WebLogic Configuration Oracle FLEXCUBE Investor Servicing Release 14.5.3.0.0 [February] [2022]

FINANCIAL SERVICES

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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 <u>Setting up SSL on Oracle Weblogic</u>

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

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

1.3 Certificates and Keypairs

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

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

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

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

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

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

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



2. Choosing the Identity and Trust Stores

2.1 Introduction

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

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

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

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

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

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

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

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



3. Obtaining the Identity Store

3.1 Creating Identity Store with Self-Signed Certificates

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

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

3.1.1 Creation of Self-signed Certificate

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

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

keytool -genkeypair -alias *alias* -keyalg RSA -keysize 2048 -sigalg SHA256withRSA -validity 365 -keystore *keystore*

In the above command,

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

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

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



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

The key generation algorithm has been specified as RSA, the key size as 2048 bits, the signature algorithm as SHA256withRSA, and the validity days as 365. These can be changed to suitable values if the need arises. For further details, please refer to the documentation of the keytool utility in the JDK utilized by Oracle Weblogic Server.

Example

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

```
keytool -genkey -keystore FCUBSKeyStore.jks -alias cvrhp0729 -dname
"CN=10.10.10.0U=OFSS" -keyalg "RSA" -sigalg "SHA256withRSA" -
keysize 2048 -validity 1000
Enter keystore password: < Enter a password to protect the keystore >
Re-enter new password: < Confirm the password keyed above>
What is your first and last name?
  [Unknown]: cvrhp0729
What is the name of your organizational unit?
  [Unknown]: BPD
What is the name of your organization?
  [Unknown]: Oracle Financial Services
What is the name of your City or Locality?
  [Unknown]: Mumbai
What is the name of your State or Province?
  [Unknown]: Maharashtra
What is the two-letter country code for this unit?
  [Unknown]: IN
Is CN=cvrhp0729, OU=BPD, O=Oracle Financial Services, L=Mumbai,
ST=Maharashtra, C=IN correct?
  [no]: yes
Enter key password for <selfcert>
        (RETURN if same as keystore password):<Enter a password to
protect the key>
Re-enter new password: < Confirm the password keyed above>
```



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

3.2.1 Creation of Public and Private Key Pair

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

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

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

In the above command,

- 1. *alias* is used to identify the public and private key pair created. This alias is required later when configuring the SSL attributes for the managed servers in Oracle Weblogic Server.
- 2. *keyalg* is the key algorithm used to generate the public and private key pair. The RSA key algorithm is recommended.
- keysize is the size of the public and private key pairs generated. A key size of 2048 or more is recommended. Please consult with your CA on the key size support for different types of certificates.
- 4. *sigalg* is the algorithm used to generate the signature. This algorithm should be compatible with the key algorithm and should be one of the values specified in the Java Cryptography API Specification and Reference.
- 5. *valdays* is the number of days for which the certificate is to be considered valid. Please consult with your CA on this period.
- 6. *keystore* is used to specify the location of the JKS file. If no JKS file is present in the path provided, one will be created.

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

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



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

<u>Example</u>

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

```
keytool -genkey -keystore FCUBSKeyStore.jks -alias cvrhp0729 -dname
"CN=10.10.10.0U=OFSS" -keyalg "RSA" -sigalg "SHA256withRSA" -
keysize 2048 -validity 1000
Enter keystore password: < Enter a password to protect the keystore >
Re-enter new password: < Confirm the password keyed above>
What is your first and last name?
  [Unknown]: cvrhp0729
What is the name of your organizational unit?
  [Unknown]: BPD
What is the name of your organization?
  [Unknown]: Oracle Financial Services
What is the name of your City or Locality?
  [Unknown]: Mumbai
What is the name of your State or Province?
  [Unknown]: Maharashtra
What is the two-letter country code for this unit?
  [Unknown]: IN
Is CN=cvrhp0729, OU=BPD, O=Oracle Financial Services, L=Mumbai,
ST=Maharashtra, C=IN correct?
  [no]: yes
Enter key password for <cvrhp0729>
        (RETURN if same as keystore password):<Enter a password to
protect the key>
Re-enter new password: < Confirm the password keyed above>
```



3.2.2 Generating CSR

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

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

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

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

```
keytool -certreg -alias alias -file certreg_file -keystore keystore
```

In the above command,

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

Example

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

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

3.2.3 Obtaining Trusted Certificate from CA

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

3.2.4 Importing Certificate into Identity Store

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

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



Importing the Intermediate CA certificate

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

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

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

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

In the above command,

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

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

Listed below is a sample execution of the command

```
keytool -importcert -alias verisigntrialintermediateca -file
D:\keystores\VerisignIntermediateCA.cer -trustcacerts -keystore
D:\keystoreworkarea\FCUBSKeyStore.jks
Enter keystore password:<Enter the password used to access the
keystore>
```

Certificate was added to keystore

Importing the Identity certificate

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

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



In the above command,

- 4. *alias* is used to identify the public and private key pair. Specify the alias of the key pair used to create the CSR in the earlier step.
- 5. *cert_file* is the location of the file containing the PKCS#7 formatted reply from the CA, containing the signed certificate.
- 6. *keystore* is the location of the keystore containing the public and private key pair.

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

Listed below is a sample execution of the command

```
keytool -importcert -alias cvrhp0729 -file D:\keystores\cvrhp0729.cer
-trustcacerts -keystore D:\keystoreworkarea\FCUBSKeyStore.jks
Enter keystore password:<Enter the password used to access the
keystore>
Enter key password for <cvrhp0729>:<Enter the password used to access
the private key>
```

Certificate reply was installed in keystore

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



4. Configuring Identity and Trust Stores for Weblogic

4.1 Enabling SSL on Oracle Weblogic Server

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

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

4.2 Configuring Identity and Trust Stores

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

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



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

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

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

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



5. Setting SSL Attributes for Managed Servers

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

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

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



6. Testing Configuration

6.1 **Testing Configuration**

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

https://(Machine Name):(SSL_Listener_port_no)/(Context_root)

It is recommended that the Oracle FLEXCUBE INSTALLER SERVICING web application be accessed via the HTTPS channel, instead of the HTTP channel.



7. Creating Resources on Weblogic

7.1 Introduction

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

7.2 **Resource Administration**

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

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

7.2.1 Creating Data Source

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

7.2.1.1 Prerequisites

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

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

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

- Oracle Weblogic on Windows Box:
 - > Set {ORACLE_HOME} in the environment variable.
 - > Update the Environment Variable Path as {*ORACLE_HOME*}/*Instance Client*. This is required to load all the *.dll* files.
 - Ensure that the ojdbc*.jar file in {WL_HOME}/server/lib/ojdbc*.jar is the same as the file {ORACLE_HOME}/jdbc/lib/ojdbc*.jar. This is required for ensuring compatibility.
 - > Update PATH in *StartWebLogic.bat* or in *setDomainEnv.bat*. This must be the path of directory where Oracle Instant Client is installed.



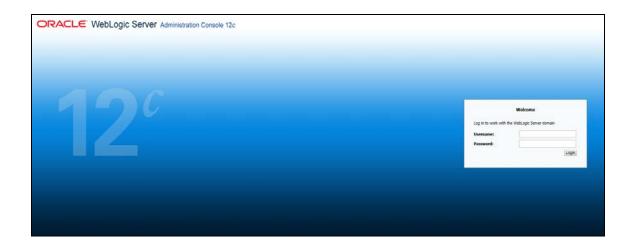
- Oracle Weblogic on Unix/Linux Box:
 - > Set {ORACLE_HOME} in the environment variable.
 - Update the environment variable LD_LIBRARY_PATH as {ORACLE_HOME}/lib. This is to load all the .so files.
 - Ensure that the ojdbc*.jar file in {WL_HOME}/server/lib/ojdbc*.jar is the same as the file {ORACLE_HOME}/jdbc/lib/ojdbc*.jar. This is to ensure compatibility.
 - > Update *LD_LIBRARY_PATH* in *StartWeblogic.sh* or in *setDomainEnv.sh*. This must be the path of directory where Oracle Instant Client is installed.
 - If you are still not able to load the .so files, then you need to update the EXTRA_JAVA_PROPERTIES by setting Djava.library.path as {ORACLE_HOME}/lib in StartWebLogic.sh or in setDomainEnv.sh.

7.2.1.2 XA Enabled Data Source for Gateway Application (MDB)

Follow the steps given below:

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

http://10.10.10.10:1001/console Eg: <u>http://10.10.10.10:1001/console</u>





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

Navigate to Oracle Weblogic home page.

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	Environment	 Store-and-Forward Agents 	
	Servers	 JHS Modules 	Disgnostics
	Ousters	 Path Services 	Log Files
	Virtual Hosts	 Bridges 	Diagnostic Modules
	Migratable Targets	Data Sources	Diagnostic Images
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2. Click 'LOCK & EDIT'.

Following screen is displayed:

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-	borrow a database connection from a dat	Contraction and the second second		
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Deployments	Customize this table			
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Persistent Stores				
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XML Entity Caches 	FCUBS113Branch	Generic	jdbc/fcjdevDGBrandh	ManagedServer1
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3. Expand 'Services' and then 'Data Sources' under it. Click 'Lock & Edit' button.



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

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5. Specify the following details:

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

6. Click 'Next'.

The following screen is displayed:



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

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

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

The following screen is displayed.

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Wat Restore Image: Control of C	Coherence Clusters	URL:	idhe events this (210.10.10	
Store 5.1. Database: User Name: FCPB1121 Context: ILR multicle 2.0C data sources What is the distabase account password to use to reade database connectorse? System Status: Pole for source password management, enter the password field instead of the Properties field below) Password: Password: Onthe lawse(10) Confirm Password: Onthe lawse(10) Password: What are the properties to pass to the 200C dhirer when oreasing database connections? Properties: User = FCFB1121 User = FCFB1121 Image: Confirm Password:			Jube oracle minegro. 10.10	
Crede LIR- ended LIRC data sources Crede LIR- ended LIRC data sources What is the database account passion of to use to oreaste database connections? What is the database account passion of to use to oreaste database connections? (betr: for source passion of the view the passion of th	How do I	What database account user name do you we	ant to use to create database connections?	
System Status: What is the distable account passing of the use to create distables connections? System Status: Passed of Surving Servers: Passed of Surving Servers: Passed (0) One-table(0) Control (0) Overtable(0) What is the the passe of the the passe of t	Create IDBC data sources	Database User Name:	FCPB1121	
Packet (0) Control (0	Create LLR-enabled 3DBC data sources	What is the database account password to us	se to create database connections?	
Falled (0) Collection (0) Collection (0) Confirm Password: Warring (0) What are the properties to pass to the XDBC driver when oreasing database connections? Warring (0) Properties: User = FCFB1121	System Status	(Note: for secure password management, en	ter the password in the Password field instead of the Properties field below)	
Plate (0) Critical (0) Oriverbacked (0) Wind are the properties to pass to the XBC driver when oresting database connections? What are the properties: Use z = FCFB1121	Health of Running Servers	5		
Overlawide (i) Confirm Password: Winny (ii) What are the properties to pass to the XDBC driver when oreasing database connections? Properties: User=FCFB1121	Faled (0)	Password:		
OK (1) What are the properties to pase to the XDBC driver when oreating database convectors? Properties: user=FCFB1121	Overloaded (0)	Confirm Password:	•••••	
user=FCFB121				
What table name or SQL statement would you like to use to test database connections?		user-FCPB1121		
Test Table Name-			a like to use to test database connections?	

12. Specify the Driver Class Name (Eg: oracle.jdbc.OracleDriver)



- 13. Specify the URL.
- 14. jdbc:oracle:thin:@10.10.10.10:1001:<INSTANCE_NAME>Specify the Database Username (Eg: FCPB1121) and password.
- 15. Confirm the password.
- 16. Click 'Test Configuration' tab.

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

🕈 🕸 🖉 Create a New 3DBC Data Source	- foubs113_domain		🛐 🔹 🔂 🐘 👘 🖓 Bage + 🌍 Tgols +
	Administration Console		9
hange Center	🔒 Home Log Out Preferences 🖂 Record Help	Q.	Welcome, weblogic Connected to: fcubs113_domain
New changes and restarts	Home > Summary of 3DBC Data Sources		
	Hessages		
io pending changes exist. Click the Release Configuration button to allow others to edit the Iomain.	Connection test succeeded.		
L004 & Edit	Create a New JDBC Data Source		
Release Configuration	Test Configuration Back Next Finish	Cancel	
Iomain Structure	Test Database Connection		
ubs113_domain	Test the database availability and the connection :	properties you provided.	
Environment Deployments	What is the full package name of JDBC driver class	used to create database connections in the connection pool?	
P-Deployments P-Services	A		
B Messaging	(Note that this driver class must be in the classpath	or any server to wrach is depoyed.)	
Data Sources	2017 000 000 000		
Persistent Stores	Driver Class Name:	oracle.jdbc.OracleDriver	
- Foreign 3NDI Providers			
-Work Contexts	What is the URL of the database to connect to? The	e format of the LRL varies by IDBC driver.	
XML Registries			
TXML Enbty Caches	URL:	jdbc:oraclethin:@10.10.10.	
-Mail Sessions		lene oracia min (B10, 10, 10,	
Fie T3	What database account user name do you want to	use to create database connections?	
ow do I			
Create 308C generic data sources	Country of the sector	FCPB1121	
Create LLR-enabled 3DBC data sources	What is the database account password to use to o	reate database connections?	
vstem Status	(Notes for secure password management, enter the	e password in the Password field instead of the Properties field below)	
salth of Running Servers	Access of the second seco		
aren or kunning bervers	Password:		
Failed (0)			
Critical (0)	Confirm Password:	[
Overloaded (0)		••••••	
Warning (0)	The set of the second set is set of the West of the	where examine details are second in a 1	
	What are the properties to pass to the 3DBC driver	when creating response connections.	
OK (2)	Properties:		
	user=FCFB1121		
		10	
		11.777	
			Local intranet 🔍 100%



17. Click 'Next'.

The following screen is displayed:

😭 🕸 🌈 Create a New 3DBC Data Source -	trubs113_domain		🍓 + 🖾 🛛 🖶 + 🔂 Bage + 🕲 Tgols + "
	Administration Console		Q
Change Center	😭 Home Log Out Preferences 🔜 Record Help	Q	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources		
No pending thanges exist. Clok the Release Configuration button to allow others to edit the domain.	Create a New JDBC Data Source		
Release Configuration	Select Targets You can select one or more targets to deploy your new 3DBC o later time.	data source. If you don't select a target, the	data source will be created but not deployed. You will need to deploy the data source at
Domain Structure fcubs113_doman	Servers		
Environment Deployments Services	AdminServer		
Hessaging Onto Sources Persistent Stores Foreign 2010 Providers	HanagedServer1		
Work Contexts XML Registries XML Entity Coddes JCOM Mail Sessions - Frice T3	Back Teers Finan Cancel		
How do L.			
Create 308C generic data sources Create U.R. enabled 308C data sources			
System Status			
Health of Running Servers			
Faled (0)			
Critical (0)			
Overloaded (0)			
Warning (0) OK (2)			
CR (2)			

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

DRACLE WebLogic Serve	er® Administration Console			C
hange Center	Home Log Out Preferences In Record	Help	4	Welcome, weblogic Connected to: fcubs113_doma
iew changes and restarts	Home >Summary of 3DBC Data Sources	10.00		
nding changes exist. They must be activate take effect.	Summary of JDBC Data Sources			
Activate Changes	Configuration Monitoring			
Undo All Changes	A 3DBC data source is an object bound to the borrow a database connection from a data	te 20DI tree that provides databa	se connectivity through a pool of 3DBC connect	tons. Applications can look up a data source on the JNDI tree and then
main Structure	This page summarizes the JDBC data source		this down	
os113_domain	Ins page summarizes the JUBC data source	collects met velle peeu cleated	ראפינופרא.	
Environment. Deployments	P Customize this table			
Deployments Services	P Customize this table			
19 Messaging	Data Sources (Filtered - Hore Column	s Exist)		
Data Sources	New - Drinte			Showing 1 to 3 of 3 Previous Next
Persistent Stores	new Contraction			showing 1 to 3 or 3 interious (next
Foreign 3hD1 Providers Work Contexts	🔲 Name 👄	Туре	JNDI Name	Targets
XML Registries XML Entity Caches	POJ85113	Generic	jdbc/fcjdev06	ManagedServer1
Mai Sessions	CU851138rench	Generic	jdbc/fcjdevOSBranch	ManagedServer1
File T3	SI ALDITEST.WORLD	Generic	PLEXTEST.WORLD	AdminServer
Dreate 308C generic data sources	New Y Delete			Showing 1 to 3 of 3 Previous Next
Dreate JUBU generic data sources Dreate 3DBC GridLink data sources	And a second sec			
Create JOBC multi data sources	·			
Delete 308C data sources				
Delete 308C multi data sources				
stem Status	B			
sith of Running Servers				
Failed (0)				
Failed (0) Critical (0)				
Failed (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	s - fcubs113_dom	ain			🙀 • 🔝 · 👘 • 🕞 Bage - 🎱 Tgols
	Administra	ation Console			0
hange Center	😥 Hom	e Log Out Preferences 🖾 Record Help	6		Welcome, weblogic Connected to: fcubs113_domain
iew changes and restarts lick the Lock & Edit button to modify, add or elete items in this domain.	Hessage	Sommary of JDBC Data Sources es changes have been activated. No restarts are no	ecessary.		
Lock & Edit	Summar	ry of JDBC Data Sources			
	promotion and a second	uration Monitoring			
ball2, domain Environment "Decloyments "Services Phressaging Parssant Stores Proreg JIDI Poviders "Work Contexts "Work Contexts "Work Contexts "Work Contexts	This pi P Custo Data 1 Click th	a database connection from a data source. age summarzes the JDBC data source objects the sources (Filtered - Nore Columns Exist) he Lock & Editbutton in the Change Center to a Content			Showing 1 to 3 of 3 Previous Hext
- JCOM	1 MEW	tered, kielesseinik.	Law.		
-Mail Sections	•	Name 🖗	Түре	JNDI Name	Targets
-Mail Sessions File T3		FOUBS113	Generic	jdbc/fcjdev@G	ManagedServer1
HF/eT3	8				
H-F/eT3 aw do I Create XX8C generic data sources		FCu851138randh	Generic	jdbc/fcjdevOSBranch	MenagedServer1
-F/eT3			Generic Generic	jdbc/fcjdevOSBranch PLEXTEST.WORLD	MenagedServer1 AdminServer
File T3 aw do I Create XDBC generic data sources Create XDBC GridLink data sources		FCu85113Branch			
File T3 wr do L Create 208C generic data sources Create 208C Gridunk data sources Create 208C unit data sources Delete 208C data sources		PCL85113Branch PLEXTEST.WORLD			AdminServer
File T3 w do 1 Create 206C genetic data sources Create 206C Gendunk data sources Orable 206C multi data sources Delete 208C data sources Delete 208C data sources Stem Status		PCL85113Branch PLEXTEST.WORLD			AdminServer
File T3 w do T Create 2005 Circlar's data sources Create 2005 Circlar's data sources Orate 2005 Circlar's data sources Detete 2005 Circlar's data sources better 2005 circlar sources stem Status failed (0)		PCL85113Branch PLEXTEST.WORLD			AdminServer
Pfielt 3 wd of L Control (Althouse) Control (Althouse)		PCL85113Branch PLEXTEST.WORLD			AdminServer
File T3 we do T. Create 2006 generic data sources Create 2006 Circlar's data sources Deate 2006 Circlar's data sources Delate 2006 Circlar Sources Delate 2006 Circlar Sources stem Status failed (t)		PCL85113Branch PLEXTEST.WORLD			AdminServer

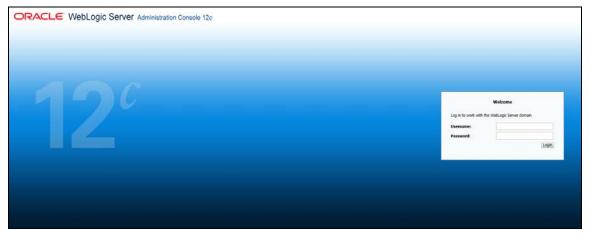
20. 'FLEXTEST.WORLD' datasource has been created.



