Payments Weblogic Configuration Oracle Banking Payments

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1. Configuring SSL on Oracle Weblogic

1.1 Introduction

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

1.2 Setting up SSL on Oracle Weblogic

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

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

1.3 <u>Certificates and Keypairs</u>

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

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

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

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

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

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

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



2. Choosing the Identity and Trust Stores

2.1 Introduction

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

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

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

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

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

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

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

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



3. Obtaining the Identity Store

3.1 Creating Identity Store with Self-Signed Certificates

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

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

3.1.1 Creation of Self-signed Certificate

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

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

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

In the above command,

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

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

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



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

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

<u>Example</u>

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

```
D:\Oracle\weblogic11q\jrockit 160 05 R27.6.2-20\bin>keytool -
genkeypair -alias selfcert -keyalg RSA -keysize 1024 -sigalg
SHA1withRSA -validity 365 -keystore D:\keystores\FCUBSKeyStore.jks
Enter keystore password: < Enter a password to protect the keystore >
Re-enter new password: < Confirm the password keyed above>
What is your first and last name?
  [Unknown]: cvrhp0729.i-flex.com
What is the name of your organizational unit?
  [Unknown]: BPD
What is the name of your organization?
  [Unknown]: Oracle Financial Services
What is the name of your City or Locality?
  [Unknown]: Mumbai
What is the name of your State or Province?
  [Unknown]: Maharashtra
What is the two-letter country code for this unit?
  [Unknown]: IN
Is CN=cvrhp0729.i-flex.com, OU=BPD, O=Oracle Financial Services,
L=Mumbai, ST=Maharashtra, C=IN correct?
  [no]: yes
Enter key password for <selfcert>
        (RETURN if same as keystore password): < Enter a password to
protect the key>
Re-enter new password: < Confirm the password keyed above>
```



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

3.2.1 Creation of Public and Private Key Pair

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

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

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

In the above command,

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

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

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



- Name of your Organization: The name of the organization making the certificate request, for example, Oracle Financial Services. It is recommended to use the company or organization's formal name, and this name entered here must match the name found in official records.
- Name of your City or Locality: The city in which your organization is physically located, for example Mumbai.
- 7. **Name of your State or Province**: The state/province in which your organization is physically located, for example Maharashtra.
- 8. **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:

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



3.2.2 Generating CSR

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

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

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

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

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

In the above command,

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

<u>Example</u>

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

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

3.2.3 Obtaining Trusted Certificate from CA

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

3.2.4 Importing Certificate into Identity Store

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

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



Importing the Intermediate CA certificate

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

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

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

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

In the above command,

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

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

Listed below is a sample execution of the command

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

Importing the Identity certificate

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

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

In the above command,

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



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

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

Listed below is a sample execution of the command

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

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



4. Configuring Identity and Trust Stores for Weblogic

4.1 Enabling SSL on Oracle Weblogic Server

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

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

4.2 Configuring Identity and Trust Stores

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

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

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



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

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

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



5. Setting SSL attributes for Managed Servers

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

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 essential that the Oracle Banking payments 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 FC payments 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-097480.html	Install Oracle Instant Client in a local directory. While configuring Weblogic for Windows or Unix/Linux box, you need to provide the directory path where Instant Client is installed.

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

- Oracle Weblogic on Windows Box:
 - > Set {ORACLE_HOME} in the environment variable.

> Update the Environment Variable Path as {*ORACLE_HOME*}/*Instance Client*. This is required to load all the *.dll* files.

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

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

• Oracle Weblogic on Unix/Linux Box:



Set {*ORACLE_HOME*} in the environment variable.

> Update the environment variable *LD_LIBRARY_PATH* as {*ORACLE_HOME*}/*lib*. This is to load all the .so files.

> Ensure that the *ojdbc*.jar* file in {*WL_HOME*}/*server/lib/ojdbc*.jar* is the same as the file {*ORACLE_HOME*}/*jdbc/lib/ojdbc*.jar*. This is to ensure compatibility.

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

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

7.2.1.2 XA Enabled Data Source

Follow the steps given below:

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



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



3. Navigate to Oracle Weblogic home page.

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	dministration Console 12c			Q
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Critical (0)	 Startup And Shutdown Classes 	· X01.5	triby Caches	

4. Click 'LOCK & EDIT'.

Following screen is displayed:

🖉 Summary of JDBC Data Sources - fcubs	113_domain - WLS Console - Windows I	nternet Explorer			
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Ele Edit View Favorites Iools Help McAfee /					
🔆 🏟 🏉 Summary of JDBC Data Sources - fcu	ubs113_domain			🏠 * 🔂 - 🖶 * 🔂 Bage * 🎯 Te	gols • »
	Administration Console				<u>o</u> ^
Change Center	🙆 Home Log Out Preferences 🔤 Record	Help	k	Welcome, weblogic Connected to: fcubs113_do	main
View changes and restarts	Home >Summary of JDBC Data Sources				
No pending changes exist. Click the Release	Summary of JDBC Data Sources				
domain.	Configuration Monitoring				
Release Configuration	A JDBC data source is an object bound to the borrow a database connection from a data so This page summarizes the IDBC data source the source source source source the source source source source the source source the source source the source source the source source the source source the	e JNDI tree that provides databa ource.	e connectivity through a pool of JDBC conn	ections. Applications can look up a data source on the JNDI tree and then	
Domain Structure					
D Environment	Customize this table				
Deployments Services	Data Sources (Filtered - More Columns	Exist)			
Messaging Data Fources	New ~ Delete			Showing 1 to 2 of 2 Previous Nex	t
-Persistent Stores					1
Foreign JNDI Providers	Name 🗠	Туре	JNDI Name	Targets	
XML Registries	FCUBS113	Generic	jdbc/fcjdevDS	ManagedServer1	
-jcom	FCUBS113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer 1	
File T3	New V Delete			Showing 1 to 2 of 2 Previous Nex	d I
How do I	Internet Internet				<u> </u>
Create JDBC generic data sources					
Create JDBC GridLink data sources					
Create JDBC multi data sources					
Delete JDBC data sources					
System Status					
Health of Running Servers					
Failed (0)					
Critical (0)					
Warning (0)					
OK (2)					



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

e/console.portal?_nfpb=true8_pageLabel=http://10.184	74.143:8888/console/conso	le.portal?_nfpb=true&_pageLabel=Global3	DBCDataSourc 💌 🦘 🔀 Google Powered Pandion Search 🖌
113_domain			
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Home >Summary of JDBC Data Sources			
Summary of JDBC Data Sources			
Configuration Monitoring			
Domain Structure This page summarizes the USBC data source objects that have been created in this domain. B ⁺ Environment Castomize this table			
Data Sources (Filtered - More Columns Exist)			
New V Delete			Showing 1 to 2 of 2 Previous Next
Generic Data Source	Туре	JNDI Name	Targets
Multi Data Source	Generic	jdbc/fcjdevDS	ManagedServer1
FCUBS113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer1
New - Oelete			Showing 1 to 2 of 2 Previous Next
	Arme Log Out Preferences Led Record Help Hore > Summary of JDBC Data Sources Configuration Monitoring A JDBC data source is an object bound to the JNDI tre borrow a database connection from a data source. This page summarizes the JDBC data source objects th Customize this table Data Sources (Filtered - Hore Columns Exist) Generic Data Source GridLink Data Source GridLink Data Source FCUBS1138ranch New V Cester	Anne Log Out Preferences Cell Record Help Hone >Summary of JDBC Data Sources Configuration Monitoring A JDBC data source is an object bound to the JNOI tree that provides database co borrow a database correction from a data source. This page summarizes the JDBC data source objects that have been created in this Customize this table Data Source (Filered - Hore Columns Exist) Generic Data Source Generic FCLBS11Branch Generic New V Decle	A DBC Data Sources Summary 01 DBC Data Sources Summary 01 DBC Data Sources Configuration Monitoring A DBC data source is an object bound to the JNDI tree that provides database connectivity through a pool of JDBC connects Dorrw a database connection from a data source. Customize this table Data Source (Filtered - Hore Columns Exist) Vestomize this table Detei PCUSS 1138 ranch Generic Jdbc/figderOS Jd

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

Change Center	😭 Home Log Out Preferences 🔝 Record Help	Q	
View changes and restarts	Home >Summary of 2000 Data Sources >jdbc/fcjdevD5 >5	-Summary of JOBC Data Sources	
No pending changes exist. Click the Release Configuration button to allow others to edit	Create a New JDBC Data Source		
Lock & Edt	Back Next Finish Cancel		
Release Configuration	The following properties will be used to identify your	ur new JOBC data source.	
OFCPMMATW	Contraction of the second se		
Domain Partitions Demain Partitions Demain Partitions	What would you like to name your new JDBC data sour	urce?	
ErServices	d∰ * Name:	FLEXTEST.WORLD	
Data Sources Persistent Stores	What scope do you want to create your data source in	in ?	
Work Contexts	scope:	Cicobal •	
XML Entity Caches	🛃 JNDI Name:	A JOBLE JOBLE ?	
How do L.	FLEXTEST.WORLD		
Create JDBC generic data sources Create LLR-enabled JDBC data sources			
System Status	What database type would you like to select?		
Health of Running Servers as of 4:14 PM Failed (0)	Database Type:	Oracle	
Critical (0) Diverloaded (0) Warning (0)	[Finith] [Cancel]		
Dec(1)			



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

8. Click 'Next'.

The following screen is displayed:

Failed (0) Critical (0) Overloaded (0) Warning (0) OK (1)

ORACLE WebLogic Serve	Administration Console 12c				
Change Center	😰 Home Log OLE. Preferences 🚾 Record Help				
View changes and restarts	Home -Sormary of XXXC Data Sormar -pitochtghenOS -Skammary of XXXC 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 JOBC Data Source Back Next Finite Carcel JOBC Data Source Properties				
Domain Structure					
OCKINGATWA	Database Type: Onde Database Type: Onde What database drive would you like to use to reast database connections? hore: "Indicates that the driver is explicitly supported by Cracle WebLogic Server. Database Driver: "Oracle's Driver (Thin XA) for instance connections: Versions: Any Back, [Mext] [Finith] [Caecel]				
How do I					
Create JDBC generic data sources Create LLR-enabled JDBC data sources					
System Status	8				
Health of Dunning Servers as of d-13 DM					



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



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

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ORACLE WebLogic Serve	er [®] Administration Console		Q
Change Center	Home Log Out Preferences 🔤 Record H	elp Q	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 th domain.	Create a New JDBC Data Source		
Release Configuration	Connection Properties Define Connection Properties.		
Domain Structure	What is the name of the database you would like	e to connect to?	
fcubs113_domain B-Environment Deployments	Database Name:	KERDEV2	
E-Services	What is the name or IP address of the database	server?	
Data Sources Persistent Stores	Host Name:	10.10.10	
	What is the port on the database server used to	connect to the database?	
ML Entity Caches	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 create database connections?	
Surtam Statur	Password:	•••••	
Health of Running Servers	Confirm Password:		
Failed (0) Critical (0) Back Next Finish Cancel Output (0)			



11. Click 'Next'.

The following screen is displayed.

() • e http://127.0.01-7101/consol	le/console.portal?CreateGlobalIDBCDataS	ourcePortlet_actionOverride=/com/bea/console/actions/jdbc/dat	asources/cr 🔹 💽 47 🗶 🛐 Google 🖉 🔎
X D McMod /			
👷 Favorites 🛛 🎪 🔊 Web Slice Gallery	-		
Create a New JDBC Data Source - DefaultD	Iomain		🖄 * 🖾 🐨 📾 * Page * Safety * Tools * 🚱 *
	Administration Console		0
Change Center	Home Log Out Preferences 🐼 R	ecord Help	Welcome, weblogic Connected to: DefaultDomain
View changes and restarts	Home >Summary of JDBC Data Source		
Configuration editing is enabled. Future changes will automatically be activated as you	Create a New JDBC Data Source	periode a filteration	
Houry, and or object news in this coment.	Test Configuration Back Next	Enab. Cancel	
Jomain Structure	Test Database Connection		
B-Environment	Test the database availability and the	connection properties you provided.	
Deployments	What is the full package name of 3DBC	driver class used to create database connections in the connection pool?	
● Messaging ➡-J00C	(Note that this driver class must be in the	te classpath of any server to which it is deployed.)	
Data Sources Multi Data Sources Data Source Factories	Driver Class Name:	oracle jdbc OracleDriver	
Persistent Stores Foreign 3NDI Providers	What is the URL of the database to con	nect to? The format of the URL varies by JDBC driver.	
Coherence Clusters Work Contexts	URL	jdbc.oracle.thin@10.10.10	
tow do L_	What database account user name do	you want to use to create database connections?	
Create XXXC data sources	Database User Name:	FCPB1121	
Create LLR-enabled 308C data sources	What is the database account passwor	d to use to create database connections?	
ystem Status 🖂	Qiole: for secure password management	nt, enter the password in the Postword field instead of the Propieties fie	id below)
Health of Running Servers Failed (0)	Password:		
Critical (0) Overloaded (0) Warring (0)	Confirm Password:		
OK (1)	What are the properties to pass to the	JDBC driver when creating database connections?	
	Properties: user=FCFB1121		
	What table name or SQL statement wo	uld you like to use to test database connections?	

- 12. Specify the Driver Class Name (Eg: oracle.jdbc.OracleDriver)
- 13. Specify the URL.
- 14. jdbc:oracle:thin:@10.10.10.10.10:1001:<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 - fcu	bs113_domain - WLS Console - Windows Internet	Explorer	
🚱 🕢 👻 http://10.184.74.143:6666/c	onsole/console-portal?CreateGlobal308CDataSourcePortlet_acti	onOverride=/com/bea/console/actions/jdbc/datasources/createjdbcdataso	urceftest 🛩 🛃 🗙 Google Presered Pandoo Search 🔗
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Litek & Ede	Create a New JDBC Data Source		
Release Configuration	Test Configuration Back Next Finish Cance	<u>e</u>	
Demois Electron	Test Database Connection		
forball3 domain	Test the database availability and the connection prope	rbes you provided.	
@ Environment			
Deployments	what is the rull package name of sub-c priver class used i	to o eate database connections in the connection poor	
E Services	(Note that this driver class must be in the classporth of an	ry server to vilich it is deployed.)	
181-Messaging			
-Data Sources	Debuge Class Name		
Persistent stores	Driver Class name.	oracle_jdbc_OracleDriver	
-Work Contexts		THE DUP ME WE REAL TO MAKE THE ME	
-XML Registries	What is the URL of the database to connect to? The form	hat of the URL varies by JDBC driver.	
XML Entity Caches	1101 -		
JCOM	UNE.	jdbc oracle thin @10.10.10.	
Mal Sessions			
I FREIS	What database account user name do you want to use to	o create database connections?	
How do I	Database liser liame:		
Conte TRC annuls data an una	Cottobare over name.	FCPB1121	
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21.07070227272	Olote: for secure password management, enter the pass	mord in the Password field instead of the Properties field below)	
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Critical (0)	Confirm Password:	*********	
Ovenbaded (0)			
Warning (0)	What are the properties to pass to the JDBC driver when	I creating database connections?	
OK (2)	(management)		
in house and house	I Properties		
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ne			Uccal intranet 100% -

17. Click 'Next'.



The following screen is displayed:

	🖉 Create a New JDBC Data Source - fcul	s113_domain - WLS Console - Windows Internet Explorer	
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Dorball Survey Bit-Environment Dorball Survey Bit-Environment Dorball Survey Bit-Environment Postist Survey ImagedServer1 HanagedServer1 Back Image Final Cancel Muth Calches -Work Calches -Walk Environment -Walk Environment -Walk Environment ImagedServer1 Back ImagedServer1 </td <td>Release Configuration</td> <td>Select Targets You can select one or more targets to deploy your new JDBC data source. If you don't select a later time.</td> <td>a target, the data source will be created but not deployed. You will need to deploy the data source at</td>	Release Configuration	Select Targets You can select one or more targets to deploy your new JDBC data source. If you don't select a later time.	a target, the data source will be created but not deployed. You will need to deploy the data source at
Image: Provide Service Image: Provide	Fub 13 Jonain ▲ ⊕ Environment → Deployments ⊕ Genvices ⊕ Hessigning → Data Sources → Persign NDD Providers → Work Constants	Servers AdminServer AnagedServer1 Back Topped Concel	
Create UBC generic data sources Create LR enabled JDBC data sources System Status Paled (0) Faled (0) Critical (0) Critic	XML Registries XML Entity Caches 		
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Warning (0) OK (2)	Overloaded (0)		
ox (2)	Warning (0)		
	OK (2)		

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

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	N	New V			Showing 1 to 3 of 3 Previous Next		
Foreign JNDI Providers Work Contexts YMI Registries	E	🗖 Name 🐟	Туре	JNDI Name	Targets		
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Warning (0)							



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

Summary of JDBC Data Sources - fcu	bs113_domain - WLS Console - Windows	Internet Explorer				
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🚖 🏟 🌈 Summary of JDBC Data Sources -	fcubs113_domain			🏠 🔹 🔂 👘 🖶 🔹 🔂 Bage 🔹 🎯 Tgols 🔹		
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View changes and restarts Click the Lock & Edit button to modify, add or delete items in this domain.	Home >Summary of JDBC Data Sources Messages # All changes have been activated. No res	tarts are necessary.				
Lock & Edit	Summany of IDBC Data Sources					
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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		
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System Status E Health of Running Servers Faled (0) Critical (0) Overloaded (0) Werning (0) Ox (2)						

- **20.** The datasource has been created.
- **21.** Refer to "Resources_To_Be_Created.doc" for the list of XA datasources to be created.



