Deploying Oracle FLEXCUBE Application on WebSphere

Oracle FLEXCUBE Universal Banking

Release 14.2.0.0.0

[December] [2018]

ORACLE

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1. Deploying Oracle FLEXCUBE on WebSphere

1.1 Introduction

This document explains the steps to deploy the Oracle FLEXCUBE UBS application on IBM WebSphere application server.

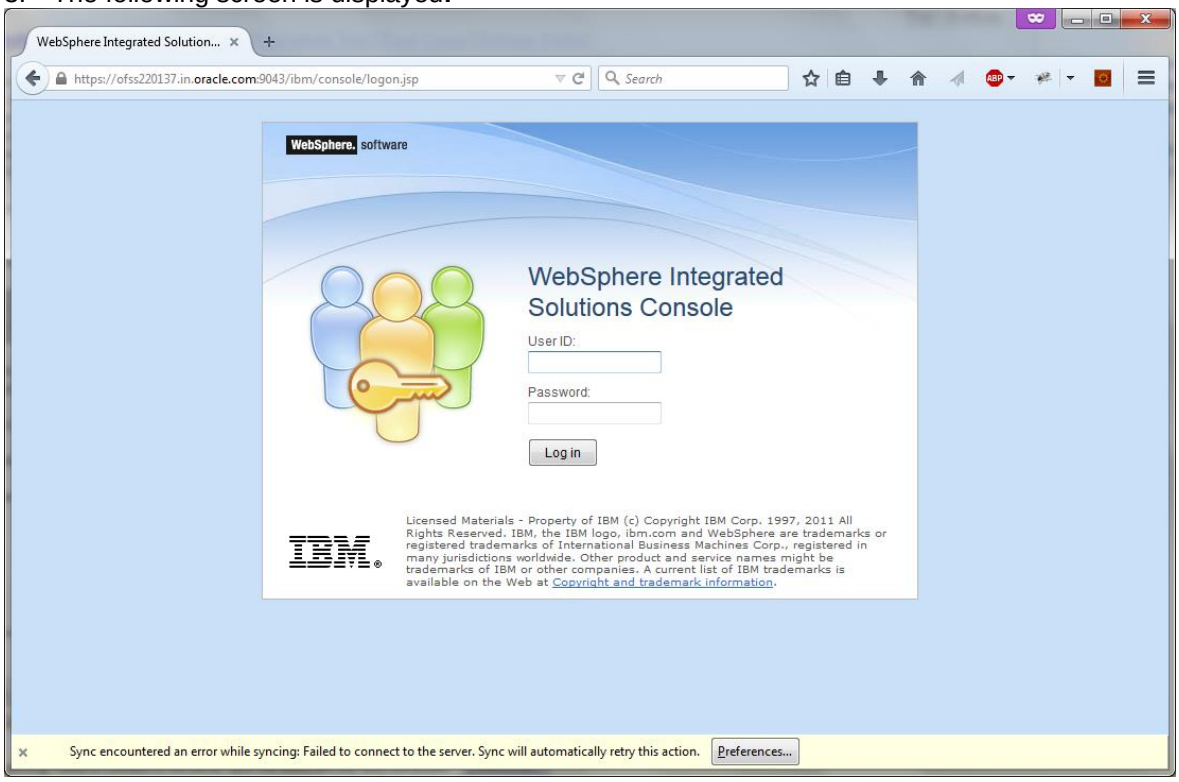
1.2 Deploying Application

1.2.1 Shared Library Deployment

To deploy Integration Adapter (OBCLExtAdapter.jar or ExtAdapter.jar) JAR on WebSphere application server, follow the steps given below:

1. Copy Generated Integration Adapter (OBCLExtAdapter.jar or ExtAdapter.jar) to WebSphere Application server {Was_profile}/Extadapter. Eg: /scratch/IBM8559/WebSphere/AppServer/profiles/BGV8559_01/Extadapter
2. Open the Administrative Console of WebSphere server:
    - Open an internet browser and type the WebSphere Admin Console URL http://{Host}:{Port}/console.
    - Eg: https://10.10.10.10:1010/console
    - In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

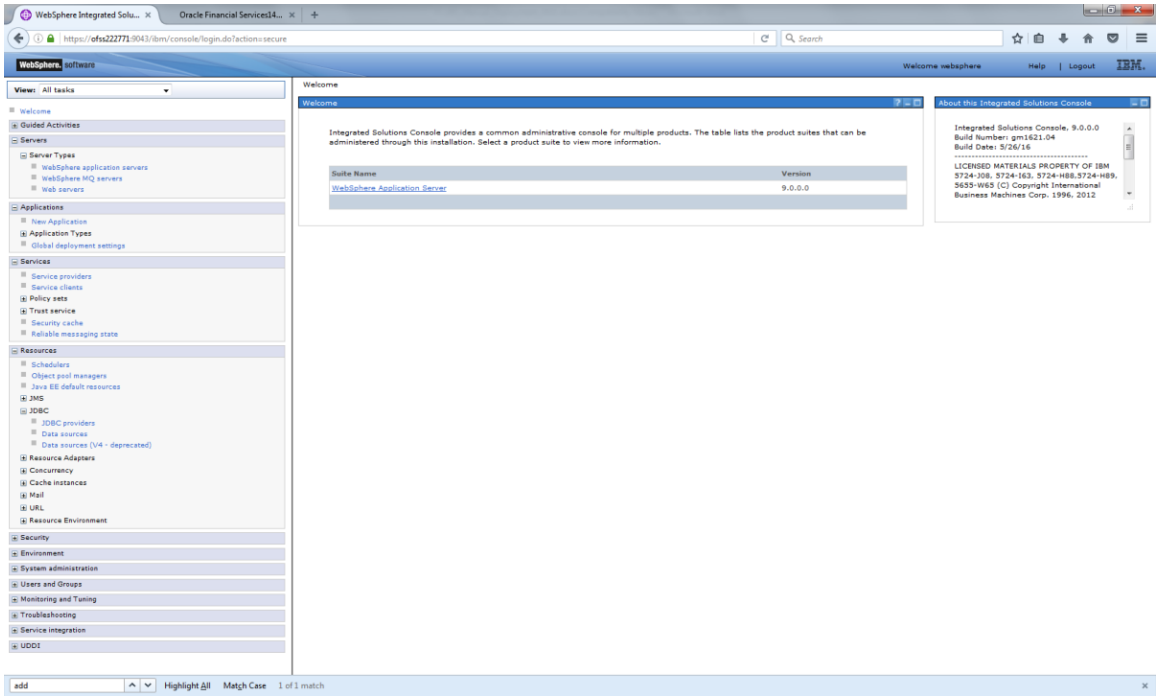
3. The following screen is displayed:



4. Enter the user name and password and click 'Log In' to log in to the application server.

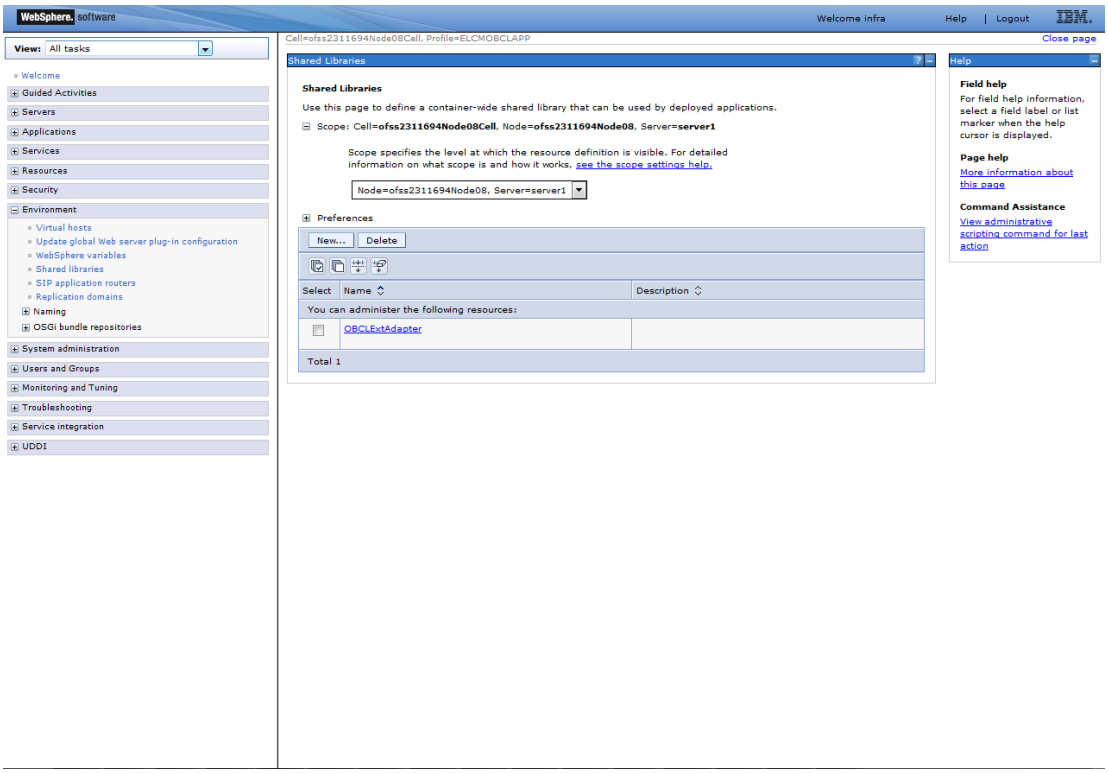
5. Navigate to the WebSphere Home Page.

   The following screen is displayed.



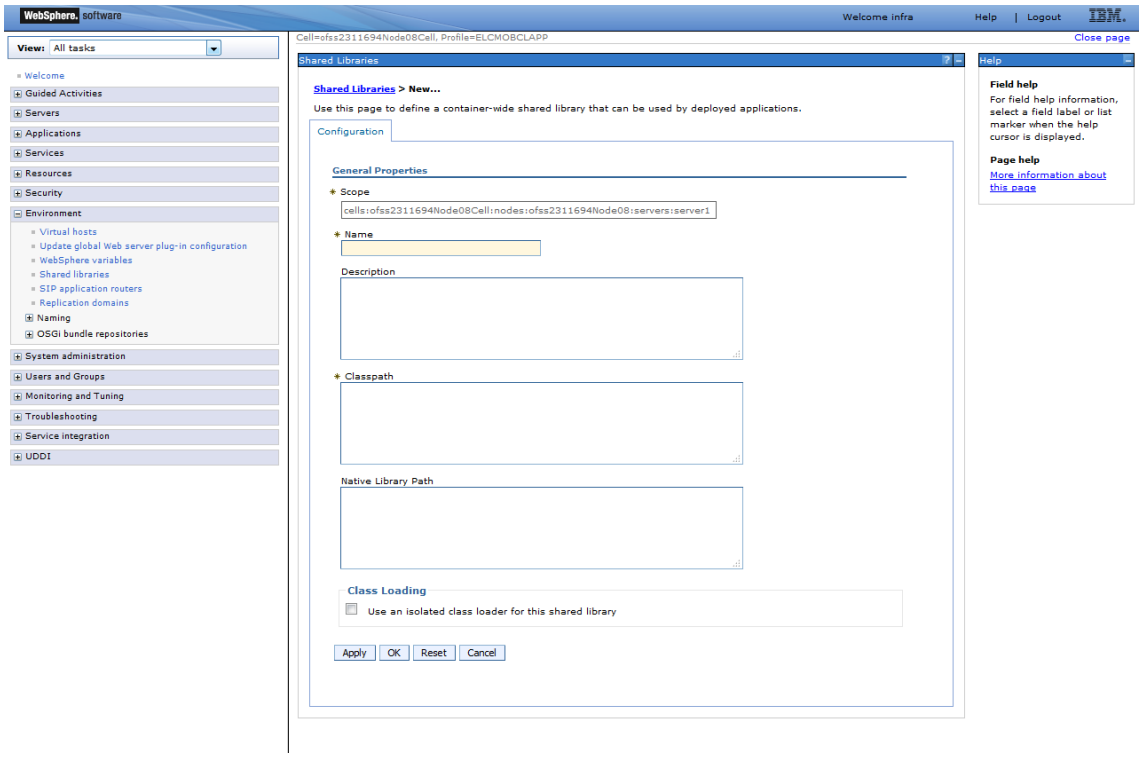
6. Expand Environment from left-side menu and Click ‘Shared Libraries’.

   The following screen is displayed.

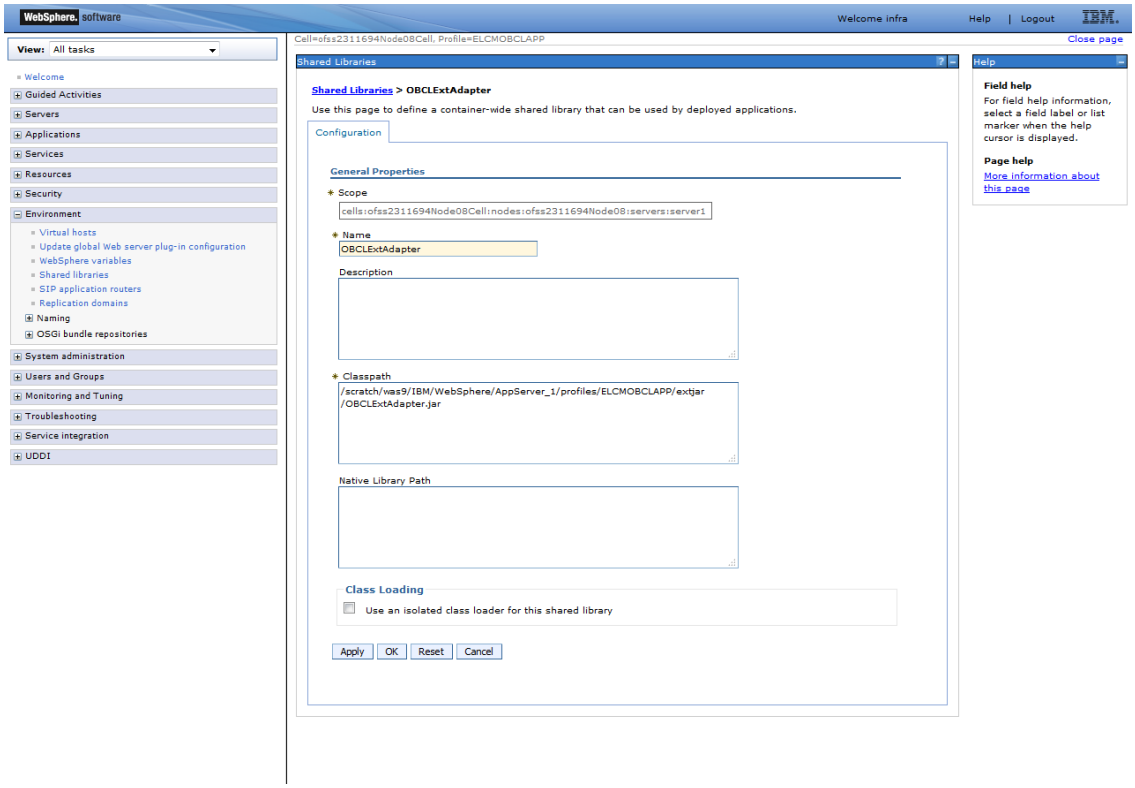


7. Click on New

   The following screen is displayed.



- Name : Name of the Adapter
- Description : provide description
- Classpath: provide ExtAdapter Jar path server {Was_profile}/Extadapter. Eg: /scratch/IBM8559/WebSphere/AppServer/profiles/BGV8559_01/Extadapter.



8. Click ‘Apply’ and ‘save’ the changes.

1.2.2 FCUBS Application Deployment

To deploy Oracle FLEXCUBE UBS application on WebSphere application server, follow the steps given below:

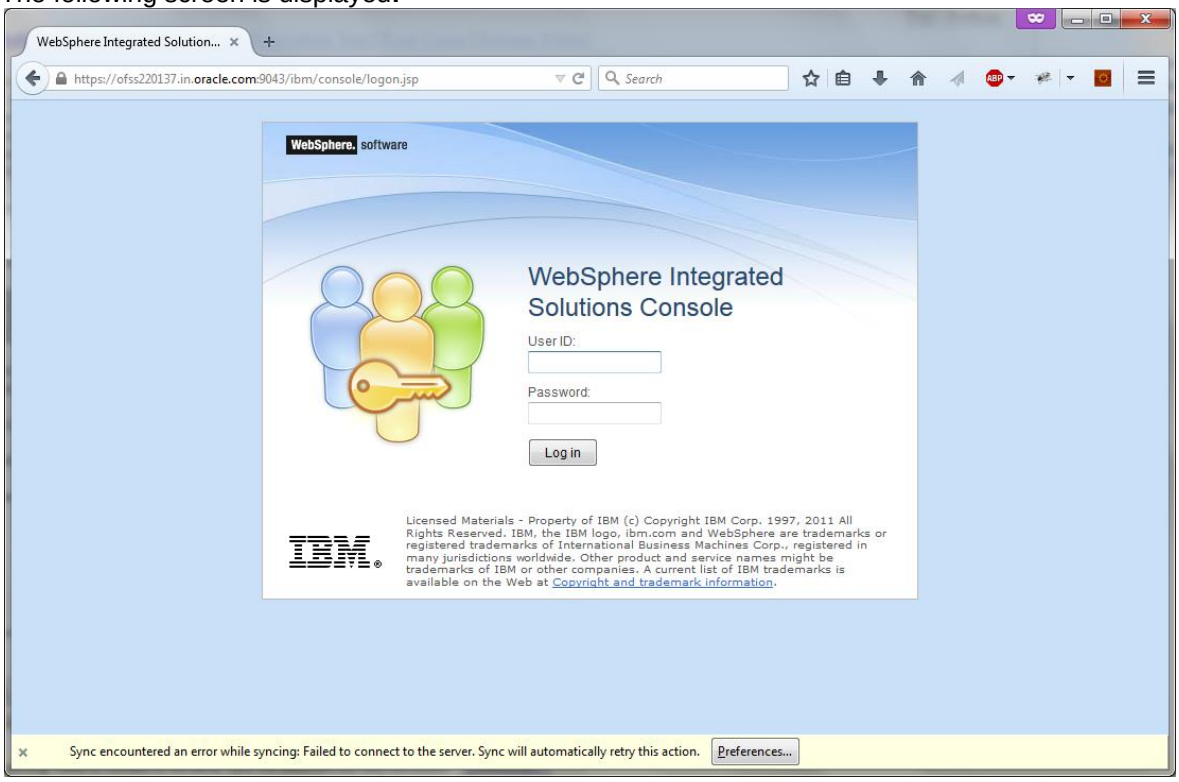
9. Open the Administrative Console of WebSphere server:

   Open an internet browser and type the WebSphere Admin Console URL http://{Host}:{Port}/console.

   Eg: https://10.10.10.10:1010/console

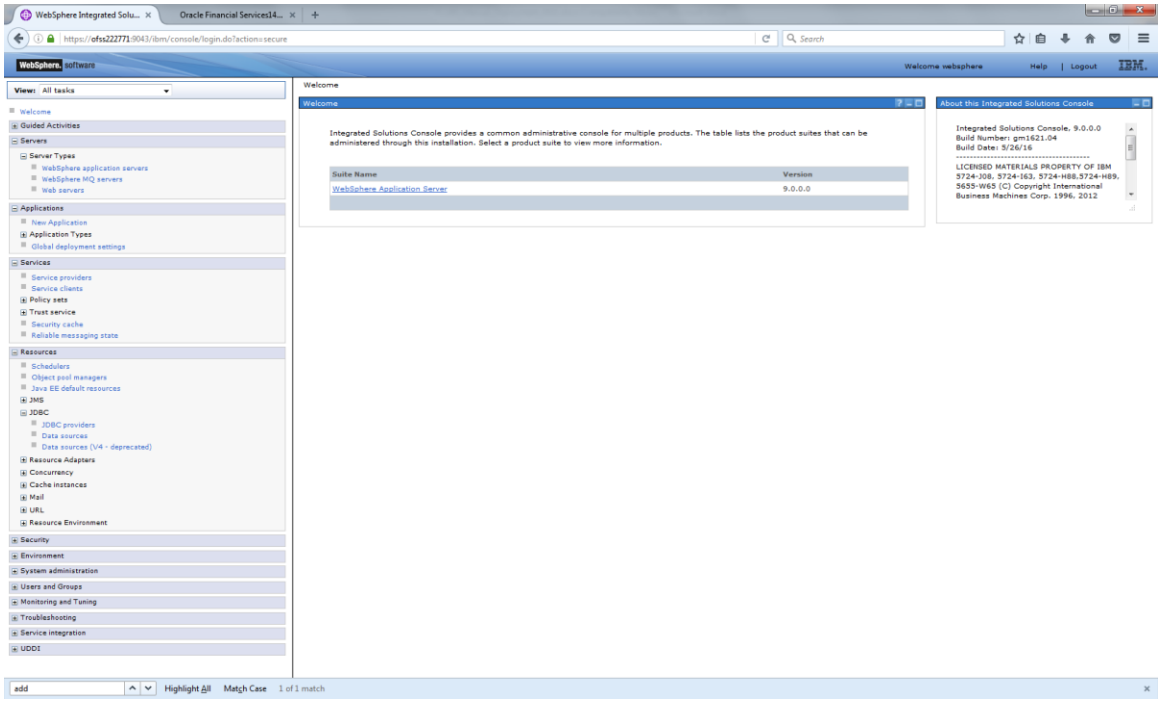
   In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



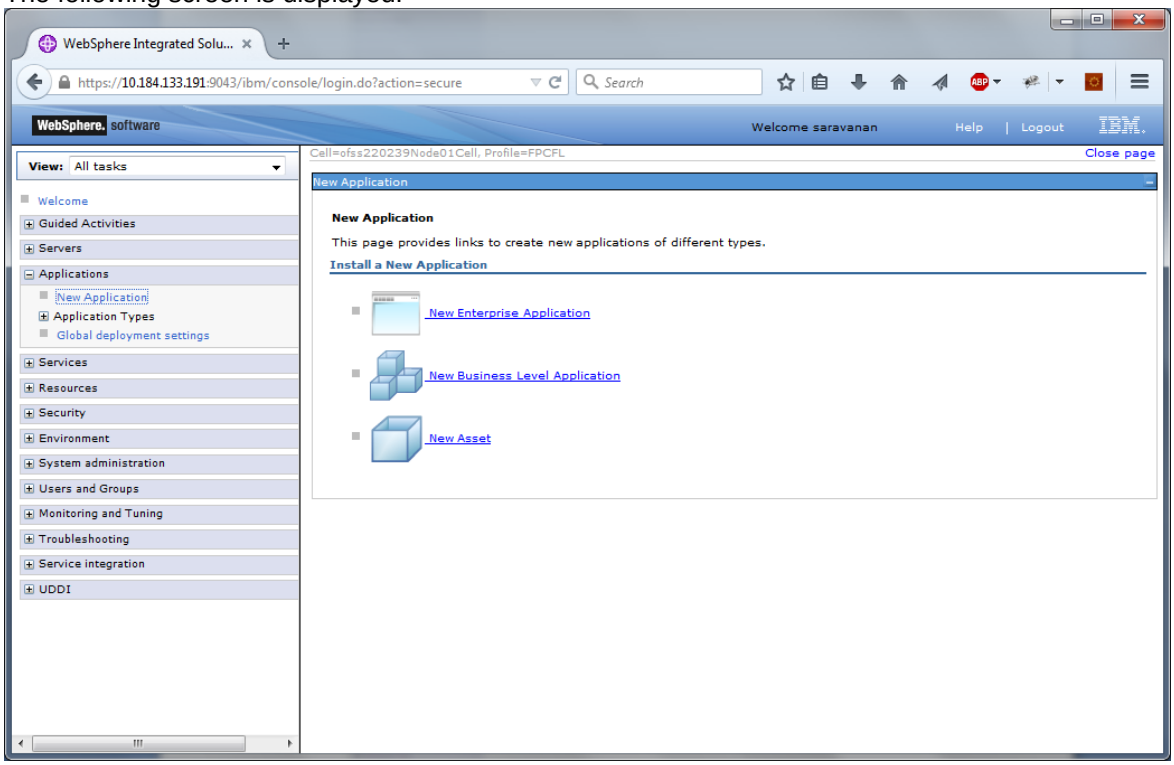
10. Enter the user name and password and click ‘Log In’ to log in to the application server.
11. Navigate to the WebSphere Home Page.