7.2.1.3 Non-XA Enabled Data Source For FCIS Application

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

http:10.10.10.101/console Eg: http://10.10.10.101/console



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



3. Navigate to Oracle Weblogic home page.

DRACLE WebLogic Server® A	dministration Console		Ģ
hange Center	🙆 Home Log Out Preferences 🔛 Record Help	9.	Welcome, weblogic Connected to: fcubs113_doma
view changes and restarts	Home		
Tick the Lock & Edit button to modify, add or selete items in this domain.	Home Page		
Lock & Edit	Information and Resources		
Reference Configuration	Helpful Tools	General Information	
	 Configure applications 	 Common Administration Task Descriptions 	
omain Structure	 Configure GridLink for RAC Data Source 	 Read the documentation 	
ubs113_domain	 Recent Task Status 	 Ask a question on My Grade Support 	
Environment	 Set your console preferences 	Orade Guardian Overview	
- Deployments B-Services	Domain Configurations		
Security Realms	Domain	Services	Interoperability
P-Interoperability	Domain	Messaging	WTC Servers
Polagnostics		 JHS Servers 	Jolt Connection Pools
	tovironment	 Store-and-Forward Agents 	
	Servers	 JHS Modules 	Diagnostics
	Custers	 Path Services 	Log Files
	Virtual Hosts	 Bridges 	Diagnostic Modules
	Migratable Targets	Data Sources	Diagnostic Images
lum da t	Coherence Servers	Persistent Stores	Request Performance
low do I	Coherence Clusters	XML Repistries	Archives
Search the configuration	Machines	XML Entity Caches	Context
Use the Change Center	Work Managers	Foreign 3NDL Providers	• SIMP
Record WLST Scripts	Startup And Shutdown Classes	Work Contexts	107
Change Console preferences		• ICOM	Charts and Graphs
Monitor servers	Your Deployed Resources	Mail Sessions	Monitoring Dashboard
	Deployments	• FleT3	• Pointing concours w
ystem Status	Deportions	• JTA	
ealth of Running Servers	Your Application's Security Settings		
Faled (0)	Security Realms		
Critical (0)			
Overloaded (0)			
Warning (0) OK (2)			

The following screen is displayed:

🎸 🍄 🄏 Summary of 3DBC Data Sources - fi	oubs113_domain			🗿 • 🖾 - 🖶 • 🔂 Bage - 🕲 Tgols
ORACLE WebLogic Server®	Administration Console			0
Change Center	Home Log Out Preferences 🔤 Re	scord Help	Q.	Welcome, weblogic Connected to: fcubs113_domai
lew changes and restarts	Home >Summary of JDBC Data Source	rs.		
pending changes exist. Click the Release	Summary of JDBC Data Sources			
infiguration button to allow others to edit the main.	Configuration Monitoring			
Lock & Lot				
Release Configuration	A 3DBC data source is an object bound borrow a database connection from a	to the JNDI tree that provides datab data source.	ese connectivity through a pool of 306C conne	ectors. Applications can look up a data source on the JHOI tree and then
omain Structure	This page summarizes the JOBC data s	ource objects that have been created	I in this domain.	
ubs113_domain				
Environment Deployments	© Customize this table			
- Services	Data Sources (Filtered - Hore Col	umns Exist)		
H-Messaging Data Sources	New - Dente			Showing 1 to 2 of 2 Previous Next
-Persistent Stores	- united to a second	1		
Foreign 3NDI Providers Work Contexts	🔲 Name 🏟	Туре	JNDI Name	Targets
XML Registries	FCUBS113	Generic	jdbc/fcjdev05	ManagedServer1
XML Entity Caches gCOM	FCUBS113Branch	Generic	;dbc/fcjdev058ranch	ManagedServer1
Mail Sessions				
	New Y			Showing 1 to 2 of 2 Previous Next
tow do I				
Create 3DBC generic data sources				
Create 308C GridLink data sources Create 308C multi data sources				
Delete 308C data sources				
Delete 308C multi data sources				
	1			
ystem Status				
ealth of Running Servers				
Faled (0)				
Critical (0)				
Overloaded (0)				
Warning (0)				
OK (2)				



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

ORACLE WebLogic Server®	Administration Console			0
Change Center	🙆 Home Log Out Preferences 🖾 Record Help		9	Welcome, weblogic Connected to: fcubs113_doma
View changes and restarts	Home >Summary of JDBC Data Sources			
No pending changes exist. Click the Release Configuration button to allow others to edit the	Summary of JDBC Data Sources			
computation button to allow others to edit the domain.	Configuration Monitoring			
Lock & Edd				
Release Configuration	A 3DBC data source is an object bound to the 3NDI tr borrow a database connection from a data source.	ee that provides datab	ase connectivity through a pool of 308C connec	ctons. Applications can look up a data source on the JNDI tree and then
Domain Structure	This page summarizes the JDBC data source objects t	that have been creates	In this domain.	
foubs113_domain				
Environment Deployments	P Customize this table			
B Services	Data Sources (Filtered - Hore Columns Exist)			
B-Messaging	New. Cente			Showing 1 to 2 of 2 Previous Next
Persistent Stores	Generic Data Source			and the set of the set
-Foreign 31DI Providers -Work Contexts	Gridunk Data Source	Type	JNDI Name	Targets
-XML Registries	Multi Data Source	Generic	jdbc/fcjdevDS	ManagedServer1
XML Entity Caches				
Mal Sessions	FCUBS113Brandh	Generic	jdbc/fcjdevDSBranch	ManagedServer1
Fie T3	New 🗠 Delete			Showing 1 to 2 of 2 Previous Next
How do L.,				
Create 308C generic data sources	-			
Create 30BC GridLink data sources				
Create 306C multi data sources				
Delete 308C data sources Delete 308C multi data sources				
Delete JUBC multi data sources				
System Status				
Health of Running Servers				
Faled (0)				
Critical (0)				
Overlaaded (0)				
Warning (0)				

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

🕈 🐼 🔹 🍘 FCUBSWiki - Enabling Deb	ug 🖉 Create a New JDBC Data X	🟠 🔹 🔂 👘 🎰 🖓 Bage + 🎯 Tgols
	Administration Console	Q
Change Center	😧 Home: Lag Out: Preferences 🔛 Record: Help	Welcome, weblogic Connected to: fcubs113_domain
view changes and restarts	Home +Summary of JDBC Data Sources +FCUBS113 +Summary of Deployments +FCUBS113Dev +Summary of	f Deployments >Summary of JOBC Data Sources >FCUBS113 >Summary of JDBC Data Sources
Pending changes exist. They must be activated to take effect.	Create a New JDBC Data Source	
Activate Changes	Each Next Finish Cancel	
Undo All Changes	JDBC Data Source Properties	
omain Structure	The following properties will be used to identify your new JDBC data source. * Indicates required fields	
ubs113_domain		
Deployments	What would you like to name your new 3DBC data source?	
BrServices BrHessaging Data Sources	de Name: FCUBSDS	
Persistent Stores Foreign 3/DI Providers Work Contexts	What 2HDI name would you like to assign to your new JDBC Data Source?	
XML Registries XML Entity Caches ICOM Mail Sessons File T3	d€ JUDI Name: jdbc/žojdevDS	
iow do L		
Create JDBC generic data sources Create LLR-enabled JDBC data sources	What database type would you like to select?	
vstem Status	Database Type: Oracle	
ealth of Running Servers	Back Next Frian Cancel	
Faled (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
OK (2)		



6. Specify the following details:

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

7. Click 'Next'.

🙀 🕸 🖉 Create a New JDBC Data Source -	fcubs113_doman		🏠 • 🔝 - 👼 • 🔂 Bage • 🍏 Tgols • 🏅
ORACLE WebLogic Server®	Administration Console		0
Change Center	A Home Log Out Preferences 🖾 Record Help	9	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Sommany of JDBC Data Sources		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock&Set Release Configuration	Create a New JOBC Data Source Back Next Finant Cancel JOBC Data Source Properties The following properties will be used to identify your new JOBC	C data source.	
Domain Structure	Database Type: Orade		
Classification x Debolowment	What database driver mould you like to use to onsate database Database Driver: Constitut Driver (Thin) for Inste Back Mest Triver Cance	connections? Note: * indicates that the ance connections, Versions 9.0.	
How do I			
Create JDBC generic data sources Create LLR-enabled JDBC data sources			
System Status			
Health of Running Servers			
Failed (0) Critical (0) Overloaded (0) Warning (0) CK (2)			



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

😤 🔗 🌈 Create a New 3DBC Data Source - I	rubs113_domain		💁 • 🖾 - 📾 • 🔂 Bage • 🕲 Tgols •
	Administration Console		Q
Change Center	🚷 Home Log Out Preferences 🔙 Record Help	9	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sources		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create a New JOBC Data Source		
Release Configuration	You have selected non-XA 3DBC driver to create database com	ection in your new data source.	
Domain Structure	Does this data source support global transactions? If yes, please	choose the transaction protocol for this	data source.
foubs113_domain	Supports Global Transactions		
B-Services B-Messaging Data Sources	Select this option if you want to enable non-XA JDBC connections Recommended in place of Emulate Two-Phase Commit.	from the data source to participate in gi	obal transactions using the Logaria Last Resource (LIR) transaction optimization.
Persistent Stores Foreign JHDI Providers Work Contexts	Logging Last Resource Select this onton if you want to enable popula 100° connections	from the data source to any late particle	vetion in global transactions using JTA. Select this option only if your application can tolerate
-XML Registries -XML Entity Caches 	heuristic conditions.		
Mail Sessions	Emulate Two-Phase Commit		
How do I	Select this option if you want to enable non XA 3DBC connections other resources can participate in the global transaction.	from the data source to participate in gi	obal transactions using the one phase commit transaction processing. With this option, no
Create 308C generic data sources Create LLR-enabled 308C data sources	One-Phase Commit		
System Status	Back Next Cancel		
Health of Running Servers	L		
Faled (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
CK (2)			

Following screen is displayed:

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

🔗 🎢 Create a New 3DBC Data Source -	fcubs113_domain		🙆 * 🔂 - 🖶 * 🔂 Baga - 🔕 Tga
	Administration Console		c
hange Center	Home Log Out Preferences Record Help	9	Welcome, weblogic Connected to: fcubs113_dom
iew changes and restarts	Home -Summary of JDBC Data Sources		
o pending changes exist. Click the Release onfiguration button to allow others to edit the omain.	Create a New JDBC Data Source Back Next Front Cancel		
- Leis & Edil	Connection Properties		
Heease Configuration	Define Connection Properties.		
omain Structure	What is the name of the database you would like to connect to?		
ubs113_domein	Database Name:	KERDEV2	
Services Messaging Data Sources	What is the name or IP address of the database server? Host Name:	10.10.10.10	
Persistent Stores Foreign JNDI Providers Work Contexts XML Registries	What is the port on the database server used to connect to the d		
XML Entity Cadhes 	Ports	1010	
Mail Sessions File T3	What database account user name do you want to use to create	database connections?	
ow do 1	Database User Name:	FCP81121	
Create JDBC generic data sources Create LLR-enabled 3DBC data sources	What is the database account password to use to create databas	e connections?	
ystem Status	Password:		
ealth of Running Servers	Confirm Password:		
Faled (0) Critical (0)	Back Next From Cancel		
Overloaded (0) Warning (0)			

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



Create a New JDBC Data Source	e - fcubs113_domain		🗿 🔹 🔂 👘 👘 🖓 Bage - 🕥 Tgols -
	Administration Console		<u>o</u>
hange Center	A Home Log Out Preferences 🐼 Record Help	9	Welcome, weblogic Connected to: fcubs113_domai
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.	and the second s	ancel	
Release Configuration	Test Database Connection Test the database availability and the connection pr	roperties you provided.	
Iomain Structure	What is the full package name of IDBC driver class up	sed to create database connections in the connection pool?	
foubs113_domain	Note that this driver class must be in the classpath of	of any server to which it is deployed.)	
Services B Messaging Data Sources	Driver Class Name:	oracle.jdbc.OracleDriver	
Persistent Stores	What is the URL of the database to connect to? The	format of the URL varies by 3DBC driver.	
- Foreign 3NDI Providers - Work Contexts - XML Registries	URL:	jdbc:oracle:oci:@10.10.10	
XML Entity Caches 	What database account user name do you want to u		
Fie T3	Database User Name:	FCPB1121	
low do L	What is the database account password to use to on	eate database connections?	
Create 3DBC generic data sources Create LLR-enabled 3DBC data sources	Ølotes for secure password management, enter the	password in the Password field instead of the Properties field by	daw)
System Status	Password:	••••••	
Health of Running Servers Failed (0)	Confirm Password:	•••••	
Critical (0) Overloaded (0)	What are the properties to pass to the 3DBC driver v	ihen creating database connections?	
Warning (0) OK (2)	Properties: user=FCPB1121		
	The set of driver properties whose values are derive	d at runtime from the named system property.	
	Exchan Bunnahine		

- 13. Specify the Driver Class Name (Eg: oracle.jdbc.OracleDriver)
- 14. Specify the URL.

Default URL: jdbc:oracle:thin:@10.10.10.10:1001:<INSTANCE_NAME>. Change the default URL to: jdbc:oracle:oci:@10.10.10.10:1010:<INSTANCE_NAME>

- 15. Specify the Database Username (Eg: testdb) and password.
- 16. Confirm the password.
- 17. Click 'Test Configuration' tab.



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

🔗 🖉 Create a New JDBC Data Source	e - fcubs113_domain		🐴 🔹 🖾 👘 👘 🔂 Bage • 🎱 Tgols •
	r [®] Administration Console		Q.
hange Center	A Home Log Out Preferences Record Help	9	Welcome, weblogic Connected to: fcubs113_domain
ew changes and restarts	Home Summary of JDBC Data Sources		
pending changes exist. Click the Release	Messages		
onfiguration button to allow others to edit the	e Connection test succeeded.		
Lock & Fol	Create a New JDBC Data Source		
Release Configuration	Test Configuration Back Next Finish Cancel		
omain Structure	Test Database Connection		
bs113 domain	Test the database availability and the connection propert	ies you provided.	
Environment	What is the full package name of JDBC driver class used to	mante distribute connections in the connection and	
Deployments			
Services	(Note that this driver class must be in the classpath of any	server to which it is deployed.)	
Data Sources			
Persistent Stores	Driver Class Name:	oracle.jdbc.OracleDriver	
Foreign 2NDL Providers Work Contexts			
XML Registries	What is the URL of the database to connect to? The forma	t of the URL varies by 306C driver.	
WIL Entity Caches	URL:		
	Und.	jdbc oracle oci @10.10.10	
F(e T3	What database account user name do you want to use to -	create database connections?	
ow do L.	Database User Name:	1	
Create 3DBC generic data sources		FCPB1121	
Create LLR-enabled 3DBC data sources	What is the database account password to use to create d	atabase connections?	
ystem Status	Prote: for secure password management, enter the passw	ord in the Password field instead of the Properties field below)	
ealth of Running Servers	Password:		
Faled (0)	rassiuru.	••••••	
Critical (0)			
Overloaded (0)	Confirm Password:	***************	
Warning (0)	What we like properties to short to the WEP do as when a	and an additional and a second second	
Warning (u) OK (2)	What are the properties to pass to the 3DBC driver when o	rearry nerosest connectors.	
UK (2)	Properties:		
	user=FCFB1121	1273	
			Local intranet 🗮 100%

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

🔅 Create a New JDBC Data Source -	feubs113_domain	💁 • 🖾 - 👼 • 🔂 Bage • 🎱 Tgols
DRACLE WebLogic Server	Administration Console	Q
hange Center	🙆 Home Log Out Freferences 🖾 Record Heb	Welcome, weblogic Connected to: fcubs113_doma
iew changes and restarts	Harre > Summary of JDBC Data Sources	
is pending changes exist. Click the Release onfiguration builton to allow others to edit the omain.	Create a New JOBC Data Source Back Finit Finit Cancel	
Release Configuration	Select Targets You can select one or more targets to deploy your new JDBC data source. If you don't select a targ a fater time.	pet, the data source will be created but not deployed. You will need to deploy the data source at
omain Structure		
bs113_domain + Environment Deployments	Servers	
Services	AdminServer	
H Messaging Data Sources Persistent Stores	HanagedServer1	
Foreign 3NDI Providers Work Contexts XML Registries XML Entity Caches	Back Tiert Frank Garces	
w do I 🗉		
Create 308C generic data sources Create LLR-enabled 308C data sources		
stem Status 🛛		
alth of Running Servers		
Faled (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		



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

	er® Administration Console			0
Change Center	🕜 Home Log Out Preferences 🐼 Reco	d Help	2	Welcome, weblogic Connected to: fcubs113_doma
View changes and restarts	Home +Summary of JDBC Data Sources			
Pending changes exist. They must be activate to take effect.	d Summary of JDBC Data Sources			
Activate Changes	Configuration Monitoring			
Undo Ali Changes	borrow a database connection from a dat This page summarizes the JDBC data sour IP Customize this table	a source. se objects that have been created		ris. Applications can look up a data source on the $\mathcal{H}\mathcal{D}'$ thee and then
(B) Messaging	Data Sources (Filtered - Hore Colum	ns Exist)		
Data Sources Persistent Stores	New y			Showing 1 to 3 of 3 Previous Next
Foreign 3NDI Providers Work Contexts	🔲 Name 🗠	Туре	JNDI Name	Targets
XML Registries XML Entity Caches	POUBS113	Generic	jdbc/frjdevDS	ManagedServer1
	PCUBS113Branch	Generic	jdbc/fcjdevOS8ranch	ManagedServer1
How do Lu	E PLEXTEST.WORLD	Generic	PLEXTEST.WORLD	AdminServer
now do I	New y. Delete			Shaving 1 to 3 of 3 Previous Next
Create 308C generic data sources Create 308C GridLink data sources				
Create 306C multi data sources				
Delete JDBC data sources				
 Delete 3DBC multi data sources 				
System Status	8			
Health of Running Servers				
Faled (0)				
Critical (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.