7.2.1.3 Non-XA Enabled Data Source

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



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

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



3. Navigate to Oracle Weblogic home page.



The following screen is displayed:

Summary of JDBC Data Sources - fcub	s113_domain - WLS Console	e - Windows Internet Explorer	delenante antit del tores anot del del		
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- JCOM Mail Sections	FCU851138ranch	Generic	jdbc/fcjdevOS8ranch	ManagedServer 1	
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4. Expand 'Services' and then 'Data Sources' under it. Click 'Lock & Edit' button.

Change Center	🕼 Hame Jog Call Heferences 🖾 Record Help 🛛 🔍					Welcome, prainfra Connected to: OFCPMM	
View changes and restarts	Fore - Seminary of 30BC Data Sources	- State of the sta					
No pending changes exist. Click the Release	Summary of JDBC Data Sources						
Configuration button to allow others to edit the domain.	Configuration Monitoring						
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Release Configuration	A JOBC data source is an object bound to the JOCI tree that provides database connectivity through a pool of JOBC connections. Applications can look up a data source on the JOEI tree and then borrow a database connection from a data source.						
Iomain Structure	This page summarizes the JOBC data source	e objects that have been created in this dor	win,				
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F-Domain Partitions	P Customze this table						
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Data Sources	Generic Data Source	Turr	NDI News	Tarorts	Scourt	Demain Partitions	
Persistent Stores	Gridunk Deta Source						
mark Coreeves	Multi Deta Source	Qeneric	H2KTEST.WORLD	PMGTR2WL	Gobal		
- KHL Registries	Proxy Data Source	Generic	300cFgdev05		Global		
	UCP Data Source VIII	Geoenic	Jdsqfqdev65_XA	PHETR2WL	Gobal		
Vial Session	 Deficience 1187 	Generic	jdbc/fcjdev05		Gobal		
How de I	B 3dbcfcjdev05_TTP2	Generic	jdbo/fcjdev05	PHETR2WL	Gobal		
Pages ther second data second	🗐 jdbqfcjdex05_XA	Generic	jdsq/fcjdev06_X4		Gobal		
Create JDBC GridLink data sources	idbuffcjom8atchDS	Generic	jdx;fcjpmEatchDS	PMETR2WE	Globel		
Create 3080 multi data sources	jebutepreds_TRI	Generic	jdbq#cpmES		Gobal		
Create UCP data sources	jskyfcjpn05_fTR2	Generic	jdx/lcjpm05	PHETR2WL	Global		
Create Proxy data sources	jtbs/fc/scheduler05	Generic	jdx/fcj5cheduler05	PHETR2WL	Global		
System Status	jobufcjscheduleros_this	Generic	jdu;fcjSchedulerD5_(TR1	OFCRMITRING	Global		
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	Trace Advancement Community	- Anones	A stopp traiping			10000000000000000000000000000000000000	
Falled (0)	New Centre					Stoking 1 to 13 of 13 Prevanue New	

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

ORACLE WebLogic Server A	dministration Console 12c	
Change Center	🔒 Home Log Out Preferences 🐼 Rec	ord Help
View changes and restarts	Home SSummary of 3080 Data Sources sjift	c/hjdn/05 >Summary of JDDC Data Sources
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JDBC Data Source (Back) Next) Finith Cancel JDBC Data Source Properties	
Demain Cauchara	 The following properties will be used to Toricrates concircut fields 	identify your new JUBC data source.
operation of the second	Supplies (physics (physics)	
Domain Partitions Benvironment Depresente	What would you like to name your new 30	8C data source?
Services Messaging Data Scarres	(E) * Name:	jelbolfojde/DS
Persistent Stores Foreign JNDI Providers Work Contexts	Scope;	Global •
XML Registries XML Endty Caches 	What INDE name would you like to assign	to your new 106C Data Source?
	idbc/fcidev0s	
How do I	lo sector contractions	
Create JDBC generic data sources Create LLR-enabled JDBC data sources		
System Status	What database type would you like to sel	et?
Health of Running Servers as of 4:13 PM	Ostabaca Tanas	
Failed (0) Critical (0) Overloaded (0) Warning (0)	Such Mest Frish Cancel	UB216 •

6. Specify the following details:

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



7. Click 'Next'.

ORACLE WebLogic Serve	r Administration Console 12c
Change Center	A Hume Log Out Preferences 🗠 Record Help
View changes and restarts	Hane >Summary of 208C Data Sources >;ptoc/ft/devDS >Summary of 208C Data Sources
No perding changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Reinase Configuration	Create a New JDBC Data Source Bock Next Finish Cancel JDBC Data Source Properties
Domain Structure	The reasoning projectives will be used to identify your new subsection.
OPCRMATIVL R*-Donain Partitions R*-Chursoment Doppoments B*-Hexegang Hexegang Hexestance Resident Stores - Foreign 3005 Providers - Misk Castlesis 305, Registrice 305, Registrice 305, Belgistrice 305, Belgistrice 3	Database Type: Oracle What database driver would you like to use to create database connections? Note: * indicates that the driver is explicitly supported by Oracle WebLagic Server. Database Driver: * Oracle's Driver (Thin) for Instance connections: Versions: Any Back Back Inext The database driver (Thin) for Instance connections: Versions: Any
How do L.	8
Create JDBC generic data sources Create LUR-enabled JDBC data sources	
System Status	8
Health of Running Servers as of 4:13 PM	
Failed (0) Critical (0) Overloaded (0) Warning (0) 06(1)	

8. Select the database driver as shown in the figure. Ø[¦ÁÚæ̂ { ^} o ÁU} |ð] ^Åsææ•[č ¦&^ÉA ﷺ@&\ÁÙč]][¦ơŐ|[àæþÁ/¦æ) •æ&að[} •a‰) åÁ ^|^&ơÁŠ[**ð] * ÁŠæ•aŰ^•[č ¦&^aA

WebLogic Server A	ammaganon console 12c
Change Center	🔞 Hame Log Out Preferences Mr Record Help
View changes and restarts	Koner-Summary of 2085; Dale Sources-sylds/EpilenCS-silammary of 2085; Dale Sources
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & East Release Configuration	Create a New JDBC Data Source [bbck] Next [Frank] Cancel Transaction Options
Domain Structure Occ39842101, A Pi-Domain Particitors Bi-Spracent Dedogments Bi-Spracent Piets Spracent Piets Spracent	Toolstare services in poor global transactions? If yes, please choose the transaction protocol for this data source.
Mel Sector	One-Phase Commit
Create UR-enabled JDBC data sources Create UR-enabled JDBC data sources	Deck Vent Frint Carcel
System Status	
Health of Running Servers as of 4:20 PM	
Failed (0) Critical (0) Currinaded (0) Warning (0) Circl (1)	



9. For other datasources, click 'Next'. The following screen is displayed:

View changes and restarts	Home >Summary of 2080 Data Sources >RENTEST.WORLD >	Sammary of 10BC Data Sources
No pending changes exist. Click the Release	Create a New JDBC Data Source	
Configuration button to allow others to edit the domain.	Back Next Print Carcel	
Release Configuration	Connection Properties Define Connection Properties.	
Domain Structure	What is the name of the database you would like to conne	er 10)
JECRMMATWL B-Consen Partitions R-Environment	- Database Name:	FC122PM
Deployments Bi-Services R-Netsanno	What is the name or 3P address of the database server?	
Data Sources Persistent Stores	Host Name:	10.10.10.10
- Fareign JNDI Providers Work Contexts	What is the port on the database server used to connect t	n the database?
XML Repistnes XML Britty Caches	Port:	1010
- Nel Geratan	What database account user name do you want to use to	create database connections?
Now do L.	Database User Name:	OFCPM123MAT
Create LIR-enabled 108C data sources	What is the database account password to use to create o	bitabase connections?
System Status	B Password:	1000000000
realth of Running Servers as of 5:01 PM	Confirm Password:	The second se
Faled (0) Critical (0)	Additional Connection Properties:	
Viaming (0) OK (1)	oracle.jdbc.DRCPConnectionClass:	
	Back Next Finh	

- 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.

Configuration button to allow others to edit the domain.	Test Configuration Back Next	Prink Cannal
Lock & Edit	Treast And Andreast Treast	LINERAL CONTRACT
Release Configuration	Test Database Connection Test the database availability and the	connection properties you provided.
Domain Structure	What is the full package name of IDBC	driver class used to create database connections in the connection rood?
P-Domain Partitions	(Note that this driver class must be in t	he classpath of any server to which it is deployed.)
Deployments D-Services B-Messacing	Driver Class Name:	oracle jdbc. OracleDriver
Data Sources Persistent Stores	What is the URL of the database to con	net to? The format of the URL varies by JDBC driver.
- Foreign JNDC Providers Work Contexts	URL:	jdbc: oracle: thin:@ 10.10.10.1010 FC 122PM
Will, Registries	What database account user name do y	nou want to use to create database connections?
Mail Sessions	Database User Name:	OFCPM123MAT
How do I	What is the database account nansure	t hu una ha reasta fatabasa reapartismo?
Create 3DBC generic data sources Create LLR-enabled 3DBC data sources	(Notes for secure password management	is not be determined and the second
System Status 🛛	Password:	
Health of Running Servers as of 4:21 PM Failed (0)	Confirm Password:	
Critical (0) Overloaded (0)	What are the properties to pass to the	208C driver when creating database connections?
OK(1)	Properties:	
UNIT	user=OFCPM123MAT	
	The set of driver properties whose value System Properties:	es are denued at nurtime from the named system property.

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.

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 3DBC Data Source	
Release Configuration	Test Configuration Back Next Finish Cance	1
Domain Structure	Test Database Connection	
DECEMMATIVE.	Test the database availability and the connection propert	ies vou struided.
Domain Partitions Environment Deployments Senters D: Neccoging Cote Sources	What is the full package name of 30BC driver class used to (Netre that this driver class must be in the classpath of any Primer Class Name:	Instant database connections in the connection pool?
Persistent Stores	0	acie jabc. OracleOnver
Work Contexts	What is the LRL of the database to connect to? The forma	t of the URL varies by 2060 driver.
XML Entity Caches	URL: jd	bc: oracle; thin:@10.10.10.10.10.10.10.122PM
1 1. Mail Seconds	What database account user name do you want to use to o	veate database connections?
iow do I	Database Liser Namer	PARAMAT
Create JOBC generic data sources		(UPM122004)
Create U.R-enabled 3080 data sources	What is the database account password to use to create d	stabase connections?
Catalog and a second	Note: for secure password management, enter the passw	ord in the Password held instead of the Properties held below)
special scalars		
reacts or southing pervers as or 1923 219	Password:	
Failed (0)		
Overloaded (0) Warning (0)	Confirm Password:	
ok(1)	What are the properties to pass to the JDBC driver when c	resting database corrections?
	Properties:	
	USEP-OFCPHILIDIAT	



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





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

Sammary of Store value sould des - 10	005115_001	name we console withows internet is	protei			
Http://10.184.74.143:8888	Key http://10.184.74.143:8888/console/console.portal?_nfpb=true&_pageLabel=Global1DBCDataSourceTablePage					
ie Edit View Favorites Iools Help McAfee' /						
🕸 🖉 Summary of JDBC Data Sources	- fcubs113_do	main			🏠 🔹 🔝 👘 🖶 🔹 🔂 Bage 🔹 🍈 Tools	
DRACLE WebLogic Serve	r® Administr	ration Console			Q	
ange Center	Hor	me Log Out Preferences 🔤 Record Help	Q	v	Velcome, weblogic Connected to: fcubs113_doma	
ew changes and restarts	Home	>Summary of JDBC Data Sources				
nding changes exist. They must be activated take effect.	5 Summa	ary of JDBC Data Sources				
A Anti-sta Channes	Config	guration Monitoring				
-Services -MessagingData SourcesDevictors Charge	Data	Sources (Filtered - More Columns Exist)			Showing 1 to 3 of 3 Previous Next	
Persistent Stores Foreign JNDI Providers	Nev	N 🗙 Delete				
Work Contexts		Name 🗇	Туре	JNDI Name	Targets	
XML Registries		FCUBS113	Generic	jdbc/fcjdevDS	ManagedServer 1	
JCOM					11 In 1	
		FCUBS113Branch	Generic	Jabo/rcjaev/JSBranch	ManagedServer1	
	5 0	FLEXTEST.WORLD	Generic	FLEXTEST.WORLD	AdminServer	
Create 10BC generic data sources	Nev	NY Delete			Showing 1 to 3 of 3 Previous Next	
Freate JDBC GridLink data sources						
Ireate JDBC multi data sources	-					
Jelete JDBC data sources						
Jelete JDBC multi data sources						
stem Status						
alth of Running Servers						
Failed (0)						
Critical (0)						
Overloaded (0)						
Warning (0)						

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



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

🖉 Summary of JDBC Data Sources - fcu	ibs113_do	main - WLS Console - Wind	iows Internet Explorer						
🚱 🗸 🔊 http://10.184.74.143:8888/	console/cons	ole.portal?_nfpb=true&_pageLabe	el=http://10.184.74.143:8888/consc	le/console.portal?_nfpb=true&_pageLabel=Globa	IJDBCDataSourc 💌 🐓 🗙 Google Powered Pandion Search 🛛				
Ele Edit View Favorites Iools Help									
👷 🏟 🌈 Summary of JDBC Data Sources -	🟠 🔹 🔂 👘 🖶 📴 Bage 🔹 🎡 Tgols								
ORACLE WebLogic Server	Adminis	tration Console			Q				
Change Center	в	ome Log Out Preferences 🔤 R	Lecord Help	Q	Welcome, weblogic Connected to: fcubs113_domain				
View changes and restarts Click the Lock & Edit button to modify, add or delete items in this domain.	Hom Messa	e >Summary of JDBC Data Souro Iges II changes have been activated. N	ies No restarts are necessary.						
Lock & Edit	Summ	ary of JDBC Data Sources							
	Conf	iguration Monitoring							
Persistent Stores —Foreign 3NDI Providers —Work Contexts —XML Registries —XML Entity Caches —XML Entity Caches —YCOM	Data Sources (Filtered - More Columns Exist) Click the Lock & Editbutton in the Change Center to activate all the buttons on this page. New yr Delete Showing 1 to 3 of 3 Previous New yr								
File T3		Name 🔗	Туре	JNDI Name	Targets				
How do I		FCUBS113	Generic	jdbc/fcjdevDS	ManagedServer 1				
Create JDBC generic data sources] FCUBS113Branch	Generic	jdbc/fcjdevDSBranch	ManagedServer 1				
Create JDBC GridLink data sources Create JDBC multi data sources		FLEXTEST, WORLD	Generic	FLEXTEST. WORLD	AdminServer				
Delete JDBC data sources	Nevv Delete Showing 1to 3 of 3 Previous Next								
Delete JDBC more data sources	_								
System Status E Health of Running Servers Failed (0)									
Critical (0)									
Overloaded (0)									
Warning (0)									

