes and restarts Pending changes exist. They must be activated to take effect.	Home Log Out Preferences Record Heb     Q     Home Summary of DBC Data Sources >RECTEST.WORLD -Summary of JMS Servers     Hessages     # File store created auccessfully.	Welcome, weblogic Connected to: fcubs113_domain
Activate Changes Undo All Changes	Create a New JMS Server	
Domain Structure  fcubs113_domain  fcubs113_domain  for Environment  for Deployments  for Services	JHS Server Properties The following properties will be used to identify your new JMS Server. * Indicates required fields	
Hessaging     '_MS Servers     ''_MS Servers     ''_MS Notward Agents     'MS Modules     ''_Path Services     Bindges     ''Data Sources	What would you like to name your new 3MS Server?	
	Persistent Store: Create a New Store  Escil Itest Final, Cancel	
Configure custom persistent stores System Status Health of Running Servers		
Failed (0) Critical (0) Overloaded (0) Warning (0)		
DK (2) WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. n and/or its affiliates. Other names may be trademarks of their respective owners.	

### 11. Click 'Next'.

😭 🏘 🌈 Create a New JMS Server - fcubs11	13_domain - WLS C	🏠 🔹 🔂 🕤 🖶 😨 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 >FLEXTEST.WORLD >Summary of JMS Servers	
Pending changes exist. They must be activated to take effect.	Create a New JMS Server	
Activate Changes	Back Next Finish Cancel	
Undo All Changes	Select targets	
Domain Structure	Select the server instance or migratable target on which you would like to deploy this JMS Server.	
fcubs113_domain	Target: ManagedServer1 v	
Environment     Deployments	Back Next Finish Cancel	
⊟-Services	Lack next Finan Cancer	
-MessagingJMS ServersJMS Servers		
Store-and-Forward Agents		
··· JMS Modules		
Path Services		
⊞-Bridges		
Data Sources		
Persistent Stores		
Foreign JNDI Providers		
Work Contexts		
How do I		
<ul> <li>Configure JMS system modules</li> </ul>		
Configure custom persistent stores		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
OK (2)		
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12. Select the target managed server. Click 'Finish'.

Admi	inistra	ation Console				Q
] 🙆	Home	e Log Out Preferences 🔤 Record Hel	p Q		Welcome, weblogic Connected	d to: fcubs113_domai
	Home >	Summary of JDBC Data Sources > FLEXTEST	NWORLD >Summary of JMS Servers			
Me	essage	25				
	🖋 JMS	Server created successfully				
Su	ummar	ry of JMS Servers				
10						
	JMS se	ervers act as management containers for t	the queues and topics in JMS modules that are	e targeted to them.		
1	This are		- have an end of the summer whether and the	- descrip		
1	inis pa	age summarizes die JMS servers dial have	e been created in the current weblogic serve	e domain.		
"	Custo	omize this table				
	JMS Se	ervers (Filtered - More Columns Exis	st)			
	New				Showing 1 to 1	of 1 Previous   Next
					-	
1		Name 🐵	Persistent Store	Target	Current Server	Health
		FCLIRS IMSServer	FCI IBS EleStore	ManagedServer1	ManagedServer1	
112			reads_nestare	nunugeoberrer 1		
a	New	Delete			Showing 1 to 1	of 1 Previous   Next
1 -						
1						
1						
1						
	Su	Home > Home	Herse Summary of JOBC Data Sources >RENTES Hessages	Hone Log Out Preferences @ Record Hebp      Hone Log Out Preferences @ Record Hebp      Hessage      * 3%5 Servers orzaked successfully      Summary of JHS Servers      JMS servers act as management containers for the queues and topics in JMS modules that an      This page summarizes the JMS servers that have been created in the current WebLogic Server      Customize this table      JHS Servers (filtered - Hore Columns Exist)      Mem.      Desce      Rodes _ House _ PcuBS_FileStore      New.      Desce      Mem.      Desce      PcuBS_FileStore      New.      Desce      New.      Desce      D		

- 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 - W	/LS Console		💁 🔹 🔜 👘 Enge 🔹 🎯 Tgols 🔹
	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.W0	ORLD >Summary of JMS Servers >Summary of JD	BC Data Sources > FLEXTEST.WORLD > 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 Domain Structure		ers, and JMS store-and-forward (SAF) paramete	h resources include queues, topics, connection factories, templates, destination lays, quota, ers. You can administratively configure and manage JMS system modules as global system
Fcubs113_domain	Customize this table JH5 Modules Click the Lock & Editbutton in the Change Center 1	to activate all the buttons on this page.	
····JMS Servers ···Store-and-Forward Agents ····JMS Modules			Showing 0 to 0 of 0 Previous   Next
Path Services	🗌 Name 🗇		Туре
Data Sources     Persistent Stores		There are no it	ems to display
Foreign JNDI Providers	New Delete		Showing 0 to 0 of 0 Previous   Next
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)			
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All I Oracle is a registered trademark of Oracle Corporation	rights reserved. 1 and/or its affiliates. Other names may be trademarks of their r	respective owners.	

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

	Administration Console		ç
nge Center	🟦 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: fcubs113_doma
w changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WOP	RLD >Summary of JMS Servers >Summary of JDBC D	ata Sources >FLEXTEST.WORLD >Summary of JMS Servers > <b>JMS Modules</b>
pending changes exist. Click the Release ifiguration button to allow others to edit the rain.	JMS Modules		
Lock & Edit Release Configuration	JMS system resources are configured and stored as m distributed queues, distributed topics, foreign servers resources. This page summarizes the JMS system modules that h	;, and JMS store-and-forward (SAF) parameters. Υ	ources include queues, topics, connection factories, templates, destination keys, quota, ou can administratively configure and manage JMS system modules as global system
nain Structure	mis page summarizes the units system modules that in	ave been created for this domain.	
s113_domain	Customize this table		
Deployments Services 다.Messaging	New Delete		Showing 0 to 0 of 0 Previous   Next
JMS Servers Store-and-Forward Agents	🔲 Name 🗇		Туре
····JMS Modules ····Path Services		There are no items t	o display
Bridges     Data Sources     Persistent Stores	New Delete		Showing 0 to 0 of 0 Previous   Next
v do I			
Configure JMS system modules			
Configure resources for JMS system modules			
item Status			
ilth 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 - fcubs11	13_domain - WLS			🟠 🔹 🗟 🔹 🖶 😨 Page 🔹 🏠 Tools 🔹
	Administration Console			Q
Change Center	🔒 Home Log Out Preferences 🔤 F	Record Help		Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources	>FLEXTEST.WORLD >Summary of JMS Servers >Su	mary of JDBC Data Sources > FLEXTES	T.WORLD >Summary of JMS Servers >JMS Modules
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create JMS System Module Back Next Finish Cancel			
Release Configuration	The following properties will be	used to identify your new module.		
Domain Structure fcubs113_domain Denvironment Deployments Deservices				r, topics, connection factories, templates, destination keys, quota, y configure and manage JMS system modules as global system
E Messaging	What would you like to name your Syst	tem Module?		
····JMS Servers ···Store-and-Forward Agents ····JMS Modules	* Name:	FCUBS_SystemModule		
Path Services ⊕-Bridges	What would you like to name the descr	riptor file name? If you do not provide a name, a d	fault will be assigned.	
Data Sources Persistent Stores Foreign JNDI Providers	Descriptor File Name:	FCUBS_SystemModule		
Work Contexts	Where would like to place the descripto	or for this System Module, relative to the jms confi	uration sub-directory of your domain	?
How do L	Location In Domain:			
Configure JMS servers	Back Next Finish Cancel			
System Status				
Health of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Warning (0) OK (2)				
UN (2)				
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Enter the System Module Name as FCIS\_SystemModule.

Enter the Description File Name as FCIS\_SystemModule.

4. Click 'Next'.

The following screen is displayed.

🚖 🔅 🌈 Create JMS System Module - fcubs1	13_domain - WLS		🟠 🔹 🗟 🕤 🖶 2age 🔹 🎧 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	ORLD >Summary of JMS Servers >S	Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create JHS System Module           Back         Item Frinch         Cancel           The following properties will be used to target		
Domain Structure	Use this page to select the server or cluster on which	n you would like to deploy this JM	S system module. You can reconfigure targets later if you wish.
fcubs113_domein	Targets :		
⊖-Services →-Messaging 3MS Servers Store-and-Forward Agents 3MS Modules	Servers AdminServer		
	ManagedServer1     Back Next Finish Cancel		
How do I			
Configure JMS system modules     Configure JMS servers			
System Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
Warning (0) OK (2)			
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All i Oracle is a registered trademark of Oracle Corporation	ights reserved. and/or its affiliates. Other names may be trademarks of their r	espective owners.	



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

😭 🎄 🌈 Create JMS System Module - fcubs1	13_domain - WL5		🏠 🔹 🔝 👘 🖶 Page 🔹 🎲 Tgols 🔹 🎽
	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	RLD >Summary of JMS Servers >Summary of JD	BC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules
No pending changes exist. Click the Release Configuration button to allow others to edit the	Create JMS System Module		
domain.	Back Next Finish Cancel		
Release Configuration	Add resources to this JM5 system module		
Domain Structure	Use this page to indicate whether you want to immed	liately add resources to this JMS system modul	e after it is created. JMS resources include queues, topics, connection factories, etc.
fcubs113_domain	Would you like to add resources to this JM	15 system module?	
Horner → Messaging Horner → Messaging	Back Next Finish Cancel		
···Store-and-Forward Agents ···JMS Modules ···Path Services			
⊕-Bridges Data Sources Persistent Stores			
Foreign JNDI Providers			
How do I			
Configure JMS system modules			
Configure JMS servers			
System Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. n and/or its affiliates. Other names may be trademarks of their re	ispective owners.	

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

🚖 🎄 🌈 JMS Modules - fcubs113_domain - WLS Cons	nsole		🙆 • 🖻	-	• 🔂 Bage -	• 🕥 Tools	. '
ORACLE WebLogic Server® Admini	nistration Console					Q	P
Change Center 🏠	Home Log Out Preferences 🔤 Record Help	We	lcome, weblogi	c Connect	ted to: fcubs1	113_domai	
view changes and restarts	Iome >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources >FLEXTEST.W	WORLD >Summary	of JMS Servers >	IMS Modul	es		
Pending changes exist. They must be activated	ssages ✔ The JMS module was created successfully.						
	S Modules						
Domain Structure di fcubs 113_domain	XMS system resources are configured and stored as modules smillar to standard JIZEE modules. Such resources induce quickes, the distributed quickes, distributed topics, foreign servers, and IXMS store-and-forward (SAP) parameters. You can administratively o trajures. This page summarizes the IXMS system modules that have been created for this domain.	topics, connection configure and mar	factories, templa nage JMS system	ites, destir modules as	iation keys, qu ; global system	iota, 1	
Services     Hessaging     Model     Messaging     Model     Messaging     Servers     Store-and-Forward Agents	Customize this table HS Hodules						
"JMS Modules	New Delete		Sho	wing 1 to 3	1 of 1 Previou	is   Next	l
⊕-Bridges Data Sources	🔲 Hame 🔅		Туре				
Poregn undt Providers	FCUBS_SystemModule		System				
How do I	New. Delete		Sho	wing 1 to 1	1 of 1 Previou	is   Next	
Configure JMS system modules							Í.
Configure resources for JMS system modules							
System Status							
Health of Running Servers							
Failed (0)							
Critical (0)							
Overloaded (0)							
Warning (0)							
OK (2)							
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7. Click 'Activate Changes' button on the left pane.