ORACLE WebLogic Serve	r ^e Administration Console			0
Change Center	👔 🕼 Home Log Out Preferences 🐼 Record	Heb	a.	Welcome, weblogic Connected to: fcubs113_doma
View changes and restarts Click the Lock & Edit button to modify, add or	Home > Summary of JDBC Data Sources Messages	la de		
lelete items in this domain.	All changes have been activated. No res	tarts are necessary.		
Lock & Edit	Summary of 3DBC Data Sources			
Reveale Configuration	Configuration Monitoring			
Brunversent Deployments Services Services Protocology Pata Sources Persistent Source Provide Sources -Work Contexts -Work Contexts -Work Contexts	 borrow a database connection from a data This page summarises the 200C data source Customize this table Data Sources (Filtered - Hore Column Cick the Lack & Ediffusition in the Change 	source. • objects that have been created • Exist)	n this domain.	ns. Applications can look up a data source on the JIDI tree and then
XML Entity Caches JCOM	Item - Deme			Showing 1 to 3 of 3 Previous Next
- Mail Sessions - File T3	🚽 🗌 Name 🙃	Туре	JNDI Name	Targets
iow do I	B FOUES113	Generic	jdbc/fcjdevDS	ManagedServer I
Create 308C generic data sources	FCU851138randh	Generic	jdbc/fcjdevDSBranch	ManagedServer1
Create JDBC Gridunk data sources Create JDBC multi data sources	PLEXTEST.WORLD	Generic	FLEXTEST.WORLD	AdminServer
Delete 308C data sources Delete 308C multi data sources	New - Celete			Showing 1 to 3 of 3 Previous Next
System Status	8			
lealth of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0) Warning (0)				

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



Change Center	Home Log Out Preferences	Record Help		Q		Welcome, weblogic Connected to: DefaultDon
/iew changes and restarts	Home > Summary of Services: JDBC	>Summary of JDBC	Data Sources »fo	devDS > Summary of	Services: JDBC > Summ	ary of JDBC Data Sources >fejdevDS >Summary of JDBC Data Sources >fejdevDS
Configuration editing is enabled. Future	Settings for fcjdevDS					
hanges will automatically be activated as you addify, add or delete items in this domain.	Configuration Targets Mon	itoring Control	Security No	tes		
omain Structure	General Connection Pool	Transaction Diag	nostics Identi	ty Options		
FaultDomain A	Save					
Benders Bervices Bervices Berssogng Bersson Stores Foreign JNDI Providers	The connection pool within a 3DB within it are created when the co Use this page to define the config	nnection pool is reg	pstered, usually s	when starting up Web	t applications reserve, bLogic Server or when	use, and then return to the pool. The connection pool and the connections deploying the data source to a new target.
Coherence Clusters Work Contexts Work Registries	de url:	jdbc:oracle:o	ici:@10.10.10.	10:1010:CPU11G	2	The URL of the database to connect to. The format of the URL varies by 3DBC driver. More ${\rm Info}_{\rm co.}$
XML Entity Caches 	a을 Driver Class Name:	oracle.jdbc.0)racleDriver			The full package name of IDBC driver class used to create the physical database connections in the connection pool. (Note that this driver class must be in the classpath of any server to which it is deployed.) More Info
ow do Im						
Create JDBC data sources Configure testing options for a JDBC data source Configure the statement cache for a JDBC connection goal	<pre>Properties: user=FC1202tune</pre>					The fail of properties passed to the JDPC driver that are used to create physical disbase connectors. For example, server-doserver1. Ust each property-value pair on a separate line. More Info
Configure credential mapping for a 3DBC data source				i		
ystem Status	of Password:					The password attribute passed to the JUBC driver when creating physical database connections. More Info
Failed (0)	Confirm Password:					
Critical (0) Overloaded (0)	Initial Capacity:	1				The number of physical connections to create when creating the connection pool. More Info
Warning (0) OK (1)	Maximum Capacity:	15				The maximum number of physical connections that this connection pool can contain. More Info
	Capacity Increment:	1				The number of connections created when new connections are added to the connection pool. More Info
	🕂 Statement Cache Type:	LRU -				The algorithm used for maintaining the prepared statements stored in the statement cache. More Info
	Statement Cache Size:	200				The number of prepared and callable statements stored in the cache. (This may increase server performance.) More Info
	- Advanced					
	Save					

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

Pote the following

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



7.2.1.4 Scheduler Data Source configuration

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

Example

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

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

Equivalent Data source setup for scheduler will be

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

7.2.2 JMS Server Creation

Follow the steps given below:

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

http://10.10.10.10.1001/console Eg: http://10.10.10.101001/console



Following screen is displayed:

ORACLE WebLogic Server Administration Console 12c		
12 ^c	Welcom Log in to work with the Welcogic Sorver domain Username: Password:	Logn

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

DRACLE WebLogic Serve	Administration Console		
sange Center	🔒 Home Log Out Preferences 🖾 Record Help	9	Welcome, weblogic Connected to: fcubs113_doma
iew changes and restarts	Home		
ick the Lock & Edit button to modify, add or dete items in this domain.	Home Page		
Lock & Edit	- Information and Resources		
	Helpful Tools	General Information	
	Configure applications	 Common Administration Task Descriptions 	
main Structure	 Configure Gridunk for RAC Data Source 	 Read the documentation 	
main structure bs113 domain	 Recent Task Status 	 Ask a question on My Oracle Support 	
Environment	 Set your console preferences 	Orade Guardian Overview	
Deployments Services	- Domain Configurations		
Security Realms	Domain	Services	Interoperability
Interoperability	Domain	Messaging	WTC Servers
Diagnostics		 JMS Servers 	Jolt Connection Pools
	Environment	 Store-and-Forward Agents 	
	Servers	 JHS Modules 	Diagnostics
	Ousters	 Path Services 	Log Fles
	Virtual Hosts	 Bridges 	Diagnostic Modules
	Migratable Targets	Data Sources	Diagnostic Images
w do L.	Coherence Servers	 Persistent Stores 	 Request Performance
W 00 I	Coherence Clusters	 XML Registries 	Archives
Search the configuration	Machines	 XML Entity Caches 	Context
Use the Change Center	Work Managers	 Foreign 24D1 Providers 	• 5MP
Record WLST Scripts	Startup And Shutdown Classes	 Work Contexts 	
Change Console preferences		 JCOM 	Charts and Graphs
Monitor servers	Your Deployed Resources	 Mail Sessions 	Monitoring Deshboard
	Deployments	FleT3	
item Status		• JTA	
ith of Running Servers	Your Application's Security Settings		
Faled (0)	Security Realms		
Critical (0)			
Overloaded (0)			
Warning (0)			



4. Following screen is displayed:

😵 🍘 Summary of JMS Servers - foubsi	113_domain - WLS C			6	🔹 🗉 🐇 👘 🔹 🔂 Bage 🔹 🍏 Tgols
	Administration Console				G
hange Center	Home Log Out Preferen	ces 🐼 Record Help	9	Welcome,	weblogic Connected to: fcubs113_doma
View changes and restarts	Hame > Summary of JDBC Dat	a Sources > PLEXTEST, WORLD > Summary of J	NS Servers		
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of JHS Servers				
Lock & Edd		ment containers for the queues and topics in MS servers that have been created in the cur		π.	
Domain Structure cubs113_domain A Deployments Deployments Services	Customize this table JHS Servers (Filtered - Click the Lock & Editbutto	Hore Columns Exist) In in the Change Center to activate all the but	tons on this page.		
E-Messaging	New Deste				Showing 0 to 0 of 0 Previous Next
Store-and Forward Agents JMS Modules	Name 🚓	Persistent Store	Target	Current Server	Health
Path Services Path Services Path Services			There are no items to displ	δy	
Data Sources Persistent Stores Foreign JNDI Providers Work Contexts	New Deleter				Showing 0 to 0 of 0 Previous Next
tow do I	2				
Configure 3MS servers Configure 3MS system modules					
System Status					
tealth of Running Servers					
Faled (0)					
Critical (0)					
Overloaded (0)					
Warning (0)					

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

Summary of JMS Servers - foubs11	13_domain - WLS C				🕯 • 🔝 - 👘 • 🕞 Bage - 🎯 Tgol
ORACLE WebLogic Server®	Administration Console				ç
Change Center	A Home Log Out Preference	es 🔤 Record Help	Q	Welcome	weblogic Connected to: fcubs113_dom
View changes and restarts	Home >Summary of JDBC Data	Sources > PLEXTEST.WORLD > Summary of JMS	5 Servers		
to pending changes exist. Click the Release Configuration button to allow others to edit the fomain.	Summary of JHS Servers				
	3HS servers act as managem	ent containers for the queues and topics in 34	S modules that are targeted to them.		
Release Configuration	This page summarizes the JM	IS servers that have been created in the curren	nt WebLogic Server domain.		
Iomain Structure	Customize this table				
cubs113_domain	JHS Servers (Filtered - M	lore Columns Exist)			
Deployments	New Ceintr				Showing 0 to 0 of 0 Previous Next
P-Services P-Messaging	Name 🚓	Persistent Store	Target	Current Server	Health
JHS Servers	And Antonio and			THUS READ THE COLOR	1.1111
3HS Servers Store-and-Forward Agents 3HS Modules Path Services	New Deline		There are no items to display		Showing 0 to 0 of 0 Previous Next
Store-and-Forward Agents			There are no items to display		Showing 0 to 0 of 0 Previous Hext
Store-and-Forward Agents MS Notives Path Services Bildinges Data Sources Persistent Stores Parego JACI Providers			There are no items to display		Shawing 0 to 0 of 0 Previous Next
Store-and-Forward Agents — 95 Modules — Path Services B Bridger Data Sources — Persitem 3 Stores — Foreign 3/LD Rouiders — Work Contexts — — — — — — — — — — — — — — — — — — —			There are no items to display		Showing 0 to 0 of 0 Previous Next
Disseand Forward Agents			There are no items to display		Showing 0 to 0 of 0 Previous Next
Store-and-Porused Agents P45 Modules P45 Notuces B Bridges Data Sources Persistent Stores Persistent Stores Work Contexts tow do L.	New Drive		There are no items to display		Showing 0 to 0 of 0 Previous Next
Discensification and Agents Store-and Forward Agents Dist Stores Dist Stores Dist Stores Dist Stores Personal Stores Personal Stores Configure JNS sores Configure JNS sores Configure JNS sores Configure JNS sores	New Drive		There are no items to display		Showing 0 to 0 of 0 Previous Next
Store-and Forused Agents -28 Model -28 Model -28 Model -28 Model -28 Model -28 System -24 Sys	New Drive		There are no items to display		Showing 0 to 0 of 0 Previous Next
Store-and Forused Agents	New Drive		There are no items to display		Showing 0 to 0 of 0 Previous Next
Storeand Forward Agents 285 Module 285 Module 285 Module 285 Module 285 Storean 285 Storean 285 Storean 285 Storean 285 Storean 285 Storean 285	New Drive		There are no items to display		Showing 0 to 0 of 0 Previous Next



6. Click 'New'.

🛊 🍪 🎢 Create a New 3MS Server - fcubs1	3_domain - WES C	🙀 * 🔝 - 📾 * 🕞 Page - 🕥 Tools -
ORACLE WebLogic Server®	Administration Console	Q
Change Center	A Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
New changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers	
to pending changes exist. Click the Release Configuration button to allow others to edit the Soman.	Create a New JHS Server	
Release Configuration	JHS Server Properties The following properties will be used to identify your new JMS Server. * Indicates required fields	
ubs113_domain * Emvironment * Deployments *	What would you like to name your new JMS Server?	
Messaging -345 Servers -345 Servers -345 Modules -345 Modules -345 Modules B Bridges	Specify persistent store for the new 3HS Server.	
Data Sources Persistent Stores Foreign 2NDI Providers Work Contexts	Terris Next Fran Cance	
ow do I 😑		
Configure JMS system modules Configure custom persistent stores		
rstem Status 🛛 🗎		
salth of Running Servers		
Failed (0) Critical (0) Overloaded (0)		
Warning (0) OK (2)		

7. Specify the following details:

JMS Server Name FCIS_JMSServer

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

😫 🌾 Create a New JMS Server - Fcubs1	13_domain - WLS C		💁 * 🖾 - 👼 * 🕞 Bage • 🥥 Tgols •
ORACLE WebLogic Server®	Administration Console		0
Change Center	🏠 Home Log Out Preferences 🔤 Record Helo	Q	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JOBC Data Sources >FLEXTEST.WORLD >Se	mmary of 3115 Servers	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Loc Release Configuration	Create a New JHS Server	ē.	
Domain Structure	Type: File Store M		
fabst12 domain fabst21 domain fabst21 domain deBonvorment DeBonvorment	The Store Carcel		
How do I			
Configure IMS system modules Configure custom persistent stores			
System Status			
Health of Running Servers			
Failed (0) Criscal (0) Overloaded (0) Warming (0) OK (2)			



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

Following screen is displayed:

🚖 🏟 🎢 Create a New JMS Server - Foubs1)	3_domain - WLS C			💁 • 🖾 👘 🖶 Esge • 🔘 Tgols •
	Administration Console			9
Change Center	Home Log Out Preferences	Record Help	Q	Welcome, weblogic Connected to: fcubs113_domain
View changes and restarts	Home >Summary of JDBC Data Sc	orion > PLEXTEST.WORLD >5un	nmary of 3145 Servers	
io pending changes exist. Click the Release Configuration button to allow others to edit the	Create a New JHS Server			
onan.	OK Cancel			
Release Configuration	File Store Properties The following properties will be in "Indicates required fields	used to identify your new file st	tore.	
Analis Solution Privation Priva	Select a server instance for this for a server instance for this for a server instance for the directory or	IS_FileStore Tie store.	store is kept. This directory must exe	at on your system, so be sure to create it before completing this tab.
tow do 1	OK Cancel			
Configure IMS system modules Configure custom persistent stores				
iystem Status				
Criscal (0) Overloaded (0)				
Warning (0) OK (2)				

10. To identify the new File Store, specify the following properties:

- Specify the file store name as FCIS_FileStore.
- Select a server. For this file store, you may select ManagedServer1 (created by the user).
- Specify the Directory as FCIS_FileStore.
- Click 'OK'.