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



Channes Cambon	Home Log Out Pret	ferences [Record	Heln			Q		Welcome, weblogic Connected to: Default		
Lnange Center									of IDBC Data Source: vicideuDS > Surcesour of IDBC Data Source: vicideuDS		
fiew changes and restarts	Home > Summary or Ser	Thes. Jobs	, > Junnary (5 5000 Dai	Thesi Jobe > Johning	o souce data sources singles of sources and a sources singles of					
Configuration editing is enabled. Future Se hanges will automatically be activated as you	Settings for fcjdevDS										
modify, add or delete items in this domain.	Configuration Targ	gets Mor	nitoring C	ontrol S	ecurity 1	lotes					
Domain Structure	General Connectio	on Pool	Transaction	Diagnos	stics Iden	ntity Opt	ons				
efaultDomain											
Environment	Save										
Deployments D-Services											
B-Messaging	The connection pool w	vithin a JDB	C data source	e contains	a group of	JDBC co	nections that app	pplications reserve, use	, and then return to the pool. The connection pool and the connections		
⊕-jDBC											
Persistent Stores	Use this page to define the configuration for this data source's connection pool.										
Coherence Clusters											
Work Contexts	街 URL:		jdbc:or	acle:oci:	@10.10.1	0.10:10	10:CPU11G2		The URL of the database to connect to. The format of the URL varies by		
XML Registries			01100						JUDC Onver. More Info		
XML Entity Caches	🛱 Driver Class Nam	ne:	oraclo	idhe Ora	cloDrivor				The full package name of JDBC driver class used to create the physical		
			uracie.jubc.OracieDriver						 database connections in the connection pool. (Note that this driver class 		
									Info		
low do I	-										
Create JDBC data sources	Properties:					-			The list of properties passed to the JDBC driver that are used to create physical database connections. For example: server=dbserver1. List each		
Configure testing options for a JDBC data	user=FC1202tun	ne							property=value pair on a separate line. More Info		
Source											
connection pool											
Configure credential mapping for a JDBC data											
source						2					
System Status	🔄 Password:		•••••						The password attribute passed to the JDBC driver when creating physical		
Health of Running Servers									database connections. More info		
	Confirm Password:		•••••								
Failed (0)											
Critical (0)	Initial Capacity:		1						The number of physical connections to create when creating the connection		
Overloaded (0)			1						pool. More Info		
Warning (0)											
OK (1)	Maximum Capacity:	15						The maximum number of physical connections that this connection pool can contain. More Info			
	Constitution and								The state of the s		
	capacity increment		1						connection pool. More Info		
[-		_					The sleerithm used for maintaining the prenared statements stored in the		
	and Statement Cache	e rype:	LRU	•					statement cache. More Info		
	Etatomont Cast - Ch	7.01	F222						The sumber of accessed and callable statements stared in the surface of		
	statement cache St	26:	200						may increase server performance.) More Info		
-	Advanced								5 5 9 9		
	Save										

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

Note the following

- You need to create another data source for Oracle FCpayments with the JNDI name '<Non-XA FCUBS HOST JNDI name>_ASYNC' for batch process. For example, if the Oracle FCUBS HOST Non XA data source JNDI name is 'jdbc/fcjdevDS', then you need to create another data source for FCUBS with the JNDI name 'jdbc/fcjdevDS_ASYNC'.
- While creating a branch using the 'Branch Parameters Maintenance' (STDBRANC) screen, if you have created a data source for the branch, then you need to create a corresponding ASYNC data source with the JNDI name '<Non-XA FCpayments BRANCH JNDI name>_ASYNC'.

7.2.2 JMS Server Creation

Follow the steps given below:

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



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

Following screen is displayed:

He Edit Yew History Bookmarks Tools Help		
🔇 🔍 🕈 🕻 📩 http://10.10.10.101/console/login/LoginForm.jsp	🔶 - 🚺 - Google	Q
🧟 Most Visited 📋 Aria 🚡 Account Request 🛅 CRM Tickets 📄 My Oracle 📄 Network Request 🛅 Software		
🗋 Oracle WebLogic Server Administrati		10
ORACLE WebLogic Server Administration Console 12c		
	Welcome Log in to work with the Welclogic Server domain Username:	
	Password:	Logn

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


→ E http://10.184.74.143:8888	/console/console.portal?_nfpb=true&_pageLabel=HomePage1		V 😽 🗙 Google Powered Pandion Search
le Edit View Favorites Tools Help McAfee			
🎓 🍘 Home Page - fcubs113_domain	- WLS Console		🐴 🔹 🔝 👘 👘 🖓 Eage 🔹 🎯 Tools
	r [®] Administration Console		<u> </u>
hange Center	Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: fcubs113_domai
/iew changes and restarts	Home		
lick the Lock & Edit button to modify, add or	Home Page		
elete items in this domain.	- Information and Resources		
Lock & Edit	Helpful Tools	General Information	
	Configure applications	Common Administration Task Descriptions	
	Configure GridLink for RAC Data Source	Read the documentation	
omain Structure	 Recent Task Status 	 Ask a guestion on My Oracle Support 	
ubs113_domain B-Environment	Set your console preferences	Oracle Guardian Overview	
- Deployments	- Domain Configurations		
Services	Domain Comparations		
Security Realms	Domain	Services	Interoperability
Diagnostics	Domain	Messaging	WTC Servers
		 JMS Servers 	 Jolt Connection Pools
	Environment	 Store-and-Porward Agents JMS Medulos 	222 11 203
	Servers	JMS Modules Dath Convices	Diagnostics
	Clusters	Bridger	Log Files
	Virtual Hosts	= bridges	Diagnostic Modules
	Migratable Largets	Data Sources	Diagnostic Images
ow do I	Coherence Servers	Persistent stores	Request Performance
Search the configuration	Coherence Clusters	XML Registries XML Earthur Cardinal	Archives
Use the Change Center	Machines More Managere	Foreign 10DI Providens	• Context
Record WLST Scripts	Work Managers Short-on And Shutdawa Classes	Work Contexts	• SIMP
Change Console preferences	Startup And Shotoomi Classes	• 100M	Charte and Graphs
Monitor servers	Your Deployed Resources	Mail Sessions	Monitoring Dashboard
	Deployments	FileT3	Balan Adalah Angertan Angertan Sana Sana Sana Sana Sana Sana Sana S
ystem Status		• JTA	
ealth of Running Servers	Your Application's Security Settings		
Failed (0)	Security Realms		
Critical (0)			
Overloaded (0)			
Warning (0)			
training (o)			

4. Following screen is displayed:



C Summary of JMS Servers - fcubs113_	domain - WLS Console - Windows Internet Explorer			
G + E http://10.184.74.143:8888/o	nsole/console.portal?_nfpb=true&_pageLabel=JmsServerJMSServerTablePa	ge	🖌 🛃	Google Powered Pandion Search
Ele Edit View Favorites Iools Help McAfee /				
🚖 🕸 🏾 🍘 Summary of JMS Servers - fcubs1	3_domain - WLS C		<u>۵</u>	• 🔝 - 🖶 • 🔂 Bage • 🎯 Tgols •
	Administration Console			Q
Change Center	🙆 Home Log Out Preferences 🔤 Record Help	Q	Welcome, v	veblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary	of JHS Servers		
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of JMS Servers			
Lock & Edit Release Configuration	JMS servers act as management containers for the queues and topics This page summarizes the JMS servers that have been created in the	in JMS modules that are targeted to them. current WebLogic Server domain.		
Domain Structure	Customize this table			
fcubs113_domain				
to Environment	JMS Servers (Filtered - More Columns Exist)			
P-Services	Click the Lock & Edit button in the Change Center to activate all the	buttons on this page.		
E-Messaning				
JMS Servers				Showing 0 to 0 of 0 Previous Next
			1	
JMS Modules	Name 💫 Persistent Store	Target	Current Server	Health
Path Services		_		
🕀 Bridges		There are no items to display		
Data Sources				Showing 0 to 0 of 0 Previous Next
Persistent Stores	Transmitter Contraction			-
-Work Contexts				
Work contexts	· · · · · · · · · · · · · · · · · · ·			
How do I				
· Canfer on MC annual				
Configure and servers				
 Configure JMS system modules 				
System Status				
Health of Running Servers				
Failed (0)				
Critical (0)				
Cupring day (0)				
Weinlaged (0)				
vvarning (u)				
OK (2)				

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

C Summary of JMS Servers - fcubs113_d	omain - WLS Console - Wind	lows Internet Explorer					
	sole/console.portal?_nfpb=true&_p	ageLabel=JmsServerJMSServerT	ablePage		🖌 🛃	Google Powered Pandion Search	P -
Ele Edit View Favorites Iools Help							
🚖 🏟 🌈 Summary of JMS Servers - fcubs113	_domain - WLS C				6	• 🖾 - 🖶 • 🔂 Bage • (🕽 Tools 🔹 🂙
ORACLE WebLogic Server®	Administration Console						<u>o</u>
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 >Sun	mary of JMS Servers				
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Summary of JHS Servers						
Lock & Edit Release Configuration	2MS servers act as management containers for the queues and topics in 2MS modules that are targeted to them. This page summarizes the 3MS servers that have been created in the current WebLogic Server domain.						
Domain Structure	Customize this table						
fcubs113_domain	JMS Servers (Filtered - Me	ore Columns Exist)					Neut
P-Services	New Delete					Showing o to o oi o Previdus (next
	🔲 Name 🗠	Persistent Store		Target	Current Server	Health	
Store-and-Forward Agents			There	are no items to display			
Path Services ⊞-Bridges	New. Delete					Showing 0 to 0 of 0 Previous	Next
Data Sources							
Foreign JNDI Providers							
1 P-Work Contexts							
How do I							
Configure JMS servers							
Configure JMS system modules							
System Status							
Health of Running Servers							
Falled (0)							
Critical (0)							
Overloaded (0)							
Warning (0)							
OK (2)							



6. Click 'New'.

Create a New JMS Server - fcubs113_	domain - WLS Console - Windows Internet Explorer	
😋 💽 👻 🖻 http://10.184.74.143:8888/co	nsole/console.portal?_nfpb=true&_pageLabel=JmsServerCreateJMSServer&UmsServerCreateJMSServerPortlet_actionOverride=/com/bea/consol	ley 😪 😽 🗙 🛛 Google Powered Pandion Search 🛛 🔎 🔹
File Edit View Favorites Tools Help		
😭 🏟 🌈 Create a New JM5 Server - fcubs11	13_domain - WLS C	🏠 • 🔝 - 🖶 • 🔂 Page • 🎯 Tools • '
ORACLE WebLogic Server®	Administration 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 >FLEXTEST.WORLD >Summary of JMS Servers	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JHS Server Book Finish Cancel JHS Server Properties The follow rought and the start for some new TWS Cancer	
Domain Structure	* Indicates required fields	
fcubs113_domain Denvironment Deployments	What would you like to name your new JMS Server?	
Services	ag "trame: FCUBS_JMSServer Speafy persistent store for the new JMS Server.	
Path Services Brendges ™Data Sources	Persistent Store: (none) Create a New Store	
Persistent Stores Foreign JNDI Providers Work Contexts		
How do I		
Configure JMS system modules Configure custom persistent stores		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
UK (2)		

7. Specify the following details:



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

Create a New JMS Server - fcubs113_	domain - WLS Console - Windows Internet Explorer	
G - E http://10.184.74.143:8888/co	nsole/console.portal?JmsServerCreateJMSServerPortlet_actionOverride=/com/bea/console/actions/jms/server/createjmsserver/newStore	Google Powered Pandion Search
Ele Edit View Favorites Iools Help		
😭 🏘 🌈 Create a New JMS Server - fcubs11	13_domain - WLS C	🏠 • 🔝 - 🖶 • 🔂 Bage • 🎯 Tgols • '
ORACLE WebLogic Server®	Administration Console	Q 4
Change Center	🔒 Home Lag Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New JHS Server Buck France Select a store type.	
Kelease configuration	Please select the type of store you wish to create from the list.	
Domain Structure Fickel113 John Brenvoament Drearvoament Drearvoament <td>Type: File Store Cancel</td> <td></td>	Type: File Store Cancel	
Configure JMS system modules		
Configure custom persistent stores		
System Status		
Health of Running Servers		
Paled (0) Critical (0) Overloaded (0) Warning (0) OK (2)		

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

Following screen is displayed:

ORACLE WebLogic Server A	Administration Console 12c	
Change Center	🏠 Home Log Out Preferences 🔛 Record Help	Welco
View changes and restarts	Home >Summary of Security Realms >Summary of Pensistent Stones >FCUBSFlieStone >Summary of Pensistent Stones	
No pending changes exist. Click the Rolease Configuration button to allow others to edit the domain.	Create a New Yile Store Biok Net Presk. Genet	
Lock & Edit	File Store Properties	
Release Configuration	The second responses	
Direct direction	The following properties will be used to identify your new file store.	
Domain Structure		
Opmain Partitions Presented in the second	What would you like to name your new file store?	
Deployments Services Filmessaning	"Name: FiloStora-0	
- Data Sources	What scope do you want to create your jms file store in ?	
Persistent Stores Foreign JNOI Providers Work Contexts	Scape: Global	
XML Registries	The pathname to the directory on the file system where the file store is kept. This directory must exist on your system, so be sure to create it before completing this tab.	
-JCOM V Mull Sension	Directory: C./FCUBS_FileStore ×	
How do L.	B Bock Next Finan Cancel	
Create File Stores		
Monitor persistent stores		
System Status	8	
Health of Running Servers		
Failed (0) Critical (0) Cvertical(0) Wenning (0)		
0K(2)		

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



• Click 'OK'.