🙀 🕸 🌈 JMS Modules - fcubs113_domain - V	WLS Console					🔂 • 🖻	- 🖶 • 🔂 Bage •		
	Administration Cons	sole						Q	
Change Center	Home Log Out	Preferences 🔤 Record Help		۹	We	elcome, weblogic	Connected to: fcubs11	3_domain	
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JDBC								
Click the Lock & Edit button to modify, add or delete items in this domain.	Messages	ve been activated. No restarts are	necessary						
Lock & Edit	-	e been beavarea. No restarta are	incoussery.						
Release Configuration	JMS Modules								
Release configuration	ME sustem room	read and charles and and stored as	modulos cimilar to standa	and 12EE modulos. Such cor	sources include queues, topics, connectio	o factorios, tomolat	an destination kown quet	.	
Domain Structure	distributed queues	s, distributed topics, foreign serve	rs, and JMS store-and-fo	rward (SAF) parameters. 1	You can administratively configure and ma	anage JMS system n	rodules as global system	u,	
fcubs113_domain									
Environment     Deployments	inis page summari	izes the JMS system modules that	nave been created for tr	ns domain.					
Services     Hessaging	Customize this	table							
	JMS Modules	tubic .							
···Store-and-Forward Agents ···JMS Modules		Edit button in the Change Center t							
Path Services	CICK THE LOCK & E	and bottom in the change center t	to activate all the buttons	s on ens page.					
B-Bridges     Data Sources	New Delete					Shov	ving 1 to 1 of 1 Previous	Next	
Persistent Stores	Name 🗇					Туре			
Foreign JNDI Providers									
How do I	FCUBS_Sys	ystemModule				System			
	New Delete					Shov	ving 1 to 1 of 1 Previous	Next	
Configure JMS system modules     Configure resources for JMS system modules									
System Status	1								
Health of Running Servers									
Failed (0)									
Critical (0)									
Overloaded (0)									
Warning (0)									
OK (2)									
WebLogic Server Version: 10.3.4.0									
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The message 'All the changes have been activated. No restarts are necessary' is displayed.

### 7.2.4 Sub Deployment 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:

				weblogic Connected to: fcubs113 don
hange Center	🏦 Home Log Out Preferences 🔤 Record Help	<u> </u>		
iew changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Sum	nmary of JMS Servers >Summary of JDBC Data So	urces >FLEXTEST.WORLD >Summary of JMS	Servers >JNS Modules
o pending changes exist. Click the Release onfiguration button to allow others to edit the omain.	JH5 Modules			
Lock & Edit Release Configuration	JMS system resources are configured and stored as modules si distributed queues, distributed topics, foreign servers, and JM resources.	imilar to standard J2EE modules. Such resource IS store-and-forward (SAF) parameters. You ca	s include queues, topics, connection factori n administratively configure and manage JN	es, templates, destination keys, quota, IS system modules as global system
Release Configuration	This page summarizes the JMS system modules that have been	n created for this domain.		
Iomain Structure				
cubs113_domain	Customize this table			
Environment Deployments	JMS Modules			
Deployments Services				
⊡-Messaging	New Delete			Showing 1 to 1 of 1 Previous   Next
····JMS Servers ····Store-and-Forward Agents	□ Name ↔		Туре	
			туре	
Path Services	FCUBS_SystemModule		System	
Bridges     Data Sources			I	
Persistent Stores	New Delete			Showing 1 to 1 of 1 Previous   Next
Foreign JNDI Providers				
Work Contexts				
łow do I 😑				
Configure JMS system modules				
Configure resources for JMS system modules				
vstem Status				
ealth of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Warning (0)				
OK (2)				

- 2. Click 'Lock & Edit' button.
- 3. Select the JMS module created earlier.

	dministration Console			Q
ange Center	🙆 Home Log Out Preferences 🔤 R	Record Help	Welcor	me, weblogic Connected to: fcubs113_doma
ew changes and restarts	Home >Summary of JDBC Data Sources Modules >FCUBS_SystemModule	>FLEXTEST.WORLD >Summary of JMS Servers >Sum	many of JDBC Data Sources > FLEXTEST.WORLD > Summary of J	IMS Servers >JMS
	Settings for FCUBS_SystemModule	2		
Lock & Edit	Configuration Subdeployments	Targets Security Notes		
Release Configuration	This page displays general information	n about a JMS system module and its resources. It a	lso allows you to configure new resources and access existin	ng resources.
main Structure	Name:	FCUBS_SystemModule	The name of this JMS system r	module. More Info
s113_domain	Descriptor File Name:	jms/FCUBS_SystemModule-jms.xml	The name of the JMS module of	descriptor file. More Info
Services H-Messaging JMS Servers Store-and-Forward Agents	This page summarizes the JMS resour destination quota, distributed destina	rces that have been created for this JMS system mo ations, foreign servers, and store-and-forward para	dule, including queue and topic destinations, connection fact neters.	ories, JMS templates, destination sort keys,
IMS Modules Path Services ⊕-Bridges	Customize this table			
Path Services     ⊕-Bridges     Tota Sources     Persistent Stores	Customize this table Summary of Resources New, Delete			Showing 0 to 0 of 0 Previous   Next
	Summary of Resources	Type 1001 Name	Subdeployment	
Path Services Data SourcesPersistent StoresForeign INDI Providers	Summary of Resources	Type JNDI Name	Subdeployment	Showing 0 to 0 of 0 Previous   Next Targets
Impact Services     Impact Services     The Services     The Services     The Services     The Service Service Service Service     Impact Services     The Service Service Service Service     The Service Service Service Service Service     Service Service Service Service Service     Service Service Service Service     Service Service Service Service     Service Service Service Service     Service Service Service     Service Service Service     Service Service Service     Service Service Service     Service Service Service     Service Service Service     Service Service Service     Service Service Service     Service Service Service     Service Service Service     Service Service Service     Service Service Service     Service Service Service     Service Service Service Service     Service Service Service Service     Service Servic	Summary of Resources			
	Summary of Resources			Targets
IBall Services     Total Services     Total Sources     Total Sources     Persetatent Stores     Foreign JND Provides     Total Sources     foreign Sources     foreignes     do Lu     Gareadodesignments in JMS system     dakes     infigure resources for JMS system     modules	Summary of Resources			Targets
Hond Services     Hond Se	Summary of Resources			Targets
I - end Services Dendoges - Data Sources - Poregon 3/00 Provides - Koregon 3/00 Provides - Koregon 3/00 Provides - Mource 3/05 system modules infigure zilos system modules infigure resources for 3/05 system modules em Status	Summary of Resources			Targets
I - end Services     Protoge     Protoges     Protoges     Protoges     Protoge     P	Summary of Resources			Targets
	Summary of Resources			Targets
Impact Services     The Services     Total Services     Total Services     Total Services     Torogn JIOL Rowdes     Torogn JIOL Rowdes     Torogn JIOL Rowdes     Toda System modules     Total System modules	Summary of Resources			Targets



4. Click 'Subdeployments' tab.

🙀 🏟 🌈 Settings for FCUBS_SystemModule - f	fcubs113_domai							6	• 🔊	• 🖶 • 🔂 Bage • 🎯 Tg	<u>2</u> ols • (
	dministration C	onsole									<u>o</u>
Change Center	Home Log C	Dut Preferences 🔤 F	Record Help			Q		Welcome, w	eblogic	Connected to: fcubs113_do	main
View changes and restarts	Home >Summar Modules >FCUB	y of JDBC Data Sources IS_SystemModule	>FLEXTEST.V	VORLD >Sum	mary of JMS	Servers >Summary of JDBC	Data Sources > FLEXTEST.W	ORLD >Summary of JMS Se	vers >JM	S	
No pending changes exist. Click the Release Configuration button to allow others to edit the	Settings for FC	UBS_SystemModule									
domain.	Configuration	Subdeployments	Targets	Security	iotes						
Release Configuration		lays subdeployments o argeted to a server res					m by which JMS module reso	urces (such as queues, to	pics, and	connection factories) are	
Domain Structure											
fcubs113_domain	Customize t	his table									
Deployments B-Services	Subdeploym	ents									- 11
⊕-Messaging	New Dele								Show	ing 0 to 0 of 0 Previous   Nex	t
····JMS Servers ····Store-and-Forward Agents ····JMS Modules	🔲 Name	*			Resou	rces		Targets			
Path Services	There are no items to display										
Bridges     Data Sources     Persistent Stores	New Detete Showing 0 to 0 of 0 Previous   Next							t			
Foreign JNDI Providers     Work Contexts											
How do I											
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)											
UK (2)											
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All ri Oracle is a registered trademark of Oracle Corporation :		ther names may be trade	emarks of thei	r respective o	vners.						