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

🕈 🍲 🌈 Create a New JMS Server - Fcubs1	3_domain - WLS C	🙆 * 🖾 - 👼 * 🔂 Bage • 🕲 Tgols
	Administration Console	Q
Change Center	🙆 Home Log Out Preferences 🔛 Record Help	Welcome, weblogic Connected to: fcubs113_domain
New changes and restarts rending changes exist. They must be activated to take effect.	Home >Summary of JDBC Data Sources >FUDITEST/WORLD >Summary of JHS Servers Hossages # File store created successfully.	
Activate Changes	Create a New JMS Server	
Undo All Changes	TITCE Nest Frian Cancel	
omain Structure	3HS Server Properties	
abs113_domain A PEnvironment Deployments B-Services	The following properties will be used to identify your new JMS Server. ^a Indicates required fields	
Hessaging "-3% Servers "Store-and Forward Agents "3% Modules	What would you like to name your new 345 Server?	
Path Services B-Bridges Data Sources Persistent Stores	Specify persistent store for the new JMS Server. Persistent Store: FOURS: FrileStore V Create a New Store	
Foreign 3/DI Providers	Tirs liest Fran Cancel	
Configure 3NS system modules Configure custom persistent stores		
ystem Status 🖂		
ealth of Running Servers		
Pailed (0)		
Critical (0) Overloaded (0)		
Overloaded (0) Warning (0)		
OK (2)		

11. Click 'Next'.

Create a New JMS Server - fcubs	13_domain - WL5 C		😚 * 🗊 - 🖶 * 🔂 Page - 🕼 Tgols -
ORACLE WebLogic Server	Administration Console		0
Thange Center	A Home Log Out Preferences 🔤 Record Help	Q	Welcome, weblogic Connected to: fcubs113_domain
New changes and restarts	Home >Summary of JDBC Data Sources > PLEXTEST.WORLD >Se	ammary of JNIS Servers	
ending changes exist. They must be activated to take effect.	Create a New 3MS Server		
Activate Changes	Back Tiext Finish Cancel		
Undo All Changes	Select targets		
omain Structure	Select the server instance or migratable target on which you	would like to deploy this 2HS Server.	
omain Structure ubs113_domain	Target: ManagedServe	TI 🜱	
Orderwares O	Back Terri (Fman) Gances		
iow do I 😑	1		
Configure JMS system modules Configure custom persistent stores			
ystem Status	1		
lealth of Running Servers			
Faled (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			



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

🔗 🏀 Summary of JMS Servers - foub	s113_domai	n - WLS C			🙆 • 🖾	- 🖶 • 🔂 Bage • 🍏 Tgols
	r [®] Admin	istration Console				0
hange Center		Home Log Out Preferences	Record Help		Welcome, weblogic	Connected to: fcubs113_doma
New changes and restarts ending changes exist. They must be activate to take effect.	Hes	one >Sonmary of JDBC Data Source Isages # JMS Server created successfully	es >PLEXTEST.WORLD >Summary of JMS Sorv	ert		
Activate Changes	Sun	nmary of JMS Servers				
Undo Al Changes	a T PC		Internets for the queues and topics in 3MG mod vers that have been created in the quirrent Wei			
Messaging <u>1HS Servers</u> Store-and-Forward Agents	110	New. Osers	onumine Cost /		Show	ing 1 to 1 of 1 Previous Next
- 3MS Modules - Path Services B - Bridges		🔲 Name 🌧	Persistent Store	Target	Current Server	Health
Data Sources		FCUBS_2MSServer	PCUBS_FileStore	ManagedServer1	ManagedServer 1	
- Persitent stores Foreign JNDI Providers Work Contexts		New Cours			Show	ing 1 to 1 of 1 Previous Next
ow do I						
Configure 245 servers Configure 345 system modules						
stem Status	8					
alth of Running Servers						
Pailed (0)						
Critical (0) Overloaded (0)						
Warning (0)						
OK (2)						

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

7.2.3 JMS Modules Creation

Follow the steps given below:

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



The following screen is displayed:

DRACLE WebLogic Serve	Administration Console		6	
hange Center	A Home Log Out Preferences 🖾 Record Help	Q	Welcome, weblogic Connected to: fcubs113_doma	
icw changes and restarts	Home >Summary of JDDC Data Sources >FUD/TEST/WORLD >Sur	many of IMS Servers >Summary of JODC Data So.	urbes > FLEXTEST.WORLD > Summary of 3MS Servers > 3MS Modules	
ick the Lock & Edit button to modify, add or detertems in this domain.	JH5 Hodules			
Lock & Edit Release Configuration	345 system resources are configured and stored as mobiles a distributed Queues, distributed topics, foreign servers, and 3M resources. This page summarizes the 3MS system modules that have been	IS store-and-forward (SAF) parameters. You car	s include queues, topics, connection factories, templates, destination lays, quota, a drimitizatively configure and manage JMS system modules as global system	
main Structure bs113_doman "Environment Deployments Services IP Messaging	Customize this table JHS Hodules Dick the Lock & Editbutton in the Change Center to activate			
- 345 Servers Store-and Forward Agents - 345 Modules	Inew Dente			
Path Services	🔲 llame 👄		Туре	
Data Sources		There are no items to disp	yex.	
Persistent Stores Foreign JNDI Providers Work Contexts	Ilew Deint			
w do I				
Configure JMS system modules Configure resources for JMS system module				
stem Status				
Ith of Running Servers				
Faled (0)				
Critical (0)				
Overloaded (0)				
Warning (0)				

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

🖉 🚱 3MS Modules - Foubs113_domain - 1	M.S Console		🙆 • 🔝 - 👼 • 🔂 Bage • 🛞 Tools
	Administration Console		9
hange Center	🙆 Home Log Out Preferences 🖂 Record Help	9	Welcome, weblogic Connected to: fcubs113_domain
new changes and restarts	Home »Summary of JOBC Data Sources »FLEXTEST.WORLD »Summ	ary of 3HS Servers > Summary of 304	RC Data Sources > PLEXTEST.WORLD > Summary of JHS Servers > 3HS Hodules
o pending changes exist. Click the Release onfiguration button to allow others to edit the omain.	JMS Hodules		
Linck & East Release Configuration	JMS system resources are configured and stored as modules sim distributed queues, distributed topics, foreign servers, and JMS r resources.	lar to standard 12EE modules. Such store-and-forward (SAP) parameter	n resources include queues, topics, connection factories, templates, destination keys, quota, rs. You can administratively configure and manage JMS system modules as global system
	This page summarizes the 3MS system modules that have been o	reated for this domain.	
omain Structure	and the second		
ubs113_domain +	Customize this table		
Deployments	3HS Hodules		
+ Services	Lease Distance		Showing 0 to 0 of 0 Previous Next
El-Messaging	New Conta		Shawing 0 to 0 of 0 Previous Next
JMS Servers Store-and-Forward Agents	T Name 🔅		Type
JHS Modules			
Path Services		There are no ite	ms to display
+ Bridges	New Centr		Showing 0 to 0 of 0 Previous Next
Persistent Stores	AND DECIDENT AND DECIDENT		
-Foreign 3NDI Providers			
Work Contexts			
ow do I 🗉			
Configure 34S system modules			
Configure resources for JMS system modules			
ystem Status 🗵			
ealth of Running Servers			
Faled (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			
Sin (4)			



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

Create JMS System Module - fcubst	13_domain - WLS		🙆 • 🔯 - 👘 • 🔂 Bage • 🎱 Tgols
ORACLE WebLogic Server*	Administration Console		0
Change Center	😥 Home Log Out Preferences 🛽	Record Help	Welcome, weblogic Connected to: fcubs113_domai
New changes and restarts	Home >Summary of JDBC Data Sour	pes >PLEXTEST.WORLD >Summary of 3MS Servers >Summary of	JOBC Data Sources > PLEXTEST.WORLD > Summary of JMS Servers > JHS Modules
to pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Create JHS System Module	a d	
Lock & Eet Release Configuration	The following properties will I	be used to identify your new module.	
Domain Structure	2MS system resources are configured outputs distributed outputs, distributed top resources.	red and stored as modules similar to standard 32EE modules. Si scs, foreign servers, and 3MS store-and-forward (SAF) parameters	iuch resources indude queues, topics, connection factories, templates, destination keys, quota, eters. You can administratively configure and manage JMS system modules as global system
bubs113_domain A BrEnvironment	* Indicates required fields		
IB-Messaging 	What would you like to name your 5	iystem Module?	
Store-and-Forward Agents JMS Modules Path Services	* Name:	FCUBS_SystemModule	
BinBridges	What would you like to name the de	escriptor file name? If you do not provide a name, a default will	I be assigned.
Persistent Stores	Descriptor File Name:	FCUBS_SystemModule	
Work Contexts	Where would like to place the descr	iptor for this System Module, relative to the jms configuration i	sub-directory of your domain?
ow do I 🗐	Location In Domain:		
Configure 2MS servers	Uses Next [First] Cancel	1	
ystem Status			
ealth of Running Servers			
Faled (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			

Enter the System Module Name as FCIS_SystemModule.

Enter the Description File Name as FCIS_SystemModule.

4. Click 'Next'.

The following screen is displayed.

🕈 🔅 Create JMG System Module - Foubs	13_domain - WLS	🟠 • 🔂 - 🖶 • 🔂 Bage • 🏠 Tgols •
	Administration Console	0
hange Center	🙆 Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: fcubs113_domai
New changes and restarts	Home >Summary of JDBC Data Sources >PLEXTEST.WORLD >Summary of JMS Servers >Summary of JD	RC Data Sources > FLEXTEST.WORLD > Summary of JMS Servers > 3HS Modules
Ib percing dhanges not. Chic the Release branch. Loci & Cot Release Configuration desting downent. Desting downent.	Create JHS System Hodule Back_head_Friend_Canceh The following properties will be used to target your new JHS system module. Use this page to select the server or cluster on which you would like to deploy this JHS system mod Targets : Servers AdminServer HanagedServer1	Ne. You can reconfigure targets later if you with
RI-Bridges Data Sources Persistent Stores Persign JADI Providers Work Contexts	Back Next From Carcel	
iow do I 😕		
Configure JMS system modules Configure JMS servers		
ystem Status 🗟		
lealth of Running Servers		
Faled (0) Critical (0) Overloaded (0)		
Warning (0) CK (2)		

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



🖗 🛷 🎢 Create JMS System Module - Foubs1	13_domain - WL5	🕅 * 🔝 - 🖶 * 🔂 Page - 🎯 Tgols -
ORACLE WebLogic Server®	Administration Console	0
Change Center	🔒 Home Log Out Preferences 🔤 Record Help	Welcome, weblogic Connected to: fcubs113_domain
New changes and restarts	Home >Summary of JDBC Data Sources >FUEXTEST.WORLD >Summary of JMS Servers >Sum	many of JOBC Data Sources >PUEXTEST.WORLD >Summary of JMS Servers >JHS Modules
No pending changes exist. Click the Release Configuration button to allow others to edit the fomain.	Create 3H5 System Hodule Back West Annual Cancel	
Release Configuration	Add resources to this JHS system module	stem module after it is created. JHS resources include queues, topics, connection factories, etc.
Domain Structure	Use this page to indicate whether you want to immediately add resources to this uno sys	stem module after it is created, uno resources include queues, topics, connection factories, etc.
foubs113_doman	Would you like to add resources to this JHS system module?	
Horssparg Servers Sarvers Wark Contexts T	Back Terri Fran. Cance	
low do I		
Configure JMS system modules Configure JMS servers		
ystem Status		
lealth of Running Servers		
Faled (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		
Example CK (2)		

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

2 2015 Modules - foubs113_domai	1 × WL3 CORSOR	🟠 • 🔝 - 🖶 • 🔂 Page - 🕼 Tgols
DRACLE WebLogic Serve	r [®] Administration Console	0
hange Center	🔒 Home Log Out Preferences 🔛 Record Help	Welcome, weblogic Connected to: fcubs113_doma
iew changes and restarts ending changes exist. They must be activate traine effect.	Homa Summary of JDDC Data Sources >FUDITEST.WORLD >Summary of JMS Servers >Summary of JM Messages If the JMS module was created successfully.	DBC Deta Sources >FLDCTEST.WORLD >Summary of XMS Servers > 3145 Modules
 Activate Changes Undo Al Changes 	JHS Hodules	
main Structure bs:11_domain Environment Deployments Services Messaging 2KS Servers	2H5 system resources are configured and stored as modules saniar to standard 322E modules. Sul associated aurops, databuted topics, foreign servers, and 2H5 store and forward (2H7) parameter resources. This page summarizes the 3H5 system modules that have been created for this domain.	
Store-and-Forward Agents	New Destr	Showing ito lof1 Previous Next
Bridges Data Sources Persistent Stores	🔲 Name 🔅	Туре
Persistent Stores Poreign JNDI Providers Work Contexts	FOL85_SystemModule	System
w do I	E New Deich	Showing 1 to 1 of 1 Previous Next
Configure IMS system modules Configure resources for IMS system module	5	
stem Status	8	
Ith of Running Servers		
Faled (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		



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

🕸 🎢 3MS Modules - Foubs113_domain - WLS C	visole		💁 • 🖾 - 👼 • 🔂 Boos • 🕥 Tools
RACLE WebLogic Server® Adm	inistration Console		9
ange Center	Home Log Out Preferences 🐼 Record Help	Q	Welcome, weblogic Connected to: fcubs113_domai
k the Lock & Edit button to modify, add or	None >Summary of IDBC Data Sources >FLD:/TEST.WORLD >Sum escages # All changes have been activated. No restarts are necessary		untes > FUDYTEST.WORLD >Summary of 3K5 Servers > 3H5 Modules
Lock & Eot 3P	ts Modules		
main Structure st 113_domain st 113_domain Services Forvices Protect	2-S5 petern resources are configured and stored a modules a derbicher downen, distributed tools, foreign servers, and 2H resources. This page summarizes the 2HS system modules that have been Customize this table: 2HS Hodules Click the Lack & Fafebuitton in the Change Center to activate Tomp: 1 Rame effe 2 PCL85, System/Hodule	S store-end-forward (SAP) parameters. You can	a röude sukues, boos, connector fectories, tendalata, desmation leves, ouds, in administratively configure and manage 3KS system modules as global system Showing 1 to 1 of 1 Previous Next Type System
r do I 🖂	New Celefe		Showing 1 to 1 of 1 Previous Next
Configure resources for JMS system modules			
stem Status			
(th of Running Servers			
Faled (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			
OK (2)			

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

7.2.4 Sub Deployment Creation

Follow the steps given below:

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



The following screen is displayed:

ORACLE WebLogic Server	Administration Console		0		
hange Center	A Home Log Out Preferences The Record Help	Q	Welcome, weblogic Connected to: fcubs113_domain		
New changes and restarts	Home >Summary of JDEC Data Sources >REVITEST.WORLD >Summ	sary of JMS Servers >Summary of JDBC Data Sour	ros > FLEXTEST.WORLD > Summary of 3MS Serviers > 3HS Modules		
io pending changes exist. Click the Release onfiguration button to allow others to edit the omain.	JH5 Hodules				
Lock & Edit Release Configuration	3%5 system resources are configured and stored as modules sin distributed outers, distributed topics, foreign envires, and 3%5 resources. This page summarizes the 3%5 system modules that have been	store-and-forward (SAF) parameters. You can	indude queues, lopics, connection factories, templates, destination keys, quota, administratively configure and manage 245 system modules as global system		
omain Structure					
bubs113_domain	Customize this table				
Deployments	JHS Modules				
Services El Messaging	New		Showing ito lof 1 Previous Next		
	🔲 Name 🔅		Туре		
Path Services	FCUBS_SystemModule		System		
Data Sources Persistent Stores Foreign JNDI Providers Work Contexts	Jiew. Deitr		Showing 1 to 1 of 1 Previous Next		
low do I 🖯	1				
Configure 34S system modules					
Configure resources for 3MS system modules					
ystem Status 😑	-				
realth of Running Servers					
Failed (0)					
Critical (0)					
Overloaded (0)					
Warning (0)					

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

Settings for FCUB5_SystemModule	- fcubs113_domai				🔄 • 🖾 - 🖶 • 🕞 Bage • 🎱 Tools					
RACLE WebLogic Server®	Administration Console				0					
ange Center	Ame Log Out Preferences	Record Help	Q	Web	come, weblogic Connected to: fcubs113_domai					
w changes and restarts	None >Summary of JOBC Data S Modules >FCUBS_SystemModul	ourcel >FUEXTEST.WOR	LD >Summary of 3MS Servers >Summar	y of 3DBC Data Sources > PUD/TEST/WORLD > Summary	of 3MS Servers 1x3MS					
ending changes exist. Click the Release fguration button to allow others to edit the	Settings for FCUBS_SystemP	ettings for FCUBS_SystemHodule								
sin. Lock & Edit	Configuration Subdeployme	ents Targets Secu	nty Notes							
Release Configuration	This page displays general info	rmation about a JMS sys	stem module and its resources. It also	allows you to configure new resources and access exi	strig resources.					
ain Structure	Name:	FOUE	S_SystemModule	The name of this JMS syste	m module. More Info					
nvironment eployments	Descriptor File Name:	jms,P	CUBS_SystemModule-(ms.xml	The name of the JHS modu	le descriptor file. More Info					
Services Processing Servers Store-and-Forward Agents With Modules Parth Narwers	This page summarizes the 3MS destination quota, distributed of P Customize this table	resources that have be destinations, foreign ser	en created for this 3MS system module vers, and store-and-forward paramet	e, including queue and topic destinations, connection f ters.	actories, 345 templates, destination sort keys,					
Messaging Massaging Massaging Massaging Store-and-Formard Agents	destination quote, distributed	destinations, foreign ser	vers, and store-and-forward paramet	ers.	Shaving 0 to 0 of 0. Previous Next					
Pressaging State-and-Pointerd Agents State-and-Pointerd Agents Table territors Path Structure Path Startures Persistent States Pressed TS Pointers TWork Contexts	Destination quota, distributed	resources that have be destinations, foreign ser Type	Vers, and store-and-forward paramet	ers. Subdeployment						
Pressang State-and-Pornard Agents State-and-Pornard Agents Path Services Path Services Path Services Prototal Sources Pressent Stores Process 201/Providers Work Contexts Y	destination quota, distributed Customize this table Summary of Resources Jacop Centre Name Contents	destinations, foreign ser	Vers, and store-and-forward paramet	ers.	Showing 0 to 0 of 0 Previous Next Targets					
Pressand The Services Total Services	destination quote, distributed	destinations, foreign ser	Vers, and store-and-forward paramet	ers. Subdeployment	Shaving 0 to 0 of 0 Previous Next					
Pressand Pr	destination quota, distributed Customize this table Summary of Resources Jacop Centre Name Contents	destinations, foreign ser	Vers, and store-and-forward paramet	ers. Subdeployment	Showing 0 to 0 of 0 Previous Next Targets					
Pressaging	destination quota, distributed Customize this table Summary of Resources Jacop Centre Name Contents	destinations, foreign ser	Vers, and store-and-forward paramet	ers. Subdeployment	Shaving 0 to 0 of 0 Previous Next					
Pressagna - 245 Serves - 306 Modules - 246 Modul	destination quota, distributed Customize this table Summary of Resources Jacop Centre Name Contents	destinations, foreign ser	Vers, and store-and-forward paramet	ers. Subdeployment	Shaving 0 to 0 of 0 Previous Next					
Pressagn 299 Serves 500 exard-Porvied Agents 500 exard-Forward Agents 500 exard- 100 toges 100 toges 10	destination quota, distributed Customize this table Summary of Resources Jacop Centre Name Contents	destinations, foreign ser	Vers, and store-and-forward paramet	ers. Subdeployment	Shaving 0 to 0 of 0 Previous Next					
Pressagn Pr	destination quota, distributed Customize this table Summary of Resources Jacop Centre Name Contents	destinations, foreign ser	Vers, and store-and-forward paramet	ers. Subdeployment	Showing 0 to 0 of 0 Previous Next Targets					
Pressand Pr	destination quota, distributed Customize this table Summary of Resources Jacop Centre Name Contents	destinations, foreign ser	Vers, and store-and-forward paramet	ers. Subdeployment	Shaving 0 to 0 of 0 Previous Next					