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

Create a New JMS Server - fcubs113_	domain - WLS Console - Windows Internet Explorer	
🚱 🗣 🖻 http://10.184.74.143:8888/co	nsole/console.portal?JmsServerCreateJMSServerPortlet_actionOverride=/com/bea/console/actions/jms/stores/createjmsfilestore/finish	Google Powered Pandion Search
Ele Edit View Favorites Iools Help McAfee /		
😭 🏟 🌈 Create a New JMS Server - fcubs11	13_domain - WLS C	🏠 🔹 🔂 👘 🖶 🐑 Bage 🔹 🎯 Tools 🔹
ORACLE WebLogic Server®	Administration Console	Q
Change Center	Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts Pending changes exist. They must be activated to take effect.	Hone Summary of JOBC Data Sources >PLEXTEST.WORLD >Summary of JHS Servers Hessages # File store created successfully.	
Activate Changes Undo All Changes	Create a New JH5 Server	
Domain Structure	JMS Server Properties	
fcubs113_domain	The following properties will be used to identify your new JMS Server , * Indicates required fields	
Hessaging JMS Servers Store-and-Forward Agents JMS Modules	What would you like to name your new 3/K5 Server? Comparison of the server ser	
Path Services Data SourcesPersistent StoresForeign JNDI Providers	Speafy persistent store for the new JMS Server. Persistent Store: FCUBS FileStore Create a New Store	
How do I	Brok Next Finah Cancel	
Configure JMS system modules Configure custom persistent stores		
System Status		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
OK (2)		

11. Click 'Next'.



Create a New JMS Server - fcubs113_c	Iomain - WLS Console - Windows Internet Explorer	
	sole/console.portal?JmsServerCreateJMSServerPortlet_actionOverride=/com/bea/console/actions/jms/server/createjmsserver/selectTargets	🖌 🔄 K Google Powered Pandion Search
Ele Edit View Favorites Iools Help		
😭 🏟 🌈 Create a New JMS Server - fcubs11	3_domain - WLS C	🏠 🔹 🔝 👘 🍁 🔛 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	
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.	
Flubs113_domain Image: Contrast in the sequence of the sequence	Target: MonopedServer()	

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

C Summary of JMS Servers - fcubs113_	domain - \	WLS Console - Windows Intern	et Explorer			
G + E http://10.184.74.143:8888/co	🕘 🕤 👻 http://10.184.74.143:8888/console/console.portal?_nfpb=true&_paget.abel=_JmsServerJMSServerTablePage					Powered Pandion Search
Eile Edit View Favorites Tools Help						
🙀 🏟 🍘 Summary of JMS Servers - fcubs11	13_domain - V	WLS C			<mark>∆</mark> • ⊠	- 🖶 • 🔂 Page • 🍈 Tools • *
ORACLE WebLogic Server®	Administ	tration Console				Q 4
Change Center	Hor	ome Log Out Preferences 🐼 Record	Help		Welcome, weblogic	Connected to: fcubs113_domain
View changes and restarts	Home	e >Summary of JDBC Data Sources >FLEX	TEST.WORLD >Summary of JMS Serv	ers		
Pending changes exist. They must be activated to take effect.	Messag Ø JV	ges MS Server created successfully				
Activate Changes	Summa	ary of JMS Servers				
Undo All Changes						
	JMS :	servers act as management containers	for the queues and topics in JMS mod	ules that are targeted to them.		
Domain Structure	This ;	page summarizes the JMS servers that	have been created in the current Wel	oLogic Server domain.		
tcubs113_domain						
Deployments	Cust	tomize this table				
E-Services						
Er-Messaging	JMS	Servers (Filtered - More Columns	Exist)			
Store-and-Forward Agents	Nev	W Delete			Show	ing 1 to 1 of 1 Previous Next
JMS Modules Path Services		Name 🗠	Persistent Store	Target	Current Server	Health
Data Sources		FCUBS_JMSServer	FCUBS_FileStore	ManagedServer1	ManagedServer1	
Foreign JNDI Providers Work Contexts	Nev	W Delete			Show	ing 1 to 1 of 1 Previous Next
How do L.,	i —					
Conference Ballion						
Configure JMS servers Configure JMS system modules						
Configure 5h5 System modules	J					
System Status	1					
Health of Running Servers						
Failed (0)						
Critical (0)						
Overloaded (0)						
Warping (0)						
OK (2)						

13. The message 'JMS Server created successfully' is displayed.



14. Click 'Activate Changes' under Change Center. The message 'All changes have been activated. No restarts are necessary' is displayed.

7.2.3 JMS Modules Creation

Follow the steps given below:

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

The following screen is displayed:

🖉 JMS Modules - fcubs113_domain - WLS	S Console - Windows Internet Explorer				
() - E http://10.184.74.143:8888/con	isole/console.portal?_nfpb=true&_pageLabel=JmsModulesTablePage	🖌 😽 🗙 🛛 Google Powered Pandion Search 🛛 🔎 🔹			
Ele Edit View Favorites Iools Help					
😭 🏟 🏉 JMS Modules - fcubs113_domain - W	VLS Console	🏠 • 🔂 - 🚔 • 🔂 Bage • 🎯 Tgols • 🍟			
ORACLE WebLogic Server®	Administration Console	Q 🧉			
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain			
View changes and restarts	Home »Summary of JDBC Data Sources »FLEXTEST.WORLD »Summary of JMS Servers »Summary of JDBC Data Sources	es >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	JMS system resources are configured and stored as modules similar to standard JZEE modules. Such resources in distributed queues, distributed topics, foreign servers, and JMS store and forward (SAF) parameters. You can a resources.	clude queues, topics, connection factories, templates, destination keys, quota, diministratively configure and manage JMS system modules as global system			
Domain Structure	This page summarizes the unit system modules that have been created for this domain.				
fcubs113_domain	IP Customize this table				
D-Services	JMS Modules				
	Click the Lock & Editbutton in the Change Center to activate all the buttons on this page.				
Store-and-Forward Agents		Showing 0 to 0 of 0 Previous Next			
Path Services	Name &	Type			
Data Sources	These we as itsue to dealer				
Persistent Stores	There are no items to display				
-Work Contexts		Showing U to U of U 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)					
UK (2)					



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

🖉 JMS Modules - fcubs113_domain - Wl	S Console - Windows Internet Explorer	
🚱 🕤 👻 http://10.184.74.143:8888/co	nsole/console.portal?_nfpb=true&_pageLabel=http://10.184.74.143:8888/console/console.portal?_nfpb=true&_pageLa	abel=JmsModulesTablePage 🌱 🐓 🗙 Google Powered Pandion Search 🖉 🖉
Ele Edit View Favorites Iools Help • McAfee -		
🔆 🏟 🍘 IMS Modules - fcubs113_domain -	WLS Console	🟠 🔹 📾 🔹 🖶 Bage 🔹 🎯 Tgols 🔹
ORACLE WebLogic Server®	Administration Console	Q
Change Center	🔒 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Source	is >FLEXTEST.WORLD >Summary of JMS Servers > JMS Modules
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	JHS Modules	
Lock & Edit	3MS system resources are configured and stored as modules similar to standard JZEE modules. Such resources in distributed queues, distributed topics, foreign servers, and 3MS store-and-forward (SAP) parameters. You can ad resources.	clude queues, topics, connection factories, templates, destination keys, quota, iministratively configure and manage JMS system modules as global system
	This page summarizes the JMS system modules that have been created for this domain.	
Domain Structure		
fcubs113_domain	Customize this table	
Deployments	JMS Modules	
-Services		
Messaging	New Lecte	Showing 0 to 0 of 0 Previous Next
TTJMS Servers		
- INS Modules	L name 🕫	туре
Path Services	There are no items to display	
⊕-Bridges	Naw, Belde	Showing 0 to 0 of 0 Desvious Next
Data Sources	INC. I	showing o to o or o Previous (next
Persistent Stores		
Work Contexts		
How do L		
 Configure JMS system modules 		
Configure resources for JMS system modules		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
vvaining (u)		
UK (2)		

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

🕒 💽 👻 🖻 http://10.184.74.143:8888/co	nsole/console.portal?CreateJMSSystemModulePortletret	eturnTo=JmsModulesTablePage&JmsModulesTablePortlethandle=cor	m.bea.console.handles. J 🔽 😽 🗙 🛛 Google Powered Pandion Search 🛛 🔎
Ele Edit View Favorites Iools Help © McAfee: /			
🔶 🏟 🌈 Create JMS System Module - fcubs	113_domain - WLS		🖄 🔹 🔂 👘 🖶 🖓 Bage • 🎯 Tools •
ORACLE WebLogic Server®	Administration Console		Q
Change Center	🙆 Home Log Out Preferences 🔤 Record Help	elp Q	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.	T.WORLD >Summary of JMS Servers >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.	Create JHS System Hodule Back Next Finish Cancel		
Release Configuration	The following properties will be used to ide JMS system resources are configured and stored distributed queues, distributed tooics, foreion set	dentify your new module. Id as modules similar to standard JZEE modules. Such resources inclu ervers, and JMS store-and-forward (SAF) parameters. You can adm	de queues, topics, connection factories, templates, destination keys, quota, inistratively configure and manage IMS system modules as global system
frubs113 domain	resources.	e res) and s is take and formal a (only parameters) for car sam	
D-Environment Deployments	" Indicates required fields		
E-Messaging	What would you like to name your System Module	e?	
JMS Servers Store-and-Forward Agents JMS Modules	* Name: FCU	JBS_SystemModule	
Path Services	What would you like to name the descriptor file nar	ame? If you do not provide a name, a default will be assigned.	
Data Sources Persistent Stores Enreign INDI Providers	Descriptor File Name: FCU	JBS_SystemModule	
Work Contexts	Where would like to place the descriptor for this Sy	System Module, relative to the jms configuration sub-directory of yo	ur domain?
How do I	Location In Domain:		
Configure JMS system modules			
Configure JMS servers	Back Next Finish Cancel		
System Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			



Enter the System Module Name as FCUBS_SystemModule.

Enter the Description File Name as FCUBS_SystemModule.

4. Click 'Next'.

The following scree	en is displayed.	
Create JMSSystem Module fcubs11.	domam WLS Console Wmdows Internet Explorer	X
UJ @ • j1jhttp:IJIO,i84.74.143:8668/c/	$\label{eq:censole_portal} \end{tabular} \end{tabular} transforms transforms transforms the transformation of transformat$	X IGt»'jtePoweredP¥Jdlo:fiSNrch
Ec fdit EljöQrite'l Iools He Iri14iMI -		
🚖 🎄 🌈 Create JMS System Module - fcubs	s113_domain - WLS	
ORACLE Weblogic Server-	- Adm ini 1 tration Con 1 ole	Tools •
Change Center	121 Home LOut Preferences Record Help	Wdoomc, webloQic; Q)mected to: kubs113_domain
Vchanges and starts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources >FLEXTEST.WORLD >Su	mmary of JMS Servers >JMS Modules
Conf.: pallod button to alow otherstoedit the	CreateJMS System lodule	
	Back Next Finish Cancel	
Release Configuration	The fillowing propertiewill be ut>ed to target your new JF-15 y term module.	
Demain Structure	Use this page to select the server or cluster on which you would like to deploy this JMS system module. You can reconfigure targets later if	you wish.
fa.bs113_	Targets :	
i¥ Enw01"1Tlent Deployments		
-Services		
: \$- \$		
r-store-and.fbm-ardAQMts	U AdminServer	
r-slotSMooiJes f-Filth SerVUs	O Hanaged Server1	
Il s		
:-DataSOo.xces fPerSistentStores		
L_Fore;J.N)I Provide-s		
How dol-		
 Coni\Q!m.JoiSsystemmod!Aes 		
 Configm.Jo1Sservers 		
System Status	3	
Health of R.I.minQ Servers		
■		
enbeal (o)		
oerbaded(O) 💷 — 👽		
(Ol		
OK (2)		
	•	



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



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

JMS Modules - fcubs113_domain - \	VLS Console - Windows Internet Explorer	
Image: Second	console/console.portal?_nfpb=true&_pageLabel=JmsModulesTablePage	💽 😽 🗙 Google Powered Pandion Search 🛛
le Edit View Favorites Iools Help McAfee /		
🎓 🍘 🍘 JMS Modules - fcubs113_domain	- WLS Console	🏠 👻 🔝 👘 🖶 Bage 👻 🎲 Tgols
DRACLE WebLogic Serve	Administration Console	Q
hange Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domai
iew 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
ending changes exist. They must be activated	Messages	
Activate Changes	 The area include into a calced adcessing i 	
	JM5 Modules	
2-Environment ··Deployments 2-Services III-Messaging III-Messaging III-Store-and-Forward Agents	This page summarizes the JMS system modules that have been created for this domain.	
	New Delete	Showing 1 to 1 of 1 Previous Next
⊕-Bridges Data Sources	🔲 Name 🗞	Туре
Persistent Stores Foreign JNDI Providers	FCUBS_SystemModule	System
Work Contexts	New Dolete	Showing 1 to 1 of 1 Previous Next
ow do I		
Configure JMS system modules		
compare resources for site system module.		
/stem Status		
ealth of Running Servers		
F 5 1793		
Halled (U)		
Critical (0)		
Critical (0) Overloaded (0)		
Critical (0) Critical (0) Cverloaded (0) Warning (0)		

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



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

🖉 JMS Modules - fcubs113_domain - V	VLS Console - Windows Internet Explorer	
G v E http://10.184.74.143:8888/	console/console.portal?_nfpb=true&_pageLabel=http://10.184.74.143:8888/console/console.portal?_nfpb=true&_r	pageLabel=JmsModulesTablePage 💙 😽 🗙 Google Powered Pandion Search 🖉 🔎
Ele Edit View Favorites Iools Help McAfee'		
😭 🏟 🏾 🍘 JMS Modules - fcubs113_domain	- WLS Console	🏠 👻 🔝 👘 🖶 🖓 Bage 🕶 🎯 Tgols 🕶
	Administration Console	9
Change Center	Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts Click the Lock & Edit button to modify, add or delete items in this domain.	Home >Summary of JDBC Data Sources >FLBXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Messages	Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules
Lock & Edit	JM5 Modules	
Domain Structure fcubs113_doman 2 ⊕ Finitromment ->>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	MS system resources are configured and stored as modules similar to standard 22EE modules. Such resour distributed queues, distributed topics, foreign servers, and 3MS store-and-forward (SAP) parameters. You resources. This page summarizes the 3MS system modules that have been created for this domain. Customize this table JHS Modules Click the Lock & Editbutton in the Change Center to activate all the buttons on this page.	ces include queues, topica, connection factories, templetes, destination keys, quota, can administratively configure and manage JNS system modules as global system
HTPath Services ⊞-Bridges	New Delete	Showing 1 to 1 of 1 Previous Next
Persistent Stores Foreign JNDI Providers Work Contexts	Name 🔅	Туре
How do I		System
Configure JMS system modules	New Delete	Showing 1 to 1 of 1 Previous Next
Configure resources for JMS system modules	·	
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
OK (2)		

7.2.4 Subdeployment Creation

Follow the steps given below:

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



The following screen is displayed:

🖉 JMS Modules - fcubs113_domain - WL	S Console - Windows Internet Explorer	
G v E http://10.184.74.143:8888/com	nsole/console.portal?_nfpb=true&_pageLabel=http://10.184.74.143:8888/console/console.portal?_nfpb=true&	x_pageLabel=http://10.184.74.143 🗸 🍫 🗙 Google Powered Pandion Search 🖉 🗸
Ele Edit View Favorites Tools Help		
🚖 🕸 🍘 JMS Modules - fcubs113_domain - V	MLS Console	🖄 🔹 🗟 👘 🖶 Bage 🔹 🎯 Tools 🔹 🍟
ORACLE WebLogic Server®	Administration Console	Q 🗠
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data	ta 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.	3HS Modules	
Lock & Edit Release Configuration	JMS system resources are configured and stored as modules similar to standard J2EE modules. Such reso distributed queues, distributed topics, foreign servers, and JMS store-and-forward (SAF) parameters. Yo resources. This page summarizes the JMS system modules that have been created for this domain.	urces include queues, topics, connection factories, templates, destination keys, quota, u can administratively configure and manage JMS system modules as global system
Domain Structure		
Environment Deployments Services Hessaping Hits Servers Hits Servers Hits Servers	JHS Hotels	Showing I to I of 1 Previous Next
	FCUBS SystemModule	System
Bridges Data Sources Persistent Stores Foreign JNDI Providers Work Contexts	New Detec	Showing I to 1 of 1 Previous Next
How do L		
Configure 3MS system modules Configure resources for 3MS system modules System Status Faled to f Running Servers Critical (0) Overloaded (0) Warning (0) O(2)		