    The following screen is displayed.

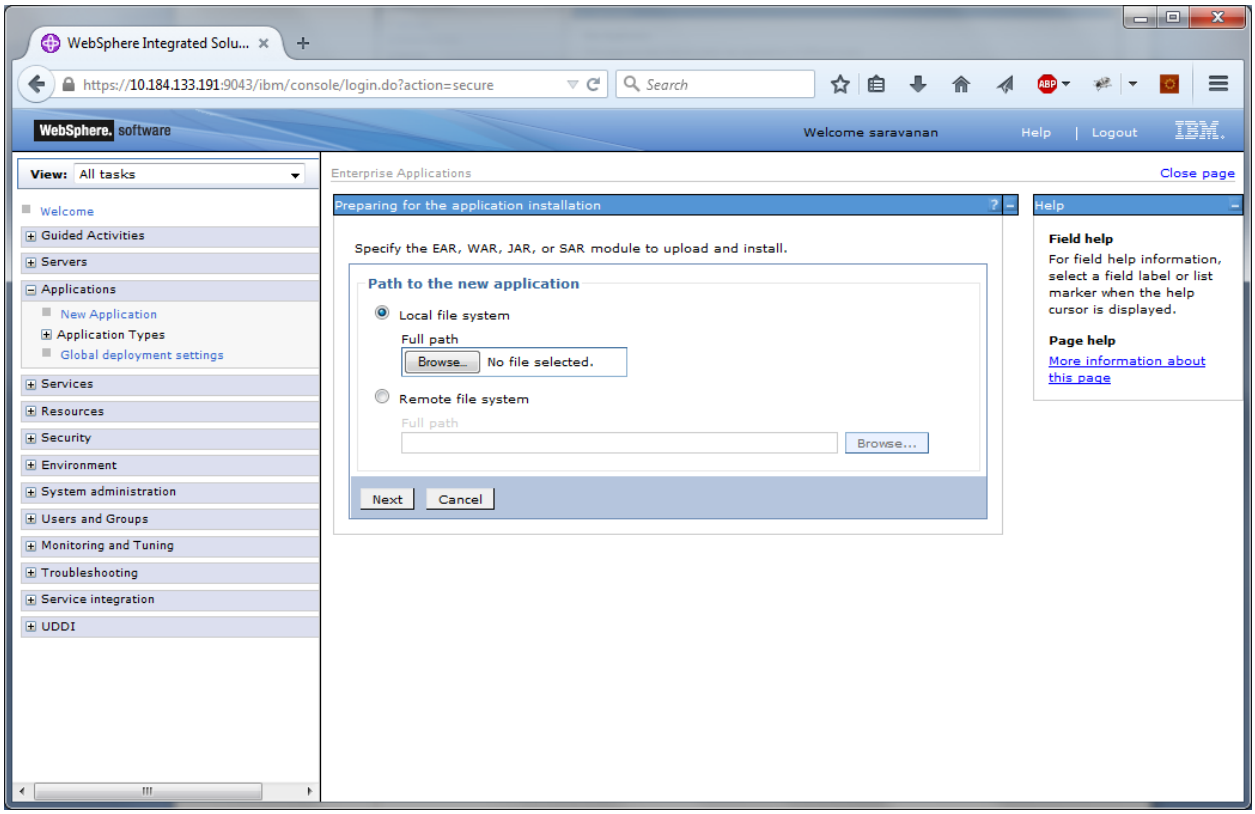


12. Expand Applications from left-side menu and Click ‘New Application’.

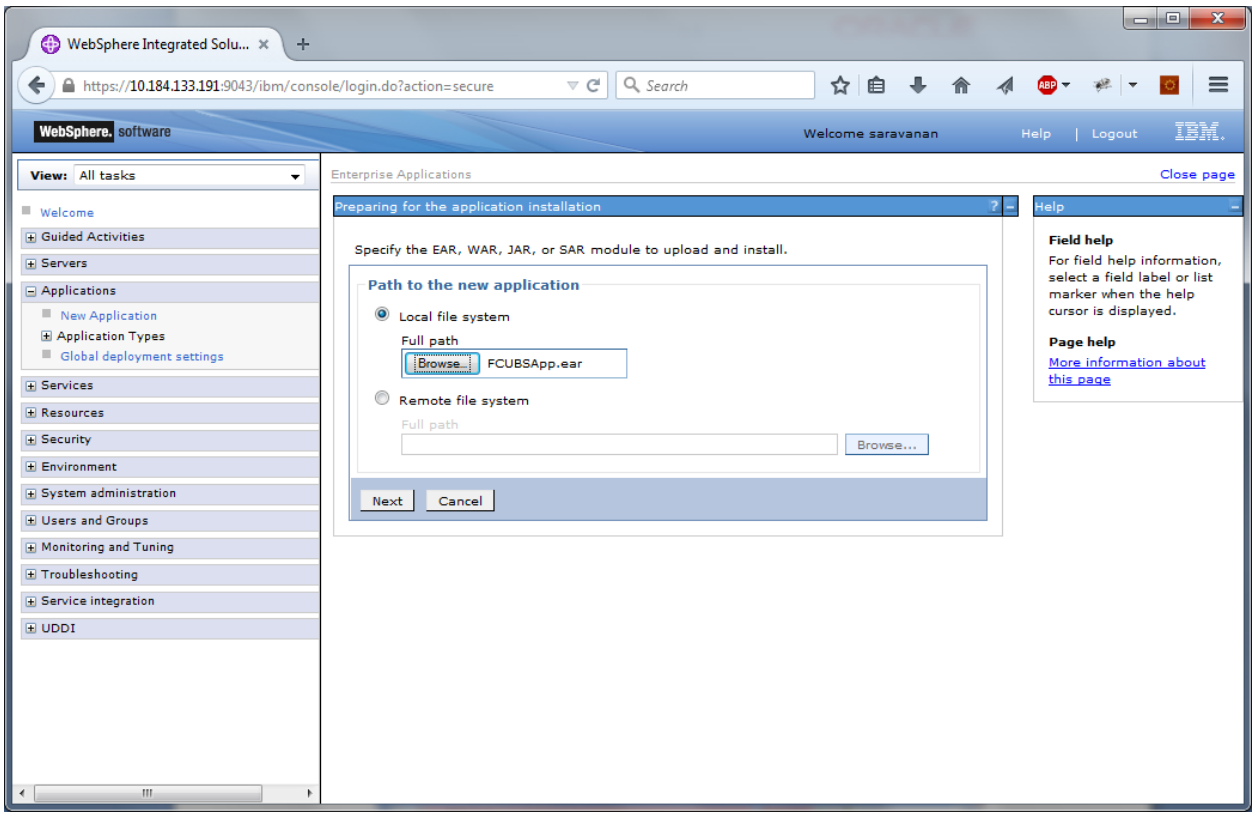
The following screen is displayed.



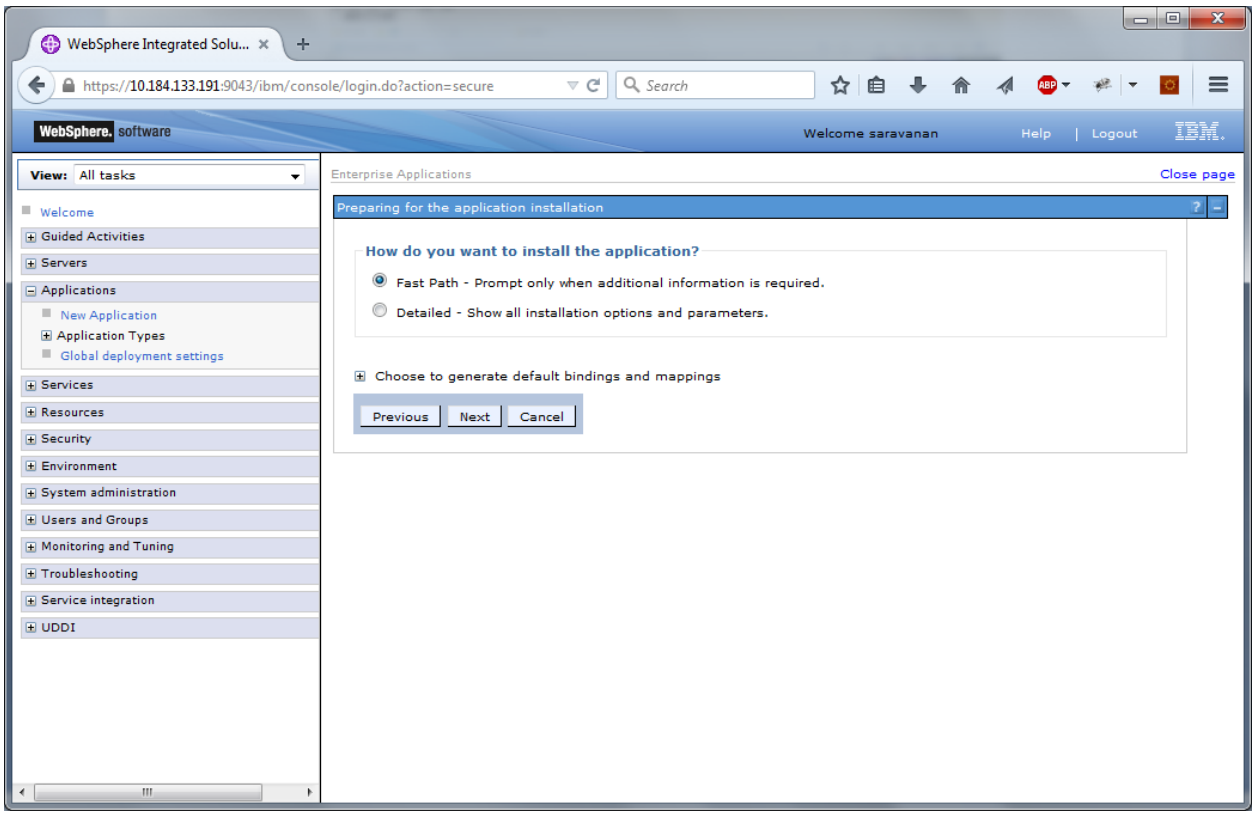
13. Click ‘New Enterprise Application.



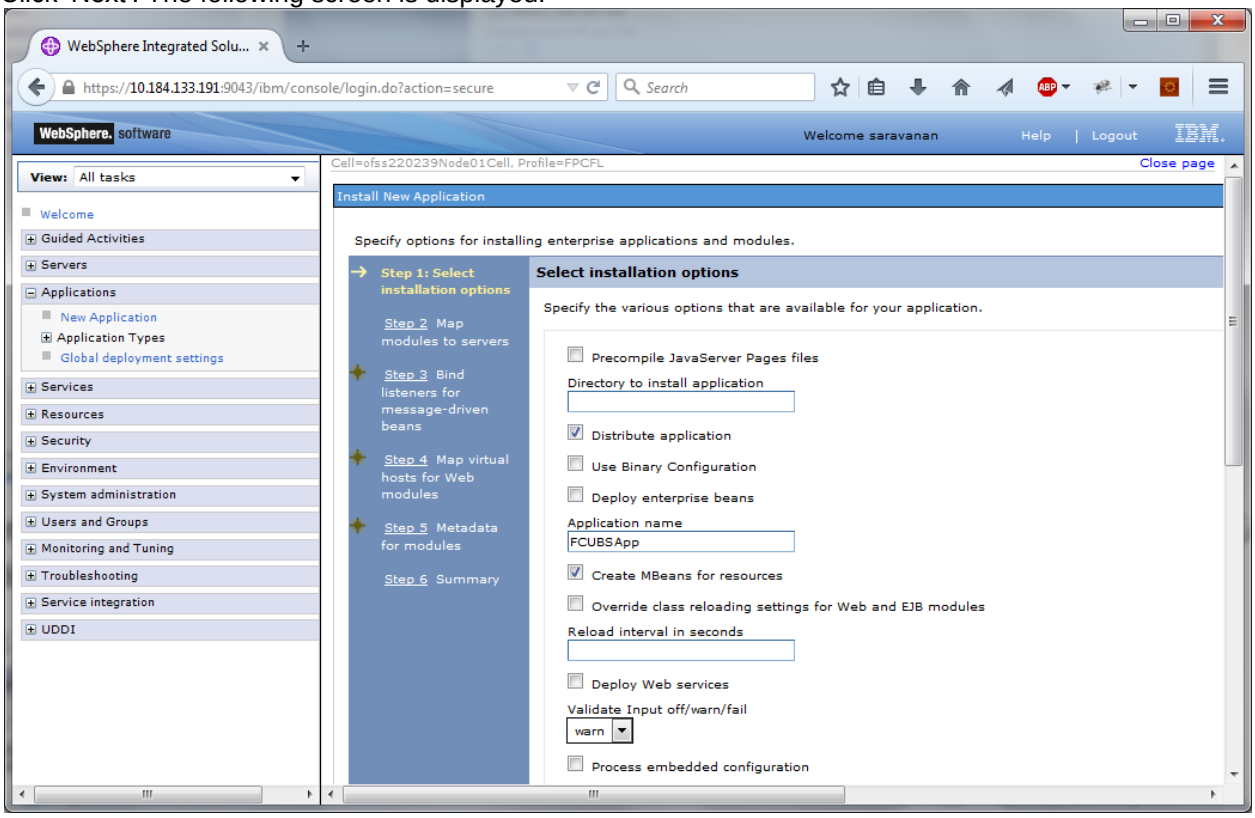
14. Browse the application EAR file and click next button



The following screen is displayed.

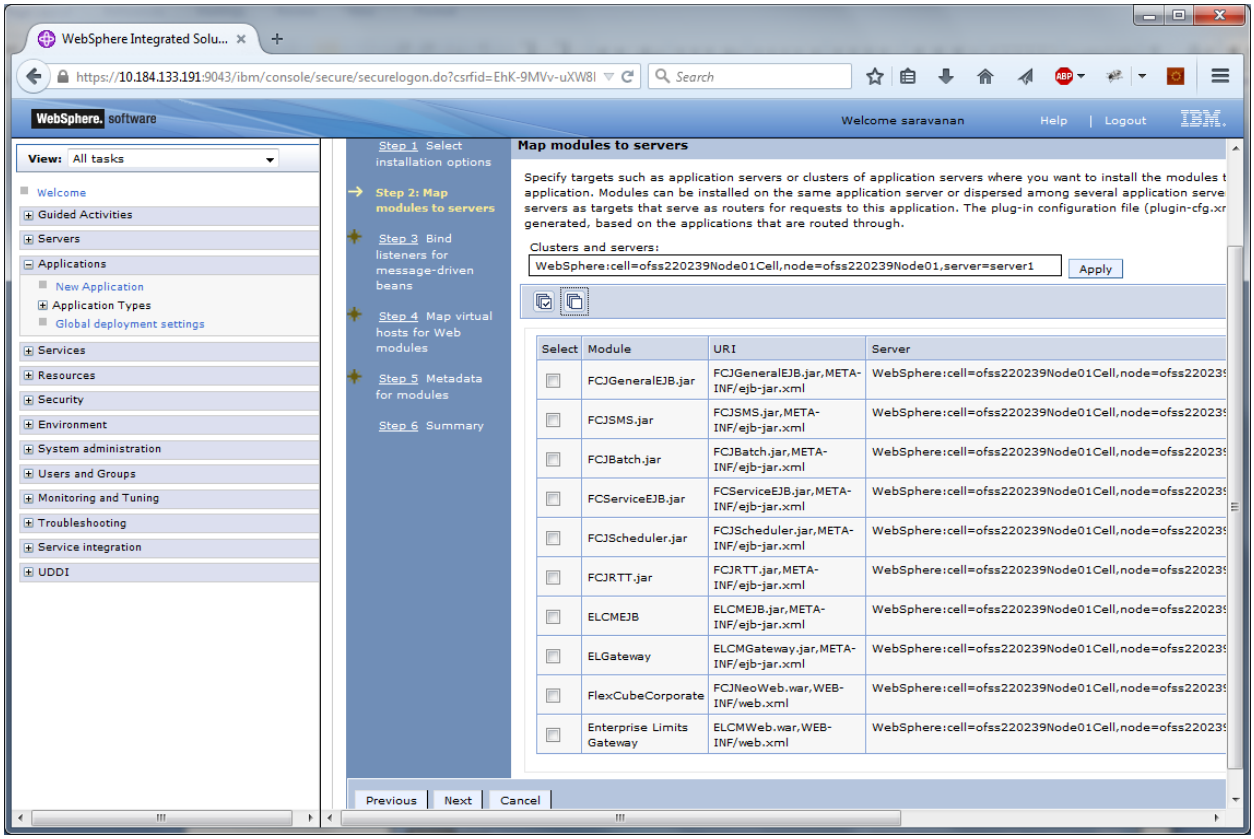


15. Click ‘Next’. The following screen is displayed.

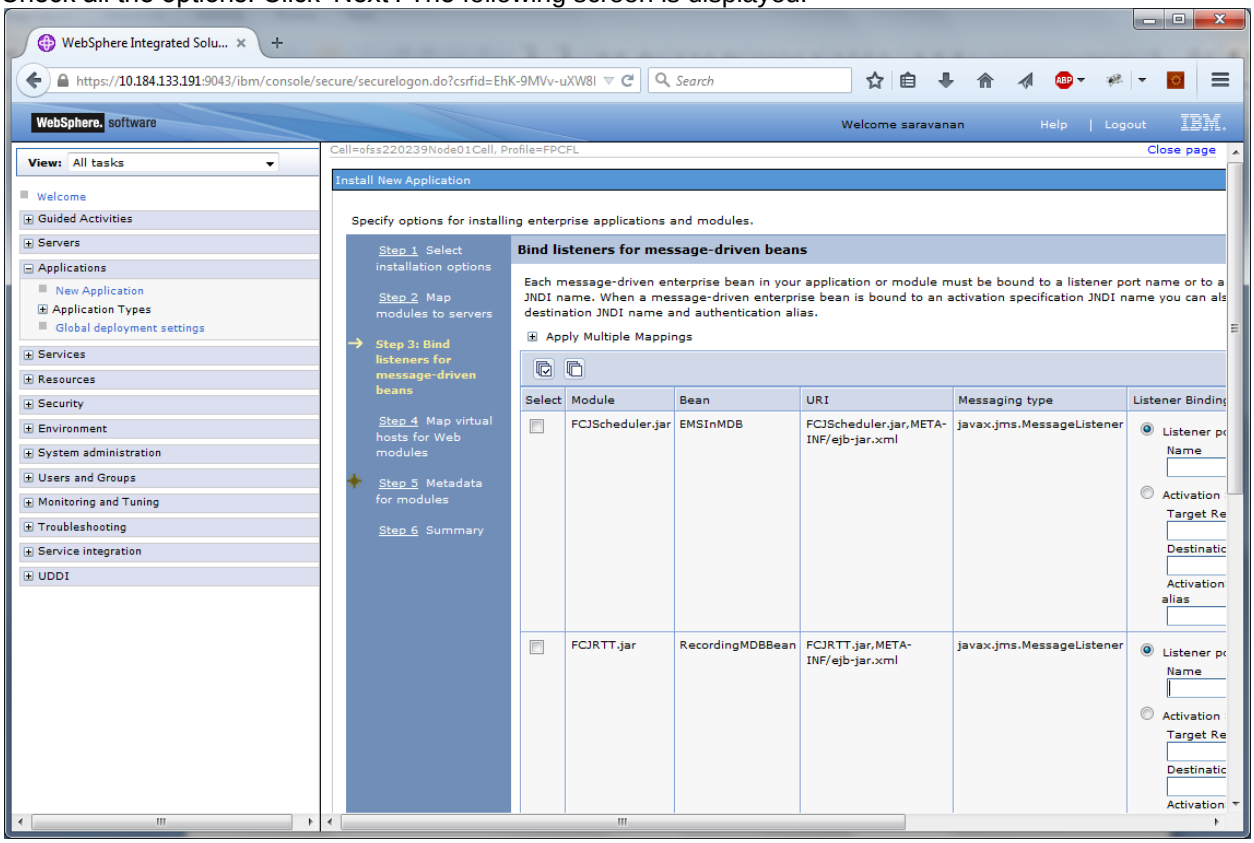


16. Enter the Application Name. This should be the application name mentioned as part of EAR building.

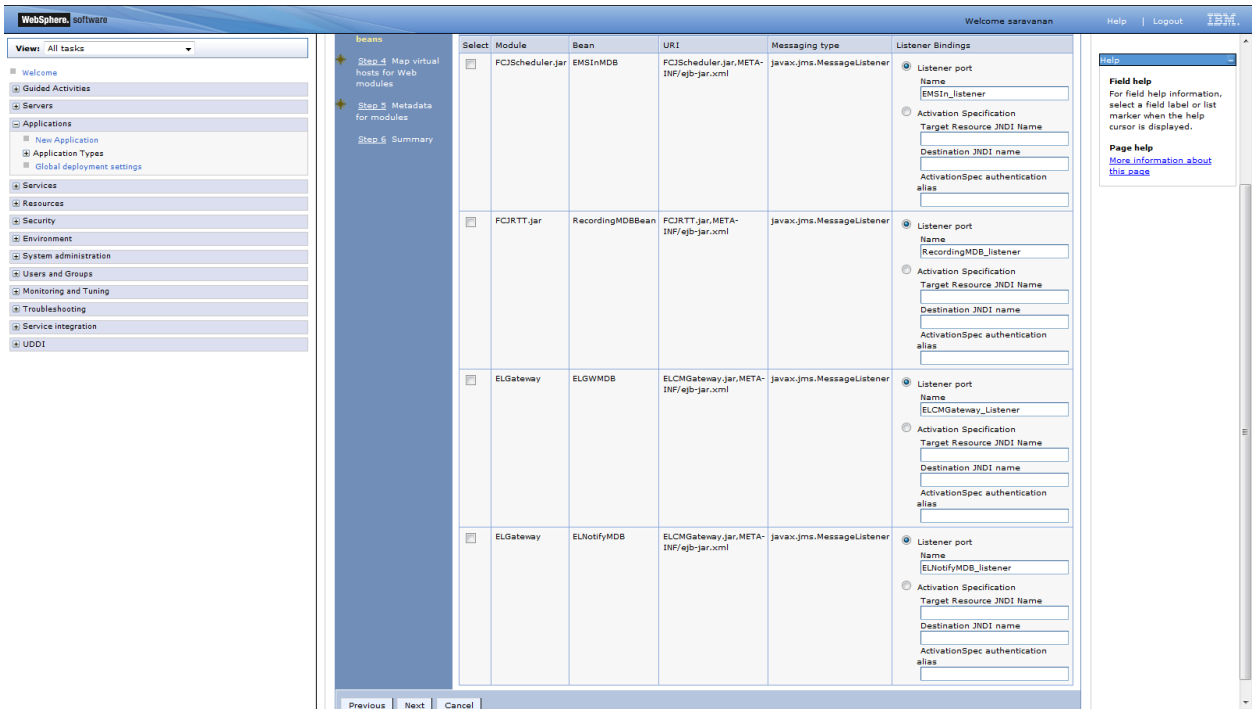
17. Click ‘Next’.