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

we changes and restarts pending changes exit. Old the Release finguration. Unit to also others to exit the main. Lock & Eat Release Configuration Th	tone Log Out Preferences Record Heb rs Summery of DBC Data Sources PLB/TEST.Will is PCUBS_SyntemHeddle Record Heb Stubdeployment Record Properties following roperties will be used to dentify your cates required fields bideployment Name:		C Data Sources >FLD/TEST/WORLD >S	Welcome, weblogic Connected to: fcubs113_d
we dhanges and restarts     pending charge sext. Ock the Release finding ason button to allow others to edit the man.     Lock & Edit     Reases Configuration     Lock & Edit     Reases Configuration     The Servers	vs Sommery of DBC Das Sources PEDREST/W New PEDBS SystemHoddle Text Rev Subdeployment Alexa Printing Cancel bdeployment Properties Following properties We used to identify your kates required fields ubdeployment Name:	ORLD >Summary of IMS Servers >Summary of IC	C Data Sources >FLEXTEST.WORLD >S	
Configure address of the configure and the configure address of th		r new subdeployment.	C Data Sources >FLEXTEST.WORLD >S	ummary of MIS Servers >MIS
Information button to allow others to edit the Reasase Configuration  Reasase Configuratio	Ident Frint Cancel      deployment Properties      foloning properties will be used to identify your kates required fields      ibdeployment Name:			
Look a col Release Configuration main Structure Samo Structure Samo Structure Samo Structure Samo Structure Samo Structure Persophymotis Samo Structure Persophymotis Samo Structure Samo S	bdeployment Properties following programs will be used to identify your icates required fields ubdeployment Name:			
main Structure Stall Johnan Environnet Deployments Services Pressay Tool Passay Servers Passay Servers Past Services Brindpes Data Sources Present Stores Present Stores Present Stores Present Stores We do L Configure aubdeployments in JVS system	e following properties will be used to identify your icates required fields ubdeployment Name:			
main Structure main Structure structure bit Jagkmain Genvennent Depolyments Services Perset Servers Perset Servers Bit Brokes Bit Br	icates required fields ubdeployment Name:			
bs 113_domain Environment Debolyments Derivices Presspiro Presspir	ibdeployment Name:	FCUBS		
Environent Deckyments Services Messaging M		FCUBS		
	K Next Finish Cancel			
P-Path Services     P-Path Services     P-Data Sources     P-Data Sources     P-Persident Stores     P-regnaph NDC Providers     w do L     Configure subdeployments in 2MS system				
Porta Sources     Perstant Stores     Thereign 2010 Providers     Work Contexts     Work Contexts     Configure subdeployments in JMS system				
Werkstehrt Stores     Work Contexts     Work Contexts     Work Contexts     Configure subdeployments in JMS system				
Work Contexts w do L Configure subdeployments in JMS system				
w do I 🖻 Configure subdeployments in JMS system				
Configure subdeployments in JMS system				
stem Status 🖂				
alth of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Warning (0)				
OK (2)				
ebLogic Server Version: 10.3.4.0				



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

🚖 🕸 🌈 Create a New Subdeployment - foub	55113_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 JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of Modules >FCUBS_SystemModule	f JDBC 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	Targets	
Domain Structure	Please select targets for the Subdeployment	
fcubs113_domain	Servers	
B-Environment Deployments B-Services	AnagedServer1	
Messaging	JM5 Servers	
JMS Modules Path Services	FCUBS_JMSServer	
Bridges     Tota Sources     Tersistent Stores     Foreign JNDD Providers	Back Text Finish Cancel	
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)		
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	i rights reserved. n and/or its affiliates. Other names may be trademarks of their respective owners.	

The following screen will be displayed.

- 7. Select the JMS Server (as created by the user).
- 8. Click 'Finish' button.
- 9. Following screen is displayed.

Settings for FCUB5_SystemModule -	fcubs113_domai						🟠 🔹 🗟 🔹 🔂 Zago 🕶 🎯 Tgols 🔹			
ORACLE WebLogic Server® A	Administration (	Console					Q			
Change Center	🙆 Home Log	Out Preferences 🔤	Record Help		۹		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								
Pending changes exist. They must be activated to take effect.	Messages									
Activate Changes	🖋 Subdeploy	ment created successfu	lly.							
Undo All Changes	Settings for F	Settings for FCUBS_SystemModule								
undo All changes	Configuration	Subdeployments	Targets	Security	Notes					
Iomain Structure										
ubs113_domain	This page dis	plays subdeployments c targeted to a server re	reated for a J	IMS system n	nodule. A subdepl	oyment is a mechanism by which :	IMS module resources (such as queues, topics, and connection factories) are			
Deployments	grouped and	targeted to a server re	Rource (such a	as JMS serve	ers, server instant	es, or duster).				
-Services -Services	Customize	this table								
····JMS Servers	Subdanloun	ante								
Store-and-Forward Agents JMS Modules		Subdeployments           New         Deele         Showing 1 to 1 of 1. Previous   Next								
Path Services	New Del	ete					Showing 1 to 1 of 1 Previous   Next			
···Data Sources	🔲 Nam	□ Hame ↔ Resources Targets								
Persistent Stores Foreign JNDI Providers	FCUB	5					FCUBS JMSServer			
-Work Contexts	New Del	1								
ow do L 🔳	New Do						Showing 1 to 1 of 1 Previous   Next			
Configure subdeployments in JMS system										
modules Configure JMS system modules										
stem Status										
alth of Running Servers										
Failed (0)										
Critical (0)										
Overloaded (0)										
Warning (0) OK (2)										
UN (2)										
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All I	rights reserved									
racle is a registered trademark of Oracle Corporation	and/or its affiliates.									



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

									D	»	
😤 🏘 🏉 Settings for FCUB5_SystemModule - fo	cubs113_domai						G •	5 · •	• 🔂 Bage • 🎯 Tools ·	•	
	dministration C	onsole							Q	^	
Change Center	🟦 Home Log 0	Out Preferences 🔤 F	tecord Help		Q		Welcome, web	logic Connect	ed to: fcubs113_domain	i -	
View changes and restarts	Home >Summar Modules >FCUB	y of JDBC Data Sources SystemModule	>FLEXTEST.WC	RLD >Summ	ary of JMS Servers >Summary of JDBC Data	a Sources :	>FLEXTEST.WORLD >Summary of JMS Serve	rs >JMS			
Click the Lock & Edit button to modify, add or delete items in this domain.	Messages	have been activated. I	in restarts are	necessary							
Lock & Edit				necessory.							
Release Configuration		UBS_SystemModule									
Domain Structure	Configuration	Subdeployments	Targets Se	scurity No	otes						
foubs 113_domain	This page disp grouped and t Customize t Subdeploym	argeted to a server res	eated for a JMt ource (such as	S system mo JMS servers	dule. A subdeployment is a mechanism by , server instances, or duster).	y which JM	IS module resources (such as queues, topic	s, and connection	on factories) are		
····Store-and-Forward Agents ····JMS Modules		Subdeployments Click the Lock & Editbutton in the Change Center to activate all the buttons on this page.									
Path Services											
⊕-Bridges ***Data Sources	New Dele	te						Showing 1 to 1	Lof 1 Previous   Next		
Persistent Stores Foreign JNDI Providers	🔲 Name	*		Resour	ces		Targets				
	FCUBS						FCUBS_JMSServer				
Configure subdeployments in JMS system	New Dele	te						Showing 1 to 1	Lof 1 Previous   Next		
modules     Configure JMS system modules											
System Status											
Health of Running Servers											
Failed (0)											
Critical (0) Overloaded (0)											
Warning (0)											
OK (2)											
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## 7.2.5 JMS Queue Creation

1. Select the JMS Module created earlier.

😭 🎄 🏀 Settings for FCUB5_SystemModule -	fcubs113_domai				🟠 🔹 🔝 👘 🖶 🖬 Rage 🔹 🎯 Tgols				
	Administration Console				Q				
Change Center	🏦 Home Log Out Preferences 🔤 R	tecord Help	۹		Welcome, weblogic Connected to: fcubs113_doma				
View changes and restarts	Home >Summary of JDBC Data Sources Modules >FCUBS_SystemModule	>FLEXTEST.WORLD >Su	mmary of JMS Servers >Summ	iry of JDBC Data Sources > FLEXTEST.WORLD > S	ummary of JMS Servers >JMS				
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for FCUBS_SystemModule								
Lock & Edit	Configuration Subdeployments	Targets Security I	Notes						
Release Configuration									
Domain Structure	This page displays general information	n about a JMS system m	odule and its resources. It als	o allows you to configure new resources and a	ccess existing resources.				
fcubs113_domain	Name:	FCUBS_Syst	emModule	The name of this J	The name of this JMS system module. More Info				
Deployments ID-Services	Descriptor File Name:	jms/FCUBS_	SystemModule-jms.xml	The name of the J	4S module descriptor file. More Info				
-Messaging	This page summarizes the JNS resources that have been created for this JNS system module, including queue and topic destinations, connection factories, JNS templates, destination sort keys, destination quita, distributed destinations, foreign servers, and store-and-forward parameters.								
Path Services ⊞-Bridges	Customize this table								
Data Sources Persistent Stores	Summary of Resources								
Foreign JNDI Providers	Click the Lock & Edit button in the Cl	nange Center to activate	e all the buttons on this page						
How do I	New Delete				Showing 0 to 0 of 0 Previous   Next				
Configure JMS system modules	🔲 Name 🗞	Туре	JNDI Name	Subdeployment	Targets				
<ul> <li>Configure subdeployments in JMS system modules</li> </ul>			There a	ire no items to display					
Configure resources for JMS system modules	New Delete				Showing 0 to 0 of 0 Previous   Next				
System Status									
Health of Running Servers									
Failed (0)									
Critical (0)									
Overloaded (0)									
Warning (0)									
OK (2)									
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- 2. You need to set the configuration for FCIS\_SystemModule is to be set.
- 3. Click 'Configuration'. Then click 'Lock & Edit'.



### The following screen is displayed.

😤 🏘 🖉 Settings for FCUB5_SystemModule -	fcubs113_domai			â • 🖻	<ul> <li>         — • • • • Page • · · · • • • • • • • • • • • • • • •</li></ul>
	Administration Console				Q
Change Center	🔒 Home Log Out Preferences 🔤 Recor		٩		Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLE Modules >FCUBS_SystemModule	EXTEST.WORLD >Summary of	of JMS Servers >Summary of JDBC Data	a Sources >FLEXTEST.WORLD >Summary of JMS Servers >JI	MS
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Settings for FCUBS_SystemModule				
domain.	Configuration Subdeployments Targ	gets Security Notes	]		
Release Configuration	This page displays general information ab	out a JMS system module ar	and its resources. It also allows you to	configure new resources and access existing resources.	
Domain Structure fcubs113 domain	Name:	FCUBS_SystemMode	dule	The name of this JMS system module. More	e Info
B-Environment Deployments B-Services	Descriptor File Name:	jms/FCUBS_System1	nModule-jms.xml	The name of the JMS module descriptor file.	More Info
Messaging     "MS Servers     "Store-and-Forward Agents     "JMS Modules     "Path Services	This page summarizes the JMS resources t destination quota, distributed destinations Customize this table	that have been created for s, foreign servers, and stor	r this JMS system module, including qu re-and-forward parameters.	eue and topic destinations, connection factories, JMS tem	plates, destination sort keys,
Bridges → Data Sources	Summary of Resources				
Persistent Stores Foreign JNDI Providers	New Delete			Sho	wing 0 to 0 of 0 Previous   Next
Work Contexts	🔲 Name 🗞 🛛 T	Type JND	DI Name	Subdeployment	Targets
How do I			There are no items to	display	
Configure JMS system modules	New Delete			Sha	wing 0 to 0 of 0 Previous   Next
<ul> <li>Configure subdeployments in JMS system modules</li> </ul>					
Configure resources for JMS system modules					
System Status					
Health of Running Servers					
Faled (0)					
Critical (0)					
Overloaded (0)					
Warning (0)					
ОК (2)					
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All r Oracle is a registered trademark of Oracle Corporation		ks of their respective owners.			