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

Settings for FCUBS_SystemModule - fci	ubs113_domain - WLS Console - V	Windows Internet Ex	plorer			- 8 🛛	
🚱 🕤 👻 http://10.184.74.143:8888/con	sole/console.portal?_nfpb=true&_pageLat	oel=JMSSystemModuleCo	nfigGeneralPage&handle=com.be	a.console.handles.JMXHandle%28%22com.b 🔽	Google Powered Pandion Search	P -	
Ele Edit View Favorites Iools Help • McAfee /							
🚖 🏟 🌈 Settings for FCUBS_SystemModule -	fcubs113_domai				🙆 • 🔊 - 🖶 • 🕞 Bage • 🥥	Tools •	
ORACLE WebLogic Server®	Administration Console					Q ^	
Change Center	🙆 Home Log Out Preferences 🔤	Record Help	Q	We	come, weblogic Connected to: fcubs113_	domain	
View changes and restarts	Home >Summary of JDBC Data Sources Modules >FCUBS_SystemModule	s >FLEXTEST.WORLD >Su	mmary of JMS Servers >Summary (f JDBC Data Sources >FLEXTEST.WORLD >Summar	y of JMS Servers >JMS		
No pending changes exist. Click the Release Configuration button to allow others to edit the	Settings for FCUBS_SystemModul	e					
domain.	Configuration Subdeployments	Targets Security	Notes				
Release Configuration	This page displays general information	on about a JMS system m	odule and its resources. It also al	ows you to configure new resources and access e	xisting resources.		
Domain Structure	Name:	FCUBS_Syst	emModule	The name of this JMS sys	tem module. More Info		
fcubs113_domain	Descriptor File Name:	jms/FCUBS_	SystemModule-jms.xml	The name of the JMS mod	re name of the JMS module descriptor file. More Info		
Store-and-Forward Agents JMS Modules Path Services BP Bridges Data Sources Persistent Stores	Customize this table Summary of Resources				Showing 0 to 0 of 0 Previous N	ext	
Work Contexts	□ Name ↔	Туре	JNDI Name	Subdeployment	Subdeployment Targets		
How do L			There are t	o items to display			
Configure JMS system modules Configure subdeployments in JMS system modules	New				Showing 0 to 0 of 0 Previous N	ext	
Configure resources for JMS system modules							
System Status							
Health of Running Servers							
Failed (0)							
Critical (0)							
Overloaded (0)							
Warning (0)							
OK (2)							



4. Click 'Subdeployments' tab.

C Settings for FCUBS_SystemModule - fo	ubs113_domain - WLS Console - W	indows Internet Expl	orer			
G v E http://10.184.74.143:8888/co	nsole/console.portal?_nfpb=true&_pageLabe	el=JMSSystemModuleSubDe	eploymentTabPage&handle=com.bea.console	handles.JMXHandle%28%22	🗙 🔽 😽 🗙 🛛 Google Pi	owered Pandion Search
Ele Edit View Favorites Tools Help						
🚖 🏟 🏾 🏾 🏾 🌋 Settings for FCUBS_SystemModule	- fcubs113_domai				🙆 • 📾 -	🖶 🔹 🔂 Bage 🔹 🍈 Tools 🔹
ORACLE WebLogic Server®	Administration Console					0
Change Center	🙆 Home Log Out Preferences 🔤 R	ecord Help	Q		Welcome, weblogic	onnected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources : Modules >FCUBS SystemModule	>FLEXTEST.WORLD >Summ	ary of JMS Servers >Summary of JDBC Data So	urces >FLEXTEST.WORLD >Su	mmary 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	Targets Security No	otes			
DUCK & CON						
Release Contiguration	This page displays subdeployments on grouped and targeted to a server res	eated for a JMS system mo ource (such as JMS servers	dule. A subdeployment is a mechanism by wh s, server instances, or cluster).	ich JMS module resources (su	ch as queues, topics, and co	onnection factories) are
Domain Structure						
fcubs113_domain	Customize this table					
Deployments	Subdeployments					
₿-Services	Alexa Distant				chance	
	New		*		Shown	g 0 to 0 of 0 Previous Next
Store-and-Forward Agents	🔲 Name 🗠		Resources		Targets	
Path Services			There are no items to disp	lay		
⊞-Bridges	New Delete				Showin	o 0 to 0 of 0. Previous Next
Persistent Stores	Income [Income]					
Foreign JNDI Providers						
i iWork 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)						

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

🔄 🕞 🗸 📄 http://10.184.74.143:8888/com	sole/console.portal?3msSystemModuleCreateSubDeploymentPortletreturn	To=JMSSystemModuleSubDeploymentTabPage&JMSSy	rstemModuleSubDe 🔍 😽 🗙 Google Powered Pandion Search
Ele Edit View Favorites Iools Help • McAfee /			
🔆 🕸 🍘 Create a New Subdeployment - fcu	vs113_domain - W		💁 🔹 📾 🔹 🔂 Eage 🔹 🎯 Tools 🔹
ORACLE WebLogic Server®	Administration Console		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary Modules >FCUBS_SystemModule	of JMS Servers >Summary of JDBC Data Sources >FLEXT	FEST.WORLD >Summary of JMS Servers >JMS
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New Subdeployment		
Lock & Edit	Back Next Finish Cancel		
Release Configuration	Subdeployment Properties		
Domain Structure	The following properties will be used to identify your new subdeploys	ment.	
fubs112_domain More and the services Pherworkers Services Pherwork Pherwork	* Subdeployment Name:	FCUBS	
System Status Image: Comparison of Running Servers Image: Comparison of Running Servers Image: Comparison of Running Comparison of Compari			

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



The following screen will be displayed.

Create a New Subdeployment - fcubs1	13_domain - WI.S Console - Windows Internet Explorer	
() - E http://10.184.74.143:8888/com	nsole/console.portal?3ms5ystemModuleCreate5ubDeploymentPortlet_actionOverride=/com/bea/console/actions/jms/mo	dules/system/createsubdep 🕙 🐓 🗙 Google Powered Pandion Search 🛛 🔎 🔹
Ele Edit View Favorites Iools Help		
😭 🏟 🌈 Create a New Subdeployment - fcu	bs113_domain - W	🟠 * 🔝 - 🖶 * 🗗 Bage * 🍈 Tgols * 🎽
ORACLE WebLogic Server®	Administration Console	Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources Nodules >FCUBS_SystemModule	es >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	
Environment Deployments Services	HanagedServer1	
E-Messaging 	JMS Servers	
Store-and-Forward Agents		
Path Services		
Data Sources	Back Next Finish Cancel	
Persistent Stores		
Work Contexts		
How do I		
 Configure subdeployments in JMS system modules 		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
OK (2)		

- 7. Select the JMS Server (as created by the user).
- 8. Click 'Finish' button.



9. Following screen is displayed.

Settings for FCUBS_SystemModule - f	cubs113_domain - WLS Console - Wind	ows Internet Explorer		
😋 🕤 🔹 🔊 http://10.184.74.143:8888/cc	onsole/console.portal?_nfpb=true&_pageLabel=JM	1SSystemModuleSubDeployment	tTabPage	🖌 😽 🗙 🛛 Google Powered Pandion Search
Eile Edit View Favorites Iools Help • McAfee // •				
😭 🏟 🏾 🏉 Settings for FCUBS_SystemMadule	- fcubs113_domai			🟠 👻 📾 🔹 📑 Page + 🎯 Tgols +
ORACLE WebLogic Server®	Administration Console			Q
Change Center	🔒 Home Log Out Preferences 🔤 Recor	d Help	Q	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home > Summary of JDBC Data Sources > FLE	XTEST.WORLD >Summary of JMS	5 Servers > Summary of JDBC Data Sources > FLE	XTEST.WORLD >Summary of JMS Servers >JMS
Pending changes exist. They must be activated to take effect.	Messages Subdeployment created successfully.			
Activate Changes				
Undo All Changes	Settings for FCUBS_SystemModule			
	Configuration Subdeployments Tar	gets Security Notes		
	Subdeployments			Showing 1 to 1 of 1 Previous Next
tetrBridges ™Data Sources	🔲 Name 🖘	Resources	Tar	gets
Persistent Stores	FCUBS		FCU	BS_JMSServer
Work Contexts	New Delete			Showing 1 to 1 of 1 Previous Next
Configure subdeployments in JMS system modules				
 configure JMS system modules 				
]			
System Status Health of Running Servers				
System Status Health of Running Servers Failed (0)				
System Status Health of Running Servers Failed (0) Critical (0)				
System Status Events Failed (0) Critical (0) Overloaded (0)				
System Status E Health of Running Servers Failed (0) Critical (0) Overloaded (0) Warning (0) Warning (0)				

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

Settings for FCUBS_SystemModule - fcubs11	3_domain - WLS Console - W	findows Internet	Fxplorer		FX
G + E http://10.184.74.143:8888/console/co	onsole.portal?_nfpb=true&_pageLab	el=http://10.184.74.1	43:8888/console/console.portal?_nfpb=true&_pageL	abel=JMSSystemModuleSut 💌 🐓 🔀 Google Powered Pandion Search	P-
Ele Edit View Favorites Iools Help O McAfee'					
😭 🏟 🏉 Settings for FCUBS_SystemModule - fcubs1	113_domai			🏠 * 🖾 - 🖶 * 📴 Bage * 🎯 Ti	ools * "
ORACLE WebLogic Server® Admin	nistration Console				<u>o</u>
Change Center	Home Log Out Preferences 🔤 R	tecord Help	Q	Welcome, weblogic Connected to: fcubs113_do	main
View changes and restarts	ome >Summary of JDBC Data Sources	>FLEXTEST.WORLD >S	Summary of JMS Servers >Summary of JDBC Data Source	es >FLEXTEST.WORLD >Summary of JMS Servers >JMS	
Click the Lock & Edit button to modify, add or delete items in this domain.	ssages All changes have been activated. I	No restarts are necess	ary.		
Set	tings for FCUBS_SystemModule				
Release Computation	onfiguration Subdeployments	Targets Security	Notes		
Domain Structure					
Implements I	Customize this table hubdeployments Jick the <i>Lock & Edit</i> button in the Cl TREW Delete	nange Center to activa	ite all the buttons on this page.	Showing its lofi Previous Nex	t
Persistent Stores Foreign JNDI Providers	🔲 Name 🐟	Re	sources	Targets	
Work Contexts	FCUBS			FCUBS_JMSServer	11
How do I	New Delete			Showing 1 to 1 of 1 Previous Nex	t
Configure subdeployments in JMS system modules					- 1.1
Configure JMS system modules					
Curtur Chatur					
Health of Running Servers					
Ealed (0)					
Critical (0)					
Overloaded (0)					
Warning (0)					
OK (2)					



7.2.5 JMS Queue Creation

1. Select the JMS Module created earlier.

C Settings for FCUBS_SystemModule - fci	ubs113_doma	in - WLS Console -	Windows	Internet	Explo	rer						
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🚖 🔅 🎉 Settings for FCUBS_SystemModule -	fcubs113_domai.								۵.	5	🖶 • 🔂 Bage • (🔅 Tools 🔹
ORACLE WebLogic Server®	Administration	Console										<u>o</u>
Change Center	Home Log	g Out Preferences 🞑	Record H	elp		Q.	Welcome, weblogic Connected to: fcubs113_domain				_domain	
View changes and restarts	Home >Sumn Modules >FC	nary of JDBC Data Sourc UBS_SystemModule	es >FLEXTE	ST.WORLD >	Summa	ry of JMS Servers >Summary of JDBC I	BC Data Sources > FLEXTEST.WORLD > Summary of JMS Servers > JMS					
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for I	CUBS_SystemModu	ıle									
Lock & Edit	Configuration	on Subdeployments	Targets	Security	Note	is l						
Release Configuration	This page di	splavs general informat	tion about a	JMS system	n module	e and its resources. It also allows vou	u to cor	nfigure new resources and access ex	isting resou	ces.		
Domain Structure												
fcubs113_domain	Name:			FCUBS_S	SystemM	Iodule		The name of this JMS systemeters	em module.	More Inf	fo	
Deployments	Descriptor	File Name:		jms/FCUB	BS_Syst	emModule-jms.xml	The name of the JMS module descriptor file. More Info					
E-Services												
JMS Servers	This page su	ummarizes the JMS reso	urces that l	nave been o	reated	for this JMS system module, including	g queue	e and topic destinations, connection f	factories, JN	IS templat	es, destination sort key	is,
Store-and-Forward Agents	destination	quota, distributed dest	nations, for	eign server	s, and s	tore-and-forward parameters.						
JMS Modules												
Bridges	Customize	this table										
Data Sources	Europone	of Bocourcos										
Persistent Stores	Summary	of Resources	-									
Foreign JNDI Providers	Click the Los	ck & Edit button in the	Change Ce	nter to activ	vate all	the buttons on this page.						
Hew de T										Showing	g 0 to 0 of 0 Previous	Next
Configure JMS system modules	Nan	ne 🚕	Туре)	NDI Name	Su	ubdeployment		т	argets	
Configure subdeployments in JMS system						There are no items	s to disp	play				
Configure resources for JMS system modules	New De	slete								Showing	0 to 0 of 0 Previous	Next
	territorial territoria									0.546566.0		
System Status												
Health of Running Servers												
Failed (0)												
Critical (0)												
Overloaded (0)												
Warning (0)												
OK (2)												

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



The Following screen is displayed.

f: Setting.s for FCUBS_SystemModule fr CJ'@• I@Jhit.rgJj:0.184.74.438668/c	cubs113_domam WLS Console W /CCifiSde.portal?_nf-true&_paQe!.abe	ndows Internet Explorer i-JIISSystemModuleCcd ahQe	,	/ +t x Powered PfldicfiSearch
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No ch. Yogeseri\$1.00kRe a	settings for FC:UBS_SystemModule			
	Configuration Subdeployments	Targets Security Notes		
Release Configuration	Tivs paJe ckplays generalliformatiro	about a JolS system mo <ue <n:1="" a<="" also="" it="" its="" resot.rces.="" td=""><td>llows VTU to confQ.re new resoLJ*cesand access of</td><td>xistno resoLJ°œs.</td></ue>	llows VTU to confQ.re new resoLJ*cesand access of	xistno resoLJ°œs.
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System status				
He5th of RJmnc;JServe's				
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- Overio&ded(O)				
OK(2)				



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



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

Create a New JMS System Module Res	ource - fcubs113_domain - WLS Console	Windows Internet Explorer		- F
🔆 🗸 🖉 http://10.184.74.143:8888/ci	onsole/console.portal?JmsCreateSystemModuleEntity	Portlet_actionOverride=/com/bea/console/a	tions/jms/modules/system/createentity/selectEntit 💙 ધ	Google Powered Pandion Search
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🚖 🏟 🌈 Create a New JMS System Module	Resource - fcubs11			🟠 • 🔊 - 🖶 • 🕞 Bage • 🎯 Tools •
	Administration Console			Q
Change Center	🔒 Home Log Out Preferences 🔤 Record I	Help	Welco	me, weblogic Connected to: fcubs113_domain
View changes and restarts	Home »Summary of JDBC Data Sources »FLEXTI Modules »FCUBS_SystemModule	EST.WORLD >Summary of JMS Servers >Sumr	any 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	Create a New JMS System Module Resour	ce		
Lock & Edit	Back Next Finish Cancel			
Release Configuration	JHS Destination Properties			
Domain Structure	The following properties will be used to identif	y your new Queue. The current module is Fi	CUBS_SystemMadule.	
fcubs113_domain	" Indicates required fields			
Services G-Messaging H-JMS Servers	* Name: NOTIFY_DEST	QUEUE		
	JNDI Name: NOTIFY_DEST	QUEUE		
⊞-Bridges ™Data Sources	Template: None 💙			
Persistent Stores Foreign JNDI Providers Work Contexts	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				
Failed (0)				
Critical (0)				
Overloaded (0)				
	<u>.</u>			🔍 Local 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.

f: Create a New JMS System Module Res	ource fcubs113_domam WLS Console Wmdows Internet Explorer	rg]
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	Back Next Finish Cancel	
Release Configuration	The following properties will be utset to Ling dyear new Jt 15 to yotem module ref000 are	
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t-)'IIIe1ts S Services	Setthe yment yoows Yt to use. If you select (IMIC) no targeting will occur	
* \$ Mes		
t"MSServers	Subdeployme-nh: FCUBS V Crete & New Subdeployment	
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Configure ."MS SAF		
System Status		
Health of Running Servers		
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6. Select the managed server created by the user. Click Finish butto	n.
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I his page displays general information ab	out a JMS system module and its resources. It also allow	s you to configure new resources and access e	existing resources.	
OeKriptor Hle Namt:	- S V -JI'IS.xml			
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7. The JMS Queue has been created successfully. Click 'Activate Changes' under 'Change Center'.