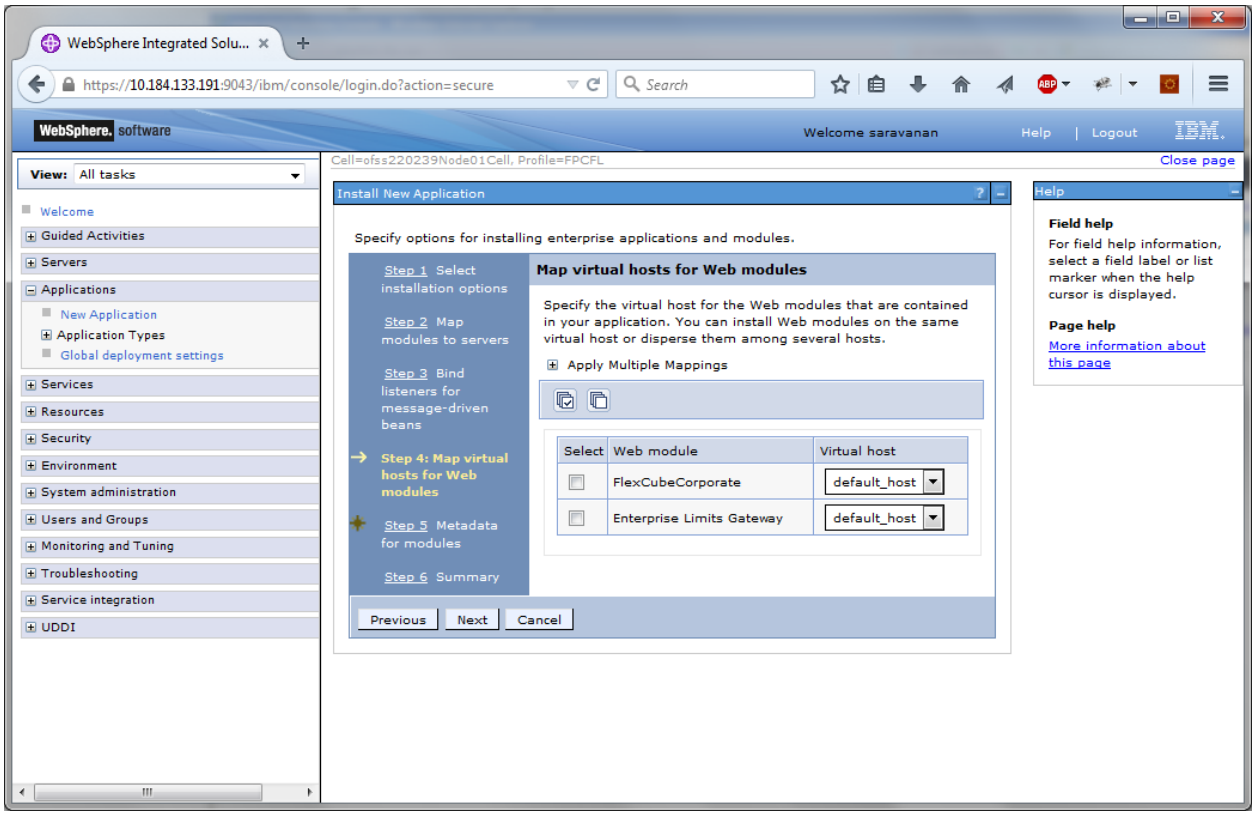
18. Check all the options. Click ‘Next’. The following screen is displayed.



19. Specify the details as shown in the figure.

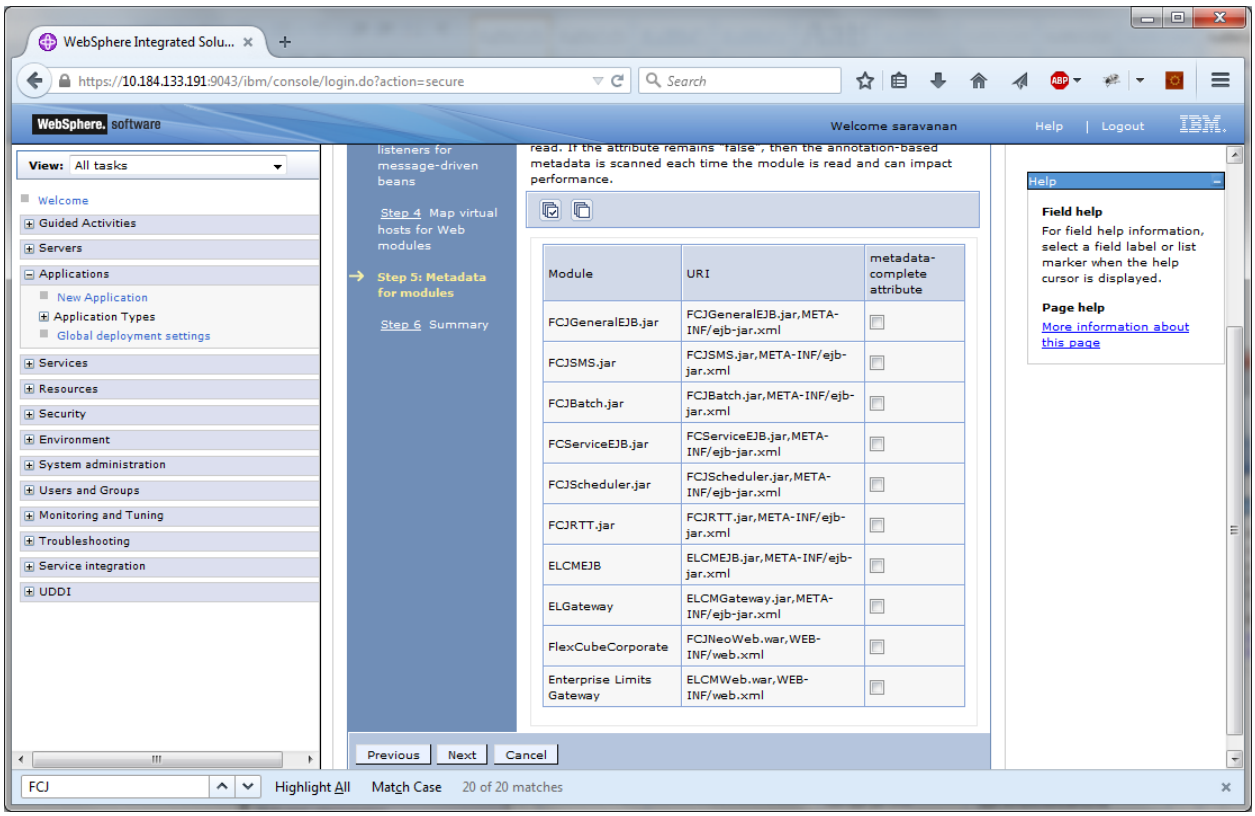


20. Click ‘Next’. Following screen is displayed

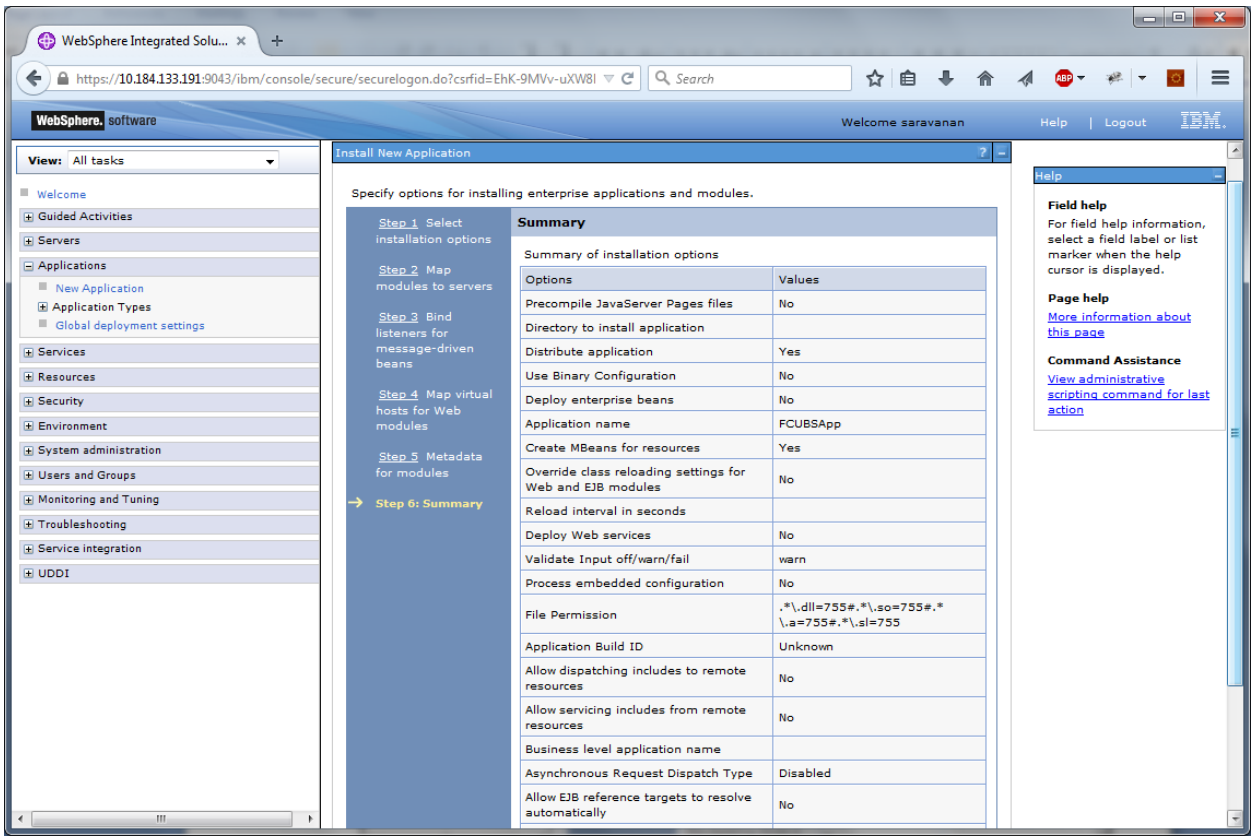


21. Click ‘Next’.

    The following screen is displayed.

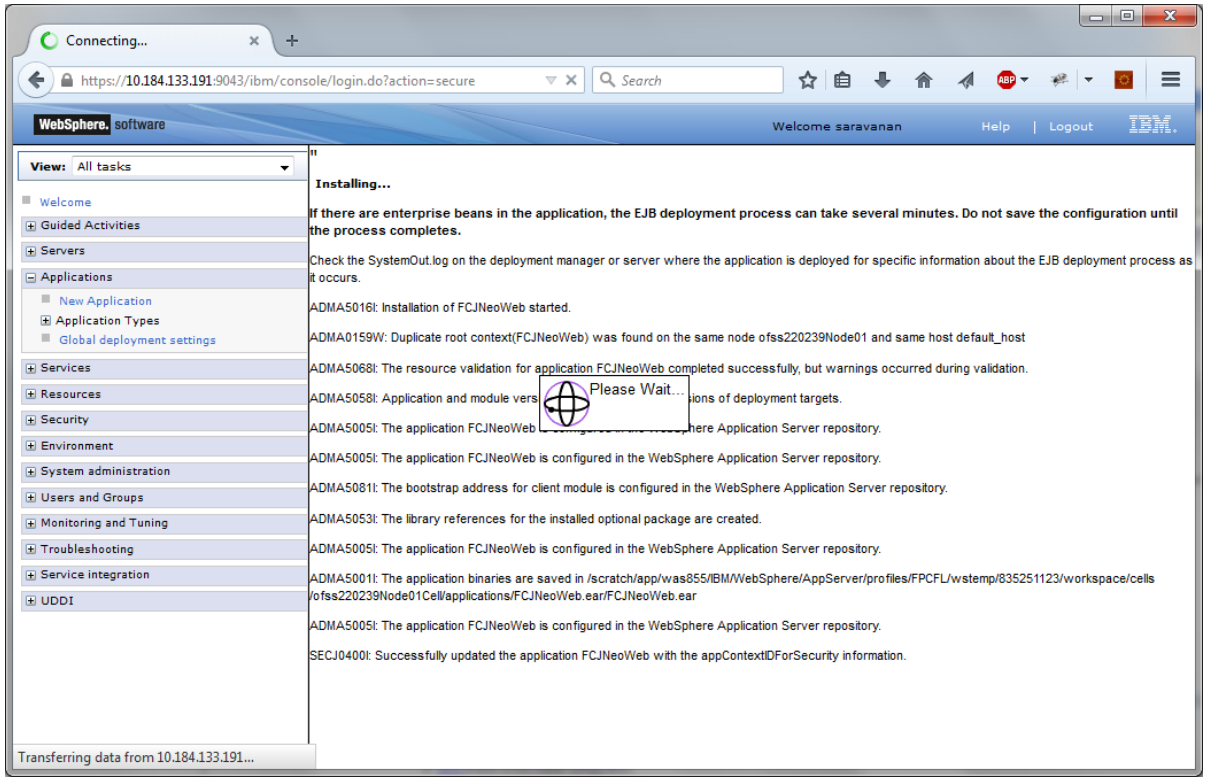

WebSphere Integrated Solu...
https://10.184.133.191:9043/ibm/console/login.do?action=secure
Search
WebSphere. software
Welcome saravanan
Help | Logout
IBM.
View: All tasks
Welcome
Guided Activities
Servers
Applications
New Application
Application Types
Global deployment settings
Services
Resources
Security
Environment
System administration
Users and Groups
Monitoring and Tuning
Troubleshooting
Service integration
UDDI
listeners for message-driven beans
Step 4 Map virtual hosts for Web modules
Step 5: Metadata for modules
Step 6 Summary
read. If the attribute remains "false", then the annotation-based metadata is scanned each time the module is read and can impact performance.
Module
URI
metadata-complete attribute
FCJGeneralEJB.jar
FCJGeneralEJB.jar,META-INF/ejb-jar.xml
FCJSMS.jar
FCJSMS.jar,META-INF/ejb-jar.xml
FCJBatch.jar
FCJBatch.jar,META-INF/ejb-jar.xml
FCServiceEJB.jar
FCServiceEJB.jar,META-INF/ejb-jar.xml
FCJScheduler.jar
FCJScheduler.jar,META-INF/ejb-jar.xml
FCJRTT.jar
FCJRTT.jar,META-INF/ejb-jar.xml
ELCMEJB
ELCMEJB.jar,META-INF/ejb-jar.xml
ELGateway
ELCMGateway.jar,META-INF/ejb-jar.xml
FlexCubeCorporate
FCJNeoWeb.war,WEB-INF/web.xml
Enterprise Limits Gateway
ELCMWeb.war,WEB-INF/web.xml
Previous
Next
Cancel
Help
Field help
For field help information, select a field label or list marker when the help cursor is displayed.
Page help
More information about this page
FCJ
Highlight All
Match Case
20 of 20 matches

Click next.

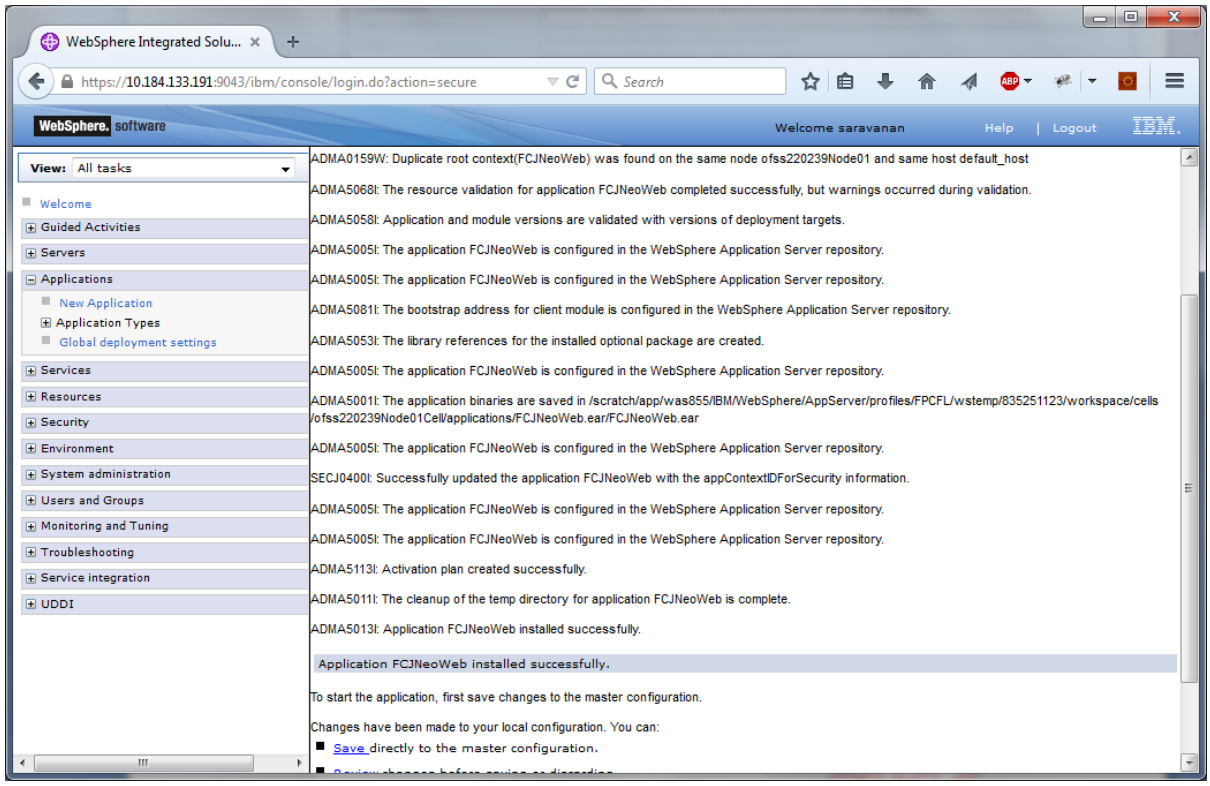

WebSphere Integrated Solu...
https://10.184.133.191:9043/ibm/console/secure/securelogon.do?csrfid=EhK-9MVv-uXW8I
Search
WebSphere. software
Welcome saravanan
Help | Logout
IBM.
View: All tasks
Welcome
Guided Activities
Servers
Applications
New Application
Application Types
Global deployment settings
Services
Resources
Security
Environment
System administration
Users and Groups
Monitoring and Tuning
Troubleshooting
Service integration
UDDI
Install New Application
Specify options for installing enterprise applications and modules.
Step 1 Select installation options
Step 2 Map modules to servers
Step 3 Bind listeners for message-driven beans
Step 4 Map virtual hosts for Web modules
Step 5 Metadata for modules
Step 6: Summary
Summary
Summary of installation options
Options
Values
Precompile JavaServer Pages files
No
Directory to install application
Distribute application
Yes
Use Binary Configuration
No
Deploy enterprise beans
No
Application name
FCUBSApp
Create MBeans for resources
Yes
Override class reloading settings for Web and EJB modules
No
Reload interval in seconds
Deploy Web services
No
Validate Input off/warn/fail
warn
Process embedded configuration
No
File Permission
.*\.dll=755#.*\.so=755#.*\.a=755#.*\.sl=755
Application Build ID
Unknown
Allow dispatching includes to remote resources
No
Allow servicing includes from remote resources
No
Business level application name
Asynchronous Request Dispatch Type
Disabled
Allow EJB reference targets to resolve automatically
No
Help
Field help
For field help information, select a field label or list marker when the help cursor is displayed.
Page help
More information about this page
Command Assistance
View administrative scripting command for last action

22. Click ‘Finish’.

The following screen is displayed.