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

🚖 🎄 🌈 Create a New JMS System Module R	esource - fcubs11		🖄 🔹 🔝 🕤 🖶 Eage 🔹 🎯 Tools 🔹 🎽						
	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.WORLD > Modules >FCUBS_SystemModule	Summary of JMS Servers >Summary of JDBC	C Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS						
No pending changes exit. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JHS System Module Resource           Back         Next         Frish         Cancel           Choose the type of resource you want to create.								
Domain Structure	Use these pages to create resources in a JMS system mode	ule, such as queues, topics, templates, and	d connection factories.						
fcubs113_domain B-Environment Deployments B-Services	Expending on the type of resource sources(), you are prometed to antity basic information for creating the resources. The tambalae exercutes, like stand-alone squees and too features, and the stand-alone source and tampent and the standard service tampent and tamp								
B-Messaging 	O Connection Factory		Defines a set of connection configuration parameters that are used to create connections for JMS clients. More Info						
	() Queue		Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More 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. More Info						
How do I	O Distributed Queue		Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS dients. 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	O Foreign Server		Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info						
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						
System Status	🔿 JMS Template		Defines a set of default configuration settings for multiple destinations. More Info						
Health of Running Servers           Failed (0)           Critical (0)           Overloaded (0)	SAF Imported Destinations		Defines a collection of imported store- and forward (SAP) destinations. A SAP destination is a representation of a quark or topic in a remote server instance local server instance of cuber can send messages to the remote server instance or cluster. More Info						
Done			Scal Intranet 🔍 100% 🔹						



5. Select the 'Queue' option. Then click 'Next'.

🚖 🎄 🌈 Create a New JMS System Module R	Resource - fcubs11	🟠 🔹 🗟 👘 🖶 Page • 🎯 Tgols • 🎽
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 >FI Modules > <b>FCUBS_SystemModule</b>	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 JMS System Module Resource	
Lock & Edit	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.	
fcubs113_domain	* Indicates required fields	
Deployments     Services     Messaging     Messaging     Model Servers	* Name: NOTIFY_DEST_QUEUE	
	JNDI Name: NOTIFY_DEST_QUEUE	
B-Bridges	Template: None V	
Foreign JNDI Providers	Back Next Finish Cancel	
How do I		
Configure quotas for destinations		
Configure JMS templates     Configure destination keys		
Configure topics		
Configure queues		
Configure connection factories		
Configure uniform distributed topics		
Configure uniform distributed queues		
Configure foreign servers		
Configure JMS SAF		
System Status		
Health of Running Servers		
Faled (0)		
Critical (0)		
Overloaded (0)		×
Done		Scal intranet 🔍 100% 👻

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.

🚖 🚸 🌈 Greate a New JMS System Module Re	esource - fcubs11	🟠 👻 🗟 👘 🕞 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 JD Modules >FCUBS_SystemModule	BC 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. Lock & Edit Release Configuration	Create a Rew JHS System Hodule Resource           Back	e e
Domain Structure fcubs113_domain  #-Environment  Depoloyments	Use this page to select a subdeployment to assign this system module resource. A subdeployment SAP agent. If necessary, you can create a new subdeployment by cloking the <b>Create a New Sub</b> module's subdeployment management page.	s a mechanism by which 3MS resources are grouped and targeted to a server instance, duster, or deployment button. You can also reconfigure subdeployment targets later by using the parent
B-Services D-Messaging 	Select the subdeployment you want to use. If you select (none), no targeting will occur.  Subdeployments:  FCUBS  Create a New Subdeployment.	
	What targets do you want to assign to this subdeployment? Targets :	
Work Contexts	JMS Servers           O         FCUBS_JMSServer	
Configure quotas for destinations Configure JMS templates Configure destination keys	Back Next Finish Cancel	
Configure topics Configure queues Configure connection factories		
Configure uniform distributed topics Configure uniform distributed queues Configure foreign servers		
Configure JMS SAF		
Health of Running Servers Failed (0)		
Critical (0) Overloaded (0)		
ie -		Scal intranet 🔍 100% 👻

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

🚖 🎄 🌈 Settings for FCUB5_SystemModule -	fcubs113_domai						<u>ه</u> -	🛯 🐘 🔹 🔂 Bage 🔹 🎯 Tgols 🔹
	Administration Co	nsole						Q
Change Center	Home Log Ou	it Preferences 🔤	Record Help		Q		Welcome, we	blogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary Modules >FCUBS		s >FLEXTEST.W	ORLD >Summary	of JMS Servers >Summary of	JDBC Data Sources >	FLEXTEST.WORLD >Summary of JMS Serv	ers >JMS
Pending changes exist. They must be activated to take effect.	Messages	ue was created suc	cessfully					
Activate Changes	-							
Undo All Changes		BS_SystemModu						
	Configuration	Subdeployments	Targets Se	curity Notes				
Domain Structure Cubs113_domain  Environment Deployments	This page displa	ys general informat	ion about a JMS	system module a	nd its resources. It also allow	ws you to configure i	new resources and access existing resou	rces.
⇒-Services ⊕-Messaging	Name:		FC	UBS_SystemMod	ule		The name of this JMS system module.	More Info
	Descriptor File	Name:	jm	s/FCUBS_System	Module-jms.xml		The name of the JMS module descripto	or file. More Info
Bi-Bridges     ''Data Sources     ''Persistent Stores     ''-Foreign JNDI Providers     '''Work Contexts     '''	Customize th							
How do I	New Delete							Showing 1 to 1 of 1 Previous   Next
Configure JMS system modules     Configure subdeployments in JMS system	🔲 Name 4	~		Туре	JNDI Name		Subdeployment	Targets
Configure resources for JMS system modules	NOTIFY.	DEST_QUEUE		Queue	NOTIFY_DEST_QUEUE		FCUBS	FCUBS_JMSServer
System Status	New Delete	1						Showing 1 to 1 of 1 Previous   Next
Health of Running Servers								
Failed (0)								
Critical (0)								
Overloaded (0)								
Warning (0)								
OK (2)								
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7. The JMS Queue has been created successfully. Click 'Activate Changes' under 'Change Center'.

🚖 🚸 🌈 Settings for FCUB5_SystemModule - 1	fcubs113_domai		🟠 🔹 🔝 👘 👘 Page + 🎯 T <u>o</u> ols
	Administration Console		<u> </u>
Change Center	🏠 Home Log Out Preferences 🔤 Re	cord Help	Welcome, weblogic Connected to: fcubs113_doma
View changes and restarts	Home >Summary of JDBC Data Sources >F Modules >FCUBS_SystemModule	FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC	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	Settings for FCUBS_SystemModule		
domain.	Configuration Subdeployments T	argets Security Notes	
Release Configuration	This page displays general information a	about a JMS system module and its resources. It also allows yo	ou to configure new resources and access existing resources.
Domain Structure	Name:	FCUBS_SystemModule	The name of this JMS system module. More Info
Lubs113_domain DEnvironment Deployments Services	Descriptor File Name:	jms/FCUBS_SystemModule-jms.xml	The name of the JMS module descriptor file. More Info
Hessaging JMS Servers Store-and-Forward Agents	This page summarizes the JMS resource destination quota, distributed destination	is that have been created for this JMS system module, includin ons, foreign servers, and store-and-forward parameters.	ng queue and topic destinations, connection factories, JMS templates, destination sort keys,
Path Services Path Services ⊕-Bridges	Customize this table		
Data Sources     Persistent Stores     Foreign JNDI Providers	New Delete		Showing 1 to 1 of 1 Previous   Next
Work Contexts	🔲 Name 🔅	Type JNDI Name	Subdeployment Targets
ow do L	NOTIFY_DEST_QUEUE	Queue NOTIFY DEST QUEUE	FCUBS FCUBS JMSServer
Configure JMS system modules Configure subdeployments in JMS system	New Delete		Showing 1 to 1 of 1 Previous   Next
modules Configure resources for JMS system modules	0000		showing to to the revious prexi-
ystem Status			
alth of Running Servers			
Failed (0) Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All ri Oracle is a registered trademark of Oracle Corporation		arks of their respective owners.	

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'.

🚖 🎄 🌈 Settings for FCUBS_SystemModule -	fcubs113_domai			🔂 •	🔝 🕤 🖶 🔹 🔂 Page 🔹 🎯 Tgols 🔹
	Administration Console				Q
Change Center	Home Log Out Preferences	Record Help	Q	Welcome, web	ogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sou Modules >FCUBS_SystemModule	rces > FLEXTEST.WORLD > Summary o	f JMS Servers >Summary of JDBC Data Sources >	FLEXTEST.WORLD >Summary of JMS Serve	rs >JMS
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Settings for FCUBS_SystemMo	dule			
Lock & Edit	Configuration Subdeployment	s Targets Security Notes			
Release Configuration	This page displays general inform	ation about a JMS system module ar	id its resources. It also allows you to configure	new resources and access existing resource	tes.
Domain Structure fcubs113 domain	Name:	FCUBS_SystemMod	le	The name of this JMS system module.	More Info
BrEnvironment Deployments BrServices	Descriptor File Name:	jms/FCUBS_System	Module-jms.xml	The name of the JMS module descriptor	file. More Info
H-Messaging → 3MS Servers → Store-and-Forward Agents → 1MS Modules	This page summarizes the JMS re destination quota, distributed de	sources that have been created for stinations, foreign servers, and stor	this JMS system module, including queue and to e-and-forward parameters.	opic destinations, connection factories, JMS	5 templates, destination sort keys,
Path Services	Customize this table				
Tota Sources     Persistent Stores     Foreign JNDI Providers	Summary of Resources           New         Delete				Showing 1 to 1 of 1 Previous   Next
Work Contexts	🔲 Name 🗇	Туре	JNDI Name	Subdeployment	Targets
How do I	NOTIFY_DEST_QUEUE	Queue	NOTIFY_DEST_QUEUE	FCUBS	FCUBS_JMSServer
Configure JMS system modules     Configure subdeployments in JMS system	New Delete			I I	Showing 1 to 1 of 1 Previous   Next
<ul> <li>Configure resources for JMS system modules</li> </ul>					
System Status					
Health of Running Servers					
Failed (0)					
Critical (0)					
Overloaded (0) Warning (0)					
OK (2)					
WebLogic Server Version: 10.3.4.0					
Copyright © 1996,2010, Oracle and/or its affiliates. All n Oracle is a registered trademark of Oracle Corporation		trademarks of their respective owners.			