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iew changes and restarts	Home >S Modules	Summary of JDBC Data Source >FCUBS_SystemModule	s >FLEXTEST,WORLD	>Summary of JMS Se	vers >Summary of JDBC Dat	a Sources > FLEXTEST.WORLD > Summary of JMS	Servers >JMS	
o pending changes exist. Click the Release onfiguration button to allow others to edit the	Settings	for FCUBS_SystemModu	le					
Lock & Edit	Configu	ration Subdeployments	Targets Securit	ty Notes				
Release Configuration	This page	ge displays general informat	on about a JMS syst	em module and its res	ources. It also allows you to	o configure new resources and access existing r	esources.	
omain Structure	Name		FCUBS	SvstemModule		The name of this JMS system more	lule. More Info	
-Environment	Descrip	tor File Name:	ims/EC	LIBS SystemModule-in	is.xml	The name of the IMS module descriptor file. More Info		
Deployments	besenp	cor rue numer	jiidji e	obo_oyutenin loddic ji	and the	The finance of the ship module dear	aport net mare inorri	
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	Summa	ary of Resources						
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Path Services Path Services Data Sources Persistent Stores Foreign JNDI Providers Work Contexts	Summa	Delete	т	ype JNDI I	lame	Subdeployment	Showing 1 to 1 of 1 Previous Next	
Path Services Path Services Data Sources Persistent Stores Presistent Stores Work Contexts w do L. Configure 0 for curban and les	Summa	Name A	T	ype JNDI I ueue NOTIF ¹	ame _DEST_QUEUE	Subdeployment FCUBS	Showing 1 to 1 of 1 Previous Next Targets FCUBS_JMSServer	
Path Services Path Services Data Sources Parsistent Stores Parsistent Stores Proreign JUOD Providers work Contexts Configure JNS system modules Configure subdeployments in JNS system	Summa New	Delete Name NOTIFY_DEST_QUEUE Delete	T Q	ype JNDI I ueue NOTIFY	lame _DEST_QUEUE	Subdeployment FCUBS	Showing to 1of 1 Previous Next Targets PCUBS_MSServer Showing to 1of 1 Previous Next	
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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'.

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CompOn button to alow others to edit	settings for FC:LBS_SystemMod	ule				
	Configuration Subdeployment	s Targets Security Notes				
Release Configuration	This page displays general inform	ation about a JMS system module and	its resources. It also al	ows you to configure ne	v resources and access existing re	esources.
Domain Structure		ECLIRS SystemModule			Thio ofths»tSaa	Mor.Info
fa.bs B_clornarl	Decemination Trablement	TICKO I/O. Contractor	-		The area of the 1940 and the day	ninter film Marrie Tofe
-Service\$	Descriptor Phame.	TID:ICL305_SYSELID.X	110		The name of the JMS module desi	riptor file. More info
i \$-Mes t-:'\\S server fefore-and:forwardAQents t-:\\S\Moci\\As -Path Services	Ths PJJje SU'M1arizes×15 re';Q.f desba.lltionquotII, distrbJ ted de C:ustomizettis table	ces that have been created for the JV stinations, for eqlservers, and store a	/6 systemmodi.Je, quo nd-for¥ard parameters	ue and topte destnanon: -	a,corneclion f¶Ctories,∶MS templ	akes, desilnaDOn sort keys,
rit-endoes	Summary of Resources					
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I-PQT INITOVIDES		Type	INCName		Stibleplovment	Targets
Howdo L				NOTIFY PERT OFFIC	IECI IIo	
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Conligure stbde	plo tsn:MSsyst=					SheMnQ 1 to 1of 1 PreifiOUs Next
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System status						
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T

The following screen is displayed:



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

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McAfee'						
🍘 🍘 🍘 Create a New JMS System Module F	Resource - fcubs11				🟠 • 🖾 - 🖶 • 🕞 Bage • (🐊 Tgols 🔹
DRACLE WebLogic Server®	Administration Console					Õ
hange Center	🙆 Home Log Out Preferences 🔤 Recor	rd Help	Q	V	Velcome, weblogic Connected to: fcubs113	_domain
view changes and restarts	Home >Summary of JDBC Data Sources >FLE Modules >FCUBS_SystemModule	EXTEST.WORLD >Summary of JMS	Servers >Summary of JDBC Data Source	es >FLEXTEST.WORLD >Summ	ary of JMS Servers >JMS	
to pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New JMS System Module Reso	ource				
Lock & Edit	Back Next Finish Cancel					
Release Configuration	Connection Factory Properties					
Domain Structure	The following properties will be used to ide * Indicates required fields	entify your new connection factor	y. The current module is FCUBS_Syst	emModule.		
ubs113_domain	What would you like to name your new conr	nection factory?				
B-Services Hersaging H-1MS Servers	* Name:	NotifyDestQCF				
Store-and-Forward Agents	What JNDI Name would you like to use to lo	ook up your new connection facto	iry?			
Hath Services ⊡rBridges	JNDI Name:	NotifyDestQCF				
Persistent Stores	The Connection Factory Subscription Sharin	ng Policy Subscribers can be used	to control which subscribers can acce	ss new subscriptions. Should s	subscriptions created using this factory be sharab	ile?
Work Contexts	Subscription Sharing Policy:	Exclusive 💌				
tow do I 🗉 Configure quotas for destinations	The Client ID Policy indicates whether more Subscriptions created with different Client I	than one JMS connection can us D policies are always treated as	e the same Client ID. Oracle recomme ndependent subscriptions. What Clier	nds setting the Client ID policy nt ID Policy would you like to us	v to Unrestricted if sharing durable subscribers. se?	
Configure JMS templates Configure destination keys	Client ID Policy:	Restricted V				
Configure topics	A connection factory can limit the number o	f messages that can queued for	an asynchronous session. Should this	connection factory impose a li	mit?	
Configure connection factories	Maximum Messages per Session:	10				
Configure uniform distributed opeals	Should this connection factory create session	ons that are JTA aware, and crea	ate XA queues and XA topics?			
Configure JMS SAF	V XA Connection Factory Enabled					
System Status	Back Next Finish Cancel					
lealth of Running Servers						
Failed (0)						
Critical (0)						

- 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:

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ACLE Weblock SCK We ■ IIi rtl ■ IIII rtl ■ III rtl ■ IIII rtl ■ III rtl ■ IIII rtl ■ III rtl ■ IIII rtl ■ IIIIIIIII rtl ■ IIIIIII rtl ■ IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Immunolity Immunolity <th>Jeowc e udtIlhIU_dotu** O,M++h&+T&)'w:,-W defuit targets are based on the parent 346 system module targets. If you do not went to for targetsing the resource. erCE::If "ot</th>	Jeowc e udtIlhIU_dotu** O,M++h&+T&)'w:,-W defuit targets are based on the parent 346 system module targets. If you do not went to for targetsing the resource. erCE::If "ot
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Done		📢 Local intranet



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

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🔗 🍘 Create a New JMS System Modu	• Resource - Fcubs11	🗿 * 🔯 👘 * 🔂 Bage + 🙆 Tgole
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ange Center	A Home Log Out Preferences Record Help	Welcome, weblogic Connected to: fcubs113_doma
ew changes and restarts	Hore >Summary of JOBC Data Sources >PLEXTEST.WORLD >Summary of JMS Servers >Summary of JX Modules >PCUBS_SystemModule	DBC Data Sources > FLEX.TEST.WORLD > Summary of 3HS Servers >3HS
pending changes exist. Click the Release infiguration button to allow others to edit the main.	Create a New JHS System Hodule Resource	
	Back Red Frish Cancel	
Release Configuration	The following properties will be used to target your new JHS system module resource	ce
main Structure bs113_domain 2 -Environment	Use this page to select a subdeployment to assign this system module resource. A subdeployment SAR egent. If necessary, you can create a new subdeployment by clicking the Create a New Sul module's subdeployment management page.	is a mechanism by which. 245 resources are grouped and targeted to a server instance, duster, or bdeployment button. You can also reconfigure subdeployment targets later by using the parent
Deployments Services	Select the subdeployment you mant to use. If you select (none), no targeting will occur.	
El-Messaging	Subdeployments: FCUBS Create a New Subdeployment	
- JNS Modules	What targets do you want to assign to this subdeployment?	
Path Services Bi-Bridges Toata Sources	Targets :	
Persistent Stores Foreign 3-IOI Providers	Servers	
w do 1	ManagedServer1	
Configure quotas for destinations	JHS Servers	
Configure destruction keys Configure topics	☑ fcubs_attsserver	
Configure queues Configure connection factories Configure uniform distributed topics	Back Tritid Frian Cancel	
Configure uniform distributed queues		
Configure 345 SAF		
item Status		
alth of Running Servers		
Paled (0)		
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- 8. Select the 'Subdeployments' as FCUBS.
- 9. Under JMS Servers, check the box against 'Managed Server'.



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

ettings for FCUBS_SystemModule - fci	ubs113_doma	in - WLS Console -	Windows	Internet Ex	plorer					
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Settings for FCUBS_SystemModule -	- fcubs113_domai							6	• 🖾 - 🖶 • 🗗 Bage • (🔅 Tools
RACLE WebLogic Server®	Administration	Console							1	Ç
ange Center	Home Lo	g Out Preferences 🔤	Record He	lp	(2		Welcome,	weblogic Connected to: fcubs113	_dom
w changes and restarts	Home >Sum Modules >EC	many of JDBC Data Source	IS > FLEXTES	T.WORLD >Su	mmary of JMS Se	rvers >Summary of JDBC Data So	ources > FLEXTEST.WO	RLD >Summary of JMS S	ervers >JMS	
iding changes exist. They must be activated ake effect.	Messages	on factory created suco	essfully.							
Activate Changes	Cattings for	ECHRE EvetamModu	la							
Undo All Changes	Configurati	Subdenloyments	Tarnete	Security	Notes					
main Structure	comgurad	Subdeployments	Talgets	Security	notes					
s113_domain Environment Deployments Services	This page displays general information about a JMS system module and its resources. It also allows you to configure new resources and a Newson ECIEF Custometer d in						and access existing re	sources.		
C→Messaping ····>MS Servers ···>Store-and-Forward Agents ···>>TomS Modules ···Path Services BP-Indges Deta Sources ···Persistent Stores ···Persistent Stores ···Portign Stores ····Work Contexts v	Descriptor This page s destination	File Name: ummarizes the JMS reso quota, distributed destr e this table of Resources	urces that h nations, fore	jms/FCUBS_ ave been crea	SystemModule-j ited for this JMS ind store-and-fo	ns.xml system module, including queue ward parameters,	The name o	f the JMS module descr	ptor file. More Info	rs,
w do I 🗉	New D								Showing 1 to 2 of 2 Previous	Next
Configure JMS system modules Configure subdeployments in JMS system	🔲 Nar	ne 🗠		Туре		JNDI Name	Sul	deployment	Targets	
todules Configure resources for JMS system modules	Noti	fyDestQCF		Connection F	actory	NotifyDestQCF	FCL	BS	FCUBS_JMSServer	
-	TON 🔲	IFY_DEST_QUEUE		Queue		NOTIFY_DEST_QUEUE	FCL	BS	FCUBS_JMSServer	
item Status	New D	elete							Showing 1 to 2 of 2 Previous	Next
lith of Running Servers										
Failed (0)										
Critical (0)										
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Warping (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	13_domain - WLS Co	onsole - Windows Internet E	xplorer				
G v E http://10.184.74.143:8888/	console/console.portal?_i	nfpb=true&_pageLabel=JMSConner	ctionFactorygeneralTabPage&handle	=com.bea.console.handles.JMXHandle%	28%22com 💌 😽 🗙 🛛 Google Poi	wered Pandion Search	
Ele Edit View Favorites Tools Help							
😭 🏟 🎉 Settings for NotifyDestQCF - fcul	bs113_domain - WLS				🙆 • 🔊 ·	🖶 🔹 🔂 Page 🗸 🍈 Tools 🗸 👌	
ORACLE WebLogic Server	Administration Co	onsole				Q	
Change Center	Home Log Ou	ut Preferences 🔤 Record Help	٩		Welcome, weblogic Co	nnected to: fcubs113_domain	
View changes and restarts	Hame >FLEXTES Modules >FCUBS	T.WORLD >Summary of JMS Servers 5_SystemModule >NotifyDestQCF >FC	>Summary of JDBC Data Sources >FLI UBS_SystemModule >NotifyDestQCF	EXTEST.WORLD >Summary of JMS Servers	SME		
Pending changes exist. They must be activated to take effect.	Settings for Noti	ifyDestQCF					
Activate Changes	Configuration	Subdeployment Notes					
Undo All Changes	General Def	ault Delivery Client Transactio	ns Flow Control Load Balance	Security			
Domain Structure	Save						
fcubs 113_domain	Use this page to	o define the general configuration p	arameters for this JMS connection fa	ictory, which includes various client conne	ection, default delivery, load balancing,	and security parameters.	
E-Messaging	🕂 Name:	NotifyDestQCF		The name	e of this JMS connection factory. More	Info	
Store-and-Forward Agents JMS Modules	JNDI Name:	NotifyDestQCF		The globa JNDI nam	al JNDI name used to look up a connection respace. More Info	on factory within a clustered	
B-Bridges Data Sources	🗌 🐠 Defaul	It Targeting Enabled		Specifies or uses th	Specifies whether this JMS resource defaults to the parent module's targeting or uses the subdeployment targeting mechanism. More Info		
Foreign JNDI Providers	- Advanced	-					
F Work contexts	Save						
How do 1							
Configure connection factories							
System Status	a						
Health of Running Servers							
Failed (0)							
Critical (0)							
Overloaded (0)							
Warning (0)							
OK (2)							

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

Settings for NotifyDestQCF - fcubs11	3_domain - WLS Console - Windows Internet Explorer	
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Ele Edit View Favorites Tools Help O McAfee // •		
🚖 💠 🌈 Settings for NotifyDestQCF - fcub	15113_domain - WLS	🏠 🔹 🔂 👘 🖶 😨 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 >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS S Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS_SystemModule >NotifyDestQCF	ervers >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	
Benvironment Deployments Deployments Devices Definition TMS Servers	Use this page to define the transaction configuration for this JMS connection factory. You can define a transaction time-out factory is returned, which create sessions that are JTA user-transaction aware. Transaction Timeout: 3600 The	t value, and also indicate whether an XA queue or XA topic connection
Store-and-Forward Agents 	ر مالی مراجع می مراجع مراجع می مراجع می مراج مراجع می مراجع می مراج	Lotimetual rectary - more sites Lates whether a XA queue or XA topic connection factory is returned, sead of a queue or topic connection factory. An XA connection factory can de to create an XAConnection, which in turn may be used to orable an deation, which in turn may be used to obtain an XAResource for use inside matchin magers. More Info
	Save	
How do I		
Configure connection factories		
Curture Children 🛛	J 1	
Health of Running Servers		
Faled (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
OK (2)		