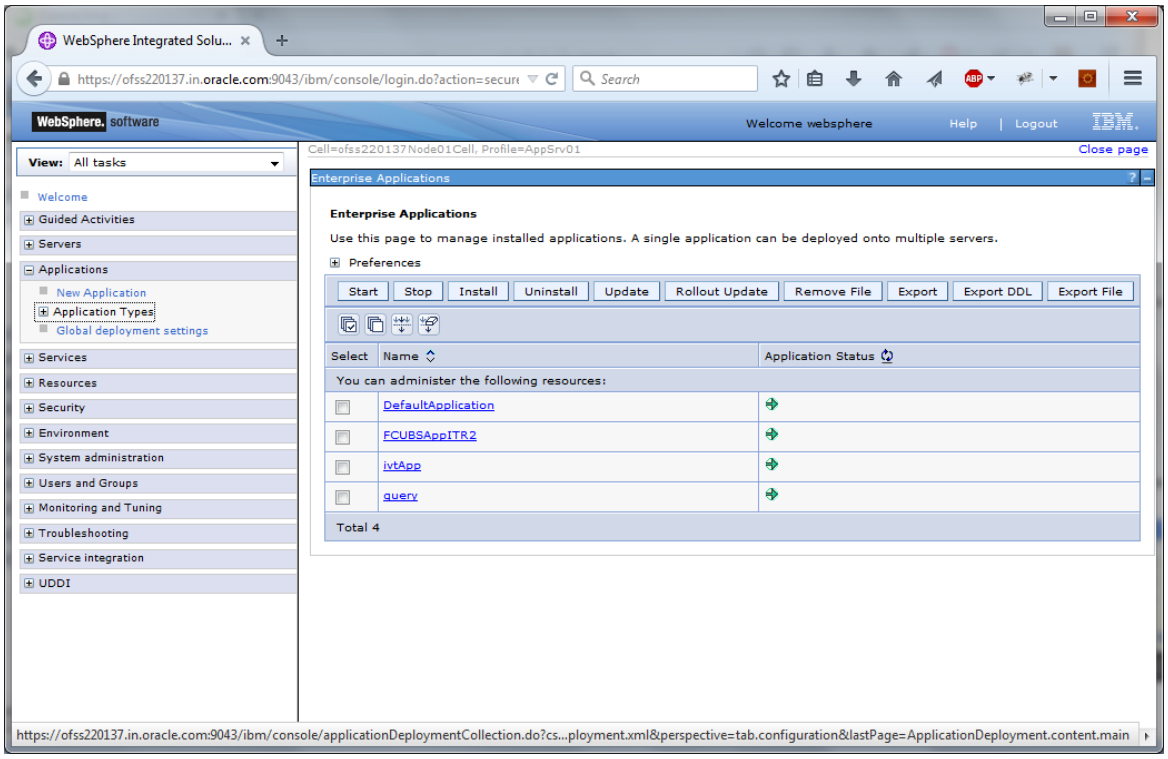


Wait for few seconds...



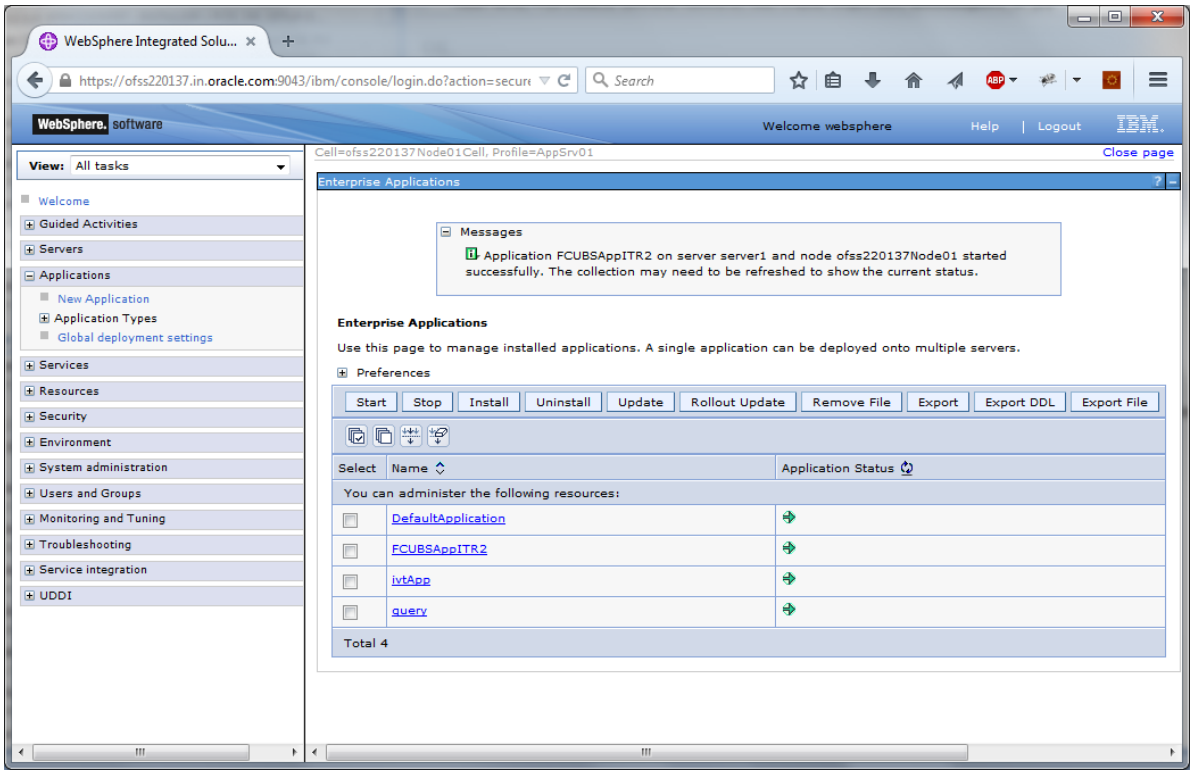
23. Click ‘Save’.

The following screen is displayed.



24. Select the application and click ‘Start’.

The application starts as shown below:



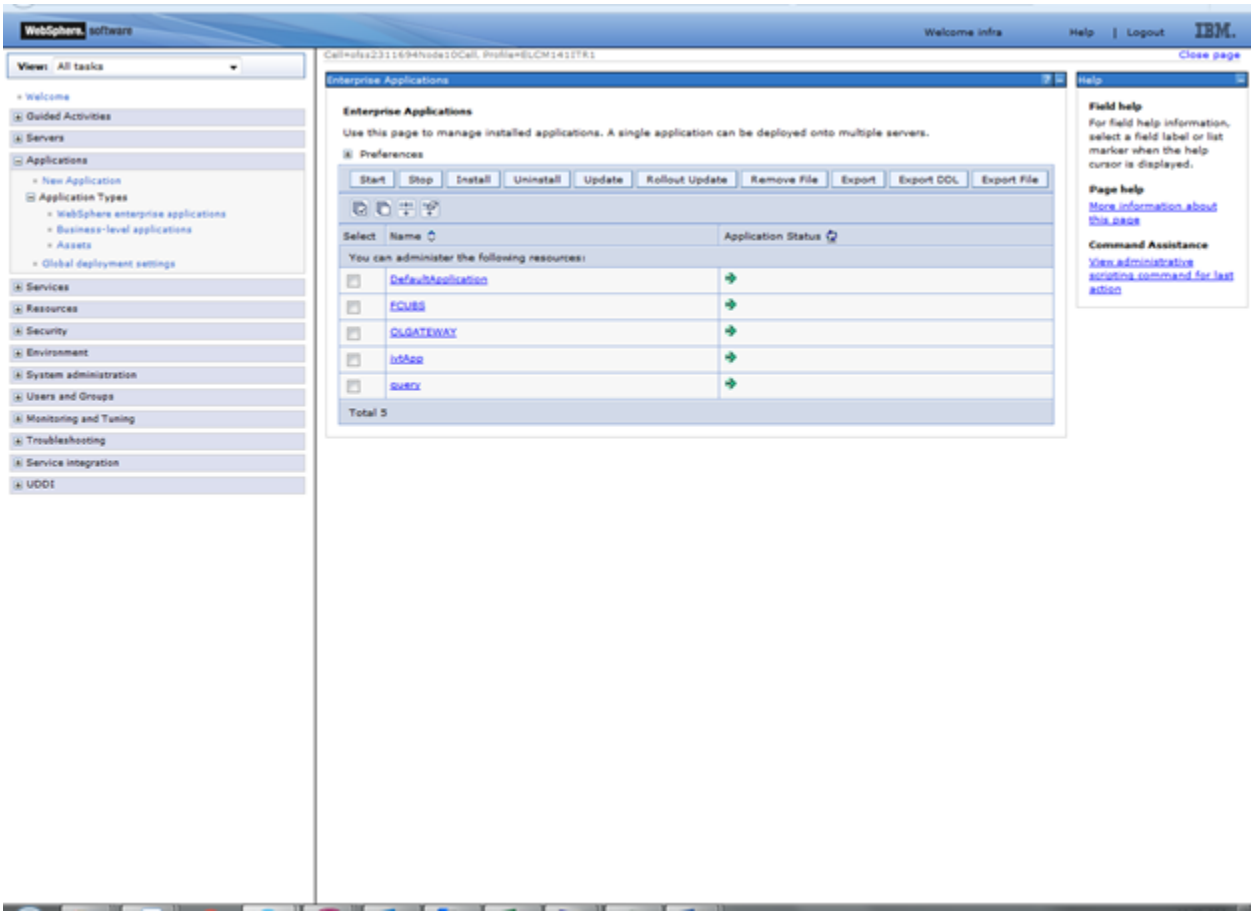
This completes the deployment of EAR (FCJNeoWeb.ear) on IBM WebSphere 9.0.0.0 Application Server from the Administration Console.

1.2.3 Link the adapter (Shared Libraries) to the Application

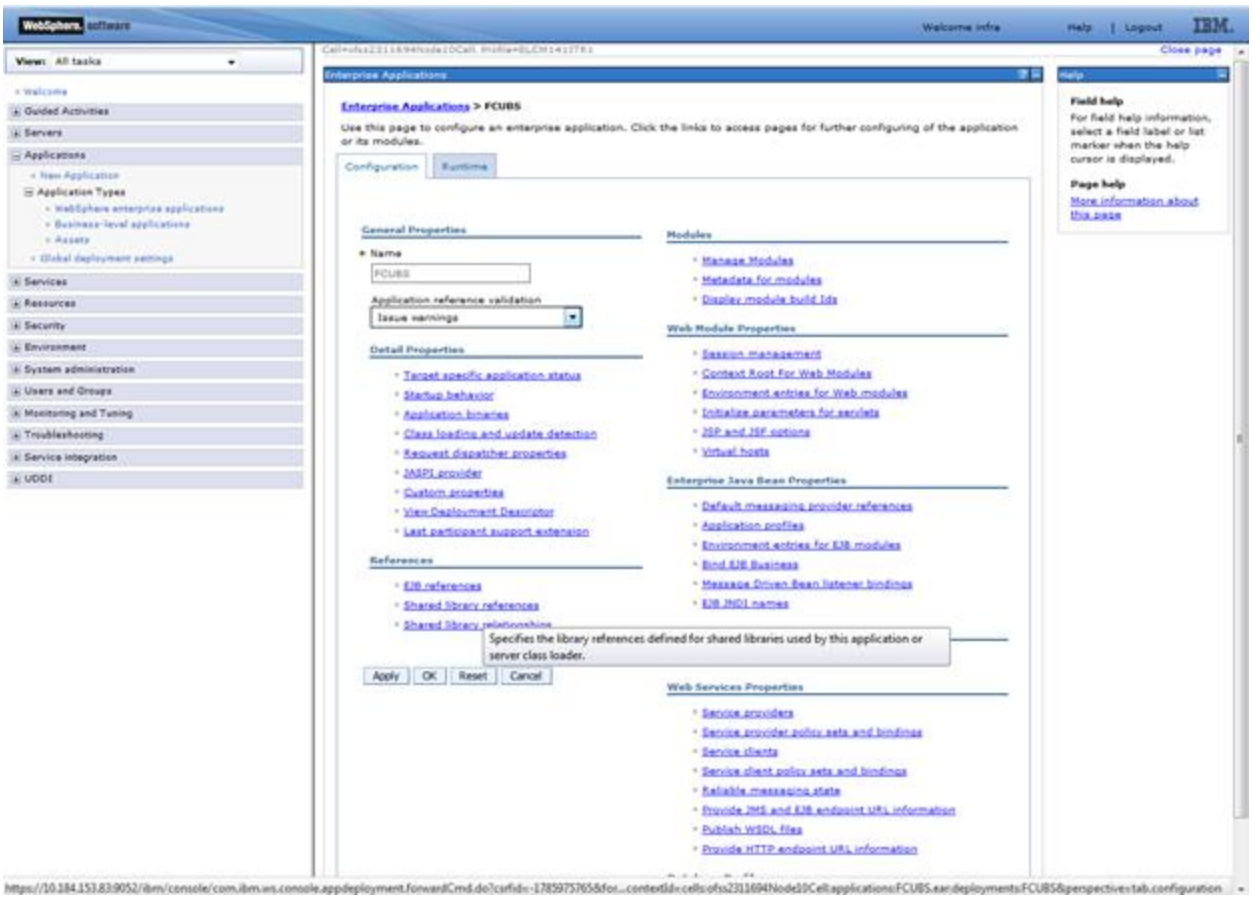
1. Open the Administrative Console of WebSphere server:
2. Open an internet browser and type the WebSphere Admin Console URL http://{Host}:{Port}/console.
3. Eg: https://10.10.10.10:1010/console
4. In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running

Go to Applications→ Application types →WebSphere enterprise applications →

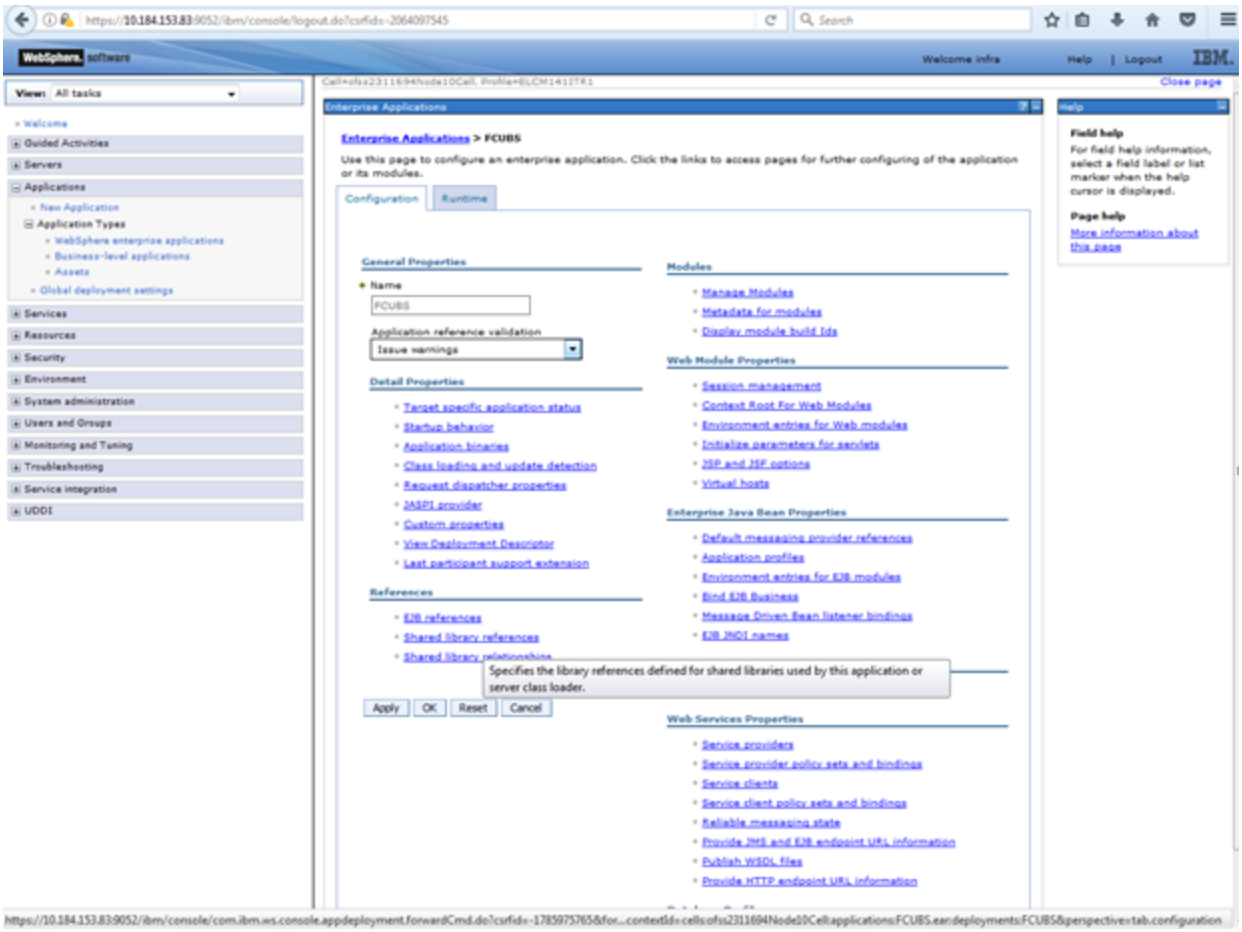
Click on the resource where the adapter to be added (here it is FCUBS)



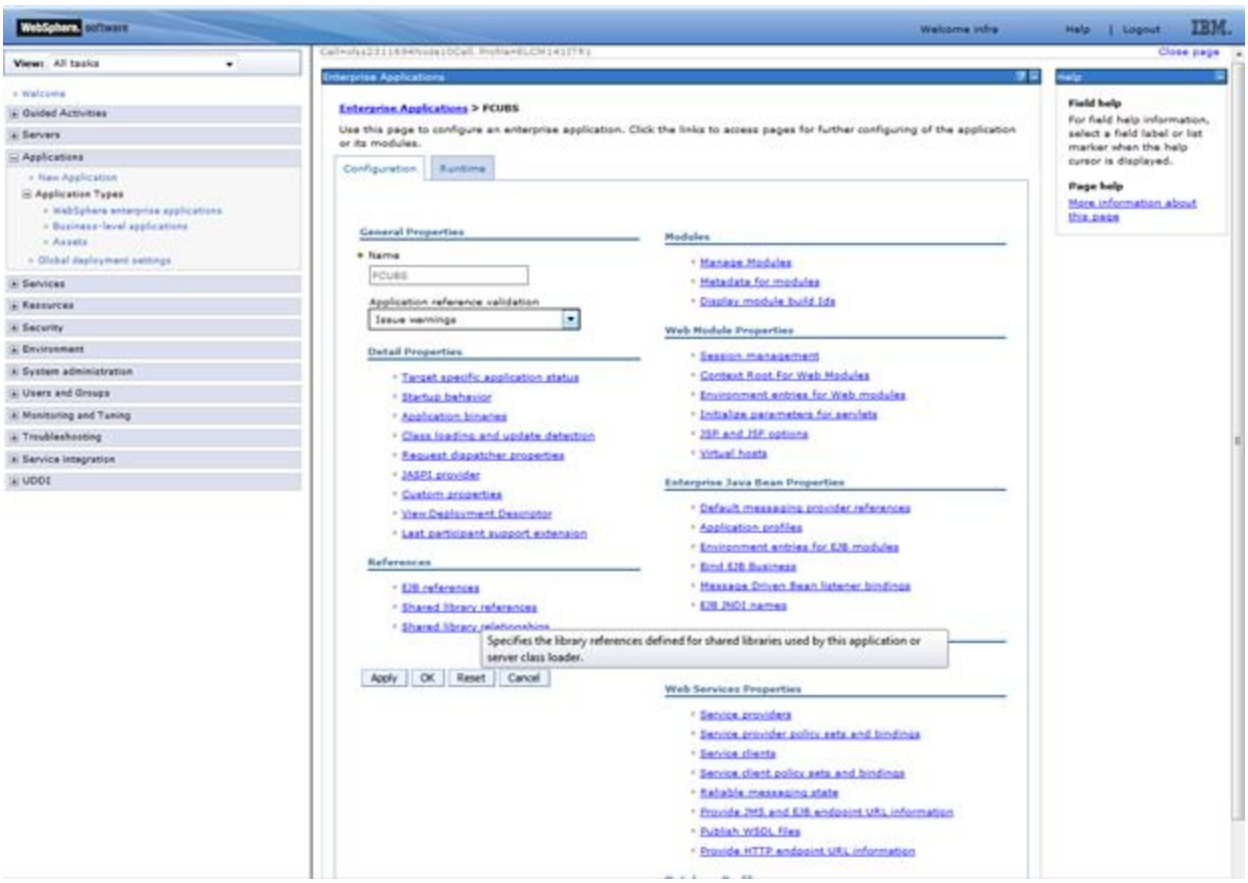
It will open configuration page of FCUBS. Click on Reference > shared library reference

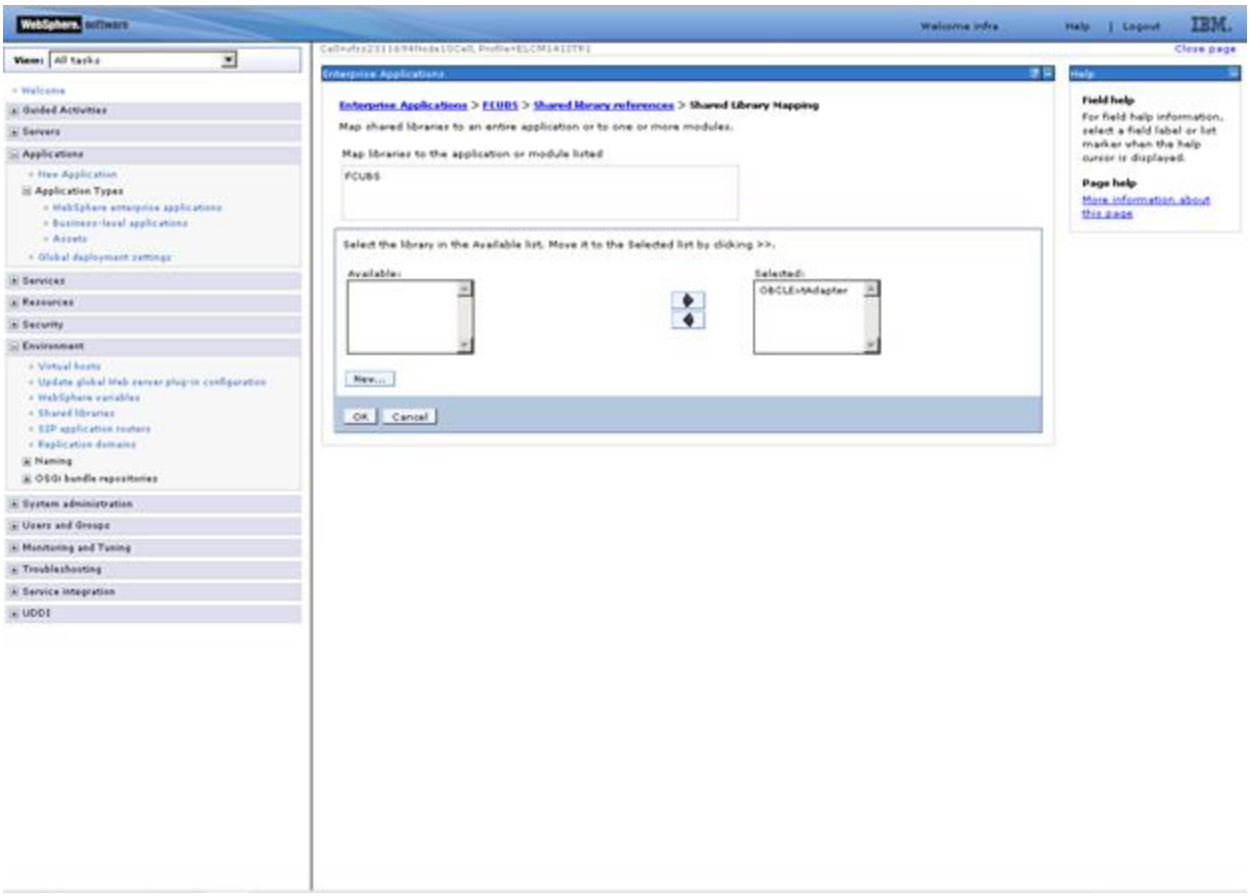


It will open the application > Shared library references page .Select the application (here FCUBS) and click on Reference shared libraries button.