The following screen is displayed:

😭 🏟 🌈 Create a New JMS System Module F	tesource - fcubs11	🟠 🔹 🔂 👘 eage • 🎯 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 Modules >FCUBS_SystemModule	>Summary of JDBC 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 JMS System Module Resource	
Lock & Edit	Back Next Finish Cancel	
Release Configuration	Choose the type of resource you want to create.	
Domain Structure	Use these pages to create resources in a JMS system module, such as queues, top	ics, templates, and connection factories.
fcubs113_domain  Environment  Deployments  Services		trimation for treating the resource. For targetable resources, like stand-alone queues and topics, connection is, you can also proceed to targeting pages for selecting appropriate server targets. You can also associate outping JMS module resources and the members to server resources.
Er-Messaging ──JMS Servers ──Store-and-Forward Agents	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for JMS cients. More Info
JMS Modules Path Services ⊞-Bridges Data Sources	O Queue	Defines a point-to-point destination type, which are used for asyndronous peer communicators. A message delivered to a queue is distributed to only one consumer. Howe Info
	🔿 Торіс	Defines a publish fuderable destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info
How do L     Configure quotas for destinations	O Distributed Queue	Defines a set of queues that are distributed on multiple JMS servers, but which are accessible as a single, logical queue to JMS dients. 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 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
System Status	🔿 JHS Template	Defines a set of default configuration settings for multiple destinations. More Info
Fieldh of Running Servers           Failed (0)           Critical (0)           Overloaded (0)	○ SAF Imported Destinations	Defines a collection of imported store-and-forward (SAF) destinations, A SAF destinations a representation of a queue or topic in a remote server instance, or duster that is apported in the local duster or server instance, so that the locations and server instance and messages to the remote server instance or duster. How Enfo
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2. Select 'Connection Factory'. Click 'New'.

😭 🔅 🌈 Create a New JMS System Module	Resource - fcubs11		🛐 🔹 🔜 👘 🖶 Eage 🔹 🎯 Tgols 🔹
	Administration Console		Q
Change Center	🔒 Home Log Out Preferences 🔤 Recor	d Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLE Modules >FCUBS SystemModule	XTEST.WORLD >Summary of JMS Servers >Summary of JDBC I	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 JMS System Module Reso	purce	
	Back Next Finish Cancel		
Release Configuration	Connection Factory Properties		
	The following properties will be used to ide	ntify your new connection factory. The current module is FC	UBS_SystemModule.
Domain Structure	* Indicates required fields		
fcubs113_domain			
B-Environment Deployments	What would you like to name your new conr	nection factory?	
E-Services			
☐ Messaging	* Name:	NotifyDestQCF	
	What JNDI Name would you like to use to lo	ok up your new connection factory?	
····JMS Modules			
Path Services     Bridges	JNDI Name:	NotifyDestQCF	
Data Sources			
Persistent Stores	The Connection Factory Subscription Sharin	g Policy Subscribers can be used to control which subscribers	can access new subscriptions. Should subscriptions created using this factory be sharable?
Foreign JNDI Providers	Subscription Sharing Policy:		
Work Contexts		Exclusive ¥	
How do L		than one IMS connection can use the same Client ID. Oracle	recommends setting the Client ID policy to Unrestricted if sharing durable subscribers.
<ul> <li>Configure quotas for destinations</li> </ul>	Subscriptions created with different Client I	D policies are always treated as independent subscriptions. V	Vhat Clent ID Policy would you like to use?
<ul> <li>Configure JMS templates</li> </ul>	Client ID Policy:		
<ul> <li>Configure destination keys</li> </ul>	chencib Policy.	Restricted V	
Configure topics			
Configure queues	A connection factory can limit the number of	f messages that can queued for an asynchronous session. Si	hould this connection factory impose a limit?
<ul> <li>Configure connection factories</li> </ul>	Maximum Messages per Session:	10	
<ul> <li>Configure uniform distributed topics</li> </ul>		10	
<ul> <li>Configure uniform distributed queues</li> </ul>	Should this connection factory create session	ins that are JTA aware, and create XA queues and XA topics	,
<ul> <li>Configure foreign servers</li> </ul>			
Configure JMS SAF	XA Connection Factory Enabled		
System Status	Back Next Finish Cancel		
Health of Running Servers			
Falled (0)			
Critical (0)			
Overloaded (0)			
Overloaded (0)			
one			📢 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 P	Resource - Fcubs11	🛐 🔹 🗟 🕤 🖶 Rage + 🎯 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 >Su Modules >FCUBS_SystemModule	mmary of JDBC Data Sources > FLEXTEST.WORLD > Summary of JMS Servers > JMS
No perdag charge exist. Click the Release Configuration but to allow others to edit the domain. Lock & Edit Release Configuration Domain Structure fcubel13_domain B Environment B Environment D Services B Services - Store and Formard Agents - Fabl Services B B B Services - Peats Services - Peats Services - Peats Services	Create a flew JHS System Hodule Resource           Back         Finish         Advanced Targeting         Cancel           The following properties will be used to target your new JHS system mode         Use this page to view and accept the default targets where this JHS resource will be ta accept the default targets, then div. Advanced Targeting to use the subdeployment	roeted. The default targets are based on the parent JMS system module targets. If you do not want to
	Back Next Finish Advanced Targeting Cancel	
How do L		
Configure auclas for destructions     Configure distinction (keys)     Configure distinction (keys)     Configure distinction (keys)     Configure queues     Configure queues     Configure uniform distributed topics     Configure Uniform distributed     Configure Uni		
· ·· ·		
lone		Succel intranet 🔍 100% 🔻

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

🚖 🎄 🌈 Create a New JMS System Module P	Resource - fcubs11	🏠 🔹 🔝 👘 🖶 🔛 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 D Modules >FCUBS SystemModule	ata Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS
No pending changes exist. Click the Release Configuration buttion to allow others to edit the doman. Lock & Edit Release Configuration	Create a New JMS System Module Resource       Back     Treath       Caneel   The following properties will be used to target your new JHS system module resource	
Domain Structure fcubs113_domain B-EnvironmentDeployments	Use this page to select a subdeployment to assign this system module resource. A subdeployment is a n SAF agent. If necessary, you can create a new subdeployment by clicking the <b>Create a New Subdep</b> module's subdeployment management page.	
	Select the subdeployment you want to use. If you select (none), no targeting will occur. Subdeployments: FCUBS V Create a New Subdeployment.	
Store-and-Forward Agents JMS Modules Path Services 	What targets do you want to assign to this subdeployment? Targets :	
How do L	Servers           HanagedServer1	
Configure quotas for destinations     Configure JMS templates     Configure destination keys     Configure topics	JHS Servers           JHS Servers           If FCUBS_JHSServer	
Configure topics     Configure queues     Configure connection factories     Configure uniform distributed topics	Back Next Finish Cancel	
Configure uniform distributed queues     Configure foreign servers     Configure JMS SAF		
System Status		
Health of Running Servers		
Faled (0)		
Critical (0)		
Overloaded (0)		×
Done		Scal Intranet 🔍 100% 👻

8. Select the 'Subdeployments' as FCIS.



- 9. Under JMS Servers, check the box against 'Managed Server'.
- 10. Click 'Finish'. The following screen is displayed:

		- (					<u>.</u>	• 🔊 • 🖶 • 🕞 Page • 🎯 Tools •
Change Center			nsole it Preferences 🏹 Record	t Help	Q		Welcome, w	eblogic Connected to: fcubs113 domain
View changes and restarts	н	ome >Summary				J rs >Summary of JDBC Data Sources >	FLEXTEST.WORLD >Summary of JMS Se	rvers >JMS
Pending changes exist. They must be activated to take effect.	Mes	isages	actory created successfully					
<ul> <li>Activate Changes</li> </ul>	Set	tings for FCU	BS_SystemModule					
Undo All Changes	Cc	onfiguration	Subdeployments Targ	ets Securit	y Notes			
omain Structure								
ubs113_domain	Т	'his page displa	ys general information abo	ut a JMS syste	em module and its resou	rces. It also allows you to configure	new resources and access existing res	purces.
Deployments I-Services ©-Messaging	Na	ime:		FCUBS	_SystemModule		The name of this JMS system module	e. More Info
····JMS Servers ····Store-and-Forward Agents	De	escriptor File	Name:	jms/FCI	UBS_SystemModule-jms	xml	The name of the JMS module descrip	otor file. More Info
JMS Modules Path Services EP-Bridges Data Sources			arizes the JMS resources t ta, distributed destinations				ppic destinations, connection factories,	JMS templates, destination sort keys,
Persistent Stores Foreign JNDI Providers		Customize thi						
Work Contexts	S	ummary of R	esources					
w do I		New Delete						Showing 1 to 2 of 2 Previous   Next
Configure JMS system modules Configure subdeployments in JMS system		Name 4	ò	Туре		JNDI Name	Subdeployment	Targets
modules Configure resources for JMS system modules		NotifyDe	stQCF	Connec	tion Factory	NotifyDestQCF	FCUBS	FCUBS_JMSServer
			DEST_QUEUE	Queue		NOTIFY_DEST_QUEUE	FCUBS	FCUBS_JMSServer
		New Delete	1					Showing 1 to 2 of 2 Previous   Next
stem status -								
Alth of Running Servers Failed (0) Critical (0)			_					
status         -           alth of Running Servers         -           Failed (0)         -           Critical (0)         -           Overloaded (0)         -								
alth of Running Servers  Faled (0)  Critical (0)  Overloaded (0)  Warning (0)				_				
alth of Running Servers           Failed (0)           Critical (0)           Overloaded (0)								

- 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.

🚖 🏘 🌈 Settings for NotifyDestQCF - fcubs11	3_domain - WLS	🛐 🔹 🔝 🝸 🖶 ។ 🔂 Bage + 🎯 Tools - 🎽
	dministration 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 Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS_SystemModule >NotifyDestQCF	i Servers >JMS
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  Environment  Deployments  Br:Services	Use this page to define the general configuration parameters for this JMS connection factory, which includes various clie	int connection, default delivery, load balancing, and security parameters.
Hessaging     Horizon Servers	E Name: NotifyDestQCF	he name of this JMS connection factory. More Info
Store-and-Forward Agents     JMS Modules     Path Services	JNDI Name: NotifyDestQCF	The global JNDI name used to look up a connection factory within a clustered NDI namespace. More Info
Bridges     Tota Sources     Persistent Stores	🗌 🚱 Default Targeting Enabled	pecifies whether this JMS resource defaults to the parent module's targeting r uses the subdeployment targeting mechanism. More Info
Foreign JNDI Providers	- D Advanced	
How do I	Save	
now do i		
Configure connection factories		
System Status		
Health of Running Servers		
Faled (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
OK (2)		
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All ri Oracle is a registered trademark of Oracle Corporation	ghts reserved. and/or is affiliates. Other names may be trademarks of their respective owners.	