4. Click 'Subdeployments' tab.

Settings for FCUBS_SystemModule	fcubs113_domai					💁 • 🔝 - 🖮 • 🔂 Base • 🕥 Tools		
DRACLE WebLogic Server®	Administration (Console				0		
hange Center	A Home Log	Out Preferences 🐼	Record Help		Q	Welcome, weblogic Connected to: fcubs113_domail		
new changes and restarts		ry of JOBC Data Sources 85_SystemModule	+FLEXTEST.	WORLD > Sur	many of JMS Servers Summary of JOBC	Data Sources > PLEXTEST, WORLD > Summary of 3HS Servers >3HS		
o pending changes exist. Click the Release onfiguration button to allow others to edit the	Settings for FO	Settings for FCUB5_SystemModule						
main.	Configuration	Subdeployments	Targets	Security	Notes			
Release Configuration	This page dis grouped and	plays subdeployments o targeted to a server re	treated for a source (such	345 system r as 345 serve	nodule. A subdeployment is a mechanis ris, server instances, or cluster).	m by which JMS module resources (such as queues, topics, and connection factories) are		
main Structure bs113_doman Environment Deployments	Customize							
-Services IP-Messaging	New Del					Showing 0 to 0 of 0. Previous Next		
	I Name	e 🙃			Resources	Targets		
Path Services					There are no item	s to display		
Bin proges -Data Sources -Persistent Stores -Foreign 3LOI Providers -Work Contexts	New, Cel	el el				Showing 0 to 0 of 0 Previous Next		
w do L 🗟								
Configure subdeployments in JMS system modules								
Configure JMS system modules								
stem Status 🗟								
alth of Running Servers								
Faled (0)								
Critical (0)								
Overloaded (0)								
Warning (0)								

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

🔗 🖉 Create a New Subdeployment - fo	ubs113_domain - W		🙆 • 🖾 - 🖶 • 🔂 Bage • 🎱 Tgols
DRACLE WebLogic Server	Administration Console		0
hange Center	😥 Home Log Out Preferences 🐼 Record Help	Q	Welcome, weblogic Connected to: fcubs113_domai
iew changes and restarts	Hame > Summary of JDBC Data Sources > PLEXTEET.WORLD > Summary Modules > FCUBS_SystemModule	y of 3HS Servers +Summary of 3DBC Data Sources + P	LEXTEST.WORLD > Summary of JMS Servers > JMS
a pending changes exist. Click the Release onfiguration builton to allow others to edit the smain.	Create a New Subdeployment		
Luck & Fift	Usex Next Finan Cancel		
Release Configuration	Subdeployment Properties		
omain Structure	* Indicates required fields	iment.	
ubs113_domain + PEnvironment Deployments	* Subdeployment Name:	(maximal)	
-Services		FCUBS	
H Messaging MS Servers Store-and Forward Agents	BECK Next Friell Cancel		
Data Sources			
Persistent Stores Foreign 3NDI Providers			
	1		
w do L			
Configure subdeployments in 3HS system modules			
stem Status			
alth of Running Servers			
Faled (0)			
Critical (0)			
Overloaded (0)			
Warning (0)			



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

🔅 🍘 Create a New Subdeployment - fc.	bs113_domain - W		💁 • 🖾 - 👼 • 🔂 Roos • 🕥 Tools
	Administration Console		<u>o</u>
hange Center	A Home Log Out Preferences 🖂 Record Help	9	Welcome, weblogic Connected to: fcubs113_domai
iew changes and restarts	Home »Summary of JORC Data Sources »FLEXTEST.WORLD »So Modules »FCUBS SystemPiodale	mmany of 3HS Servers > Summany of 3DBC Data So	surges > PLEXTEST.WORLD > Summary of JMS Servers > JMS
o pending changes exist. Click the Release onfiguration button to allow others to edit the smain.	Create a New Subdeployment		
Linck & Edit	Back Finish Cancel		
Release Configuration	Targets Please select targets for the Subdeployment		
omain Structure	Servers		
PErvicement Deployments PServices	HanagedServer1		
Messaging MS Servers Store-and-Forward Agents	JHS Servers		
- 3MS Modules Path Services El·Dridges	FCUB5_JHSServer		
Para Sources Persistent Stores Foreign 2001 Providers	Back Text Frish Cancel		
work Contexts			
Configure subdeployments in 3MS system modules			
ystem Status 🛛			
ealth of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0) Warning (0)			
OK (2)			

The following screen will be displayed.

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

😵 🌾 Settings for FCUB5_SystemModu	le - fcubs113_c	domai				🔄 🔹 🔝 👘 👘 🔂 Bage 🔹 🎯 Tgols
	Administr	ation Console				Q
Change Center	Hor	ne Log Out Preferences 🔝 R	tecord Help	9		Welcome, weblogic Connected to: fcubs113_domain
New changes and restarts Pending changes exist. They must be activated to take effect.	Hodule	us >FCUBS_SystemModule	>FUEXTEST.WORLD >S	ummany of 3MS Sarvars SSUmmar	ny of 2080 Data Sources > PUD/TEST.WORLD >Sum	nary of 3MS Sarvani w3MS
Activate Changes	✓ Sul	bdeployment created successful	By.			
Undo Al Changes	Setting	s for FCUB5_SystemHodule				
Autor Ast Augusta	Config	uration Subdeployments	Targets Security	Notes		
main Structure						
In Services BHResaging House Servers House and Forward Agents House Servers	Subde	eployments				Showing its lof 1 Previous Next
Path Services Bedges Data Sources		Name 🖚	Rei	sources	Targets	
Persistent Stores Foreign 3NDI Providers		FCUBS			FCUBS_IMSServer	
i - Work Contexts	New	y_ Celete				Showing 1 to 1 of 1 Previous Next
Configure subdeployments in 2HS system modules	-					
Configure JMS system modules						
ystem Status	9					
salth of Running Servers						
saish of Kunning Servers						
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Faled (0) Critical (0)						
Faled (0)						



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

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DRACLE WebLogic Server	Administratio	n Console				•		
hange Center	Home La	g Out Preferences 🔝	lectord Help	9	We	come, weblogic Connected to: fcubs113_domain		
New changes and restarts	Home >Sum Modules >P	many of JDBC Data Sources DUBS_SystemModule	>PLEXTEST.WORLD	Summary of 345 Servers Summary	of JDBC Data Sources > PLEXTEST.WORLD > Summary	of 3MS Servers >3MS		
ick the Lock & Edit button to modify, add or	Hessages							
lete items in this domain. Lock & Edit	All changes have been activated. No restarts are necessary.							
1	Settings for	FCUBS_SystemHodule						
Release Configuration	Configuratio			v Notes				
main Structure								
Chara and England Anaphy	Subdeployments Click the Zack & Additution in the Change Center to activate all the buttons on this page.							
Store-and Forward Agents JMS Modules Path Services B-Bridges	Residence of the		hange Center to act	wate all the buttons on this page.		Showing I to 1 of 1 Previous Next		
JNS Modules Path Services B-Bridges Data Sources Persistent Stores	Cick the Z			vate all the buttons on this page.	Targets	Showing 1 to 1 of 1 Previous Next		
3NS Modules Padri Services Bill Bridges Data Sources Paresistent Stores Paresistent Stores Work Contexts	Click the I	eine me 🏟			Targets FCL85_2MSServer	Showing 1 to 1 of 1 Previous Next		
745 Modules745 Services Bit BridgesData SourcesPersistent StoresPersign 3/20 ProvidersWork Contexts	Click the Island	eite me 🏟 RS						
	Click the I	eite me 🏟 RS				Shaving 1 to 1 of 1 Previous Next Shaving 1 to 1 of 1 Previous Next		
- 3MS Modules - Path Services Bi-Bridges - Data Sources - Presistent Stores - Provident Stores - Provident Stores - Work Contexts	Click the Ar	eite me 🏟 RS						
Diet Modules Diet Modules Diet Modules Diet Modules Diet Modules Diet Sources Diet Sources Diet Sources Diet Sources Diet Charlow Sources Diet Sources Sources Diet Sources Sourc	Clát the Z	eite me 🏟 RS						
Andudas A	Click the Ar	eite me 🏟 RS						
Andudas A	Clát the Z	eite me 🏟 RS						
Add Modules Add Modules Pash Services Bit-Indiges Data Sources Preven 3100 Nonviders Preven 3100 Nonviders Preven 3100 Configure 345 system modules stem Status Failed (0)	Clát the Z	eite me 🏟 RS						
Hardware	Clát the Z	eite me 🏟 RS						
Add Modules Add Modues Add Modues Add Modules Add Modues Add Modules	Clát the Z	eite me 🏟 RS						

7.2.5 JMS Queue Creation

1. Select the JMS Module created earlier.

Settings for PCUB5_SystemModule	- fcubs113_domal			6	• 🗊 - 🖶 • 🕞 Bage • 🌀 Tgo
DRACLE WebLogic Server®	Administration Console				c
ange Center	A Home Log Out Preferences	Record Help	9	Welcome,	weblogic Connected to: fcubs113_dom
w changes and restarts	Home »Summary of JDBC Data Source Modules »FCUBS_SystemModule	ss > PLEXTEST.WORLD	»Summary of 3MS Servers »Summary	of 3DBC Data Sources > PLEXTEST.WORLD > Summary of 3MS	Servers >3MS
k the Lock & Edit button to modify, add or ete items in this domain.	Settings for FCUBS_SystemHodu	ale			
Lock & Edt	Configuration Subdeployments	Targets Security	y Notes		
Release Configuration	This page displays general informat	ton about a JMS syste	m module and its resources. It also a	lows you to configure new resources and access existing re	sources.
nain Structure					
s113_domain ·	Name:	FCU85_	SystemModule	The name of this 3HS system mod	Je. More Info
Deployments Services ⊕-Messaging	Descriptor File Name:	jms,FCL	.85_SystemModule-yns.xml	The name of the JMS module desc	ptor file. More Info
-JMS Servers	This page summarizes the JMS reso destination quota, distributed desti	curces that have been inations, foreign serve	created for this JMS system module, rs, and store-and-forward paramete	including queue and topic destinations, connection factories,	, JNS templates, destination sort keys,
- wid Servers - Store and/Forward Agents - Wid Modules - Path Services - Parts Sources - Providers - Providers - Work Contexts - Work	destination quote, distributed desti Customize this table Summary of Resources Click the <i>Lock & Edit</i> button in the	inations, foreign serve	rs, and store-and-forward paramete	induding queue and topic destinations, connection factories	
- wid Servers - Store and/Forward Agents - Wid Modules - Path Services - Bit Incides - Path Sources - President Stores - Prolegin 3/10 Providers - Work Contexts 	estination quota, distributed desti Customize this table Summary of Resources	inations, foreign serve	rs, and store-and-forward paramete	induding queue and topic destinations, connection factories	3HS templates, destination sort keys,
	destination quote, distributed desti Customize this table Summary of Resources Click the <i>Lock & Edit</i> button in the	inations, foreign serve	rs, and store-and-forward paramete	induding queue and topic destinations, connection factorie s. Subdeployment	
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	destination quota, distributed desti Customize this table Summary of Resources Cick the Lock & Softbutton in the <u>Story</u> <u>Constru-</u>	inations, foreign serve Change Center to act	rs, and store-and-forward paramete svate all the buttons on this page.	s. Subdeployment	Shaving 0 to 0 of 0 Previous Next
Ad Servers Sore en d'Arona d'Agents Sore en d'Arona d'Agents Add Services Hi-thodas Deta Sources Hi-thodas Deta Sources Hi-thodas Persistent Sores Threach 241 Perioders Work Contexts voir do 1. Configure 2045 system modules andgure resources for 245 system modules	destination quota, distributed destin P Customize this table Summary of Resources Click the Lock & follbutton in the Name ŵ Tame ŵ	inations, foreign serve Change Center to act	rs, and store-and-forward paramete svate all the buttons on this page.	s. Subdeployment	Showing 0 to 0 of 0 Previous Next Targets
Add Servers Sore en of Pornard Agents Sore en of Pornard Agents Pest Sances Britiges Deta Souces Pest Sances Work Consults w do L. Configure 2MS system modules Configure add system modules configure add system modules configure add system modules configure add system	destination quota, distributed destin P Customize this table Summary of Resources Click the Lock & follbutton in the Name ŵ Tame ŵ	inations, foreign serve Change Center to act	rs, and store-and-forward paramete svate all the buttons on this page.	s. Subdeployment	Showing 0 to 0 of 0 Previous Next Targets
Add Servers Store en d'Aronnal Agents Store en d'Aronnal Agents Parts Services Britiques Deta Sources Perstent Source Throngs JP CI Periodes Thron	destination quota, distributed destin P Customize this table Summary of Resources Click the Lock & follbutton in the Name ŵ Tame ŵ	inations, foreign serve Change Center to act	rs, and store-and-forward paramete svate all the buttons on this page.	s. Subdeployment	Showing 0 to 0 of 0 Previous Next Targets
Add Servers Sore and Power of Power of Agents Sore and Power of Power of Agents Past Services Britises Britise	destination quota, distributed destin P Customize this table Summary of Resources Click the Lock & follbutton in the Name ŵ Tame ŵ	inations, foreign serve Change Center to act	rs, and store-and-forward paramete svate all the buttons on this page.	s. Subdeployment	Showing 0 to 0 of 0 Previous Next Targets
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And Servers Sore and Agents Sore and Agents Sore and Agents Sore and Agents Pash Sinvices R* thouges Data Sources Perstant Stores Perstant Stores work Contexts work Configure 246 system modules Configure todosilonments in 245 system madules Configure todosilonments in 245 system madules Configure todosilonments the Status East of Running Servers Critical (0) Critical (0)	destination quota, distributed destin P Customize this table Summary of Resources Click the Lock & follbutton in the Name ŵ Tame ŵ	inations, foreign serve Change Center to act	rs, and store-and-forward paramete svate all the buttons on this page.	s. Subdeployment	Showing 0 to 0 of 0 Previous Next Targets

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



The following screen is displayed.

Settings for FCURS_SystemModule	-				0				
ORACLE WebLogic Server®					<u>Q</u>				
hange Center	A Home Log Out Preferences	The second se	9		relcome, weblogic Connected to: fcubs113_domain				
iew changes and restarts	Home >Summary of IOBC Data Sou Modules >FC0BS_SystemModule	Home » Summary of JOBC Data Sources > FLEXTEST.WORLD > Summary of JNES Servers > Summary of JOBC Data Sources > FLEXTEST.WORLD > Summary of JNES Servers > JNES Modules + FC005_systemModule							
o pending changes exist. Click the Release onfiguration button to allow others to edit the	Settings for FCU85_SystemHor	dule							
Linck & Fait	Configuration Subdeployment	s Targets Security	Notes						
Release Configuration	This page displays general inform	ation about a 345 system	module and its resources. It also all	ows you to configure new resources and access	existing resources.				
omain Structure	Name:	PCU85_5V	stemHodule	The name of this 3M5 sy	stem module. More Info				
estiligenan ···································	Descriptor File Name:		SystemModule-Ims. vml		odule descriptor file. More Info				
"Deployments "Services	vescriptor rue name.	Train cons	Charles and the second	The name of the province	where we have a man and the stream of the st				
3MS Servers Store-and Forward Agents 3MS Modules	destination quota, distributed de		and store-and-forward parameters		n factories, 3MS templates, destination sort keys,				
Store-and-Forward Agents 246 Modules Part Bervices Data Sources Persistent Stores Presistent Stores Proven 2401 Providers		striations, foreign servers,			Shoving 0 to 0 of 0. Previous Next				
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Stor-end Formed Agens 268 Model 268 Model 268 Sources 2	destination quote, destributed de	striations, foreign servers,	and store-and-forward parameters 3MDI Name	Subdeployment	Showing 0 to 0 of 0 Previous Next Targets				

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

ORACLE WebLogic Server	Administration Console	0
hange Center	A Home Log Out Preferences 🖾 Record Help	Welcome, weblogic Connected to: fcubs113_domain
iew changes and restarts	Home >Summary of JOBC Data Sources > PLEXTEST.WORLD > Summary of JMS Servers > S Modules > FCUBS_SystemHodule	ummany of JDBC Data Sources > FLEXTEST.WORLD > Summary of JMS Servers > JMS
a pending changes exist. Click the Release onfiguration button to allow others to edit the stram.	Create a New JMS System Hodule Resource	
LOCK & BOK	Back Next Frish Cancel	
Release Configuration	Choose the type of resource you want to create.	
omain Structure	Use these pages to create resources in a 3MS system module, such as queues, topics	templates, and connection factories.
ubs113_doman		nation for preating the resource. For targetable resources, like stand-slone queues and topics, connection to use also proceed to targeting pages for selecting approximate servier targets. You can also associate ping 3H5 module resources and the members to servier resources.
Messaging MS Servers Store-and Forward Agents	Connection Factory	Defines a set of connection configuration parameters that are used to create connections for 3H5 clients. More Info
3MS Modules Path Services Bridges Data Sources	. O Queue	Defines a point-to-point destination type, which are used for asynchronous per communications. A message delivered to a queue is distributed to only one consumer. More Info
"Persistent Stores "Foreign JNDI Providers "Work Contexts	О Торкс	Defines a publich/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Influe.
ow do I E	O Distributed Queue	Defines a set of queues that are distributed on multiple 3MS servers, but which are accessible as a single, logical queue to 3MS clients. More 3MG
Configure dubtas for destinations Configure 2MS templates Configure destination keys	O Distributed Topic	Defines a set of topics that are distributed on multiple IMS servers, but which are accessible as a single, logical topic to IMS clents. More Infe
Configure topics Configure queues Configure connection factories	Foreign Server	Defines foreign messaging providers or remote WebLogic Server instances that are not part of the current domain. More Info
Configure connection factories Configure uniform distributed topics Configure uniform distributed queues	🔿 Quota	Controls the allotment of system resources available to destinations. More Info
Configure foreign servers Configure JMS SAP	O Destination Sort Key	Defines a unique sort order that destinations can apply to arriving messages. More Info
stem Status E	JHS Template	Defines a set of default configuration settings for multiple destinations. More info
alth of Running Servers Failed (0) Critical (0) Overloaded (0)	SAF Imported Destinations	Defrees a collection of imported store-and-forward (SAP) destinations. A SAP destination is a representation of a queue or topic in a remote server instance, so that the local server instance or of user in the local dust or even instance, so that the local server instance or duster can seed nessages to the remote server instance or duster. Now Efficience.