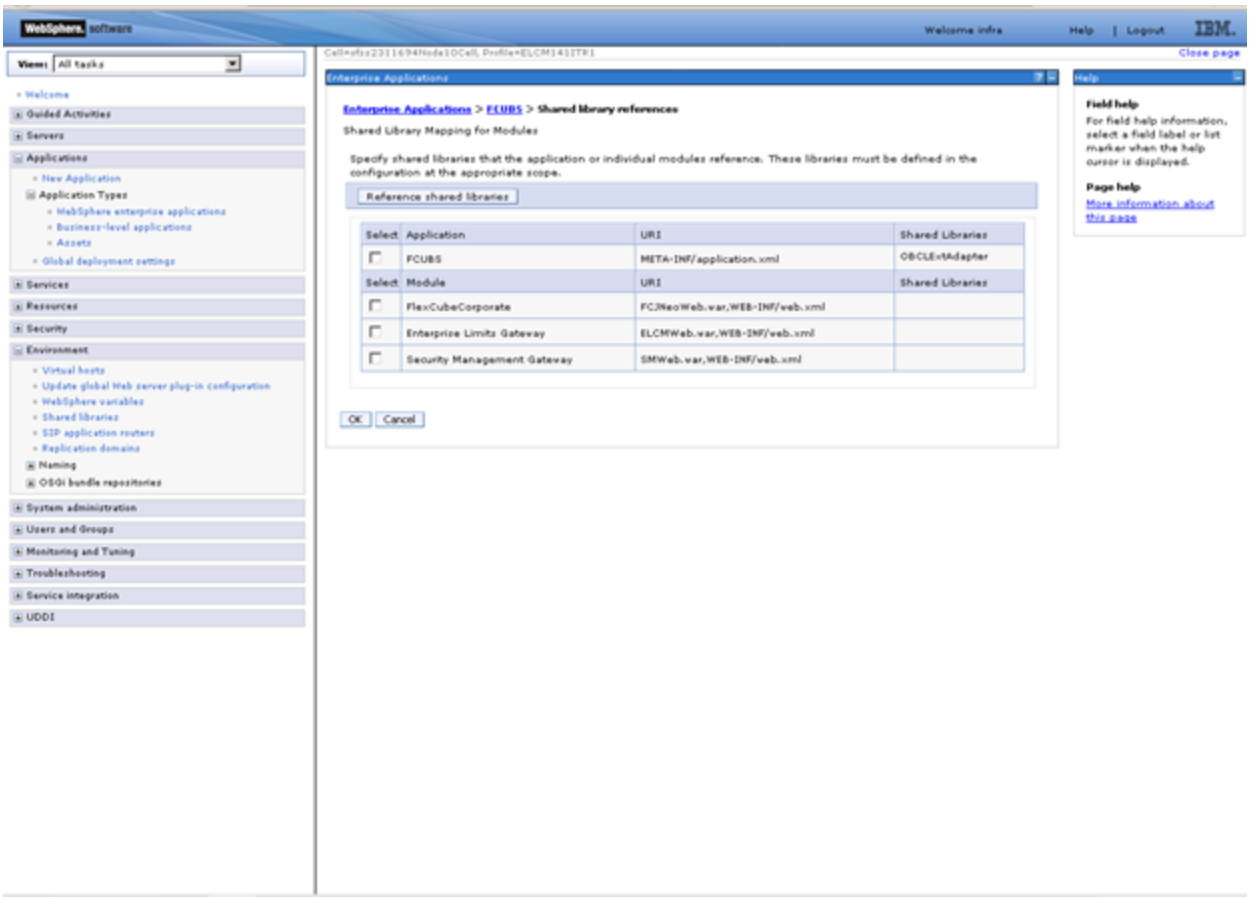


The Shared Library Mapping window opens add the available library and click on OK button.

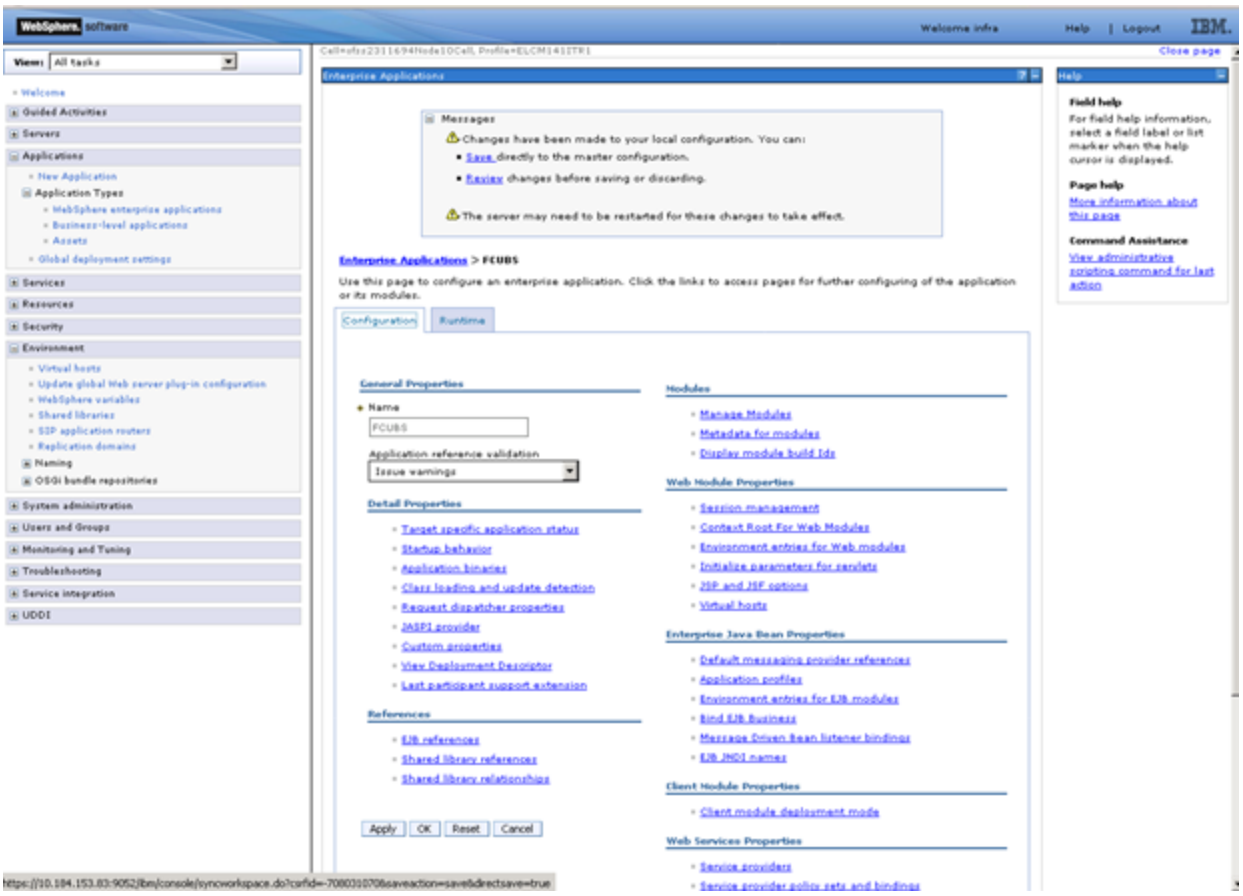

WebSphere software
Welcome infra
Help | Logout
IBM.
Close page
View: All tasks
Welcome
Guided Activities
Servers
Applications
New Application
Application Types
WebSphere enterprise applications
Business-level applications
Assets
Global deployment settings
Services
Resources
Security
Environment
System administration
Users and Groups
Monitoring and Tuning
Troubleshooting
Service integration
UDDI
Enterprise Applications
Enterprise Applications > FCUBS
Use this page to configure an enterprise application. Click the links to access pages for further configuring of the application or its modules.
Configuration
Runtime
General Properties
Name
FCUBS
Application reference validation
Issue warnings
Detail Properties
Target specific application status
Startup behavior
Application binaries
Class loading and update detection
Request dispatcher properties
JASPI provider
Custom properties
View Deployment Descriptor
Last participant support extension
References
EJB references
Shared library references
Shared library relationships
Specifies the library references defined for shared libraries used by this application or server class loader.
Apply
OK
Reset
Cancel
Modules
Manage Modules
Metadata for modules
Display module build ids
Web Module Properties
Session management
Context Root For Web Modules
Environment entries for Web modules
Initialize parameters for servlets
JSP and JSF options
Virtual hosts
Enterprise Java Bean Properties
Default messaging provider references
Application profiles
Environment entries for EJB modules
Bind EJB Business
Message Driven Bean listener bindings
EJB JNDI names
Web Services Properties
Service providers
Service provider policy sets and bindings
Service clients
Service client policy sets and bindings
Reliable messaging state
Provide JMS and EJB endpoint URL information
Publish WSDL files
Provide HTTP endpoint URL information
Help
Field help
For field help information, select a field label or list marker when the help cursor is displayed.
Page help
More information about this page


WebSphere software
Welcome infra
Help | Logout
IBM.
Close page
Enterprise Applications
Enterprise Applications > FCUBS > Shared library references > Shared Library Mapping
Map shared libraries to an entire application or to one or more modules.
Map libraries to the application or module listed:
FCUBS
Select the library in the Available list. Move it to the Selected list by clicking >>.
Available:
Selected:
OBCLE+MAdapter
New...
OK
Cancel
Help
Field help
For field help information, select a field label or list marker when the help cursor is displayed.
Page help
More information about this page
Welcome
Guided Activities
Servers
Applications
New Application
Application Types
WebSphere enterprise applications
Business-level applications
Assets
Global deployment settings
Services
Resources
Security
Environment
Virtual hosts
Update global Web server plug-in configuration
WebSphere variables
Shared libraries
SIP application routers
Replication domains
Naming
OSGi bundle repositories
System administration
Users and Groups
Monitoring and Tuning
Troubleshooting
Service integration
UDDI

Click ok



Click save and restart the Application server .



1.2.4 FCUBS Scheduler Application Deployment

To deploy Oracle FLEXCUBE UBS application on WebSphere application server, follow the steps given below:

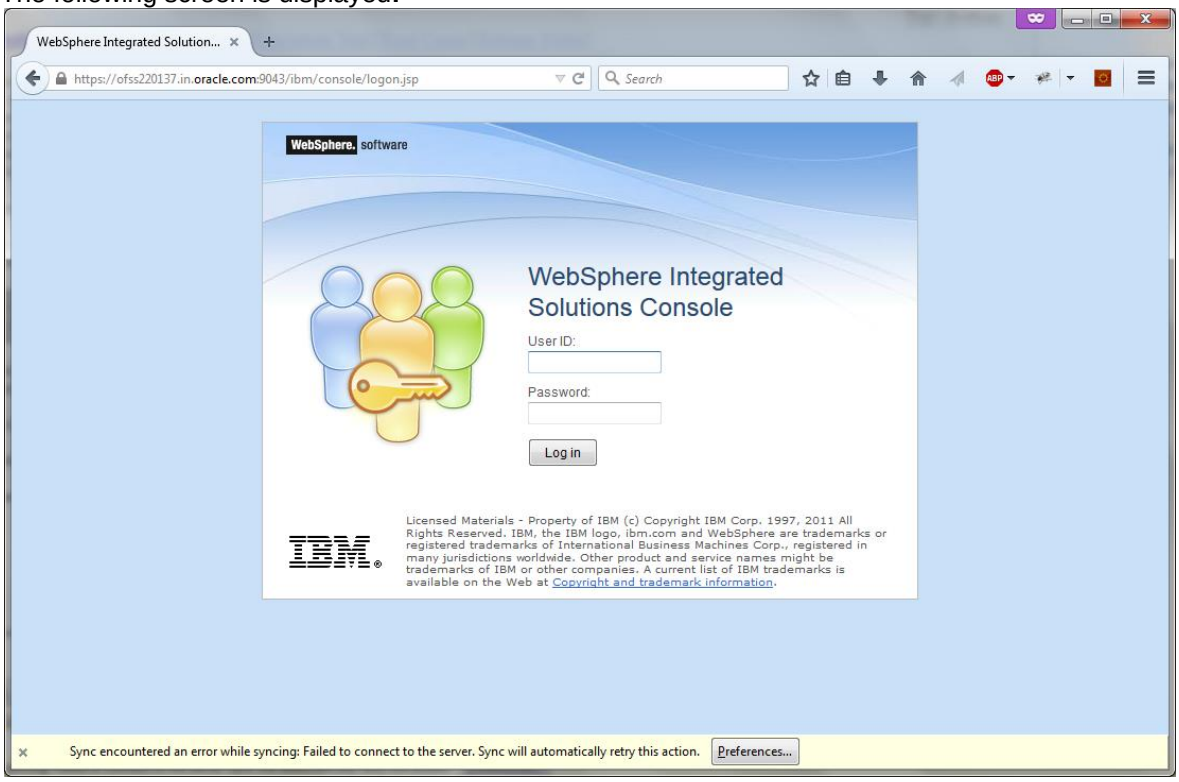
1. Open the Administrative Console of WebSphere server:

   Open an internet browser and type the WebSphere Admin Console URL http://{Host}:{Port}/console.

   Eg: https://10.10.10.10:1010/console

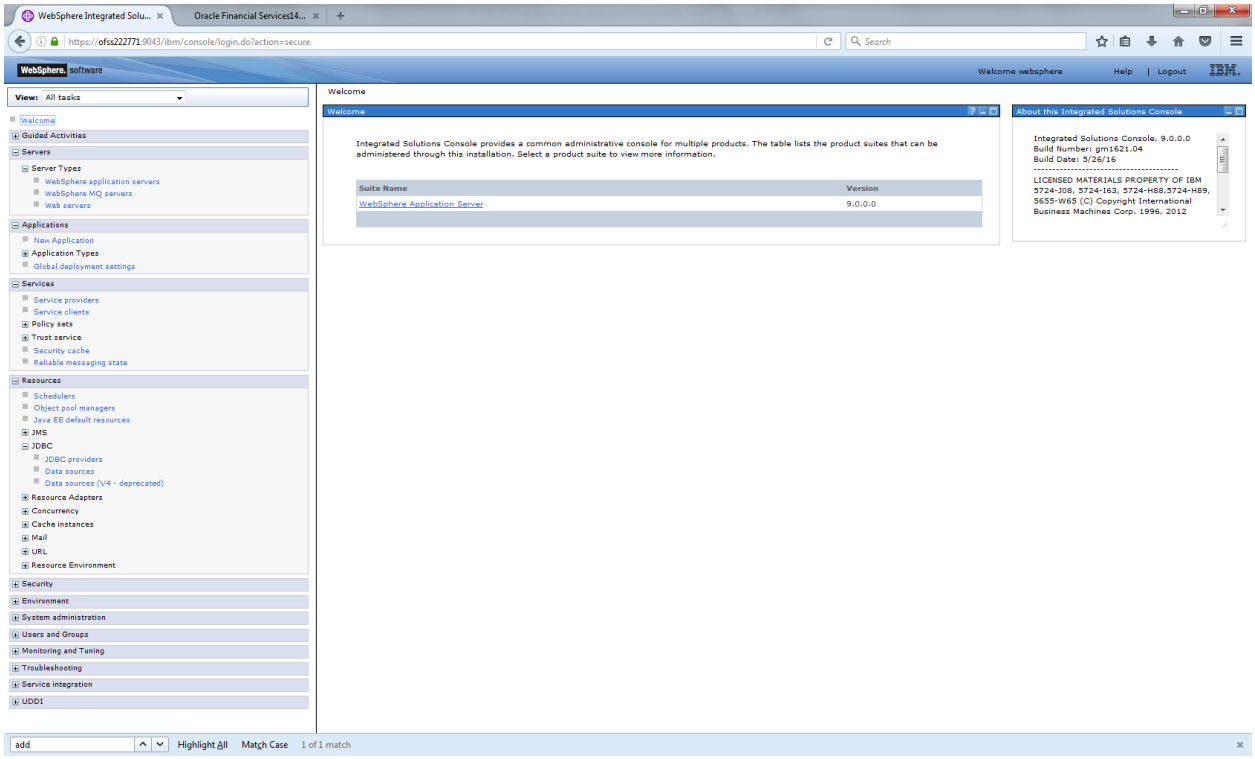
   In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



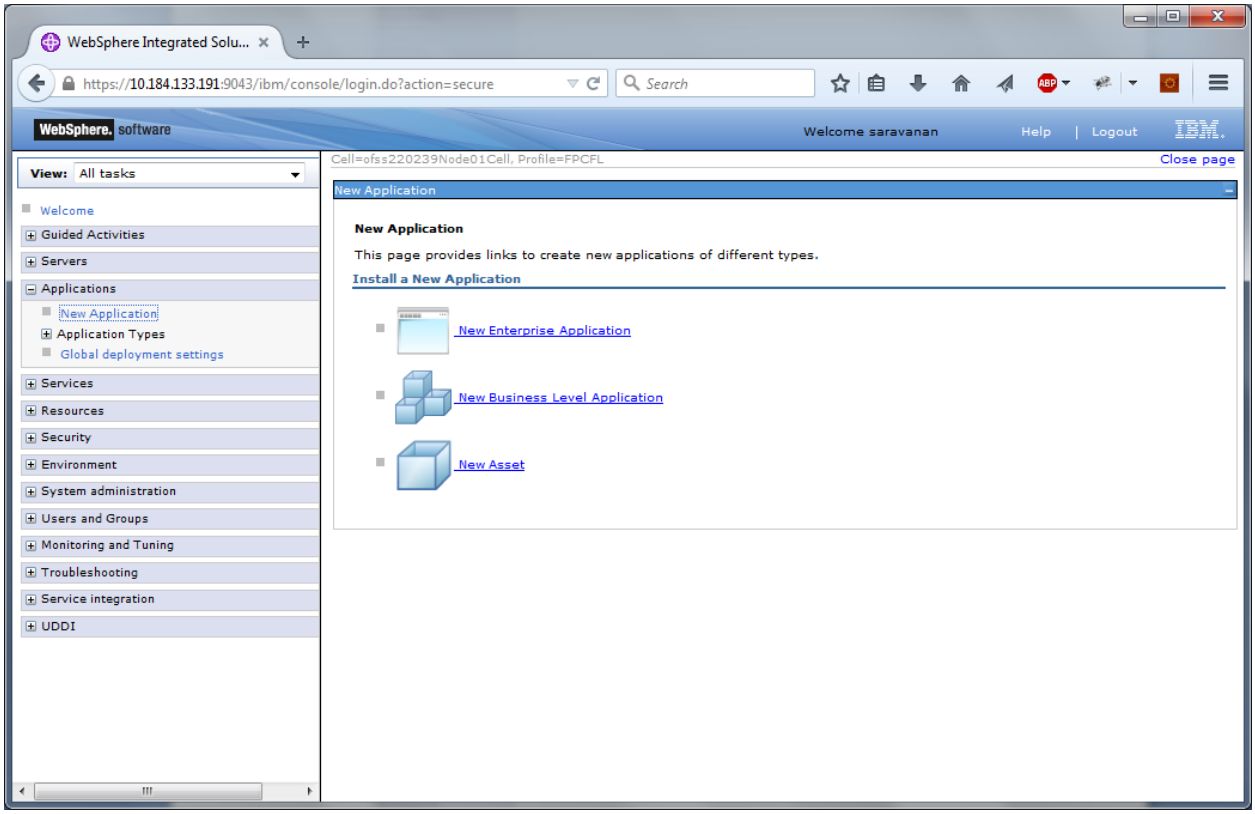
2. Enter the user name and password and click ‘Log In’ to log in to the application server.
3. Navigate to the WebSphere Home Page.

   The following screen is displayed.