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

Winds Changes     Notes #EEDTEST WORLD - Summary of XBC Dels Sources > EEDTEST.WORLD - Summary of XBC Dels Sources > EEDTEST WORLD - Summary of XBC Dels Sources > EEDTEST WORLD - Summary of XBC Dels Sources > EEDTEST WORLD - Summary of XBC Dels Sources > EEDTEST WORLD - Summary of XBC Dels Sources > EEDTEST.WORLD - Summary of XBC Dels Sources > EEDTEST WORLD - Summary of XBC Dels Dels = XBC EEDTEST WORLD - Summary of XBC Dels Sources > EEDTEST WORLD - Summary of XBC Dels Downer > EEDTEST WORLD - Summary of XBC Dels Downer > EEDTEST WORLD - Summary of XBC Dels Downer > EEDTEST WORLD - Summary of XBC DELS PEDTEST & YBC EEDTEST > EEDTEST WORLD - Summary of XBC DELS PEDTEST & YBC EEDTEST > EEDTEST WORLD - Summary of XBC DELS PEDTEST & YBC EEDTEST > EEDTEST WORLD - Summary of XBC DELS PEDTEST & YBC EEDTEST > EEDTEST =	🖗 Settings for NotifyDestQCF - fcul	os113_domain - Wi	LS						💁 🔹 🔝 👘 🖶 Page 🕶 🎯 Tgols	
we changes and restarts   under sharts   under shart		<sup>®</sup> Administratio	on Console						Ģ	
And data procession   Indiata procession   Indiat	nge Center	Home I	Log Out Preferenc	es 🔤 Re	cord Help		Q		Welcome, weblogic Connected to: fcubs113_doma	
Statistics:   Under All value   Under All value </td <td>w changes and restarts</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>TEST.WORLD &gt;9</td> <td>Summary of JMS Servers &gt;JMS</td>	w changes and restarts							TEST.WORLD >9	Summary of JMS Servers >JMS	
Undo Al Changes         Indo Al Changes         main Structure bit 13. Journal "		Settings fo								
and Structure       Structure         Structure<	<ul> <li>Activate Changes</li> </ul>	Configura	ation Subdeploy	ment No	otes					
I a service	Undo All Changes	General	Default Delivery	Client	Transactions	Flow Control	Load Balance	Security		
New ment to the fixed of a part of the the transaction configuration for the 2MS connection factory. You can define a transaction time-out value, and also indicate whether an XA queue or XA topic connection factory is returned, which create sessions that er 2TA user-transaction a wrec.  PressagingStorward_formard AgentsStorward_formation factory is returned, which create sessions that er 2TA user-transaction a wrec.  Transaction TimeoutStorward_formard AgentsStorward_formation factory is returned, which create sessions that er 2TA user-transaction a wrec.  Transaction TimeoutStorward_formard AgentsStorward_formation factory is returned, metabolic factory. Now Enfol  Transaction TimeoutStorward_formard AgentsNote infol  Transaction TimeoutStorward_formard_formard AgentsNote infol  Transaction TimeoutStorward_formar	ain Structure	Save								
	nvironment eployments ervices							ı can define a tr	ransaction time-out value, and also indicate whether an XA queue or XA topic connection	
H-shaft Services     Here is the service	····JMS Servers ···Store-and-Forward Agents	Transact	ion Timeout:		360	00			The timeout value (in seconds) for all transactions on connections created with this connection factory. More Info	
INDUCIONS INDUCIONS	Path Services (B)-Bridges Data Sources -Persistent Stores Foreign JNDI Providers		(A Connection Fa	ctory Ena	ibled				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.	
htpure connection factories em Status for Railed (0) for Railed (0) for Critical (0) Critical (0) Warning (0)	Work contexts	Save								
Testatus Te		1								
# Safus       # Safus       # Safus       Paled (0)       Critical (0)       Oveloaded (0)       Warning (0)	-									
Faled (0)           Criteal (0)           Overloaded (0)           Warring (0)	in Status									
Critcal (0) Overloaded (0) Warning (0)										
Overloaded (0)           Warning (0)										
OK (2)										
	OK (2)									

14. Check the box 'XA Connection Factory Enabled'.

15. Click 'Save'. The following screen is displayed.

🚖 🎄 🌈 Settings for NotifyDestQCF - fcut	bs113_domain - WLS	🏠 🔹 🔝 🐇 🖶 Eage 🔹 🎯 Tgols 🔹
	Administration Console	Ō
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 >Summ Modules >FCUBS SystemModule >NotifyDestOCF >FCUBS SystemModule >NotifyDestOCF	nary of JMS Servers >JMS
Pending changes exist. They must be activated to take effect.	Messages Settings updated successfully.	
Activate Changes	Settings for NotifyDestQCF	
Undo All Changes	Configuration Subdeployment Notes	
Oomain Structure	General Default Delivery Client Transactions Flow Control Load Balance Security	
Deployments	Save	
Services     Messaging     MS Servers     Store-and-Forward Agents	Use this page to define the transaction configuration for this JMS connection factory. You can define a transac factory is returned, which create sessions that are JTA user-transaction aware.	ction time-out value, and also indicate whether an XA queue or XA topic connection
	Transaction Timeout: 3600	The timeout value (in seconds) for all transactions on connections created with this connection factory. More Info
**Data Sources ***Persistent Stores ***Foreign JNDI Providers ***Work Contexts	☑ 🍪 XA Connection Factory Enabled	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 XAGession, which in turn may be used to obtain an XAResource for use inside a transaction manacer. Where Info
How do I E		
Configure connection factories	Save	
iystem Status 🗉	a)	
Health of Running Servers		
Failed (0)	1	
Critical (0)		
Overloaded (0)		
Warning (0)		
OK (2)		
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. Oracle is a registered trademark of Oracle Corporat	All rights reserved. All or addor is affiliate. Other names may be trademarks of their respective owners.	

- 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.

🔆 🏟 🌈 Settings for NotifyDestQCF - fcubs11	13_domain - WLS						🏠 🔹 🔝 🕤 🖶 Page + 🎯 Tools + 🎽
	Administration Con	sole					Q 🧉
Change Center	Home Log Out	Preferences 🔤	Record Help		Q		Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home > FLEXTEST.V Modules > FCUBS_S	VORLD >Summary vstemModule >Noti	of JMS Servers >Sun vDestOCF >FCUBS	imary of JDBC Dat SystemModule >N	a Sources > FLEX otifyDestOCF	rest.world	>Summary of JMS Servers >JMS
Click the Lock & Edit button to modify, add or delete items in this domain.	Messages # Al diances have been activated. No restarts are necessary.						
Lock & Edit	Settings for Notify	Destorr					
Release Configuration		-					
Domain Structure	Configuration		Notes				
fcubs113 domain	General Default	Delivery Client	Transactions	Flow Control	Load Balance	Security	
B-Environment	Click the Lock & L	Edit button in the G	hange Center to m	odify the settings	on this page.		
Deployments	Save						
-Messaging							
···Store-and-Forward Agents ···JMS Modules ···Path Services			on configuration fo isions that are JTA			can define a	a transaction time-out value, and also indicate whether an XA queue or XA topic connection
Bridges     Data Sources     Persistent Stores	Transaction Time	eout:					The timeout value (in seconds) for all transactions on connections created with this connection factory. More Info
How do I	🗹 🔏 XA Conn	ection Factory E	nabled				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 AXAConnecton, 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 management. More Info.
Configure connection factories	Save						
System Status  Health of Running Servers	Click the Lock & L	E <b>dit</b> button in the C	hange Center to m	odify the settings	on this page.		
Failed (0)							
Critical (0)							
Overloaded (0)							
Warning (0)							
OK (2)							
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All ri Oracle is a registered trademark of Oracle Corporation		r names may be trac	lemarks of their respe	ctive owners.			

## 7.3 Configuring Weblogic for Oracle FLEXCUBE

This section explains the steps for configuring Oracle WebLogic application server for Oracle FLEXCUBE Investor Servicing. Follow the steps given below:

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

🚖 🏘 🌈 Home Page - fcubs113_domain - WL	S Console		🐴 🔹 🔝 👘 🖶 🖓 Bage 🔹 🎯 Tgols 🔹 🎽
	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 JMS Servers >Summary of JDBC Data So Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS_S		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Home Page		
Lock & Edit	Helpful Tools	General Information	
Release Configuration	Configure applications	General Information     Common Administration Task Descriptions	
	Configure applications     Configure GridLink for RAC Data Source	Read the documentation	
Domain Structure	<ul> <li>Recent Task Status</li> </ul>	<ul> <li>Ask a guestion on My Oracle Support</li> </ul>	
fcubs113 domain	<ul> <li>Set your console preferences</li> </ul>	<ul> <li>Oracle Guardian Overview</li> </ul>	
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
Path Services	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
Foreign JNDI Providers	Virtual Hosts	<ul> <li>Bridges</li> </ul>	Diagnostic Modules
Work Contexts	Migratable Targets	Data Sources	Diagnostic Images
How do I	Coherence Servers	<ul> <li>Persistent Stores</li> </ul>	Request Performance
	Coherence Clusters	<ul> <li>XML Registries</li> </ul>	Archives
<ul> <li>Search the configuration</li> </ul>	Machines	<ul> <li>XML Entity Caches</li> </ul>	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		<ul> <li>jCOM</li> </ul>	Charts and Graphs
Monitor servers	Your Deployed Resources	<ul> <li>Mail Sessions</li> </ul>	Monitoring Dashboard
Sustem Status 🖂	Deployments	FileT3	
System Status		• JTA	
Health of Running Servers	Your Application's Security Settings		
Failed (0)	Security Realms		
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			
WebLogic Server Version: 10.3.4.0			
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onacle of a registered trademark or Oracle Corporation	r anayor to anniates. Outer names may be trademarks of their respec		



The following screen is displayed:

Settings for fcubs113_domain -	fcubs113_domain - W		💁 🔹 🔂 👘 🖶 Page 👻 🎯 Tgols
	P Administration Console		Ģ
nge Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_doma	
v changes and restarts	Home >Summary of JMS Servers >Summary of JDBC Data : Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS	Sources >FLEXTEST.WORLD >Summary of JMS Se _SystemModule >NotifyDestQCF >fcubs113_dom	ervers >JMS nain
ending changes exist. Click the Release figuration button to allow others to edit the an.	Settings for fcubs113_domain		
Lock & Edit	Configuration Monitoring Control Security	Web Service Security Notes	
Release Configuration	General JTA JPA EJBs Web Applications	Logging Log Filters	
	Save		
ain Structure s113 domain			
nvironment eolovments	A domain is a collection of WebLogic Server instances the domain.	hat is managed by a single Administration Serve	r. Use this page to configure administrative options that apply to all servers in the current
ervices	* Indicates required fields		
-Messaging			
	* 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	Administration Port:	9002	The common secure administration port for this WebLogic Server domain. (Requires you to enable the administration port.) More Info
do I nange Console preferences onfigure the domain-wide administration po	👘 Production Mode:	true	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
chive configuration files sable the Console tem Status th of Running Servers	def Enable Exalogic Optimizations		specifies whether optimizations for Oracle Evalogic should be enabled. Optimizations include improved thread management and request processing, configurate a Vielocico domain for Oracle studio). For more information, see "Enabling Evalogic-Specific Enhancements in Oracle Vielocico, Server 11g Relesses 1(10.3.4)" in the Oracle Evalogic Desyment Guide. New Enfo
Failed (0) Critical (0)	🗌 🕖 Enable Cluster Constraints		Specifies that deployments targeted to a cluster succeed only if all servers in the cluster are running. More Info
Overloaded (0) Warning (0)	🕑 🎉 Enable on-demand deployment of intern	al applications	Specifies whether internal applications such as the console, uddi, wistestclient, and uddiexplorer are deployed on demand (first access) instead of during server startup. More Info
OK (2)	🔲 🕂 Enable Oracle Guardian Agent		Specifies whether the Guardian Agent is deployed when starting servers in the current domain. More Info
	- 🖗 Advanced		

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

🚖 🕸 🍘 Settings for fcubs113_domain - fcubs1	113_domain - W	🏠 🔹 🔂 🐘 🔂 🖓 🎒 Vage + 🎯 Tools - 🎽		
	dministration Console	Q ^		
Change Center	🔒 Home Log Out Preferences 🔛 Record Help	Welcome, weblogic Connected to: fcubs113_domain		
View changes and restarts	Home >FLEYTEST.WORLD >Summary of JMS Servers >JMS Modules >FCUBS_SystemModule >NotifyDextQCF >FCUBS_SystemModule >NotifyDextQCF >fcubs113_domain >Summary of Mail Sestions > fuebt113_domain			
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings 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 & Edit button in the Change Center to modify the settings on this page.			
fcubs113_domain	Save			
Deployments E-Services E-Messaging JMS Servers	Use this page to define the domain-wide Web application configuration settings.			
HIS Servers HIS Servers HIS Modules HIS Modules HIS Services HIS Services HIS Services HIS Services HIS Services HIS Services	🗌 🔞 Relogin Enabled	Beginning with the 9.0 release the FCRNIBASC authentication behavior has been modified to confirm strictly to the 3252 expectination. If a use has logged-in-but does not have privileges to access a resource, the 403 (PGRSID2019) agas with enziment. Turn this flag on to enable the old behavior, which was to return the user to the logn form. More Info		
Persistent Stores     Proreign 2002 Providers     Provider Contexts      How do L      Deploy Web applications     Stop deployed Web applications     Stop deployed Web applications     Obdet Web applications	🗌 🚓 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 that should be permitted access to this resource collection. Here note-imme en- "" is a compact spinar for indicating al roles in the Web application. In previous relateses, informer en "" in all beaters all user spice sched in behavior. Default behavior is one required by the spec, meaning al roles defined in the web application. Tiles the walk defined whether all roles defined in the web application. Tiles the walk defined in additional (container-descriptor -> allow-all-roles) takes precedence (if set) over this value. Wore Info		
Concernent fred oppractions     Update run-time descriptors  System Status Health of Running Servers	🗌 👘 Filter Dispatched Requests	Indicates whether or not to apply filters to dispatched requests. This is a backward compatibility flag, Unit version 8.1, VetAcopc Enver applied ServiceTrans (fromforus of the VetA packatch) or request dispatches (and includes/inforwards). ServiceT 2.4 This introduced the Tobastcher' element or de to be consolar with the JEEE specification, the default value for		
Failed (0)           Critical (0)           Overloaded (0)           Warning (0)           Ok (2)		FiterDigeatherBequestBraided is fisle beginning with Webciogic Server 9.0. Note that fiy our are using discontrast memory web. wild bear to thave version=2.4, then Webclingic Server automatically uses FiterDigeatherBequestBraided = thus for the Web applications, unless fitter-digeatherBequestBraided = thus for the Web applications, unless fitterDigeatherBequestBraided = thus for the Web applications, unless fitterDigeatherBequestBraided = thus for the Web applications, unless fitterDigeatherBequestBraided = thus for the without any modification. Also memory and the Braid DigeatherBea		
]	Overload Protection Enabled	This parentee is used to enable overload protection in the velago centainer against two memory conditions. When allow merry saturation occurs, hen essaion creation attempts will result in weblig:cservice.Session:creations. The application code needs to catch this exception and take proper action. Alternatively appropriate error- pages can be configured in meb. will against		
Done		Succal 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:

🖌 💠 🌈 Settings for fcubs113_domain - fcubs1	113_domain - W	🟠 🔹 🔝 🛸 🎰 🐑 Bage 🕶 🎯 Tools 🕶
	Http Trace Support Enabled	Returns the value of HttpTraceSupportEnabled. More Info
	UebLogic Plugin Enabled	Specifies whether or not the proprietary WL-Proxy-Clent-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
	🕑 🥀 Change 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
	WAP Enabled	Indicates whether the sension ID should include TMM information. Clonding the bas may be measure when using URL rearring unit MAP deducts that limit the size of the URL to 28 characters, and may also affect the use of the URL to 128 characters, and may also affect the use of the URL will be set at 52 characters, and it will not contain any special denacture.
	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 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
	處 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 Web site. More Info
	V 👸 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 conform to the JSP2.0 specification. This property exists for backward compatibility. More Info
	🕑 🕂 Archived 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	
/ebLogic Server Version: 10.3.4.0 opyright © 1996,2010, Oracle and/or its affiliates. All riç racle is a registered trademark of Oracle Corporation a	h ndjor its affliates. Other names may be trademarks of their respective owners.	

- 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 - fcu	bs113_domain - W	🏠 🔹 🗟 👘 🖶 🖓 Bage 🔹 🎯 Tigols 🔹 🎽
	Administration Console	Q 🍝
Change Center	🔒 Hame 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 >JMS Modules >FCUBS SystemModule >NotifyDeatQCF >FCUBS SystemModule >NotifyDeatQCF >fcubs113 domain	
Pending changes exist. They must be activated to take effect.	Messages	
Activate Changes	Settings updated successfully.	
Undo All Changes	Settings for fcubs113_domain	
	Configuration Monitoring Control Security Web Service Security Notes	E
Domain Structure	General JTA JPA EJBs Web Applications Logging Log Filters	
fcubs113_domain	Save	
Deployments El-Services		
E-Messaging JMS Servers	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 JZEE Specification. If a user has logged in but does not have privilege to access a resource, the 403 (FORBIDEN) page will be returned. Turn the flag on to erable the old behavior, which was to return the user to the login form
How do I	🗌 🤀 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 that should be permitted access to this resource colection. Here role-name = "" is a compact syntax for indicating al roles in the Web application. In previous releases, role-name = "" was treated as al users/roles defined in
Deploy Web applications     Stop deployed Web applications     Delete Web applications     Update run-time descriptors		the realm. This parameter is a backward-compatibility switch to restore old 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 (container-descriptor >> allow-all-roles) takes precedence (if set) over this value. More Info
System Status	🗌 💰 Filter Dispatched Requests	Indicates whether or not to apply filters to dispatched requests. This is a backward compatibility flag. Until version 3.1, WebLogic Server applied ServleFilters (fondigued for the Web application) on request dispatches (and includes/forwards). Servlet 2.4 Hos introduced the "Dispatcher" element to make this behavior explicit. The default value is Dispatcher=RedUEST. In
Failed (0)       Critical (0)       Overloaded (0)       Warning (0)       OK (2)		order to be complexit with the ZEE specification, the default value for FIBE/DapatcheckequesselEstability of late beginning with WebLoyck Server 9.0. Note that if you are using add descriptors (Interning web xwill does not have FIBE/DapatcheckequesselEstability of two for the Web applications, unless filter-dapatcheck-requests-malibed is explicitly set to failse in weblogs.cml. This means that daplactability with the 30 deviations of the single additionant. Additionally, during ingration of did domains to the 5.0 domain, the migration Judges automatically sets this fails to the. Web Infin.
	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 webiogic servict.Session/CreationException. The application code needs to catch this exception and take proper action. Alternatively appropriate error-
Done		Scal intranet 🔍 100% 💌

- 7. Ensure that the message 'Settings are updated successfully' is displayed.
- 8. Click the button 'Active Changes' and then restart the admin server.



# 7.4 Setup/Configure Mail Session in Weblogic

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

## 7.4.1 Creating JavaMail Session

To configure mail session, follow the steps below.

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

5			
nge Center	🔒 Home Log Out Preferences 🔤 Record H		Welcome, weblogic Connected to: fcubs113_dom
w changes and restarts	Home >Summary of JDBC Data Sources >FLEXTE Modules >FCUBS_SystemModule >NotifyDestQCF	ST.WORLD >Summary of JMS Servers >JMS : >FCUBS_SystemModule >NotifyDestQCF >fcubs113_don	nain >Summary of Mail Sessions
the Lock & Edit button to modify, add or te items in this domain.	Summary of Mail Sessions		
Lock & Edit			
Release Configuration	Mail sessions facilitate the process of using the Protocol (SMTP)-capable mail servers on your	e JavaMail APIs, which provide applications and other : network or the Internet.	JZEE modules with access to Internet Message Access Protocol (IMAP)- and Simple Mail Transfer
ain Structure	This page summarizes the mail sessions that h	ave been configured in the current WebLogic Server de	omain.
····JMS Servers ····Store-and-Forward Agents	Customize this table		
JMS Modules	Mail Sessions		
Path Services	Click the Lock & Edit button in the Change Ce	enter to activate all the buttons on this page.	
⊕-Bridges …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 ····COM	New Clone Delete		Showing 0 to 0 of 0 Previous   Next
Mail Sessions	Thew Cone Deele		Showing 0 to 0 or 0 Previous   Next
do I	]		
nfigure access to JavaMail			
get mail sessions			
lete mail sessions			
em Status			
n of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			
.ogic Server Version: 10.3.4.0 right © 1996,2010, Oracle and/or its affiliates	All rights reserved.		
	ation and/or its affiliates. Other names may be trademarks of	their respective owners.	