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

Create a New JMS System Modul					∆ • ⊠ · ⊕ • D	
ORACLE WebLogic Server	Administration Conso	le			and the second	Q
hange Center		eferences 🐼 Record Help	9		Welcome, weblogic Connected to:	fcubs113_domain
View changes and restarts	Herre > Summary of 30 Modules > FCUBS_Sys	BC Data Sources > FLEXTEST.WO temModule	RLD > Summary of 3MS Servers >	Summary of JDBC Data Sources > FLEXT	FEST-WORLD > Summary of JMS Servers >JMS	
Vo pending changes exist. Click the Release Configuration button to allow others to edit the Jomain.	Create a New JH5 5y	stem Hodule Resource				
Loca & Edt	Back Next Fina	ah Cancel				
Release Configuration	JHS Destination P	roperties				
iomain Structure	The following propert	ties will be used to identify your r	new Queue. The current module	e is FCUBS_SystemModule.		
	* Indicates required fie	ids				
B-Messaging 	* Name:	NOTIFY_DEST_QUE	UE			
Store-and-Forward Agents 3MS Modules Path Services	JNDI Name:	NOTIFY_DEST_QUE	UE			
B-Bridges Data Sources	Template:	None 🛩				
Persistent Stores Foreign JHDI Providers Work Contexts	Back Next Fine	sh Cancel				
iow do I						
Configure quotas for destinations						
Configure JMS templates						
Configure destination keys Configure topics						
Configure outrues						
Configure connection factories						
Configure uniform distributed topics						
Configure uniform distributed queues						
Configure foreign servers						
Configure IMS SAF						
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iealth of Running Servers						
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Critical (0)						
Overloaded (0)						
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For creating new JMS System Module Resources, follow the steps given below:

- Enter the Name of the Queue as 'NOTIFY_DEST_QUEUE'.
- Enter the JNDI Name as 'NOTIFY_DEST_QUEUE'.
- Select the Template as 'None'.
- Click 'Next'.



Following screen is displayed.

Create a New JMS System Module			🔕 • 🔯 - 🖶 • 🔂 Boor • 🎱 Taok
DRACLE WebLogic Server®			O
hange Center	😧 Home Log Out Preferences 🔤 Record H	Second design of the second	Welcome, weblogic Connected to: fcubs113_domai
iew changes and restarts	Home > Summary of JDBC Data Sources > PLEXTE Modules >FCUBS_SystemModule	ST.WORLD > Summary of 3HS Servers > Summary of 3DBC E	Data Sources + FLEXTEST, WORLD + Summary of 3MS Servers + 3MS
o pending changes exist. Click the Release onfiguration button to allow others to edit the omain.	Create a New JMS System Hodule Resource	*	
Lock & Edd	Back Reid Finish Cancel		
Release Configuration	The following properties will be used to	target your new JHS system module resource	
omain Structure ubs113_domain + Environment	Use this page to select a subdeployment to ass SAP agent. If necessary, you can create a new module's subdeployment management page.	sign this system module resource. A subdeployment is a r w subdeployment by clicking the Create a Rew Subdep	rechansm by which 245 resources are grouped and targeted to a server instance, cluster, or sloyment button. You can also reconfigure subdeployment targets later by using the parent
-Deployments -Services	Select the subdeployment you mant to use. If y	ou select (none), no targeting will occur.	
H-Messaging 3MS Servers Store-and Forward Agents	Subdeployments:	BS 💌 Create a New Subdeployment	
3NS Modules Path Services El -Bridges Data Sources	What targets do you want to assign to this sub- Targets :	deployment?	
Persistent Stores Foreign JNDI Providers Work Contexts	JHS Servers		
ow do I 🖯	• FCUBS_JMSServer		
Configure quotas for destinations Configure 3HS templates	Back Tiesd Finish Cancel		
Configure destination keys Configure topics	N <u>e</u>		
Configure queues			
Configure connection factories			
Configure uniform distributed topics			
Configure uniform distributed queues			
Configure foreign servers Configure 3MS SAF			
stem Status 🗟			
alth of Running Servers			
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Overloaded (0)			
			Local intranet 🗮 100%

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

ORACLE WebLogic Server®	Administration Console				0
Change Center	A Home Log Out Preferences 🔤 Record	Help	Q	Welcome,	weblogic Connected to: fcubs113_domain
View changes and restarts Pending changes exist. They must be activated to take effect.	Home >Summery of JOBC Data Sources >PEX Modules >PCU85_SystemPladule Plessages		ery of 345 Servers >Summary of 308C bi	ata Sources > PLEXTEST.WORLD > Summary of 2MS :	Server >3KS
Undo All Changes	Configuration Subdeployments Target	ts Security Not			
Initial Sources Serial Sources Series Series Series Series Series Series Series Series Series Series Series Series Series Series Series Series Series Series Series Series Series	Name: Descriptor File Name:	FCUBS_System jms,FCUBS_System	Hodule benModule jms. vml for this 2HS system module, including i	to configure new resources and access existing re The name of this 3H5 worker modi. The name of the 3H5 module deso queue and topic destinations, connection factories	ule. Mare Info
Persist Stores Providers Work Contexts W do L B	Customize this table Summary of Resources				Showing 1 to 1 of 1 Previous Next
Configure JMS system modules Configure subdeployments in JMS system	🔲 Name 🗠	Турс	JNDI Name	Subdeployment	Targets
modules Configure resources for 3MS system modules	NOTEFY_DEST_QUEUE	Queue	NOTIFY_DEST_QUEUE	FCUBS	FCUBS_JMSServer
rstem Status El Instan Status	New. Courte				Showing 1 to 1 of 1 Previous Next
Falled (0) Critical (0) Overloaded (0) Warning (0) CK (2)					



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

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DRACLE WebLogic Server® A			2 /2 F			0
hange Center		ne Log Out Preferences 🔝 Reco	a cost i bereard	9		ome, weblogic Connected to: fcubs113_domain
iew changes and restarts		>Summary of JDBC Data Sources > PLB as >FCUBS_SystemModule	EXTERT, WORLD > Summa	ery of 3MS Servers > Summary of 3DBC Det	te Sources > PLEXTEST.WORLD > Summary of	/ IMS Servers > IMS
o pending changes exist. Click the Release onfiguration button to allow others to edit the origin.	Setting	s for FCUBS_SystemHodule				
LDOR & EDR	Config	guration Subdeployments Tar	gets Security Not	8		
Release Configuration	This p	oage displays general information ab	out a JMS system modul	e and its resources. It also allows you to	o configure new resources and access exis	ting resources.
imain Structure	Name		FCU85_System/	lodule	The name of this JMS system	n madule. Mare Info
bs113_domain Environment Deployments Services	Descr	iptor File Name:		temModule-jmsxml		e descriptor file. More Info
H Messaging 3NS Servers Store-and Forward Agents 3NS Modules Path Services	destr	page summarizes the 3MS resources in nation quota, distributed destination comize this table	that have been created s, foreign servers, and :	for this JMS system module, including q store-and-forward parameters.	ueue and topic destinations, connection fa	ctories, JMS templates, destination sort keys,
Bridges Totala Sources	Sumr	mary of Resources				
	Summ					Showing 1 to 1 of 1 Previous Next
Data Sources Persistent Stores Providers Providers Work Contexts			Туре	JNDI Name	Subdeployment	Showing I to 1 of 1 Previous Next Targets
Obta Sources Persistent Stores Persistent Stores Persistent Stores Work Contexts work Contexts B		Detrin	Type	JNDI Name NOTIFY_DEST_QUEUE	Subdeployment PCUBS	
Data Sources Persistent Stores Persistent Stores Persistent Stores Persistent Stores Persistent Rotates Configure 2HS system modules Configure 3HS system modules	New	NOTIFY_DEST_QUEUE				Targets
Outs Sources Proved. 2017 Sources Proved. 2017 Providers Work Contexts Work Contexts Configure Addedsources To Add Sources Configure Addedsources Configure resources for 245 system modules Configure resources for 245 system modules	New	NOTIFY_DEST_QUEUE				Targets PCL85_JMSServer
Data Sources Persistent Stores Person 2012 Providers Work Contracts work Contract work Contracts work work work Contracts wo	New	NOTIFY_DEST_QUEUE				Targets PCL85_JMSServer
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Deta Sources Persettent Stores Persettent Persettent Persettent Persettent Persettent Persettent Persettent Persettent	New	NOTIFY_DEST_QUEUE				Targets PCL85MISServer
	New	NOTIFY_DEST_QUEUE				Targets PCL85_JMSServer

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'.

ORACLE WebLogic Server®					0
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o pending changes exist. Click the Release onfiguration button to allow others to edit the prian.	Settings for FCUBS_SystemHod	ole			
L009.& E01.	Configuration Subdeployments	Targets Security Not	tes		
Release Configuration	This page displays general informe	ition about a 345 system modu	/e and its resources. It also allows you to	o configure new resources and access exis	sting resources.
omain Structure	Name:	PCUBS_System	Marti da	The name of this JMS puster	n modela - Mora Info
ubs113_domain	manne.	record_pyram	- Source	The name of this and system	
"Deployments	Descriptor File Name:	jms/FCU85_5ys	itemModule (ms. xml	The name of the 3MS module	e descriptor file. More Info
Hessaging Mis Servers Servers Servers With Servers With Modules Path Services	Customize this table	thations, foreign servers, and	store-and-forward parameters.	yene and work describing of the contra	ctories, JMS templates, destination sort keys,
- 2x3 Servers - Store and Porward Agents - "Arth Services - Path Services - Path Services - Path Sources - President Sources - Provign JACP Providers	destination quota, distributed des	onations, foreign servers, and	r to the and space models, indexing a store-and-forward parameters.		ctones, yro tempeses, bestneson surriers, Showing 1 to 1 of 1 Previous Next
205 Servers -Sore and Forward Agents -246 Nobles -Path Snocks -Path Snocks -Path Sources -Pastor Stores -Pastor Stores	destruction quota, distributed des	Type	3MDI Name	Subdeployment	
- 35 Servers - 35 Servers - 35 Nodules - 48 Nodules - 48 Nodules - 48 Nodules - 48 Nodules - 58 Nodules -	destination quota, distributed des	briations, foreign servers, and	store-and-forward parameters.		Showing 1 to 1 of 1 Previous Next
Sof Serves Softwars Configure Softwars Configure Softwars Softwars Configure Softwars	destination quota, distributed des © Customize this table Summary of Resources New, Trees Rame &	Type	Store-and-forward parameters.	Subdeployment	Showing 1 to 1 of 1 Previous Next Tangets
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Soft Servers Softward Agents Softward Agents Softward Agents Softward Agents Softward Agents Softward Path Softward Portiginal Provides Portiginal Provides Portiginal Provides Void L Configure 29% system modules Configure resources for 24% system modules retem Status	destruction quota, destructed des Costomate this table Summary of Resources New Coston Rame & NOTIPY_DEST_QUEUE	Type	Store-and-forward parameters.	Subdeployment	Showing to Lof L Previous Hert Targets PCL85_PROServer
Soft Servers Softward Agents Softward Agents Softward Agents Softward Agents Softward Agents Path Softward Portige Softward Portige Softward Portige Softward	destruction quota, destructed des Costomate this table Summary of Resources New Coston Rame & NOTIPY_DEST_QUEUE	Type	Store-and-forward parameters.	Subdeployment	Showing ito Jof L Previous Hext Targets PCL85_PRSServer
Soft Servers Softward Remark Agents Pasts Southers Posts Software Posts Posts Software	destruction quota, destructed des Costomate this table Summary of Resources New Coston Rame & NOTIPY_DEST_QUEUE	Type	Store-and-forward parameters.	Subdeployment	Showing ito Jof L Previous Hext Targets PCL85_PRSServer
Poil Servers Tode and Pravel Agents Tode and Pravel Agents Tode Rodues Todes And Pravel Agents Todes Access Todes	destruction quota, destructed des Costomate this table Summary of Resources New Coston Rame & NOTIPY_DEST_QUEUE	Type	Store-and-forward parameters.	Subdeployment	Showing its lof i Previous Next Targets PCL85_PRSServer

The following screen is displayed:

🖉 Create a New 3MS System Module			ar 🕲 • avs 🖸 • 🖶 • 🔯 • 🔞
	Photo and the second		ç
ange Center	1 Home Log Out Preferences 🔤 Record Help	9	Welcome, weblogic Connected to: fcubs113_dom
w changes and restarts	Home >Summary of IDBC Data Sources > PLEXTEST.WORLD > Sum Modules > PCUBS_SystemModule	many of 3MS Servers > Summary of 3DB	IC Data Sources » PLEXTEST. WORLD » Summary of IMS Servers » IMS
pending changes exist. Click the Release inguration button to allow others to edit the tain.	Create a New JPIS System Hodule Resource		
Leon & East	Back Next Frim Cancel		
Release Configuration	Choose the type of resource you want to create.		
nain Structure	Use these pages to create resources in a JMS system module,	uch as queues, topics, templates, ar	nd connection factories.
s113_domain A Brwinomment Deployments Services	Depending on the type of resource you select, you are promot factories, distributed gunues and topics, foreign servers, and targetable resources with subdeployments, which is an advance	MS SAF destinations, you can also pr	ing the resource. For targetable resources, like stand-alone queues and topics, connection ocened to targeting pages for selecting appropriate server targets. You can also associate lie resources and the members to server resources.
Messaging Massaging MS Servers Store and Porward Agenta	Connection Factory		Defines a set of connection configuration parameters that are used to create connections for JMS clents. Mare Enfo
3MS Modules Path Services El Bridges Data Sources	O Queue		Defines a point-to-point destination type, which are used for asynchronous peer communications. A message delivered to a queue is distributed to only one consumer. More Info
Persistent Stores Foreign 2401 Providers Work Contexts	O Topic		Defines a publish/subscribe destination type, which are used for asynchronous peer communications. A message delivered to a topic is distributed to all topic consumers. More Info
r do L	O Distributed Queue		Defines a set of queues that are distributed on multiple JHS servers, but which are accessible as a single, logical queue to JHS dients. More Info
infigure guotas for desonations infigure JMS templates infigure destination keys	O Distributed Topic		Defines a set of topics that are distributed on multiple 3HS servers, but which are accessible as a single, logical topic to 3HS clienta. More brig
onfigure topics onfigure queues onfigure connection factories	O Foreign Server		Defines foreign messaging providers or remote WebLopic Server instances that are not part of the current donain. Here Info
infigure uniform distributed topics infigure uniform distributed queues	O Quota		Controls the allotment of system resources available to destinations. More ${\rm Info}_{\rm res}$
onfigure foreign servers onfigure JNS SAF	O Destination Sort Key		Defines a unique sort order that destinations can apply to arriving messages. Hore Enfo
em Status 😑	O JHS Template		Defines a set of default configuration settings for multiple destinations. More info
th of Running Servers	Personal and a state		
Faled (0) Critical (0) Overloaded (0)	SAF Imported Destinations		Defines a collection of imported store and forward (SAP) destinations. A SAP destination is a representation of a quotuce of topic in anendo server instance or duster that is imported into the local duster or server instance, so that the local server instance or duster can send messages to the remote server instance or duster. More \$n50
Critical (0)			or duster that is imported into the local duster or server instance, so the local server instance or duster can send messages to the remote server

2. Select 'Connection Factory'. Click 'New'.



🔅 🎢 Create a New 3MS System Module	Resource - fcubs11		🚰 * 🖾 - 📾 * 🔂 Bage - 🙆 Tgols -
DRACLE WebLogic Server	Administration Console		0
ange Center	Home Log Out Preferences 🖾 Record	d Help	Welcome, weblogic Connected to: fcubs113_domain
ew changes and restarts	Home >Summary of JDBC Data Sources > FLE Modules > FCUBS_SystemModule	XTEST.WORLD >Summary of 3MS Servers >Summary of 3DBC Da	its Sources > RED/TEST.WORLD > Summary of 3MS Servers > 3MS
pending changes exist. Click the Release infiguration button to allow others to edit the man.	Create a New JMS System Module Reso	sarce	
LOOK & BOX	Back Next Finish Cancel		
Release Configuration	Connection Factory Properties		
main Structure		ntify your new connection factory. The current module is FCU8	55_SystemModule.
bs113_domain	" Indicates required fields		
Environment Deployments	What would you like to name your new conn	ection factory?	
Services	"Name:		
B-Messaging H-3MS Servers	Name.	NotifyDestQCF	
Store-and Forward Agents	What JNDI Name would you like to use to los	sk up your new connection factory?	
Path Services B-Bridges	3NDI Name:	NotifyDestQCF	
Persistent Stores	The Connection Pactory Subscription Sharing	g Policy Subscribers can be used to control which subscribers o	an access new subscriptions. Should subscriptions created using this factory be sharable?
Foreign JNDI Providers Work Contexts	Subscription Sharing Policy:	Exclusive 👻	
w do I 🖂	The Client ID Policy indicates whether more 1		ecommends setting the Client ID policy to Unrestricted if sharing durable subscribers.
Configure quotas for destinations	Subscriptions created with different Client II	D policies are always treated as independent subscriptions. WP	hat Client ID Policy would you like to use?
Configure 3MS templates Configure destination keys	Client ID Policy:	Restricted	
Configure topics Configure queues	A connection factory can limit the number of	fmessages that can queued for an asynchronous session. Sho	ould this connection factory impose a limit?
Configure connection factories Configure uniform distributed topics	Haximum Messages per Session:	10	
Configure uniform distributed queues Configure foreign servers	Should this connection factory create sessio	ins that are JTA aware, and create XA queues and XA topics?	
Configure JMS SAF	XA Connection Factory Enabled		
item Status	Back Next Finish Cancel		
alth of Running Servers			
Falled (0)			
Critical (0)			
Overloaded (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:

Create a New JMS System Module	Resource - fcubs11	🗿 * 🔝 - 📾 * 🖓 Page - 🛞 Tgols -
DRACLE WebLogic Server	Administration Console	0
hange Center	A Home Log Out Preferences Record Help	Welcome, weblogic Connected to: fcubs113_domain
New changes and restarts	Home >Summary of JDBC Data Sources >FLEXTEST.WORLD >Summary of JMS Servers >Summary Modules >FCUBS_SystemHodule	of JDBC Data Sources > FLEXTEST.WORLD > Summary of JMS Servers >JMS
io pending changes exist. Click the Release onfiguration button to allow others to edit the loman.	Create a New JMS System Hodule Resource	
LOCK & EOK	Back Territ Finish Advanced Targeting Cancel	
Release Configuration	The following properties will be used to target your new JMS system module re-	ource
lomain Structure	Use this page to view and accept the default targets where this 3MS resource will be targeter accept the default targets, then click Advanced Targeting to use the subdeployment med	. The default targets are based on the parent JMS system module targets. If you do not want to anism for targeting this resource.
9-Environment **Deployments >Services 19-twessaging **3K5 Servers **3K5 Servers	The following 2HS module targets will be used as the default targets for your new 2HS system appropriately. Targets :	nodule resource. If the module's targets are changed, this resource will also be retargeted
JMS Modules	Servers	
Path Services Brendges Data Sources Persistent Stores	ManagedServer1	
Foreign JHD1 Providers Work Contexts	Back Territ Finah Advanced Targeting Cancel	
ow do I		
Configure quotas for destinations Configure 345 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		
stem Status	1	
alth of Running Servers		
Faled (0)		
Critical (0)		
Overloaded (0)		

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

Create a New 3MS System Module	Resource - fcubs11		🙆 * 🖾 - 👼 * 🔂 Bage - 🎯 Tgols -
DRACLE WebLogic Server	Administration Console		0
lange Center	🙆 Home Log Out Preferences 🖾 Record Help	9	Welcome, weblogic Connected to: fcubs113_domain
ew changes and restarts	Home >Summary of JDBC Data Sources >PLEXTEST.WORLD >Sur Modules >PCUBS_SystemHodule	mmary of 3MS Servers >Summary of 3080	Data Sources > PLEXTEST.WORLD > Summary of 3MS Servers > 3MS
pending changes exist. Click the Release infiguration button to allow others to edit the enan.	Create a Rew 2HS System Hodule Resource		
Release Configuration	The following properties will be used to target your n	ew JHS system module resource	
amain Structure bb113_doman "Environment "Declovments	Use this page to select a subdeployment to assign this system SAP agent. If necessary, you can create a new subdeployme module's subdeployment management page.	module resource. A subdeployment is a nt by clicking the Create a New Subde	mechanism by shich 348 recources are grouped and targeted to a server instance, duster, or pployment button. You can also reconfigure subdeployment targets later by using the parent
Services Prressaging Jirls Servers Store-and-Forward Agents	Select the subdeployment you want to use. If you select (none Subdeployments: FCUBS Creat), no targeting will occur. te a New Subdeployment	
JMS Modules Path Services Data Sources Persitent Stores	What largets do you want to assign to this subdeployment? Targets :		
Horeign 3hD1 Providers Work Contexts K do L	Servers HanagedServer1		
onfigure quotas for destinations onfigure 245 templates onfigure destination keys	JHS Servers FCUB5_JHSServer		
onfigure topics onfigure queues onfigure connection factories onfigure uniform distributed topics	Back Terrah Cancel		
onfigure uniform distributed queues onfigure foreign servers onfigure JMG SAF			
tem Status 🛛	1		
th of Running Servers			
Failed (0) Critical (0) Overloaded (0)			
overleaded (0)			

8. Select the 'Subdeployments' as FCIS.



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

DRACLE WebLogic Server®	Administration Connels					C
hange Center	Administration Console	rennes Decord Help	9		Welcome, we	blogic Connected to: fcubs113_dom
iew changes and restarts	Hame > Summary of JDBC	Data Sources > PLEXTEST.WOR	COLORADO DE LA COLORA	the second states of the second states are second	PLEXTEST.WORLD >Summary of IMS Serv	and a state of the second
nding changes exist. They must be activated	Modules >FCUBS_System Messages	nttodule				
take effect.	Connection factory greated successfully.					
Activate Changes	 Connection factory of 	eated successruly.				
Undo All Changes	Settings for FCUBS_Sys	temHodule				
	Configuration Subde	ployments Targets Secu	nity Notes			
main Structure						
bs113_domain + Environment Decloyments	This page displays gener	ral information about a JMS sys	stem module and its reso	urces. It also allows you to configure	new resources and access existing resources	rces.
Services	Name:	POUB	S_SystemModule		The name of this 3MS system module.	More Info
E-Messaging	Descriptor File Name: ms.FCUB5_SystemNodule-ans.xml			The name of the 245 module descriptor file. More info		
Store-and Forward Agents	This page summarizes th	e JMS resources that have be	en created for this JMS s	system module, including queue and t	The name of the JMS module description opic destinations, connection factories, J	
Store-and-Porward Agents	This page summarizes th	e JNS resources that have be buted destinations, foreign ser	en created for this JMS s	system module, including queue and t		
-Store-and Floward Agents DirS Modules Path Services Bi-Bridges Deta Sources Persistent Stores Persistent Stores	This page summarizes th destination quote, distri Customize this table	e JNS resources that have be buted destinations, foreign ser	en created for this JMS s	system module, including queue and t		
- Store and Ponted Agents - Park Houlds - Park Services Histoge - Ceta Sources - Ceta Sources - Poensitent Stores - Poensitent Stores - Poensitent Stores - Warks Controlts - Warks Controlts - Configure 3HS system modules	This page summarizes th destination quots, distri Customize this table Summary of Resource	e JNS resources that have be buted destinations, foreign ser	en created for this JMS is vers, and store-and-for	system module, including queue and t		45 templates, destination sort keys,
Source and Ponted Agents -PAS Houlds -Pads Houlds -Pads Houlds -Pads Facilities Pade Sarvices Pade Sarvices	This page summarizes th destination quots, distri Customize this table Summary of Resource New, Castier	re 245 resources that have be builted destinations, foreign ser es	en created for this JMS is vers, and store-and-for	system module, including queue and t	age: destinations, connection factories, 3	HS templates, destination sort keys,
Sorie and Forniard Agents	This page summarizes th destination quota, distri Customize this table Summary of Resource New, Coeffe	e. INS resources that have be builed destinations, foreign ser es Type Conv	en greated for this JMS in vers, and store-and-for store Factory	sistem module, including overve and T in and parameters. JNDI Name	opc destinations, connection factories, 3 Subdeployment	vS templates, destination sort keys, Showing 1 to 2 of 2 Previous text Targets
A Son and Agents Add Son	This page summarizes it destination quarks, datri Customize this table Summary of Resource New, Center Rame ev InterfyDestQCF NOTIFY_DEST_Q	e. INS resources that have be builed destinations, foreign ser es Type Conv	en greated for this JMS in vers, and store-and-for store Factory	Instein module, including oueve and T inerd parameters. JHOT Name Not5/DestQCP	opic destinations, connection factures, J Subdeployment FCL05	NS templates, destination sort keys, Showing 1 to 2 of 2 Previous text Targets PCLdS_2HOServer PCLdS_2HOServer
Solve and Porvind Agents -246 Module -246 Module	This page summarizes IP destination quots, data' Costomize this table Summary of Resource New, Costor Rame size Toofs/CestQCF	e. INS resources that have be builed destinations, foreign ser es Type Conv	en greated for this JMS in vers, and store-and-for store Factory	Instein module, including oueve and T inerd parameters. JHOT Name Not5/DestQCP	opic destinations, connection factures, J Subdeployment FCL05	NS templates, destination sort keys, Showing 1 to 2 of 2 Previous (text Targets PCLBS_PROServer
Source and Porvied Agents -204 Module -204 Module -204 Module -204 Module -204 Module -204 Sources -204 Sources -204 Sources -204 Sources -204 Module -	This page summarizes it destination quarks, datri Customize this table Summary of Resource New, Center Rame ev InterfyDestQCF NOTIFY_DEST_Q	e. INS resources that have be builed destinations, foreign ser es Type Conv	en greated for this JMS in vers, and store-and-for store Factory	Instein module, including oueve and T inerd parameters. JHOT Name Not5/DestQCP	opic destinations, connection factures, J Subdeployment FCL05	NS templates, destination sort keys, Showing 1 to 2 of 2 Previous text Targets PCLdS_2HOServer PCLdS_2HOServer
Soverard Porvind Agents 246 Hodds 246 Honds	This page summarizes it destination quarks, datri Customize this table Summary of Resource New, Center Rame ev InterfyDestQCF NOTIFY_DEST_Q	e. INS resources that have be builed destinations, foreign ser es Type Conv	en greated for this JMS in vers, and store-and-for store Factory	Instein module, including oueve and T inerd parameters. JHOT Name Not5/DestQCP	opic destinations, connection factures, J Subdeployment FCL05	NS templates, destination sort keys, Showing 1 to 2 of 2 Previous text Targets PCLdS_2HOServer PCLdS_2HOServer
A Sports - And Agents Park Favices History Park Services	This page summarizes it destination quarks, datri Customize this table Summary of Resource New, Center Rame ev InterfyDestQCF NOTIFY_DEST_Q	e. INS resources that have be builed destinations, foreign ser es Type Conv	en greated for this JMS in vers, and store-and-for store Factory	Instein module, including oueve and T inerd parameters. JHOT Name Not5/DestQCP	opic destinations, connection factures, J Subdeployment FCL05	NS templates, destination sort keys, Showing 1 to 2 of 2 Previous text Targets PCLdS_2HOServer PCLdS_2HOServer

- 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.

DRACLE WebLogic Server®	Administration Console		0
hange Center	A Home Log Out Preferences In Record Help	9	Welcome, weblogic Connected to: fcubs113_domai
New changes and restarts	Kome »PLEXTEST.WORLD »Summary of 3MS Servers »Summary of 3 Modules »PCUBS_SystemModule »NotifyDestQCF »PCUBS_SystemMo	DBC Data Sources > PLEXTEST.WORLD >S odule >NotifyDestQCF	iumnary of JMS Servers >JMS
ending changes exist. They must be activated take effect.	Settings for NotifyDestQCF		
 Activate Changes 	Configuration Subdeployment Notes		
Undo All Changes	General Default Delivery Client Transactions Flow Co	ntrol Load Balance Security	
omain Structure	Save		
buts113_domain the second se	Use this page to define the general configuration parameters for	this 3M5 connection factory, which includ	des various client connection, default delivery, load balancing, and security parameters.
Messaging	A NotfyDestQCF		The name of this 3M5 connection factory. More Info
Store-and Forward Agents 245 Modules Path Services	3NDI Name: NotifyDestQCF		The global 2KDI name used to look up a connection factory within a dustered 3KDI namespace. More Info
Data Sources	🔲 👩 Default Targeting Enabled		Specifies whether this 24G resource defaults to the parent module's targeting or uses the subdeployment targeting mechanism. More Info
Persistent Stores Foreign JNDI Providers	- D Advanced		
-Work Contexts	Save		
ow do I 🖂			
Configure connection factories			
ystem Status			
ealth of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
Warming (0)			



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

Settings for NotifyDestQCF - fo	ubs113_domain - WL5	🗿 * 🖾 - 📾 * 💽 Bage - 🎯 Tgols -
DRACLE WebLogic Serve	r® Administration Console	0
hange Center	Home Log Out Preferences Im Record Help	Welcome, weblogic Connected to: fcubs113_domain
lew changes and restarts	Home >FLEXTEST.WORLD >Summary of JMS Servers >Summary of JD8C Data Sources >FLEXTEST.WORLD >Summary Modules >FCUBS_SystemModule =NotFyDestQCF >FCUBS_SystemModule >NotiFyDestQCF	of JMS Servers. >JMS
ending changes exist. They must be activated take effect.		
Activate Changes	Configuration Subdeployment Notes	
Undo All Changes	General Default Delivery Client Transactions Plow Control Load Balance Security	
omain Structure	Save	
bst13_domain "Environment "Deployments "Services © Hoessophic	Use this page to define the transaction configuration for this 3rds connection factory. You can define a transaction factory is returned, which create sessions that are 17A user-transaction aware.	n time-out value, and also indicate whether an XA queue or XA topic connection
Wessaging With Servers Store-and-Forward Agents With Modules	Transaction Timeout: 3600	The timeout value (in seconds) for all transactions on connections created with this connection factory. More $\inf \omega_{\rm co}$
-Path Services B-Bridges -Data Sources -Persistent Stores -Providers	👽 🏀 XA Connection Factory Enabled	Indicates whether a NA quoue or XA type: connection factory is returned, instead of a sub-or text connection factory. An Accomention factory can be used to create an XACensection, which in turn may be used to create an XACession, which in turn may be used to obtain an XAResource for use inside a transaction manager. More \$m6
- HORCORDAN	Save	
OW GO A		
Configure connection factories		
stem Status	10 I	
alth of Running Servers		
Faled (0)		
Critical (0)		
Overloaded (0)		
Warning (0)		

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

DRACLE WebLogic Serve	Administration Console	0
hange Center	B Home Log Out Preferences A Record Help	Welcome, weblogic Connected to: fcubs113_domain
lew changes and restarts ending charges exist. They must be activate take effect.	Home »REPTESTWORLD »Summary of 345 Servers -Summary of 268C beta Sources »REPTEST.WO Hookins »RCUES systemicode stock/peet[CF »RCUES_systemicode >Medit/Deet[CF Messages Settings updated successfully.	RLD » Summary of IMS Servers » IMS
Activate Changes	Settings for NotifyDestQCF	
Undo All Changes	Configuration Subdeployment Notes	
omain Structure	General Default Delivery Clent Transactions Flow Control Load Balance Securit	
bs113_domain "Environment "Deployments "Services	Save	
P Messaging Servers Store-and Forward Agents	Use this page to define the transaction configuration for this JNS connection factory. You can define factory is returned, which create sessions that are JTA user-transaction aware.	re a transaction time-out value, and also indicate whether an XA queue or XA topic connection
	Transaction Timeout: 3600	The timeout value (in seconds) for all transactions on connections created with this connection factory. More Info
- Data Sources - Persistent Stores - Foreign 3NDI Providers - Work Contexts	V de 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 XXConnecton, which in turn may be used to create an XXAssion, which in turn may be used to obtain an XXAssiource for use inside a transaction manager. More afree X
ow do I		e tantaction manager. More intro
Configure connection factories	Save	
stem Status	8	
alth of Running Servers		
Faled (0)		
Critical (0)		
Overloaded (0) Warning (0)		

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



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

			C	
WebLogic Server		1.4.1		
ange Center	Home Log Out Preferences Record Help	<u>A</u>	Welcome, weblogic Connected to: fcubs113_dom	
ew changes and restarts	Home > FLEXTEST./WORLD > Summary of JMS Servers > Summary Modules > FCUIDS_SystemModule > NotifyDestQCF > FCUIDS_System	of JDBC Data Sources >FLEXTEST/WORLD >Sur mModule >NotifyDestQCF	mmary of JMS Servers >JMS	
k the Lock & Edit button to modify, add or the items in this domain.	Messages			
Lock & Edt	All changes have been activated. No restarts are necessar	¥.		
Revease Confouration	Settings for NotifyDestQCF			
- Havease Local Queatoo	Configuration Subdeployment Notes			
nain Structure	General Default Delivery Client Transactions Flo	w Control Load Balance Security		
s113_domain				
Deployments	Click the Lock & Editbutton in the Change Center to modify	the settings on this page.		
Services B-Messaging	Seve			
Store-and Forward Agents JMS Modules Path Services Et Bridges Data Sources	Use this page to define the transaction configuration for this factory is returned, which oreate sessions that are JTA user of Transaction Timcout:		section time-out value, and also indicate whether an XA queue or XA topic connection. The timeout value (in seconds) for all transactions on connections created with	
Persistent Stores			this connection factory. More Info	
-Foreign 34D1 Providers Work Contexts	🖂 🚓 XA Connection Factory Enabled		Indicates whether a XA queue or XA topic connection factory is returned, instead of a queue or topic connection factory. An XA connection factory can	
v do I E			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	
onfigure connection factories			a transaction manager. More Info	
	Seve			
cem status -	Click the Lack & Editbutton in the Change Center to modify the settings on this page.			
th of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Warning (0)				

7.3 Configuring Weblogic for Oracle FLEXCUBE

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

1. Select the domain from the domain structure as shown below. (Eg: fcis_domain).

RACLE WebLogic Server	Administration Console		
ange Center	🙆 Home Log Out Preferences 🐼 Record Help	9	Welcome, weblogic Connected to: fcubs113_dom
ew changes and restarts	Home >Summary of IMS Servers >Summary of IDBC Data S Modules >FCUB5_SystemModule >NotFyDestQCF >FCUB5_	ources > FLEXTEST.WORLD > Summary of 3MS Servers > 3MS SystemModule >Notify/DestDOF > founds 1.3. domain	
pending changes exist. Click the Release infiguration button to allow others to edit the man.			
LOOK & EOK	- Information and Resources		
	Helpful Tools	General Information	
Release Configuration	Configure applications	 Common Administration Task Descriptions 	
	Configure GridLink for RAC Data Source	 Read the documentation 	
nain Structure	Recent Task Status	 Ask a guestion on My Grade Support 	
s113 domain	 Set your console preferences 	Orade Guardian Overview	
Environment Deployme[fcubs113_domain]			
Services	- Domain Configurations		
P-Messaging	Domain	Services	Interoperability
3MS Servers	Domain	Messaging	WTC Servers
Store-and-Forward Agents 3MS Modules	17992075	 JMS Servers 	Jolt Connection Pools
-Path Services	tovironment	 Store-and-Forward Agents 	
8) Bridges	Servers	 JMS Modules 	Diagnostics
Data Sources	Custers	 Path Services 	Log Files
**Persistent Stores	Virtual Hosts	 Bridges 	Diagnostic Modules
Foreign JNDI Providers	Migratable Targets	Data Sources	Diagnostic Images
		Persistent Stores	Request Performance
do I	Coherence Servers Coherence Custers	XML Registries	Archives
earch the configuration	Contractor Custors Machines	XML Entity Caches	Context
se the Change Center			
roard WLST Scripts	Work Managers	Foreign 2NDL Providens	. 900
hange Console preferences	 Startup And Shutdown Classes 	Work Contexts	Removed and a second
onitor servers		 JCOM 	Charts and Graphs
	Your Deployed Resources	Mail Sessions	 Monitoring Dashboard P
tem Status	Deployments	 FieT3 	
iem status		• <i>T</i> TA	
th of Running Servers	Your Application's Security Settings		
Faled (0)	 Security Realms 		
Critical (0)			
Overloaded (0)			
Warning (0) OK (2)			