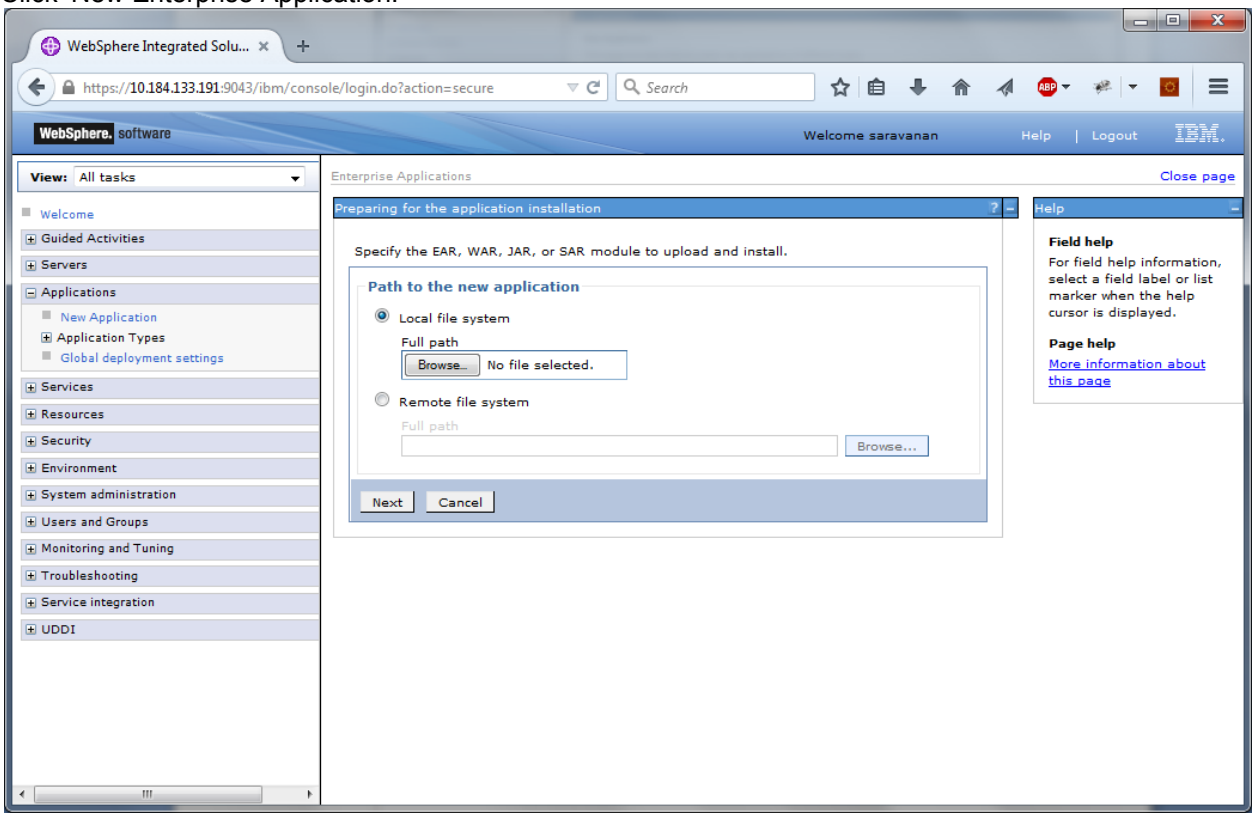


4. Expand Applications from left-side menu and Click ‘New Application’.

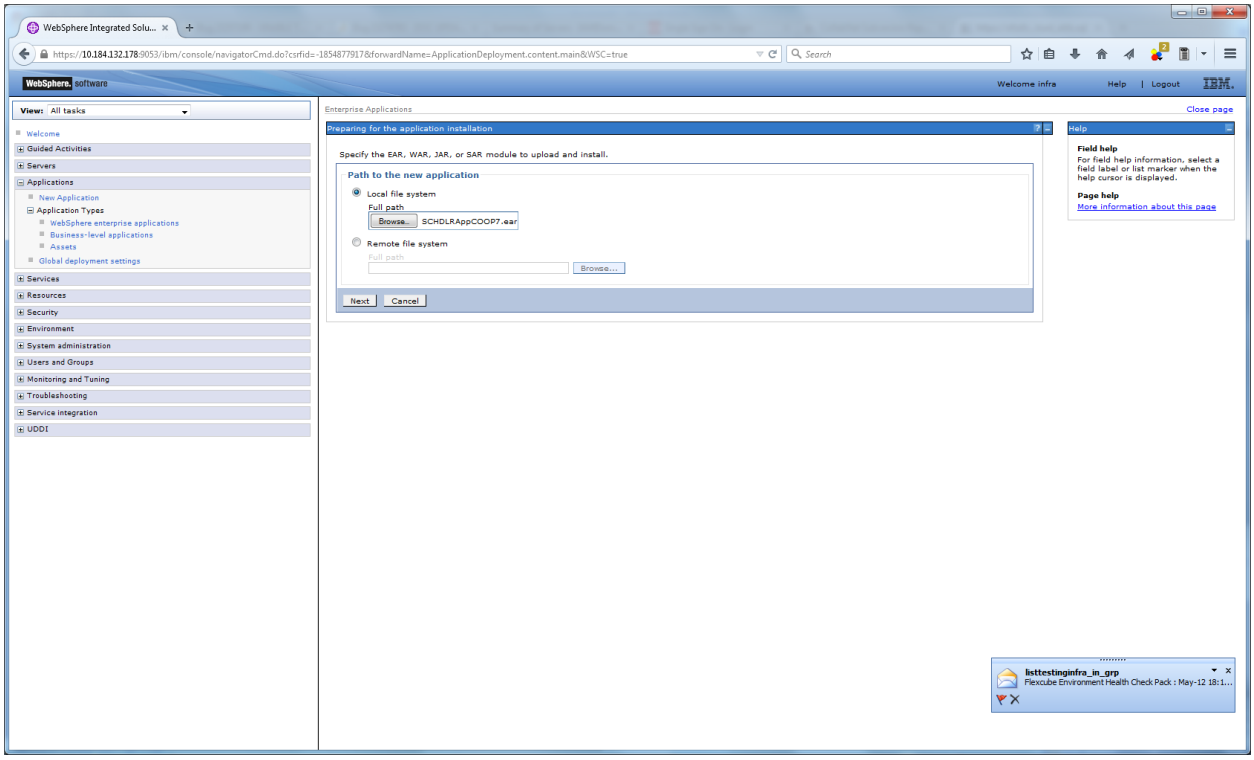
   The following screen is displayed.



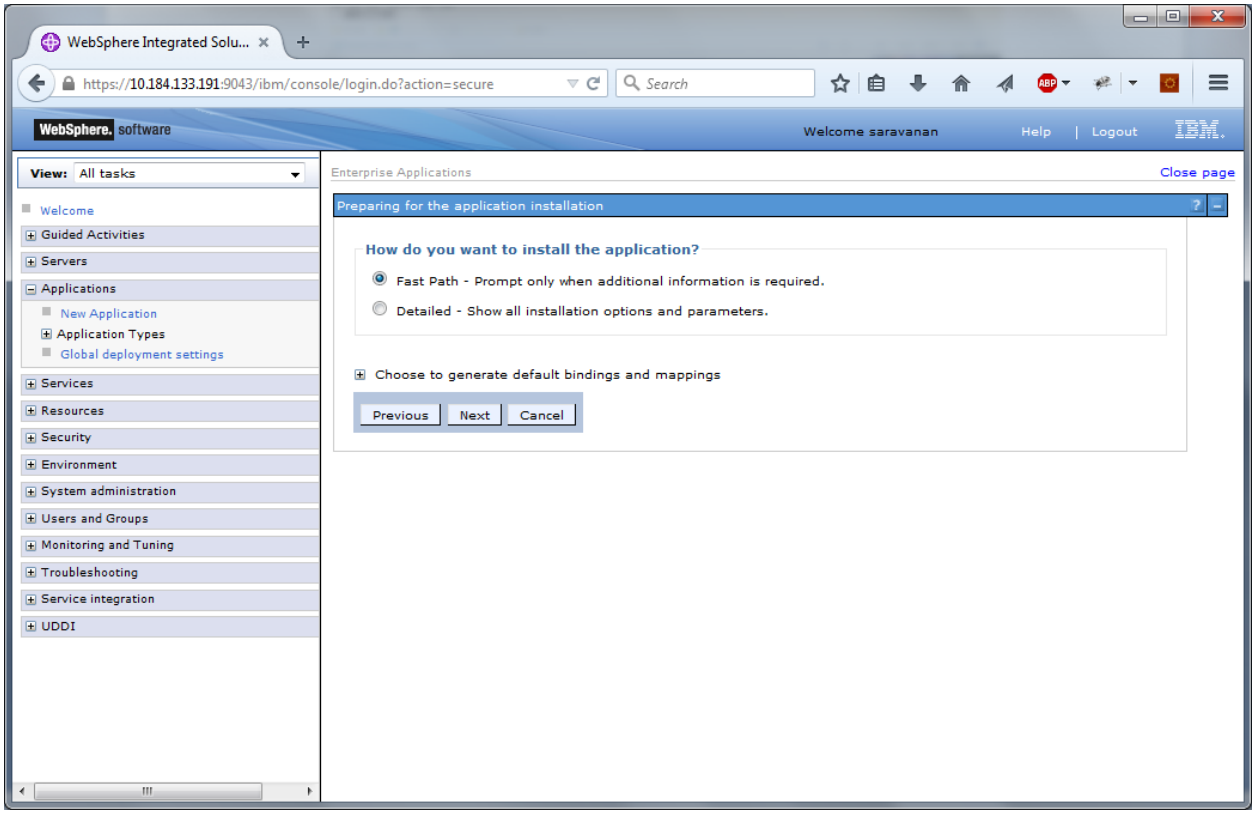
5. Click ‘New Enterprise Application.



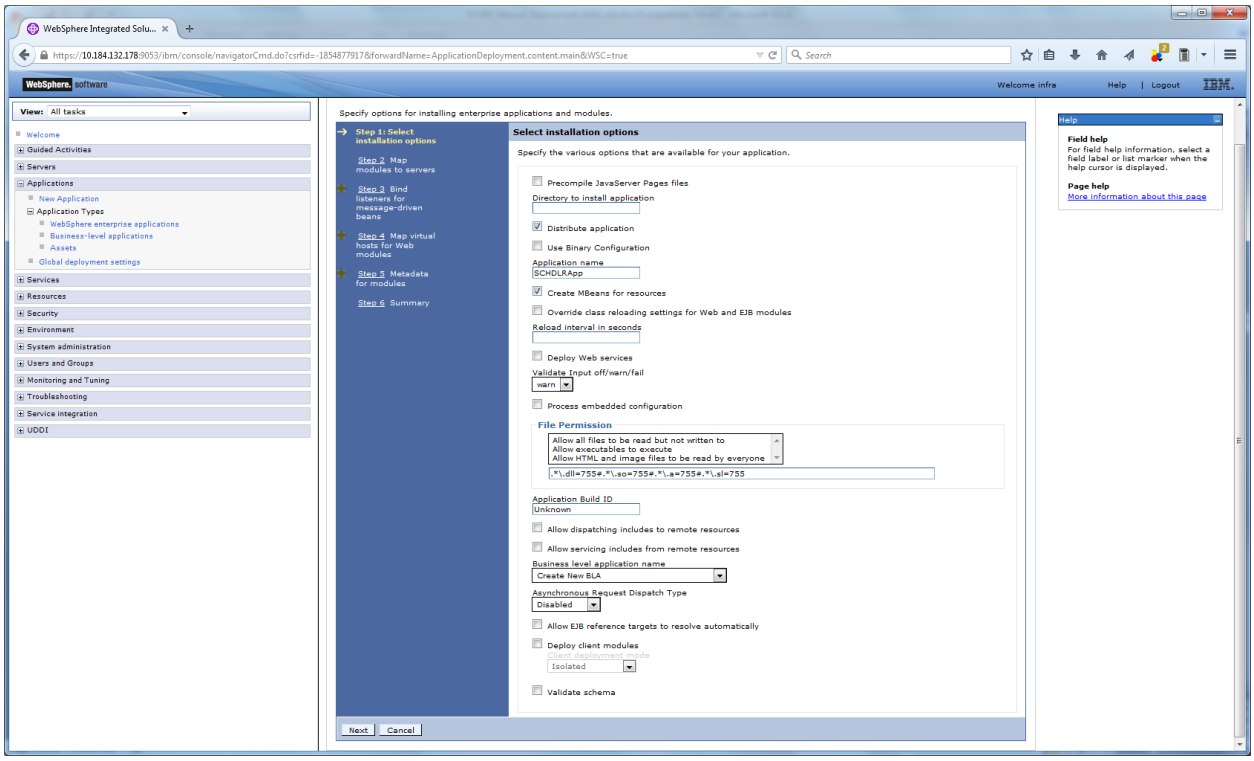
6. Browse the application EAR file and click next button



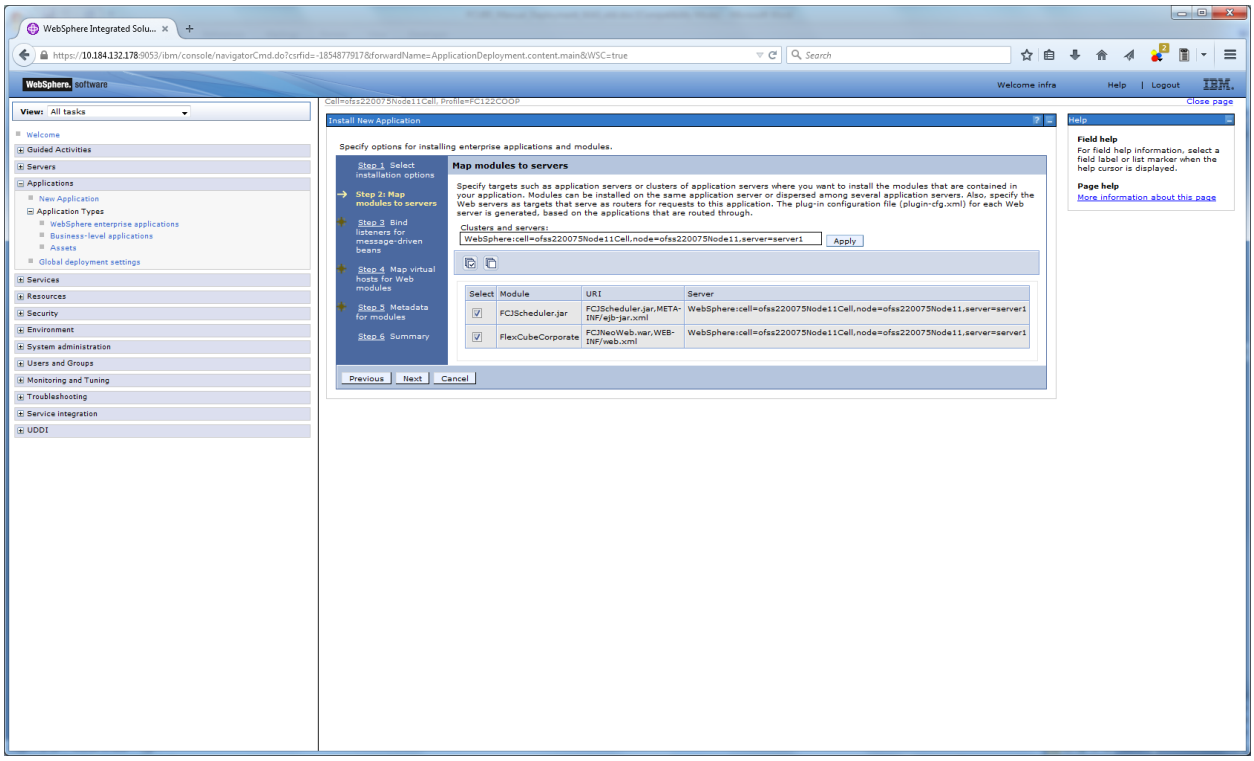
The following screen is displayed.



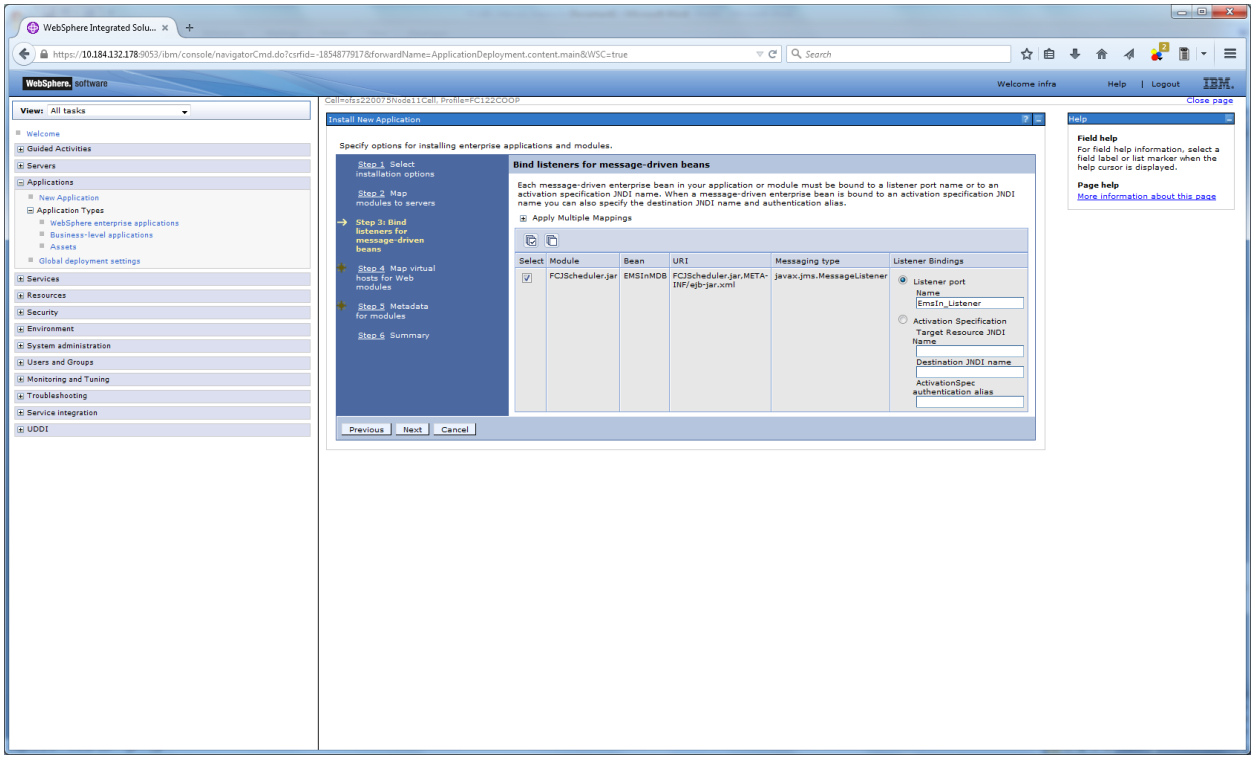
7. Click ‘Next’. The following screen is displayed.



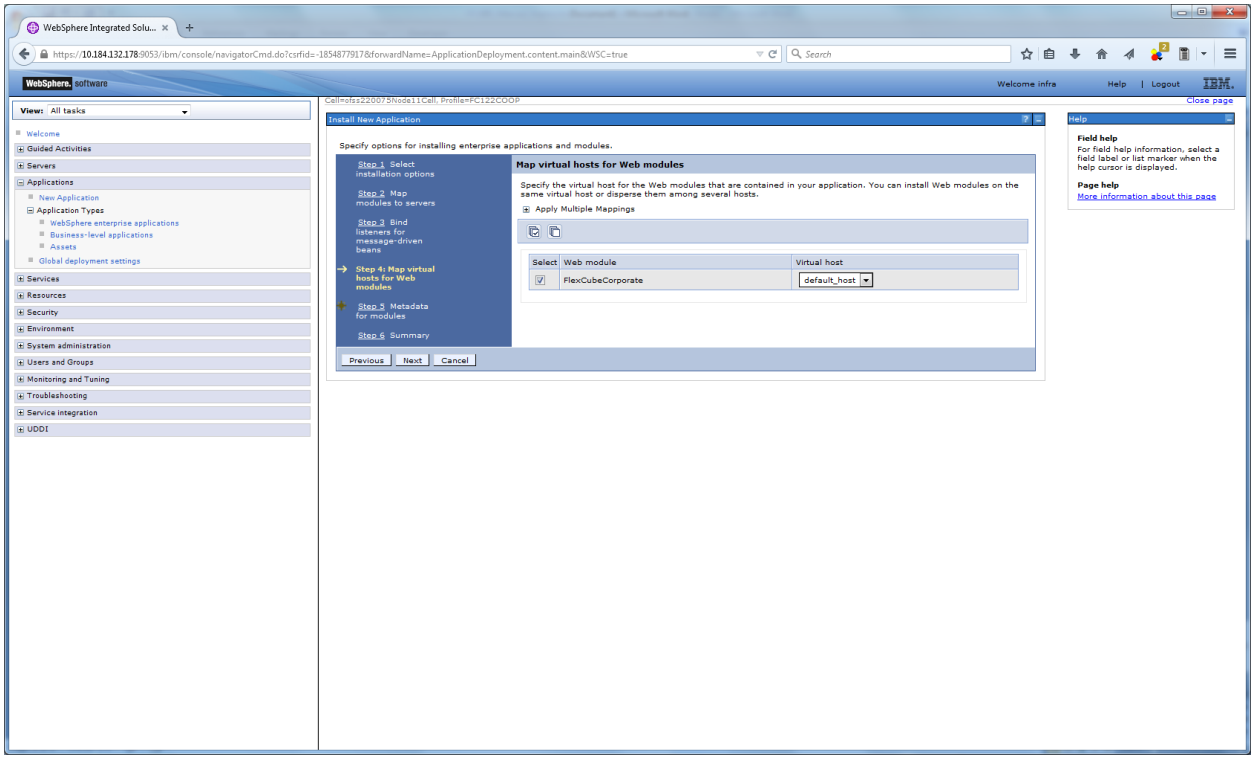
8. Enter the Application Name. This should be the application name mentioned as part of EAR building.



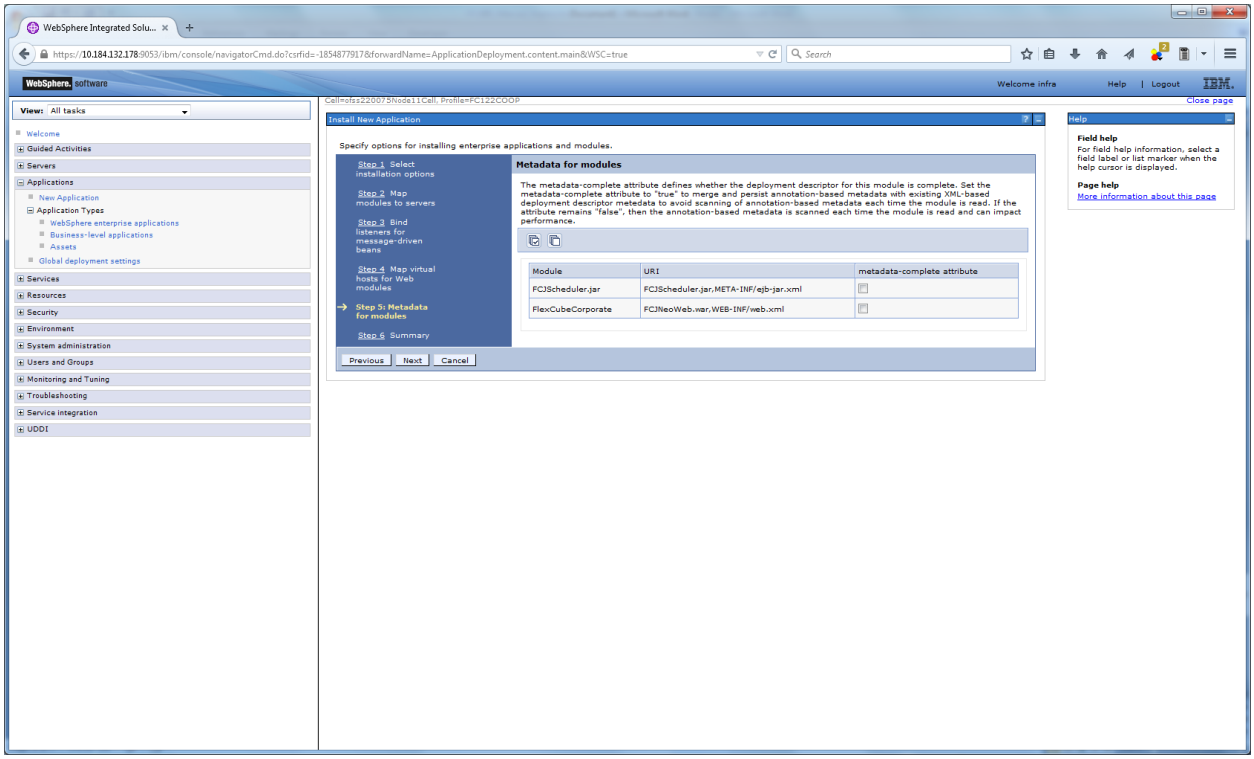
9. Check all the options. Click ‘Next’. The following screen is displayed.