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

Settings for NotifyDestQCF - fcubs11	3_domain - WLS Console - Windows Internet Explorer	
G + E http://10.184.74.143:8888/c	$onsole/console.portal?_nfpb=true&_paget.abel=JMSConnectionFactorytransactionparamsTabPage&handle=com.bea.com/se$	console. handles. JMXHandle%: 💌 ఈ 🗙 Google Powered Pandion Search 🛛 🔎 🔹
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😭 🕸 🌈 Settings for NotifyDestQCF - fcub	s113_domain - WLS	🟠 🔹 🔂 👘 🖶 🖓 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 >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summa Modules >FCUBS SystemModule >NotifyDextQCF >FCUBS SystemModule >NotifyDestQCF	ary of JMS Servers >JMS
Pending changes exist. They must be activated to take effect.	Messages	
Activate Changes		
Undo All Changes	Settings for NotifyDestQLF Configuration Subdeployment Notes	
Domain Structure	General Default Delivery Client Transactions Flow Control Load Balance Security	
fcubs113_domain	Save	
Enservices Constant of the services Consta	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.	tion time-out value, and also indicate whether an XA queue or XA topic connection
JMS Modules Path Services ⊡=Bridges	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	図 d信 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 XASession, which in turn may be used to obtain an XAResource for use inside a transaction manager. More Info
How do I Configure connection factories	Save	
]	
System Status		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
OK (2)		

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

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

	ain - WLS istration C Home Log C Home > FLEXTE sages ' All changes ings for No nfiguration neral Def ck the Lock ve	Console Out Preferences SST.WORD>Sum BS_SystemModule s have been activ otifyDestQCF a Subdeployme fault Delivery i s & Editbutton in	s Re mmary of a vated. No ent No Client no n the Cha	tord Help [] IMS Servers >50 IMS Serve	mmary of JDBC Det SystemModule > Ne Dessary. Flow Control	Sources > FLEX bifyDestQCF	TEST.WORLD >	Image: Servers >345 Image: Servers >345
Settings for NotifyDestQCF - foubs113_dom Change Center View changes and restarts Lock & Ent Lock & Ent Release Configuration Setting Consistructure obs113_domain Denviore	ain - WLS istration C Home Log C me >FLEXTE dules >FCUE sages ' All changes ings for No nfiguration neral Def ck the Lock ve	Console Out Preferences ST.WORLD > Sum BS_SystemModule s have been activ otifyDestQCF a Subdeployme fault Delivery 4 & & Editbutton in	s Re mmary of a > NotifyC vated. No ent No Client No Client	tord Help	mmary of JDBC Det SystemModule > Ne cessary. Flow Control	a Sources >FLEX btifyDestQCF	TEST.WORLD >	
Control Contr	Home Log C Home > Log C Home > FLEXTE dules > FCUE sages All changes ings for No nfiguration neral Def ck the Lock VE	Console Out Preferences ST.WORLD > Sum BS_SystemModule s have been activ outfyDestQCF n Subdeployme fault Delivery 4 k & Edit button in	s Re mmary of a NotifyD vated. No ent No Client n the Cha	tord Help	nmary of JDBC Dat SystemModule > N cessary.	a Sources > FLEX otifyDestQCF	TEST.WORLD >	Welcome, weblogic Connected to: fcubs113_doi >Summary of JMS Servers >JMS
hange Center //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restarts //ew Changes and restart	Home Log C me > FLEXTE dules > FCUE sages ' All changes ings for No nfiguration neral Def ck the Lock ve	Out Preferences EST.WORLD > Sum ES_SystemModule s have been activ otifyDestQCF n Subdeployme fault Delivery k & Editbutton in	s Re mmary of, a >NotifyD vated, No ent No Client n the Cha	Cord Help [] IMS Servers >50 DestQCF >FCUBS o restarts are ne otes] Transactions ange Center to n	mary of JDBC Dat SystemModule > Ne cessary.	A Sources >FLEX	TEST.WORLD >	Welcome, weblogic Connected to: fcubs113_doi >Summary of 3MS Servers >3MS
Alew changes and restarts Alew changes and restarts Elick the Lock & Edit button to modify, add or detect term in the domain. Lock & Edit Release Canfguration Common Structure Demograment Derivices El Hessaging Pervices El Hessaging	me >FLEXTE dules > FCUE sages All changes ings for No nfiguration neral Def ck the <i>Lock</i>	EST.WORLD > Sum BS_SystemModule s have been activ btifyDestQCF a Subdeployme fault Delivery <i>k & Edit</i> button in	mmary of . >NotifyC vated. No ent No Client n the Cha	JMS Servers >Su bestQCF >FCUBS o restarts are ne otes Transactions	nmary of JDBC Dat SystemModule >N Dessary. Flow Control	a Sources >FLEX otifyDestQCF	TEST.WORLD >	>Summary of 3MS Sarvars >3MS
Lick the Lock & Bith button to modify, add or lefete items in this domain. Hes elefete items in this domain. Lock & Bith Release: Configuration Image: Configuration omain Structure bublis: domain 3-Environment: D-Release: Configuration Image: Configuration 0 Image: Configuration Image: Configuration 1 Image: Configuration Image: Configuration <td>All changes ings for No infiguration neral Def ck the Lock</td> <td>s have been activ otifyDestQCF Subdeployme fault Delivery</td> <td>vated. No ent No Client n the Cha</td> <td>o restarts are ne otes Transactions</td> <td>Flow Control</td> <td>Load Balance</td> <td>Security</td> <td></td>	All changes ings for No infiguration neral Def ck the Lock	s have been activ otifyDestQCF Subdeployme fault Delivery	vated. No ent No Client n the Cha	o restarts are ne otes Transactions	Flow Control	Load Balance	Security	
elete items in this domain. Lock & Edit Release Configuration Setti Commain Structure Jobalit3 domain Fernicomments Setti	All changes ings for No infiguration neral Def ck the <i>Lock</i>	s have been activ btifyDestQCF Subdeployme fault Delivery <i>k & Edit</i> button in	ent No Client n the Cha	o restarts are ne otes Transactions	Flow Control	Load Balance	Security	
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ubs113_domain PEnvironment Deployments Deployments Definitions Definition De	ck the <i>Lock</i>	& & Edit button in	n the Cha	ange Center to n	Them control	Louis Para rec	Seconcy	
Deployments Cl Deployments Cl Definition of the state o	ck the <i>Lock</i>	& & Edit button in	n the Cha	ange Center to n				
Bervices B-MessagingJMS Servers	ve.				odify the settings	on this page.		
Hessaging	The							
JMS Servers								
Store-and-Forward Agents	se this page	to define the tra	ansaction	configuration fo	r this JMS connect	ion factory. You	can define a t	transaction time-out value, and also indicate whether an XA queue or XA topic connection
JMS Modules fa	ctory is retu	urned, which crea	ate sessio	ons that are JTA	user-transaction a	sware.		
Path Services								
🕀 Bridges Tr	ansaction 1	Timeout:						The timeout value (in seconds) for all transactions on connections created wit
Data Sources								this connection factory. More Info
Persistent Stores								
Proreign JND1 Providers	A XA Co	onnection Fact	tory Fna	bled				Indicates whether a XA queue or XA topic connection factory is returned,
Work Contexts								instead of a queue or topic connection factory. An XA connection factory can be used to create an XAC connection, which is two may be used to create an
ow do I								XASession, which in turn may be used to obtain an XAResource for use inside
								a transaction manager. More Info
Configure connection factories								
S	ve							
/stem Status 🗉 📃	1.4. 1.1		all of the		- Inf. al Auto-	and the second		
ealth of Running Servers	LK UIE LOCK	C & EUR DULLOT IN	n ale che	ange Genter to n	ioun y ale secongs	on ans page.		
Failed (0)								
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overladed (o)								
Warning (0)								



7.3 Configuring Weblogic for Oracle Banking payments

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

1. Select the servers from domain structure shown below.

View changes and restarts	Home >Suit	nmary of X	005 Oxfo 50	urces (FLD)	7657,008	LD >Summer	of JDBC D	la Sources XCFG	RMMATINE >>	unmary di	Servers 2080	PRETRONAL SCOT	miny of Servers SPREE	RZIAL XSUMMARY of	Servers - OFCPM	TIRIWL				
No pending changes exist, Click the Release	Settings for	P OFCPHU	TR1WL																	
Configuration button to allow others to edit the domain.	Configural	tion P	utocols	Logging	Debug	Monitoring	Control	Deployments	Services	Security	Notes									
Lock & Edit	Gereni	Cluster	Senices	Keystor	es 552.	Federatio	Services	Deployment	Moration	Tuning	Overland	Concurrency	Health Monitoring	Server Start	Web Services	Coherence				
Release Configuration	Shie			in the second																
Domain Structure																				
CFCP9994TetL *	Node Man	tager is a '	WebLogic S	erver ubilt	y that you	can use to st	art, susper	rd, shut down, a	nd restart or	ners in ror	mail or unexp	ected condition	s. Use this page to co	nfigure the startu	p settings that N	iode Manager v	will use to st	art this server or	n a remote machine	63
ErEnatoment Tervers BrClutters	Java Hom	e;												The Java home Jefo	directory (path)	on the machine	e running N	ide Manager) to u	use when starting t	his server.
Coherence Clusters Resource Groups Resource Group Templates	Java Vend	dor:												The Java Verd	or value to use w	èen starting th	his server;	More Info		
Vinual Hosts Vinual Targets	BEA Horse	e												The BEA home Info	directory (path a	en the machine	running No	de Manager) to u	se when starting th	is server.
-Work Managers Concurrent Templates Revource Management	Root Dire	ctory:												The directory to Node Manager. Info	lat this server u If you do not sp	ees as its root o ecify a Root Or	directory. Ti rectory valu	is directory must e, the domain dir	the on the compute rectory is used by d	s that hos efault. M
How do L	Class Path	h:												The classpath (path on the mac	thine running N	lode Manag	ar) to use when st	tarting this server.	More Infi
 Configure startup arguments for Henaged Servers 																				
 Start Managed Servers from the Administration Concole 																				
Sub down a server instance																				
System Status	Argument	ts:												The arguments	to use when sta	rting this serve	er. More Ir	fo		
Health of Running Servers as of 5:18 PM																				
Failed (0) Critical (0) Overloaded (0)																				
Warning (0)								1												
17	Security P	Policy File	5											The security po	kcy file (director	ry and filename	e on the ma	thine running floo	de Manager) to use	when star

 Under 'Server Start' tab > Arguments provide '-Dserver.id=1' – in case of Manage server. The following screen is displayed.

This attribute is used for Reference Number generation in payments module.

No pending changes exist. Click the Release	seconda	IDF OF C	PRINTING																
Configuration button to allow others to edit the domain.	Configu	iration	Protocols	Logging	Debug	Monitoring	Control	Deployments	Services	Security	Notes								
Lock & Edit	Genera	I Clust	er Service	s Keysto	res 55.	Federatio	in Services	Deployment	Nigration	Tuning	Overload	Concurrency	Health Monitoring	Server Start	Web Services	Coherence			
Release Configuration	Save	10000								100	110011100					N2005521			
Domain Structure	1 10000																		
PCPHMATWL +	Node	Mariager k	s a WebLogic	Server utili	ty that you	can use to s	tert, susper	id, shut down, ar	nd restart se	rvers in nor	mail or unexp	pected condition	s. Use this page to co	orfigure the startu	p settings that 1	ode Manager will use to start this server o	on a remote machim		
-Servers B-Clusters	Java H	9996:											The Java home Jr.	directory (path	n the machine running Node Manager) to	use when starting			
Coherence Clusters Resource Groups Resource Group Templates	Java V	endor:												The Java Vend	or value to use v	ten starting this server. More Info			
Machines Virtual Hosts Virtual Targets	BEA Home:													The BEA home Info	directory (path)	n the machine running Node Manager) to	use when starting #		
Work Menapets Concurrent Templates Bescurce Menagement	Root D	irectory	ŧ											The directory that this server uses as its root directory. This directory must be on th Node Nanager. If you do not specify a Root Directory value, the domain directory is Info					
How do L 🖯	Class F	athc												The classpath	path on the ma	nine running Node Manager) to use when	starting this server		
Configure startup arguments for Managed Servers Start Nanaged Servers from the Administration Console Shut down a server instance																			
System Status 🛛	Argum	ents:												The arguments	to use when sta	ting this server. More Info			
Health of Running Servers as of 5:20 PM	-0.54	ver.id	-1																
Failed (0) Critical (0) Overloaded (0) Warring (0)								4											
6K(1)	Securi	ty Policy	File:											The security po this server. N	licy file (directo lore trifo	y and fillename on the machine running Ne	ode Manager) to use		
	User N	ame:												The user name	to use when bo	ting this server. More Info			
	Passw	ord:												The password	of the username	ated to boot the server and perform serve	s health monitoring		



3. Select the domain from the domain structure as shown below. (Eg: fcubs113_domain).





The following screen is displayed:

Ο.





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

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anner Center A two	(none Log Dut Preferences	
	IUH ,; Ub W Appli(10(0) ¹ Q LoQHio-t	
o	Click the Lock & Editbutton in the Change Center to modify the settings on this page.	
	Use this page to define the domain-wide Web application configuration settings.	
r-%L-d *cl.i,Qel":s	n and the second	Beginning with the 9.0 release the FORM/INSIC authentication behavior has been modified to confirm strictly to the J2III Specification. If a user has logged—hot close not hinking simplicate access a resource, the 403 (POREICER) page will be returned. Turn this flag on to enable the old beforuse, which users to return the users the loan firm.
- P tlei ¹⁰ \$;otU foo' ql"trO>"((ers CoalfoT\\d>!On !\$XIQ&co.ldVebtclCftas'J \"O'ddol*n	/ABow AE Roles	1 n111! uCp_loo
		<pre>Reduit different indigit - Stite Older foodfit - Clear HUW '' Balling to the Older Sec- Seffee-FfWI COO'! - NWeb 'O'Ir COJut In</pre>
W*"""(0)		
₩******{0) ()< 《		



5. 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 - fcubs113_domain - W	🟠 - 🔂 - 🖶 - Ever- 🤇
O Http Tr;mSupport Enals	Rell.I'nsthev.'llucofHtl;ITrac:e Ifnabled More!nfo
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O AuthCooke Ena b	Whet:hil'y ill.thcooice feo!ill.i'e iS mabled or not. More Info
O &{! change session 10 on Authentication	Globalpropertytndeterrrroelfl'll! tooenerateanewSessioniDaft illähmiKälibon. 1 – 'ths property set to 'false', the prv10US ses ID beretaenedevenafterlil.lthonzabon. Morelnfo
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O JSP Compler Backwards Compatible	Globalproperty indeterrroethebeha VIOI"ofheJSP. Whenthe property setto 'true' ithel/SPcompilertTowsd I tanakabonerrofroJSE thatdoroot conformationE/SP2.0spcoficabon.ThrspropertyelOStsfor bad;wardcQIIIIIhbity. More Info
0 ArchNed RealPath Enab	Global property to determore the behavior of oetReaPathO for ardvved apple.lbons. Vvllentmspropertysetto"true".getReal'alhQ wl rett.mt