10. Click 'Lock & Edit' for creating a new session.

🚖 🎄 🖉 Summary of Mail Sessions - foubs113			🟠 = 🔝 - 🚔 Tools -
🛠 🏶 🏉 Summary of Mail Sessions - fcubs113	3_domain - WLS C		
	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.WC Modules >FCUBS_SystemModule >NotifyDestQCF >FCU		domain >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 Java Protocol (SMTP)-capable mail servers on your netwo		er J2EE modules with access to Internet Message Access Protocol (IMAP)- and Simple Mail Transfer
Domain Structure	This page summarizes the mail sessions that have be	een configured in the current WebLogic Serve	er domain.
Hessaging     Hassaging     Hassaging     Hassaging     Servers     Servers     Hassaging     Hassaging     How and Agents     Hassaging     Hassaging	Customize this table Mail Sessions Click the Lock & Editbutton in the Change Center t	to activate all the buttons on this page.	
Data Sources			Showing 0 to 0 of 0 Previous   Next
***Persistent Stores ***Foreign JNDI Providers ***Work Contexts	□ Ilame ↔	Properties	JNDI Name
XML Registries XML Entity Caches		There are no	items to display
	New Clone Delete		Showing 0 to 0 of 0 Previous   Next
How do I			
Configure access to JavaMail			
Target mail sessions     Delete mail sessions			
Delete mail sessions			
System Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0) Warning (0)			
OK (2)			
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All i Oracle is a registered trademark of Oracle Corporation	rights reserved. n and/or its affiliates. Other names may be trademarks of their n	espective owners.	

11. Following screen is displayed.

			<b>1</b> 10 10 10
🔆 🏘 🔾 Summary of Mail Sessions - foubs11	13_domain - WLS C		🟠 🔹 🔝 🐇 🖶 Eage 🕶 🎯 Tgols 👻
	Administration Console		Q
Change Center	🏠 Home Log Out Preferences 🔤 Record H	ielp 🔍	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTE Modules >ECLIPS_SystemModule >NotifyDestOCE	ST.WORLD >Summary of JMS Servers >JMS F >FCUBS_SystemModule >NotifyDestQCF >fcubs113_dom	ain >Summary of Mail Sessions
No pending changes exist. Click the Release Configuration button to allow others to edit the	Summary of Mail Sessions		Southing of the Stations
domain.	Summary of Plan Sessions		
Lock & Edit Release Configuration	Protocol (SMTP)-capable mail servers on your	e JavaMail APIs, which provide applications and other J network or the Internet. ave been configured in the current WebLogic Server do	ZEE modules with access to Internet Message Access Protocol (IMAP) - and Simple Mail Transfer main.
Domain Structure			
Messaging	Customize this table		
Store-and-Forward Agents	Mail Sessions		
**Path Services	New Clone Delete		Showing 0 to 0 of 0 Previous   Next
Bridges     Data Sources	□ Name ↔	Properties	JNDI Name
···Persistent Stores			
Foreign JNDI Providers Work Contexts		There are no item	is to display
···XML Registries	New Clone Delete		Showing 0 to 0 of 0 Previous   Next
XML Entity Caches			
Mail Sessions			
How do L			
Configure access to JavaMail			
<ul> <li>Target mail sessions</li> </ul>			
Delete mail sessions			
System Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			
	1		
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. Al Oracle is a registered trademark of Oracle Corporatio	Il rights reserved. on and/or its affiliates. Other names may be trademarks of	their respective owners.	



12. Click 'New' for creating a new session.

😭 💠 🌈 Create a New Mail Session - fcubs11	3_domain - WLS		🚹 🔹 🔝 🕤 🖶 🔹 📴 Bage 🕶 🎯 Tools 👻
	Administration Console		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	<u>a</u>	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JM Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS_SystemModule >No	Servers >JMS tfyDestQCF >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 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?		
Services     Services     ''Mssaging     '''JMS Servers	* Name: FCUBSMailSession		
***Store-and-Forward Agents ***JMS Modules ***Path Services	naii/FCUBSMail		
Bi-Bridges     Data Sources     Persistent Stores     F-Persign JNDI Providers     Work Contexts	<pre>     JavaHai Properties:     mail.host=steehive.oracle.com     mail.smtps.debug=true     mail.smtps.debug=true mail.smtps.auth=true mail.smtps.host=steehive.oracle.com </pre>		
100 00 1	mail.smtps.nost-stbeenive.oracle.com		
Configure access to JavaMail     Target mail sessions	Back Next Finish Cancel		
System Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
Warning (0) OK (2)			
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010. Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	ights reserved. and/or its affiliates. Other names may be trademarks of their respective owners.		

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

#### Name

**FCISMailSession** 

#### **JNDI Name**

mail/FCISMail



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
- 14. Click 'Next'.

The following screen is displayed.

🚖 🏘 🌈 Create a New Mail Session - fcubs11	3_domain - WLS		🏠 👻 🗟 👘 🖶 Page 🗸 🎯 Tools 👻			
	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.WC Modules >FCUBS_SystemModule >NotifyDestQCF >FCU	RLD >Summary of JMS Servers >JMS BS_SystemModule >NotifyDestQCF >fcubs113_do	main >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	Back Next Finish Cancel				
Release Configuration	Mail Session Targets					
Domain Structure fcubs113 domain	This page indicates on which WebLogic Server instan session.	ces or clusters the mail session is accessible. Or	ily applications that have been deployed to the selected servers or clusters can use this mail			
Brenvironment ⊡Deployments Dreservices Dreservices	When you target all or part of a cluster, the Administ fails for all active servers.	tration Console initiates a two-phase deployment	it. In general, such a deployment ensures that if the deployment fails for one active server, it			
JMS Servers JMS Servers JMS Modules JMS Modules	Servers AdminServer					
"Bridges     "Data Sources     "Persistent Stores     "Foreign JNDJ Providers	ManagedServer1					
Work Contexts	Back Next Finish Cancel					
How do I						
Configure access to JavaMail     Target mail sessions						
System Status						
Health of Running Servers						
Failed (0)						
Critical (0)						
Overloaded (0) Warning (0)						
OK (2)						
(4)						
WebLogic Server Version: 10.3.4.0 Copyright © 1996,2010, Oracle and/or its affiliates. All Oracle is a registered trademark of Oracle Corporation	rights reserved. and/or its affiliates. Other names may be trademarks of their re	espective owners.				

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

<sup>1</sup> '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 FLEXCUBE Investor Servicing Installer.



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

And Access to Every and Agents       Image Category       Webcome, weblogic       Connected to: fcabs113_down         Activate They must be activate       Image Category       Male Second Hebp       Second Hebp       Second Hebp       Second Hebp       Second Hebp       Notes       Connected to: fcabs113_down         Image Category       Activate They must be activate       Image Category       Male Second Hebp       Second Hebp       Second Hebp       Notes       Connected to: fcabs113_down         Image Category       Activate They must be activate       Image Category       Male Second Hebp       Second Hebp       Notes       Second Hebp       Notes       Second Hebp       Notes       Second Hebp       Notes	🔅 🌈 Summary of Mail Sessions - fcubs	13_domain - WLS C			🟠 * 🗟 * 🖶 *	📴 Page 🔻 🕥 Tools
<ul> <li>We changes and restarts</li> <li>We about the Danges</li> <li>We about the Da</li></ul>		Administration Console				õ
<pre>kt using sum returns i</pre>	ange Center	Home Log Out Prefe	rences 🔤 Record Help	Q	Welcome, weblogic Connected	to: fcubs113_domain
Hessages Undo Al Changes Undo	w changes and restarts	Home > Summary of JDBC Modules > FCURS_System	Data Sources > FLEXTEST.WORLD > Module > NotifyDeetOCE > FCURS_Sy	Summary of JMS Servers >JMS atemModule >NotifyDestOCE >fcubs113	domain >Summary of Mail Sessions	
Adduate Changes Undo AI Changes Undo AI Changes Summary of Hall Sessions Summary of Hall Sessi		Messages				
Units of Likelyes         main Structure	Activate Changes	Mail session created	successfully.			
Product (SMTP)-capable mail servers on your retrorik or the Internet:     The page summarizes the mail sessions that have been configured in the current WebLogic Server domain.     Product (SMTP)-capable mail servers on your retrorik or the Internet:     This page summarizes the mail sessions that have been configured in the current WebLogic Server domain.     Configure access to JavaMail     Traget mail sessions     that Secsions     that Secsions     the figure access to JavaMail     Traget mail sessions     the figure access     Traget mail sessions     the figure access     Traget mail sessions     Traget mail sessions     Traget mail sessions     Traget mail sessions	Undo All Changes	Summary of Mail Sessi	ons			
Progent Store Starward Store Showing to to 1 Provides Showing to to 1 Provides Next     Progent Store Starward Star	Hessaging     "MS Servers     "Store-and-Forward Agents     "JMS Modules     "JMS Modules     "Path Services     B-Bridges	Protocol (SMTP)-capabl This page summarizes t Customize this table	e mail servers on your network or t ne mail sessions that have been co	the Internet.		imple Mail Transfer
Foregrinds     Image: Status       Add. Registres     Image: Status       Add. Registres     Showing 1 to 1 of 1       Process     Showing 1 to 1 of 1       Previous     Next	Persistent Stores					
Bit Sessions     Instruction     Instruction       Coll     Instruction     Instruction					310/11g 10 10	1 Plevious (Ivext
Production     Production     mail.smps.auth=true mail.smps.host=stbeehve.orade.com     mail.fcc.Bb/all       W do L     Showing 1 to 1 of 1     Pervous   Next       Configure access to JarvAll     Target mail sessons     Showing 1 to 1 of 1     Pervous   Next       All of Ruming Servers     Falled (0)     Critical (0)     Verving (0)     K       Wering (0)     Critical (0)     Critical (0)     K     K		🔲 Name 🗇	Properties			JNDI Name
University     Determinant       Configure access to JavaMal Target mal sessions     Showing 1 to 1 of 1       Periods     Periods       Determinant     Periods       Pailed (1) Ontical (0) Ontical (0)	jCOM	FCUBSMailSessi	mail.smtps.auth=true mail.sm	tps.port=smtps mail.smtps.host=stbee	hive.orade.com mail.smtps.debug=true mail.host=stbeehive.orade.com	mail/FCUBSMail
w do L  Configure access to JavaMal Configure access to Ja		New Clone Dele	in.		Showing 1 to 1 of	1. Previous   Next
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## 7.4.2 Configuration of the TLS/SSL Trust Store for Weblogic Server

As described in the previous section, Oracle FLEXCUBE INSTALLER SERVICING 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 FLEXCUBE INSTALLER SERVICING 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 FLEXCUBE INSTALLER SERVICING 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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