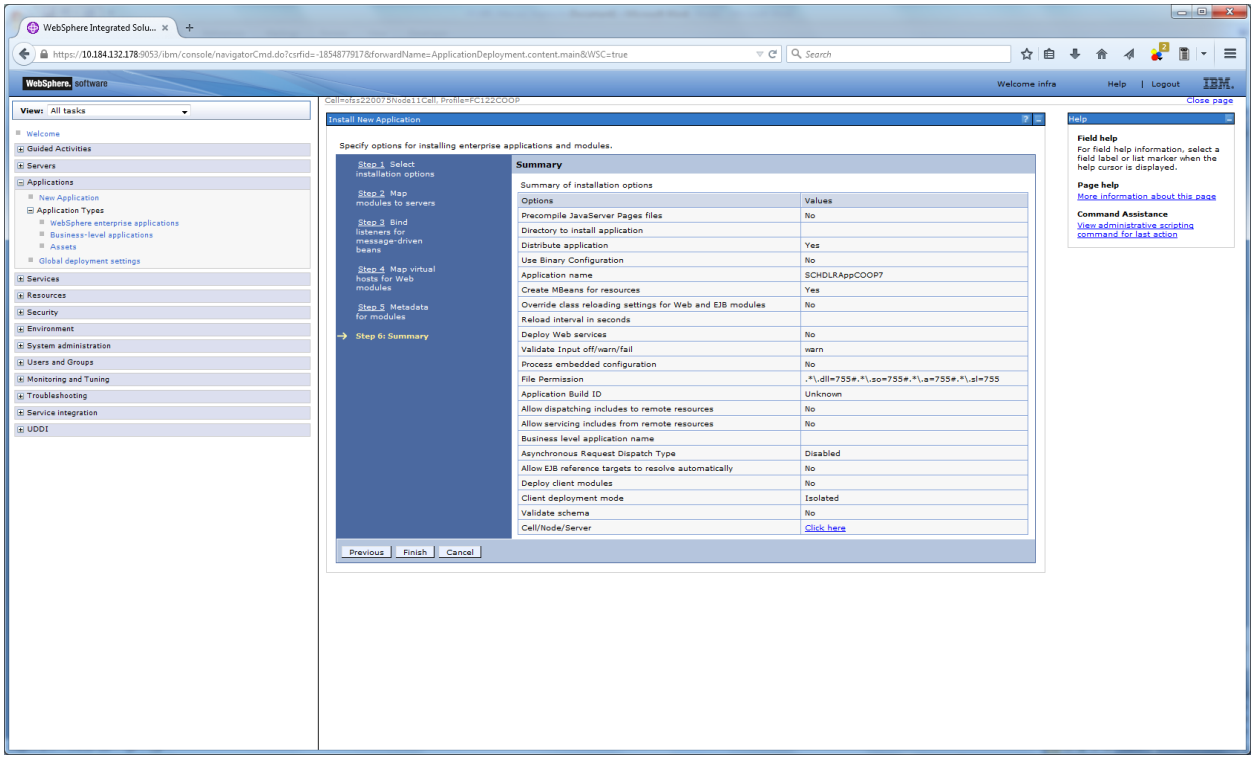
10. Specify the details as shown in the figure.



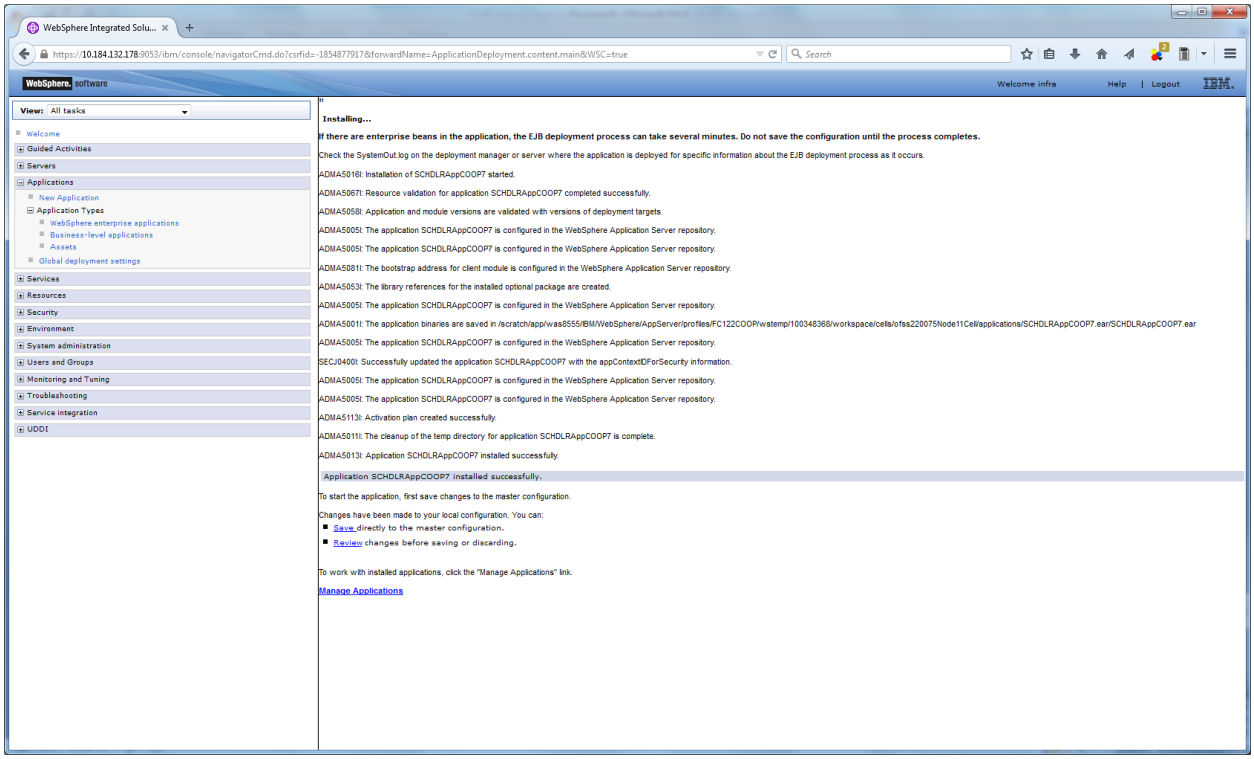
11. Click ‘Next’. The following screen is displayed.



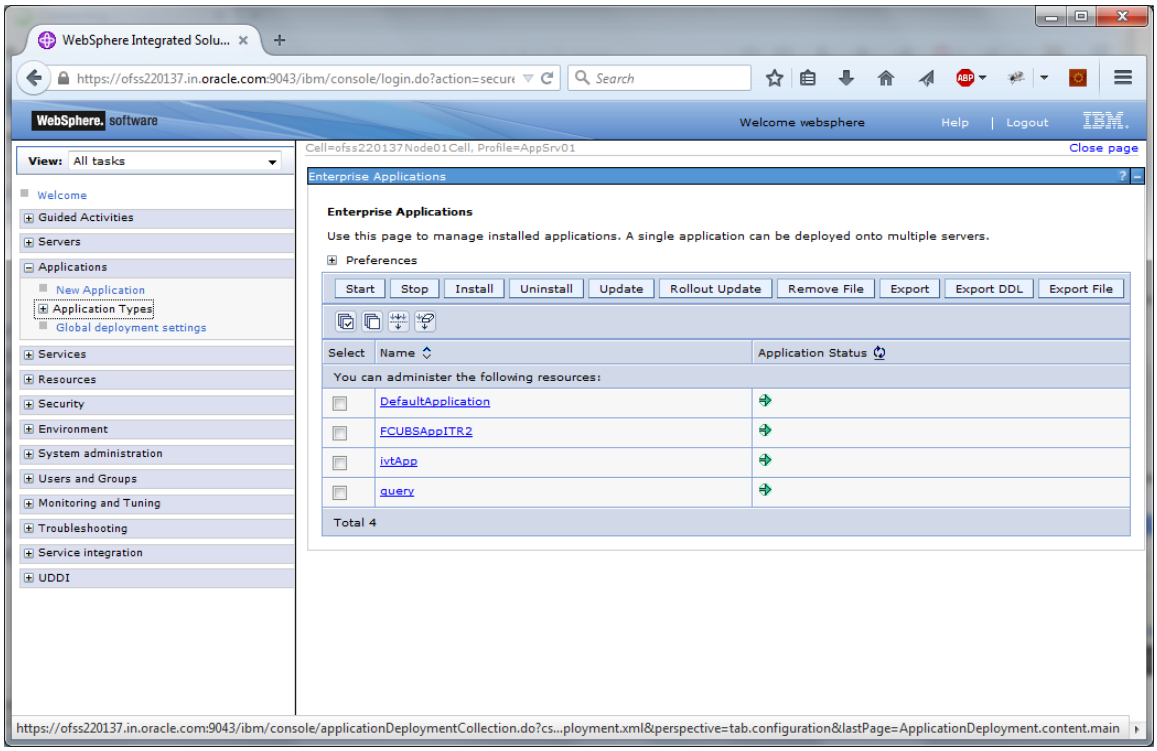
12. Click ‘Next’. The following screen is displayed.



13. Click ‘Finish’. The following screen is displayed.

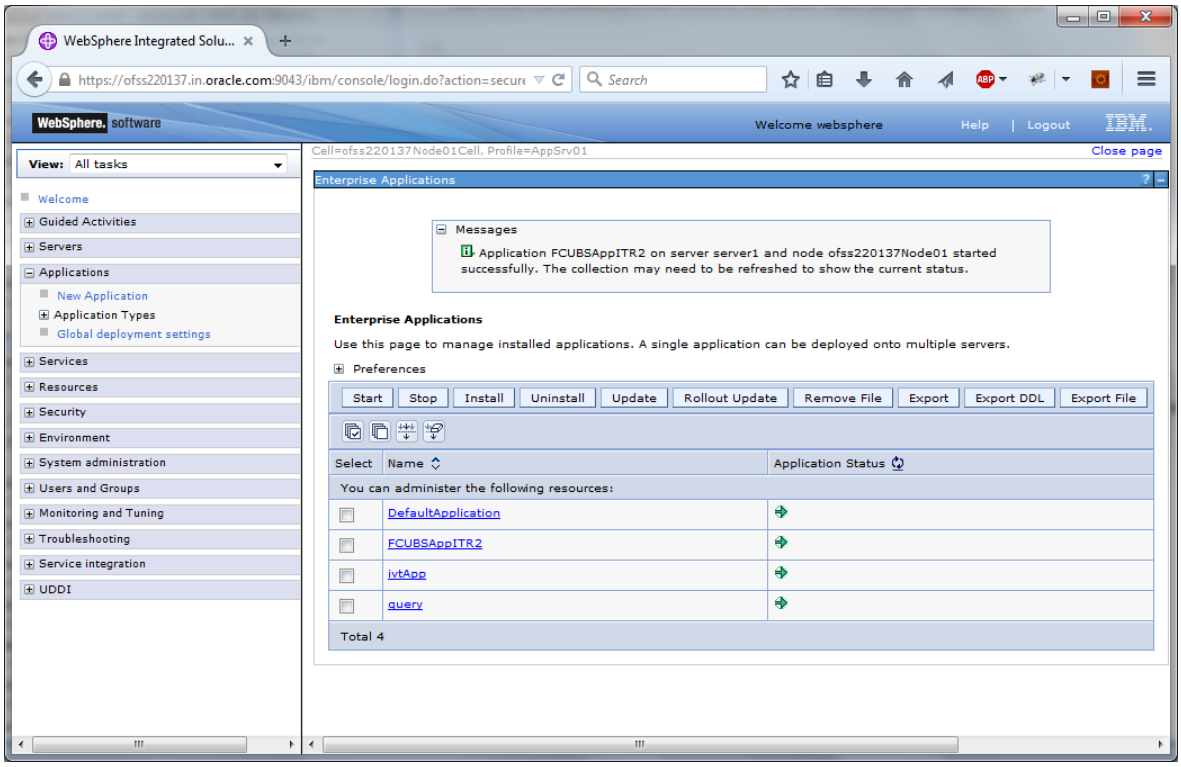


Click ‘Save’.The following screen is displayed.



14. Select the application and click ‘Start’.

The application starts as shown below:



1.2.5 FCUBS GWEJB Application Deployment

To deploy Oracle FLEXCUBE UBS application on WebSphere application server, follow the steps given below:

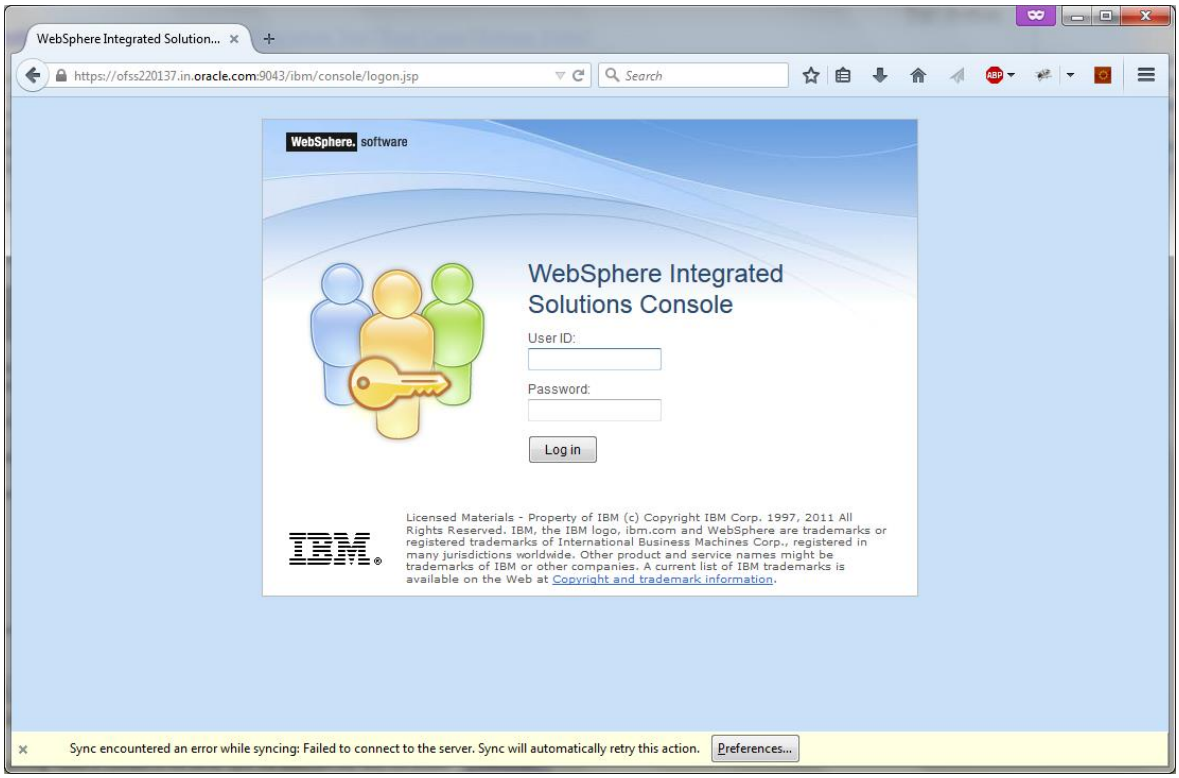
1. Open the Administrative Console of WebSphere server:

   Open an internet0020browser and type the WebSphere Admin Console URL http://{Host}:{Port}/console.

   Eg: https://10.10.10.10:1010/console

   In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

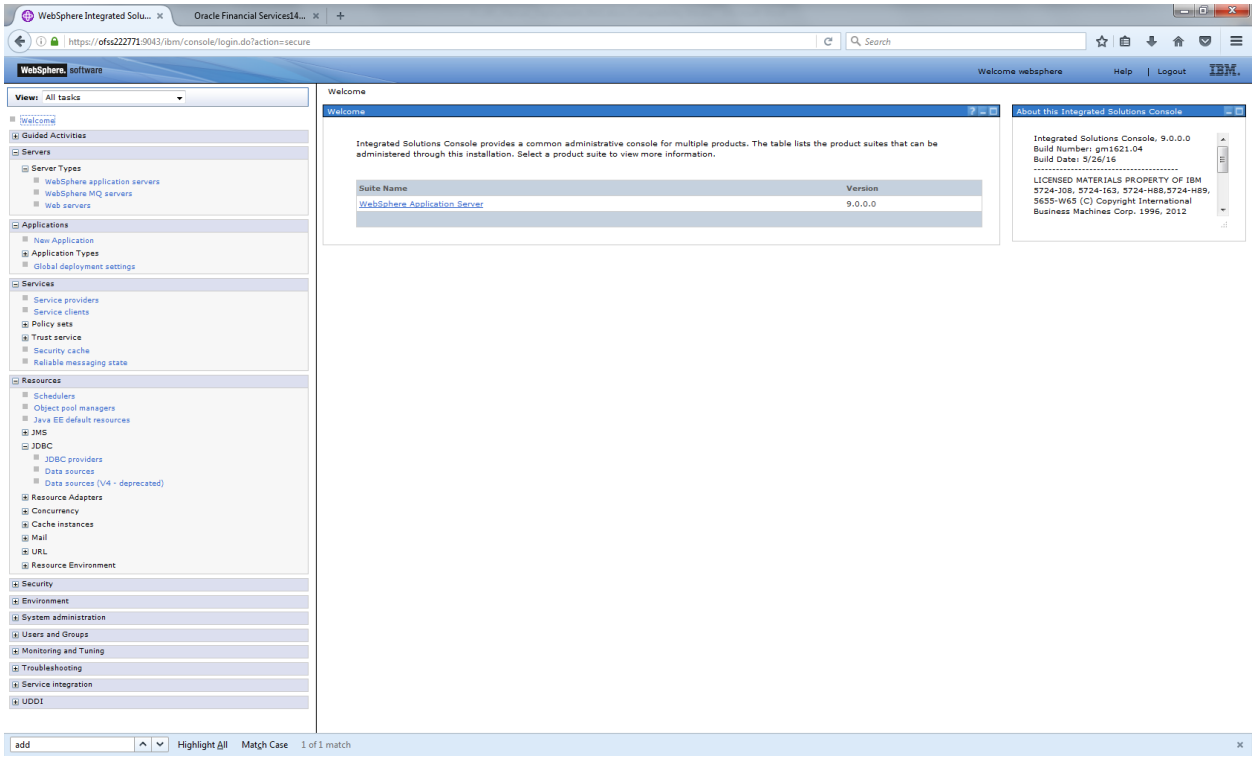
   The following screen is displayed**:**



2. Enter the user name and password and click ‘Log In’ to log in to the application server.

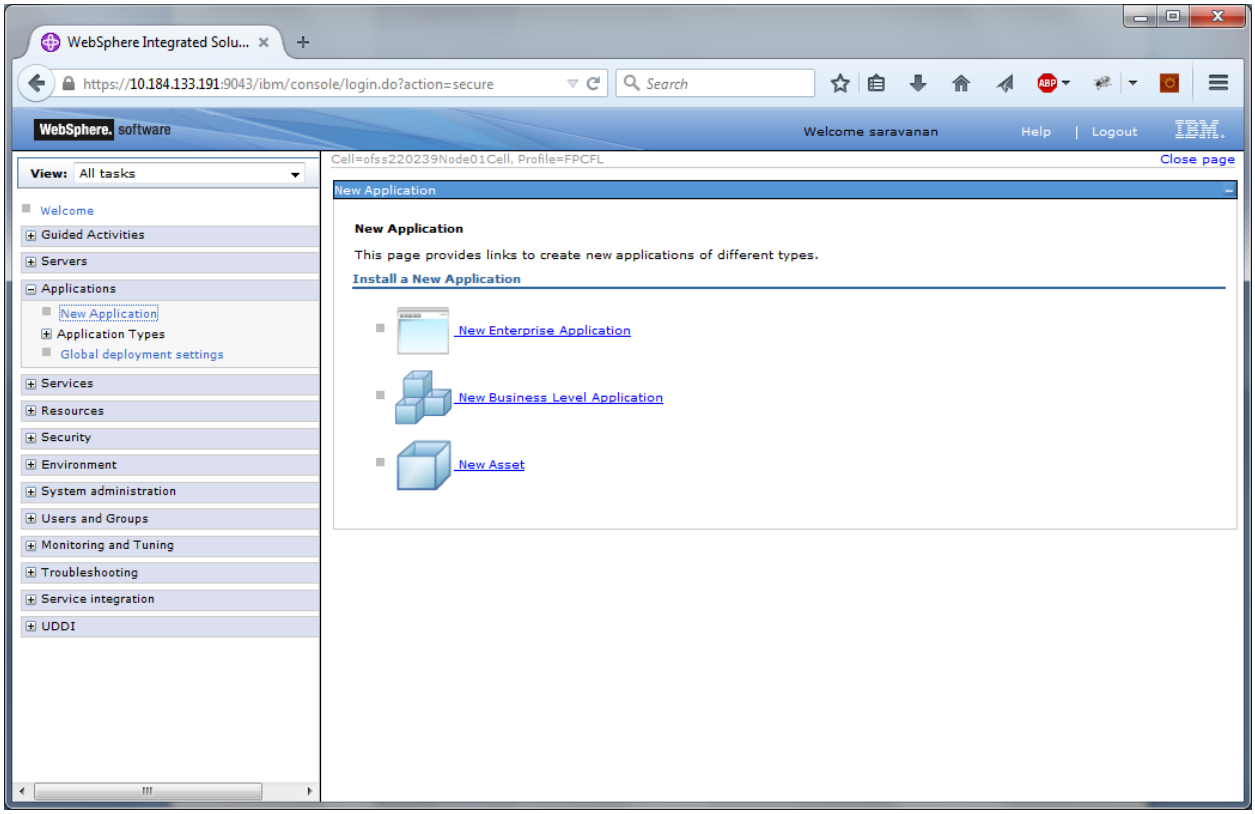
   3. Navigate to the WebSphere Home Page.