Afee /	104 		
Settings for fcubs113_doma	ain - fcubs113_domain - W	🟠 🔹 🗟 👘 📴 Page 🕶 🎯 T	
	Http Trace Support Enabled	Returns the value of HttpTraceSupportEnabled. More Info	
	UWebLogic Plugin Enabled	Specifies whether or not the proprietary WL-Proxy-Client-IP header should t honored. (This is needed only when WebLogic plugins are configured.) Mor Info	
	V Auth Cookie Enabled	Whether authcookie feature is enabled or not. More Info	
	♥ 借 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 wi be retained even after authorization. More Info	
	WAP Enabled	Indicates whether the session ID should include JWM information. (Checking this box may be necessary when using URI, rewriting with WAP devices that limit the size of the URI to 128 dorarcters, and may also affect the use of replicated sessions in a cluster.) When this box is selected, the default size the URI, will be set at 32 characters, and it will not contain any special characters. More Info	
	Post Timeout: 30	The amount of time this server waits between receiving chunks of data in an HTTP POST data before it times out. (This is used to prevent denial-of-servi 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.	
	✓ Work Context Propagation Enabled	Indicates whether or not WorkContextPropagation is enabled. By default it turned on. There is a little overhead involved in propagating WorkContexts. Therefore, if you don't care about VorkContext propagation, turn this value off in production environments. More Info	
	6 P3P Header Value:	Returns the P3P Header value that will be sent with all responses for http requests ((fnon-null). The value of this header points to the location of the policy reference file for the Web site. More Info	
	🖌 🦺 JSP Compiler Backwards Compatible	Global property to determine the behavior of the JSP compiler. When this property set to 'true', the JSP compiler throws a translation error for JSPs that do not conform to the JSP2 JSP specification. This property exists for backward compatibility. More Info	
	✓ 6 Archived Real Path Enabled	Global property to determine the behavior of getRealPath() for archived we applications. When this property set to <code>`true', getRealPath()</code> will return the	

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



8. The following screen is displayed:

Mtp://10.104.74.143:0000/c	onsole/console.pontal?_ntpb=true0_pageLabel=DomanConfigWebAppPage0handle=com.bea.console.handles.JM01an	de%29%22com.bea%3ANa 🔤 🐄 🛛 🛪 🗍 Google Powered Pandon Search		
le Edit View Favorites Iools Help Mittinger -				
🔗 🍘 Settings for foubs113_domain - Fo	ubs113_domain - W	🗿 * 🖾 🔹 👼 * 🔂 Bage + 🙆 Tgols		
DRACLE WebLogic Server	Administration Console	0		
hange Center	Home Log Out Preferences Record Help	Welcome, weblogic Connected to: fcubs113_doma		
ew changes and restarts	Hores >Summary of JMS Servers >Summary of JDBC Data Sources >PLEXTEST.WORLD >Summary of JMS Servers >N Modules >PCURS_SystemModule >NorR-DetrOCE >PCURS_SystemModule >NorR-DetrOCE >Forbol 13_domain	is		
Nendrg changes exist. They must be activated Hessages				
Activate Channes	✓ Settings updated successfully.			
Unio Al Changes	Settings for fcubs113_domain			
	Configuration Monitoring Control Security Web Service Security Notes			
insain Structure	General JTA JPA EX8s Web Applications Logping Log Fitters			
bs113_domain				
"Deployments	Dave			
Services				
- 3MS Servers	Use this page to define the domain-wide Web application configuration settings.			
Store-and-Forward Agents				
JHS Modules	🗌 🏀 Relogin Enabled	been modified to conform strictly to the 32EE Specification. If a user has		
Plan bervices	logged in but does not have privileges to access a resource, the 403 INCONSTRUCTION was not have built in the first market that the not built for the the set of the market that acc			
-Data Sources		behavior, which was to return the user to the login form. More info		
Persistent Stores				
-Work Contexts	🗋 🍓 Allow All Roles	In the security constraints elements defined in a web application's web long deployment descriptor, the auth-constraint element indicates the user roles		
our do T		that should be permitted access to this resource collection. Here role-name =		
		previous releases, role name = "#" was treated as all users toles defined in		
Deploy Web applications		behavior. Default behavior is one required by the spec, meaning all roles		
Stop deployed web applications		defined in the web application. If set, the value defined in weblopic.xml Crontener-destructor -> allow-all-roles) takes operadence (if set) over the		
Lodate run-time descriptors		value. More Info		
	Citter Dispatched Requests	Indicates whether or not to apply filters to dispatched requests. This is a		
estem Status	The recer of space of the second seco	backward compatibility flag. Until version 8. 1, WebLogic Server applied Service/Eiters (if configured for the Web application) on represent department		
ealth of Running Servers		(and includes/forwards). Serviet 2.4 has introduced the "Dispatcher" element		
Failed (0)		to make this dehavior exploit. The default value is Dispatcher +REQUEST. In order to be complaint with the J2EE specification, the default value for		
Critical (0)		FilterDispatchedRequestsEnabled is false beginning with WebLogic Server 9.0. Note that if you are using pid descriptors (meaning web.you does not have		
Cuerbaried (0)		version=2.4), then WebLogic Server automatically uses		
(Illusion (II)		FilterOispatchedRequestsEnabled = true for the Web applications, unless filter-dispatched-requests-enabled is explicitly set to false in weblocic.xml.		
cy (2)		This means that old applications will work fine without any modification.		
1.545 (44		plugin automatically sets this flag to true. More Info		
	Overload Protection Enabled	This parameter is used to enable overload protection in the webapp container		
		against low memory conditions. When a low memory situation occurs, new session creation attempts will result in		

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

7.4 Setup/Configure Mail Session in Weblogic

This section describes the set of configurations changes required in Oracle Weblogic Server when Oracle Banking payments 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.



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

Summary of Mail Sessions - fcubs113	_domain - WLS Console - Windows Internet	Explorer	
🚱 🗸 🔊 http://10.184.74.143:8888/co	onsole/console.portal?_nfpb=true&_pageLabel=MaiMailS	5essionTablePage	💽 🐓 🔀 Google Powered Pandion Search 🖉 🗸
Ele Edit View Favorites Iools Help P McAfee /			
😭 🏟 🌈 Summary of Mail Sessions - fcubs1	13_domain - WLS C		💁 🔹 🔝 👘 🖶 🖓 Bage 🔹 🎯 Tgols 🔹
ORACLE WebLogic Server®	Administration Console		Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	P	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST Modules >FCUBS_SystemModule >NotifyDestQCF >	WORLD >Summary of JMS Servers >JMS FCUBS_SystemModule >NotifyDestQCF >fcubs113_d	omain >Summary of Mail Sessions
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of Mail Sessions		
Lock & Edt Release Configuration	Mail sessions facilitate the process of using the J Protocol (SMTP)-capable mail servers on your ne This page summarizes the mail sessions that hav	avaMail APIs, which provide applications and othe twork or the Internet. e been configured in the current WebLogic Server	r JZEE modules with access to Internet Message Access Protocol (IMAP)- and Simple Mail Transfer domain.
Domain Structure MessagingJMS ServersStore-and-Forward AgentsJMS Modules	Customize this table Mail Sessions		
Bridges	New Clone Delete	er to activate all the puttons on this page.	Showing 0 to 0 of 0 Previous Next
	🔲 Name 🗞	Properties	JNDI Name
XML Registries		There are no i	tems to display
jCOM <u>Mail Sessions</u>	New Clone Delete		Showing 0 to 0 of 0 Previous Next
How do I	j		
Configure access to JavaMal Target mail sessions Delete mail sessions System Status Failed (0) Critical (0) Overloaded (0) Warning (0) O (2)			

2. Click 'Lock & Edit'.

Summary of man Sessions - reads	113_domain - WLS Console	- Windows Internet Explorer				
Solution (10.184.74.143:88)	88/console/console.portal?_nfpb=t	rue&_pageLabel=MailMailSessionTab	blePage		Google Powered Pandion Search	2
jle Edit ⊻ew Favorites Iools He D McAfee: /	φ					
🗧 🕸 🏾 🏉 Summary of Mail Sessions - fo	ubs113_domain - WLS C				💁 • 🔝 - 🖶 • 🖻 Bage • 🏈	Tgols 🗸
	er [®] Administration Console	4				Õ
Change Center	Home Log Out Pref	erences 🔤 Record Help	Q		Welcome, weblogic Connected to: fcubs113_	domain
View changes and restarts	Home >Summary of JDB Modules >FCUBS_System	C Data Sources >FLEXTEST.WORLD > nModule >NotifyDestQCF >FCUBS_Sy	Summary of JMS Servers >JMS stemModule >NotifyDestQCF >fcubs113_dc	omain >Summary of Mail Sessio	ns	
Click the Lock & Edit button to modify, add o delete items in this domain.	Summary of Mail Sess	ions				
Lock & Edit						
Release Configuration	Mail sessions facilitate	the process of using the JavaMail Ai	PIs, which provide applications and other	J2EE modules with access to In	ternet Message Access Protocol (IMAP)- and Simple Mail Trans	fer
	This page summarizes	the mail services on your network or c	of a red in the a reset Webl agis Secure	demain		
omain Structure	This page summarizes	the mail sessions that have been col	ingured in the current weblogic server	oomain.		
☐-Messaging	*					
JMS Servers	Customize this tabl	e				
Store-and-Forward Agents	Mail Sessions					
Dath Services			2 min 1 2 2			
Bridges	Click the Lock & Edits	outton in the Change Center to activ	/ate all the buttons on this page.			
Data Sources	Lawrence Lawrence Lawrence	1				
Persistent Stores	New Clone Dek				Showing 0 to 0 of 0 Previous N	lext
Foreign JNDI Providers	and a straight of the				an a	
Work Contexts	Name 🗠		Properties	1	NDI Name	
XML Registries			These are us it	and to the last		
XML Entity Caches			There are no to	ems to display		
усом	New Clone Dek				Showing 0 to 0 of 0 Previous N	lext
Mail Sessions						
ow do I	E					
Hail Sessions						
Iow do I Configure access to JavaMail Target mail sessions						
In Mail Sessions In Mail Sessions Configure access to JavaMail Target mail sessions Delete mail sessions						
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Hall Sessions tow do L Configure access to JavaMal Target mail sessions Delete mail sessions ystem Status tedth of Running Servers						
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Thail Sessions ow do L. Configure access to JavaMal Target mal sessions Delete mail sessions ystem Status Failed (0) Critical (0) Overloaded (0)						
Hall Sessions Configure access to JavaMal Target mail sessions Delete mail sessions ystem Status Failed (0) Critical (0) Overloaded (0) Warning (0) Setting (0) Critical (0) Critical (0) Setting (



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

Summary of Mail Sessions - fcubs113_	_domain - WLS Console - Windows Internet Exp	plorer			
🚱 🗣 🔊 http://10.184.74.143:8888/co	nsole/console.portal?_nfpb=true&_pageLabel=MailCreateM	AalSession		Google Powered Pandion Searc	th 👂 •
File Edit View Favorites Tools Help McAfee*					
😭 🏟 🔾 Summary of Mail Sessions - fcubs 1 1	13_domain - WLS C			🏠 • 🔝 - 🖶 • 🔂 Page •	🔘 Tgols 🔹
ORACLE WebLogic Server®	Administration Console				Q
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Q		Welcome, weblogic Connected to: fcubs1	13_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.W/ Modules >FCUBS SystemModule >NotifyDestOCF >FCU	ORLD >Summary of JMS Servers >JMS JBS SystemModule >NotifyDestOCF >fcubs113 (omain >Summary of Mail Sessions		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Summary of Mail Sessions				
Lock & Edit Release Configuration	Mail sessions facilitate the process of using the Java Protocol (SMTP)-capable mail servers on your netwo This page upmarizes the mail sessions that have b	Mail APIs, which provide applications and othe rk or the Internet.	er J2EE modules with access to Internet	Message Access Protocol (IMAP)- and Simple Mail T	iransfer
Domain Structure		centering a cantole can ent theologic berve			
Messaging Servers Store-and-Forward Agents Store-and-Forward Agents	Customize this table Mail Sessions (Filtered - More Columns Exist)				
Path Services	New Clone Delete			Showing 0 to 0 of 0 Previou	us Next
⊞-Bridges Data Sources	🔲 Name 🏟	Properties	JNDI N	ame	
Persistent Stores		There are no	tems to display		
Work Contexts XML Registries XML Entity Caches jCOM	New Clone Delete	inde die ne	come to support	Showing 0 to 0 of 0 Previou	is Next
Mail Sessions					
How do I					
Configure access to JavaMail					
Target mail sessions					
Delete mail sessions					
System Status					
Health of Running Servers					
Failed (0)					
Critical (0)					
Overloaded (0)					
Warning (0)					
OK (2)					

4. Following screen is displayed.

A 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10	Google Powered Pandion Search	
Ele Edit View Favorites Iools Help O McAfee		
🔶 🏘 🌈 Create a New Mail Session - fcubs	113_domain - WLS	🐴 * 🔝 - 🖶 * 🔂 Page • 🎯 Tgols • 3
ORACLE WebLogic Server	Administration Console	Q 4
Change Center	Home Lag Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home »Summary of JDBC Data Sources »FLEXTEST.WORLD »Summary of JMS Servers »JMS Modules »FCUBS_SystemModule »NotifyDextQCF »FCUBS_SystemModule »NotifyDextQCF »fcubs113_domain »Summary of Mail Sessions	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a liew Mail Session Back Finah Cancel	
Release Configuration	Mail Session Properties The following property will be used to identify your new mail session.	
Domain Structure fcub 113_domain	* Indicates required fields What would you like to name your new mail sesson? * Name: FCUBSMailSession @ * JNDI Name: mail/FCUBSMail @ JavaHail Properties: mail.host=stbeshive.oracle.com mail.smcps.debugerzute mail.smcps.ucb+zruce mail.smcps.host=stbeehive.oracle.com BBOOW Next Finah Cancel	
System Status E Health of Running Servers Failed (0) Ortical (0) Overloaded (0) Overloaded (0) Warning (0) OK (2) OK (2)		



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

Name

FCUBSMailSession

JNDI Name

mail/FCUBSMail

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

Java Mail Properties

mail.host=<HOST_MAIL_SERVER>

Eg: samplename.mail.com

mail.smtps.port=<SMTPS_SERVER_PORT> Eg: 1010

mail.transport.protocol=<MAIL_TRANSFER_PROTOCOL>

Eg: smtps

mail.smtps.auth=true

mail.smtps.host==<HOST_SMTPS_MAIL_SERVER>

Eg: samplename.mail.com

6. Click 'Next'.



The following screen is displayed.

🖉 Create a New Mail Session - fcubs113	_domain - WLS Console - Windows Internet Explorer		
() - E http://10.184.74.143:8888/cor	nsole/console.portal?MailCreateMailSessionPortlet_actionOverride=/com/bea/console/actions/mail/createmailsession/deployTargets	Google	e Powered Pandion Search
File Edit View Favorites Tools Help McAfee			
🚖 🕸 🏀 Create a New Mail Session - fcubs1	13_domain - WLS	🖄 • 📾	• 🖶 • 🔂 Page • 🎯 Tools •
ORACLE WebLogic Server®	Administration Console		Q
Change Center	🔞 Home Log Out Preferences 🐼 Record Help	Welcome, weblogic	Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >JMS Modules >FCUBS SystemModule >NotifyDeetOCE >FCUBS SystemModule >NotifyDeetOCE >fcubs113 domain >Summary of Mail Sessio	05	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New Mail Session Back Viext Finish Cancel Mail Session Targets Image: Session Targets Image: Session Targets		
Domain Structure frubs112 domain ⊕ Environment Deployments ⊕ Environments ⊕ Environments ⊕ Hessigning →MS Servers →MS Nodules →MS Nodules →MS Nodules →Bald Services →Bald Services →Bals Sources →Bertifierts	This page indicates on which WebLogic Server instances or clusters the mail session is accessible. Only applications that have been session. When you target all or part of a cluster, the Administration Console initiates a two-phase deployment. In general, such a deployme fails for all active servers. Servers	deployed to the selected servers	or dusters can use this mail
How do L	Back Werd Finah Cancel		
Configure access to JavaMail			
Target mail sessions			
System Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
OK (2)			

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

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

- SMTP_HOST
- SMTP_USER
- SMTP_PASSWORD
- SMTP_JNDI

This can be achieved using the Oracle Banking UBS Installer.



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



7.4.2 Configuration of the TLS/SSL Trust Store for Weblogic Server

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

The certificate of the mail server needs to be specifically imported into the trust store configured for the Managed Server(s), as configured in the Oracle Banking payments 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).





Oracle Banking Payments Weblogic Configuration [November] [2018] Version 14.2.0.0.0

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