The following screen is displayed:



	Administration Console		0
	Home Log Out Preferences Record Help	9	Welcome, weblogic Connected to: fcubs113domai
sange Center lew changes and restarts	Home >Summary of INS Servers >Summary of IDBC Date	ta Sources >PLEXTEST.WORLD >Summary of JMS 5	Servers >3MS
pending changes exist. Click the Release	Modules >FCUB5_SystemModule >NotFyDestQCF >FCU	65_SystemModule >NotFyDestQCF >foubs113_do	mais
riguration button to allow others to edit th main.	e Settings for fcubs113_domain		
LOCK & ECK	Configuration Monitoring Control Security	Web Service Security Notes	
Release Configuration	General JTA JPA EJBs Web Applications	Logging Log Filters	
main Structure	Save		
ba113 domain Environment Deployments Services ® Heasaging	A domain is a collection of WebLogic Server instances domain. "Indicates required fields.	i that is managed by a single Administration Servi	er. Use this page to configure administrative options that apply to all servers in the current
3MS Servers Store-and-Forward Agents 3MS Modules	* Name:	fcubs113_domain	The name of this WebLogic Server domain. More Info
Path Services Dendges Data Sources "Persistent Stores	Enable Administration Port		Specifies whether the domain-wide edministration port should be enabled for this Weblo ogc Server domain. Recause the administration port uses SIL, enabling the administration port regures that SIL must be configured for all servers in the domain. More Enfis
Foreign JhDI Providers Work Contexts	Administration Port:		The common secure administration port for this WebLook Server density, those we prove the enable the administration cert.) Here $5\pi6\ldots$
w do I Change Console preferences Configure the domain-wide administration p	1 Production Mode:	tue	Specifies whether all servers in this domain run in production mode. Drive enabled, this can only be disabled in the admin server startup command line. Nore Info
stem status	de Enable Exalogic Optimizations		Specifies whether optimizations for Chacle Evalogic should be enabled. Commissions include improved Thread management and results processing, and reduced bod, contentions. This at bitbud actuable senabled only when the standard should be added to the standard should be anabled only when Tabiling Exalging-OpenIIC Enhancements in Clacke Web/apis Karver 11g Release 1 (10.34") in the Chacle Enableg Comparement Guide. Here Enforce
Failed (0) Critical (0)	🗌 🚓 Enable Cluster Constraints		Specifies that deployments targeted to a cluster succeed only if all servers in the cluster are running. More Info
Overloaded (0) Warning (0)	Enable on-demand deployment of inte	mal applications	Specifies whether internal applications such as the console, udd, wistestclient, and uddexplacer are deployed on demand (first access) instead of during server slartup. Mare Info
OK (2)	🔄 🛃 Enable Oracle Guardian Agent		Specifies whether the Guardian Agent is deployed when starting servers in the current domain. More Info
	- & Advanced		21034702-01102224478520

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

		ar 🕲 - 📾 - 🖸 - 📾 - 🖸 -
RACLE WebLogic Server	Administration Console	Welcome, weblogic Connected to: fcubs113_domai
ige Center changes and restarts		NotivDesDCF > PCUES SystemNedule >NotivDesDCF > (cutatil) domain > Summary of Mail
the Lock & Edit button to modify, add or	Sessions >fcubs113_domain	
e items in this domain.	Settings for fcubs113_domain	
Lock & Edt	Configuration Monitoring Control Security Web Service Security Notes	
Release Configuration	General JTA JPA EJBs Web Applications Logging Log Filters	
ain Structure	Click the Lock & Editbutton in the Change Center to modify the settings on this page.	
113_domain +	1010	
eployments ervices Hiessaging	Use this page to define the domain-wide Web application configuration settings.	
JWS Servers Store-and-Forward Agents JWS Nodules Path Services BHoldpes Data Sources	🗌 🚜 Rekogin Enabled	Beginning with the 9.0 release the FORMURAC authentication behavior has been modified to control to the JLEE Specification. If a user has logged to Use real three releases the second second activity of the (POMBLOED) again will be returned. Turn this flag on to enable the old behavior, which use to return but user to the logger ham. Note EMG
-Persistent Stores Foreign JNDI Providers 	🗌 🍓 Allow All Roles	In the security-constraints elements defined in a tweb application's web, will deployment descrater, the sum-constraint element indicates the user roles that should be permitted access to the resource calciton, here role anne = "" is a compact prints. for indicating all roles in the tweb application, in pervision areases, role anne = "" "inso trated as all users/roles defined in the sum of the sum o
ploy Web applications sp deployed Web applications lete Web applications		the realm. This parameter is a backward compatibility switch to restore oil behavior. CellarkLitehtwich are an encyated by the specimentary and relex- defined in the web application. If set, the value defined is weblogscami (container decaptor -> allow-all-roles) takes precedence (f set) over this value. More brifs
date run-time descriptors em Status B h of Running Servers	🗌 🍊 Filter Dispatched Requests	Indicates whether or not to apply filters to dispatched requests. This is a backward compatibility flag. Linki version 6.1, WebLagd Server applied Servie/Filter Bit Configured for the Web applications) on request dispatcher fand inducting filter and/d, Servind 2.4 has induced the "backather is and inducting filter and/d, Servind 2.4 has induced the "backather is order to be consider with the UEE second-calour, the default value for order to be consider with the UEE second-calour, the default value for
Failed (0) Critical (0) Overloaded (0) Warning (0) OK (2)		Filter/DepartmetR-oussetsTurbited is fields beganning with Webcogo Server 9-0. Note that by fur user outing old devotestions (maximum elu-mit does not have version-#2-0), then Webcogo Server automatically uses Filter/DepartmetR-puestStrahtmetd = true for the Web applications, unless filter-departmet requests -enabled is singlicity set to false in webggemit. This means that old applications will work filter without any modification. Additionally, during implication of old domains to the 5-0 domain, the migration pulpin automatically set this filter by thus
	Overload Protection Enabled	This parameter is used to enable overload protection in the webage container against low memory conditions. When a low memory situation occurs, men section details antimpti will real and in the memory situation occurs, men induction of the section of the antimeter of the section occurs method induction details and the antimeter and the section occurs details are passed and the configured in the section according and the section passes can be configured in the section according and the section occurs and the section occurs according and the section occurs and the section occurs and the section occurs according and the section occurs and the section occurs and the section occurs according and the section occurs and the section occurs and the section occurs according and the section occurs according and the section occurs according and the section occurs according and the section occurs according and the section occurs according and the section occurs according acc



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

Http Trace Support Enabled	Returns the value of Http:TraceSupportEnabled. More Info
WebLogic Plagin Enabled	Specifies whether or not the proprietary Wi, Proxy-Client-IP header should be honored. (This is needed only when WebLogic plugins are configured.) More Info
Auth Cookie Enabled	Whether authopokie feature is enabled or not. More Info
Change Session ID On Authentication	Global property to determine if we need to generate a new SessionID after authentication. When this property set to "faile", the previous sessionID will be retained even after authorization. More Info
WAP Inabled	Indicates whether the session TD should include 7AM information, (Proving the tax rates of the cetters in 12D and proving the central profits) with VMM (Operating the tax rates of the cetters in 12D and profits) and the tax rates of replicated sessions in a duriter (VMM in the tax is accelerated by the CML, will be set at \$2 characters, and it will not contain any special divalants. Note Tafour.
Post Timeout: 30	The amount of time this server waits between receiving churks of data in an HTTP POGT data before it times out, (This is used to prevent deniel-of-service attacks that attempt to overload the server with POST data.) More Info
Haximum Post Time: -1	Max Post Time (in seconds) for reading HTTP POST data is a servlet request. MaxPostTime <0 means unlimited. Mare Info
Maximum Post Size:	The maximum post size this server allows for reading HTTP POST data in a servict request. A value less than 0 indicates an unlimited size. More Info
Vork Context Propagation Enabled	Indicates whether or not WorkContextPhopagation is enabled. By default it is lurred on. There is a little overhead involved in propagating WorkContexts. Therefore, if you don't care whole WorkContext propagation, turn this value off in production environments. Here Info
C P3P Header Value:	Returns the P3P Header value that will be sent with all responses for http requests (if non-wall). 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 SSP compiler throws a translation error for JSPs that do not conform to the JSP compileration. This property exists for backward compatibility. More Jnfs
🕑 💰 Archived Real Path Enabled	Global property to determine the behavior of getReaRath() for archived web applications. When this property set to "true", getReaRath() will return the canoncial path of the resource files. Note Info
Sain	

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



6. The following screen is displayed:

Settings for fcubs113_domain - fcu		👰 • 🖾 - 👼 • 🖓 Bage - 🕲 Tgols
ORACLE WebLogic Server®	Administration Console	0
Change Center	A 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 Scientry of MS Servers Sciencery of DBC Data Sources >EEXTEST VORID Sciencery of MS Se Module >ECuB_Systemitodule >NotifyDeat(CF >FCuB5_Systemitodule >NotifyDeat(CF >fcuBs113_dom Hessages \$ Settings updated successfully.	rvers 3NS anis
	Settings for fcubs113_domain	
Undo All Changes	Configuration Monitoring Control Security Web Service Security Notes	
Domain Structure	General JTA JPA EJBs Web Applications Logging Log Filters	
	Save	
B-Services B-Messaging 	Use this page to define the domain-wide Web application configuration settings.	
Bortenice Anders Path Services Brandpes "Data Sources "Parassent Sories	🗋 🎻 Relogin trabled	Begring with the 9.0 release the FORM (BACIC submetciation behavior has been models to conform stork to the 2022 Geordiation. If suce has logged - hot does not have privileges to access a resport, the 403 (PORSIDE) opeging with berturned. That the stores are the old behavior, which was to return to the login form More \$nfin
work Contexts	☐ d [®] Allow All Roles	In the security-constraints elements defined in a Web applicator's web, will deployment descriptor, the auth-constraint element indicates the user roles that should be permitted access to the resource collection. Here role-mane = """ is a compact syntax for indicating all roles in the Web applicatori. In previous relacess, role-mane = """ use treated as all cuestivities defined in
Deploy Web applications Stop deployed Web applications Delete Web applications Update run-time descriptons		phenode integrates, fore-hene 4 - Two decided as utuation-back down in the normal manual state of the second state of the seco
System Status	🗌 🍓 Filter Dispatched Requests	Indicates whether or not to apply filters to dispatched requests. This is a backnard compatibility flag. Linth version 1. J. Webcycog Server applied ServierPitters of Contributor for the Web applications on recepts dispatchers (and included forwards). Serviet 2-4 has introduced the "Dispatcher" element to make this behavior explicit. The defactive value is Dispatcher REQUEST.
Paled (0) Critical (0) Overlaaded (0) Warning (0) OK (2)		order to be compaint with the J285 specification, the default value for FilterClassInhesR-questionables of fails behavioring with Viet&Qcs Evert 9.0. Note that if you are using dol descriptors (maxing with usin deal not have FilterClassInhesR-questionable) which for the Viet&Qcalatorson, unless FilterClassInhesR-questions will work fire without any modification. This means that idia graphics will work fire without any modification. Additionally, during impaction of add dowares to the 9.0 doware, the migration plagm automatidally even to filter of factors.
	Overload Protection Enabled	This parameter is used to enable overload protection in the weblapp container against low memory conditions. When a low memory situation occurs, new session creation attentist will result in weblapp, service LisesanCreationException. The application code needs to oright his exception and lake proper action. Alternatively appropriate error

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



7.4 Setup/Configure Mail Session in Weblogic

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

7.4.1 Creating JavaMail Session

To configure mail session, follow the steps below.

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

	Administration Console			C
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iew changes and restarts	Home >Summary of JOBC Data Sources >FLEXTEST/X Modules >FCUES_SystemModule >NotifyDestQCF >FI	WORLD >Summary of JMS Servers >JMS	and a ferrane of black ferral and	
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main Structure	This page summarizes the mail sessions that have	been configured in the current WebLogic Server o	domain.	
H Messaging	₽ Customize this table			
	Mail Sessions			
-Path Services	Click the Lock & Edit button in the Change Center	r to activate all the buttons on this page.		
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Warning (0)				



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

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Lock & Edit			
Release Configuration	Mail sessions facilitate the process of using the Java Protocol (SMTP)-capable mail servers on your netwo	aMail APIs, which provide applications and othe ork or the Internet.	er JZEE modules with access to Internet Message Access Protocol (IMAP)- and Simple Mail Transfer
omain Structure	This page summarizes the mail sessions that have b	een configured in the current WebLogic Server	domain.
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Store-and Forward Agents	Mail Sessions		
Path Services	Click the Lock & Editbutton in the Change Center	to any other all that he desire as this same	
B-Bridges	Cloc the Lock & Low bouton in the change center	to activate all the buttors on ons page.	
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11. Following screen is displayed.

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iew changes and restarts	Home >Summary of JDBC Data Sources >RLEXTEST.WORLD > Modules >FCUBS_SystemModule >NotifyDestQCF >FCUBS_SystemFodule >FCUBS_SystemFo	Summary of JMS Servers >JMS RemModule >HotFyDexbQCF >Foubs113_domain	->Summary of Hail Sessions
o pending changes exist. Click the Release onfiguration button to allow others to edit the smain.	ummary of Mail Sessions		
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Delete mail sessions			
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Warning (0) OK (2)			



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

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DRACLE WebLogic Server®	Administration Console	0
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iew changes and restarts	Home +Summary of JOBC Date Sources +FLEXTEST.WORLD +Summary of JMS Servers +JMS Modules +PCUBS_SystemModule +NotifyDetQCF +FCUBS_SystemModule +NotifyDetQCF +/Subst31_domain +Semimary of Mail Sessions	
opending changes exist. Click the Release onfiguration button to allow others to edit the smain.	Create a liew Hail Session	
Look & Ent	URD: Next Finsh Cancel	
Release Configuration	Mail Session Properties	
omain Structure	The following property will be used to identify your new mail session.	
ubs112 domain	* Indicates required fields	
9-Environment Deployments	What would you like to name your new mail session?	
B-Messaging 	*Name: FCUBSMailSession	
Store-and-Forward Agents 3NS Modules Path Services	d€] * 3ND1 Name: mail/FCUBSMail	
E) Bridges	👩 JavaHail Properties:	
- Data Sources	mail.host=stbeehive.oracle.com	
Persistent Stores Foreign 3hDI Providers	mail.smtps.debug=true	
-Work Contexts	mail.smtps.port=emtps mail.smtps.auth=true	
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OK (2)		

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

Name

FCISMailSession

JNDI Name

mail/FCISMail

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

Java Mail Properties

mail.host=<HOST_MAIL_SERVER>

Eg: samplename.mail.com

mail.smtps.port=<SMTPS_SERVER_PORT>

Eg: 1010

mail.transport.protocol=<MAIL_TRANSFER_PROTOCOL>

Eg: smtps

mail.smtps.auth=true

mail.smtps.host==<HOST_SMTPS_MAIL_SERVER>

Eg: samplename.mail.com



14. Click 'Next'.

The following screen is displayed.

🖗 🕸 🖉 Create a New Mail Session - foubst 1	3_domain - WLS		🙆 • 🔝 - 🖶 • 🔂 Bage • 🎱 Tgok
	Administration Console		0
Change Center	A Home Log Out Preferences 🖾 Record Heb	9	Welcome, weblogic Connected to: fcubs113_domain
view changes and restarts	Home > Summary of JOBC Data Sources > PLEXTEST, WORLD > Summary of JMS 1 Modules > FCUIDS_SystemModule >NotFyDestQCF > FCUIDS_SystemModule >NotF	Servers x3MS 6/DettOCF x6x/batt3_domain x5umr	many of Mail Sessions
io pending changes exist. Click the Release Configuration button to allow others to edit the Iomam.	Create a New Mail Session		
Lock & Ecc	Back Treat Finish Cancel		
Release Configuration	Mail Session Targets		
Domain Structure Ubb 11 Johnain Proposition Proposition	session.		ons that have been deployed to the selected servers or clusters can use this mail al, such a deployment ensures that if the deployment fails for one active server, it
Path Services Persident Persident Persident Persident Stores Persident Sto	HanagedServer1 Back Time Finan Cancel		
10W 00 1			
Configure access to JavaMali Target mail sessions			
ystem Status			
ealth of Running Servers			
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15. Check the box against the required servers and click 'Finish' to complete the configuration.

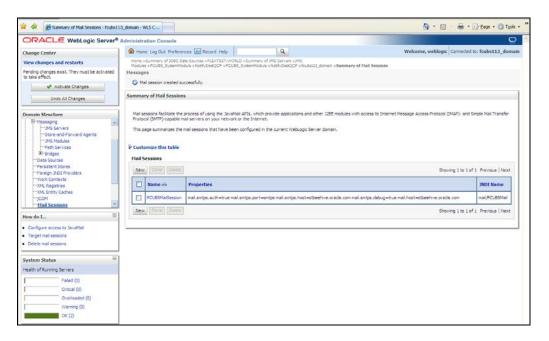
*** 'fcubs.properties' file needs to be updated with the encrypted values of

- SMTP_HOST
- SMTP_USER
- SMTP_PASSWORD
- SMTP_JNDI

This can be achieved using the Oracle FLEXCUBE Investor Servicing Installer.



16. 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 FLEXCUBE INSTALLER SERVICING uses SMTPS to send outgoing mails. SMTPS uses SSL to ensure transport-level security of the mail messages and hence, the certificate of the mail server needs to be imported into the trust store(s) of the Managed Servers where Oracle FLEXCUBE INSTALLER SERVICING is deployed.

The certificate of the mail server needs to be specifically imported into the trust store configured for the Managed Server(s), as configured in the Oracle FLEXCUBE INSTALLER SERVICING Installation guide titled 'SSL Configuration On Weblogic' (SSL_Configuration).

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





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