   The following screen is displayed.

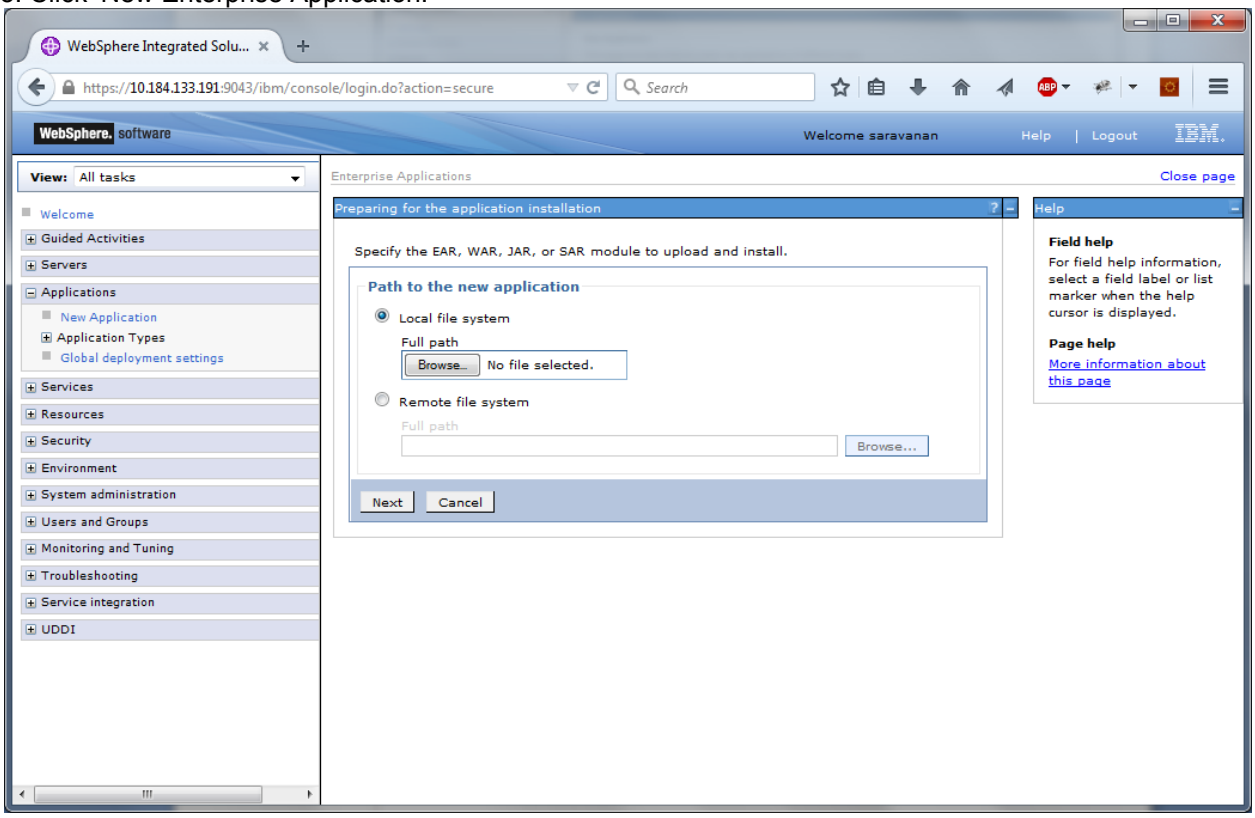


4. Expand Applications from left-side menu and Click ‘New Application’.

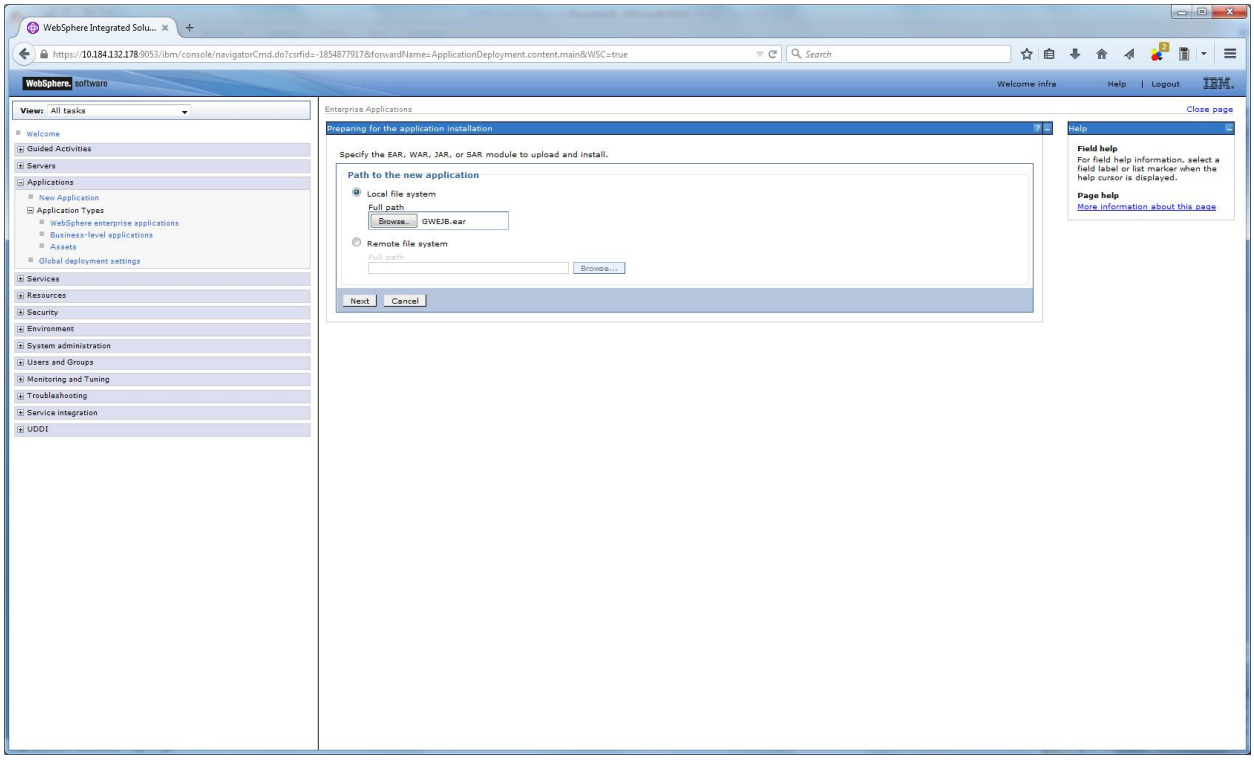
The following screen is displayed.



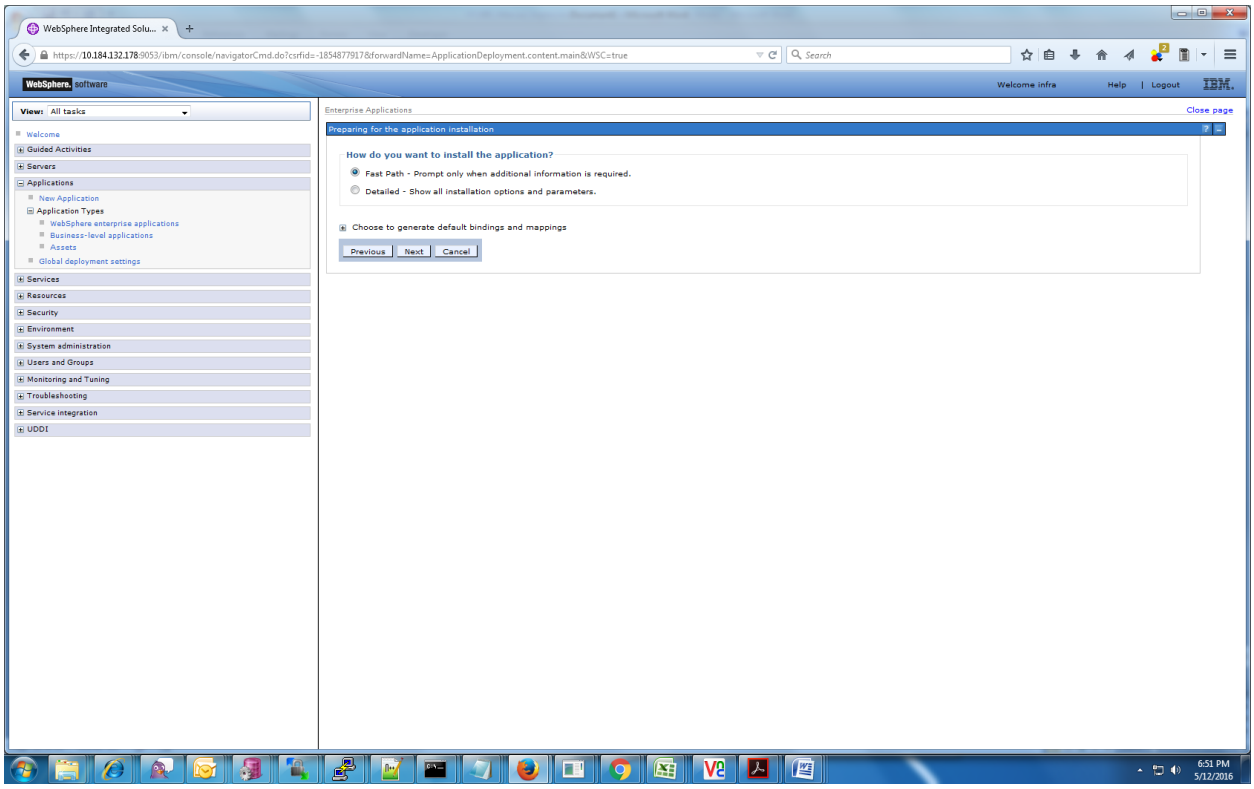
5. Click ‘New Enterprise Application.



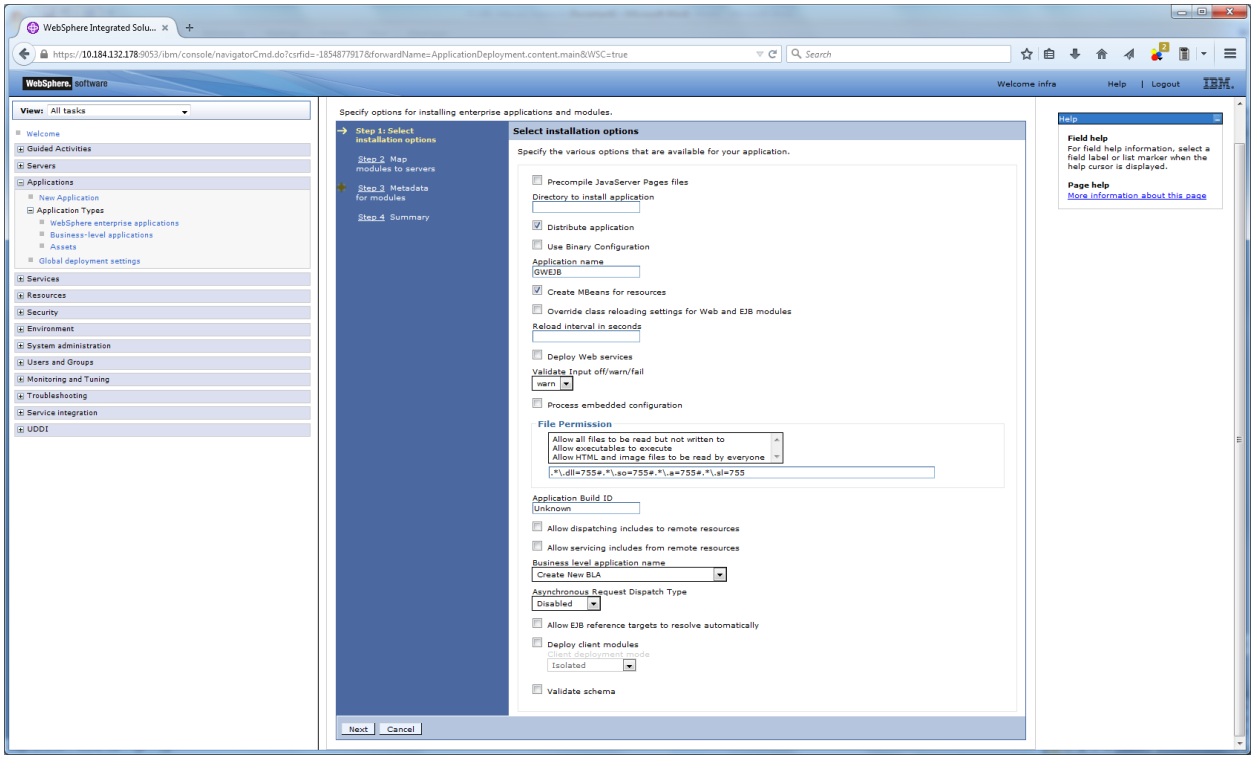
6. Browse the application EAR file and click next button



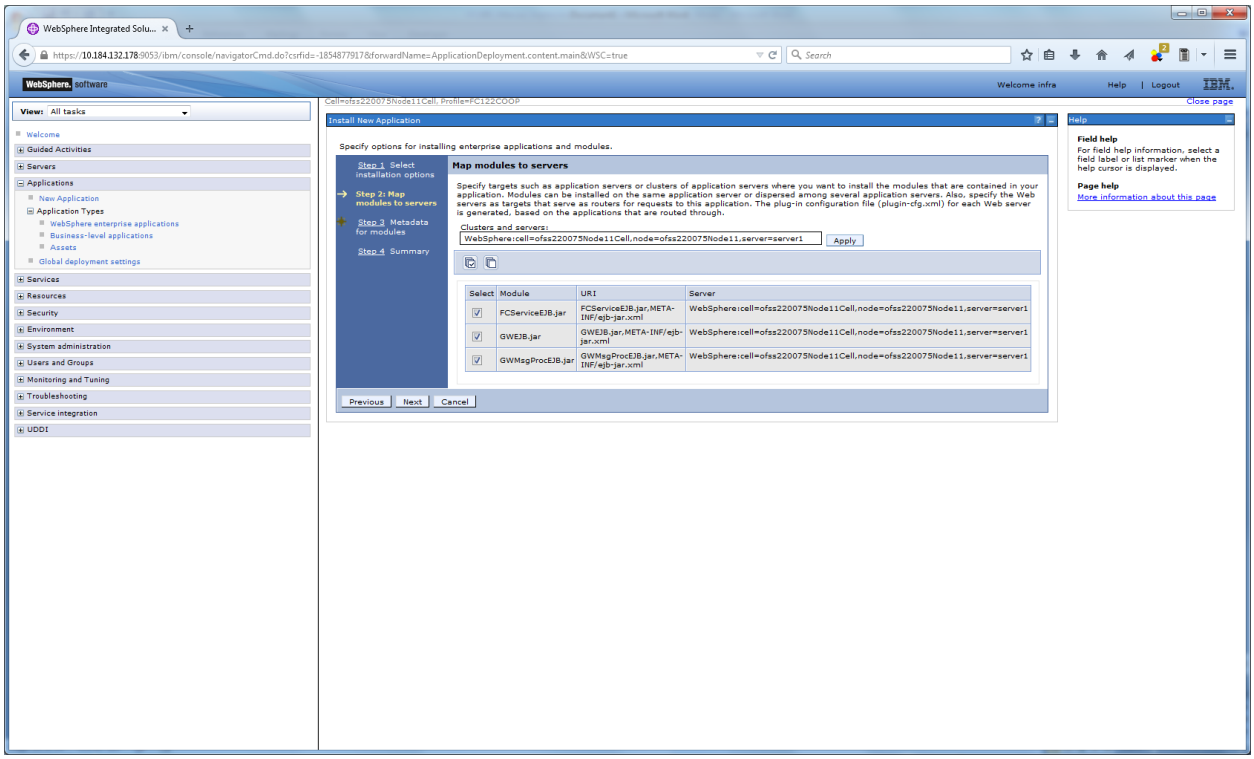
7. Click Next and the following screen is displayed.



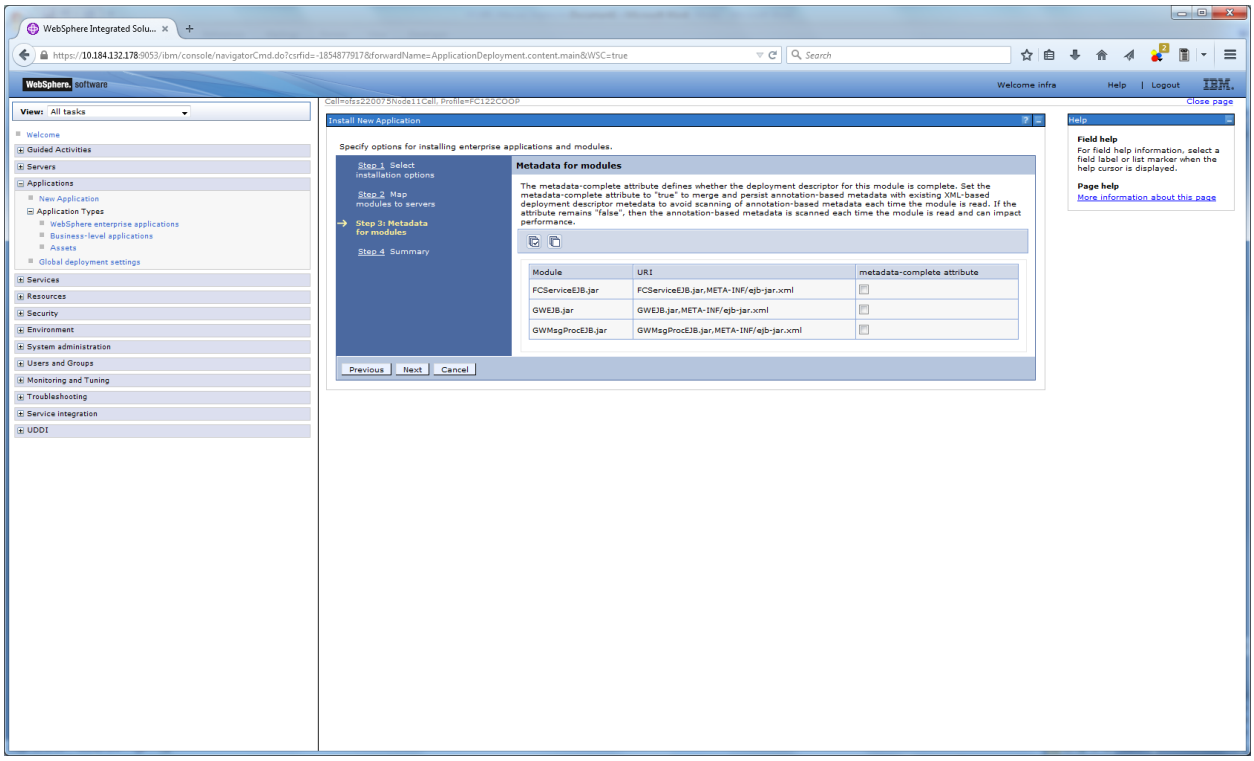
8. Click next and the following screen is displayed.



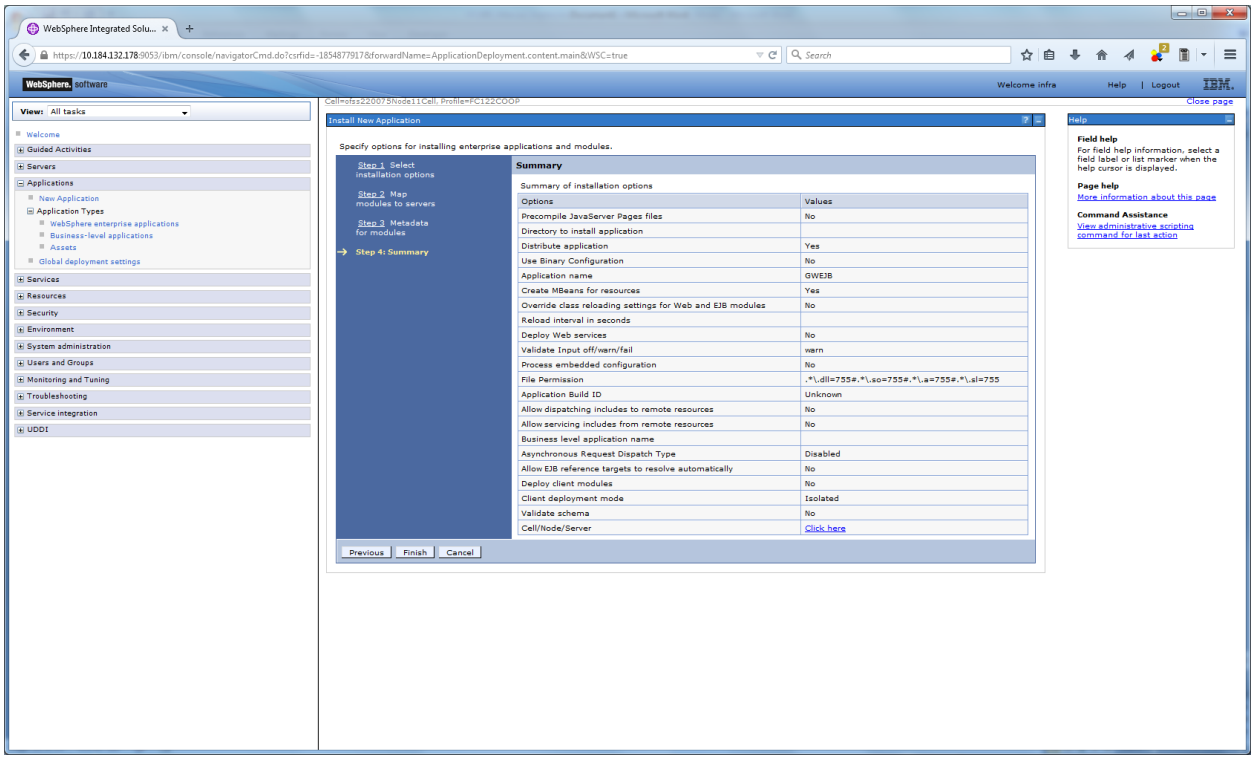
9. Click next and the following screen is displayed.



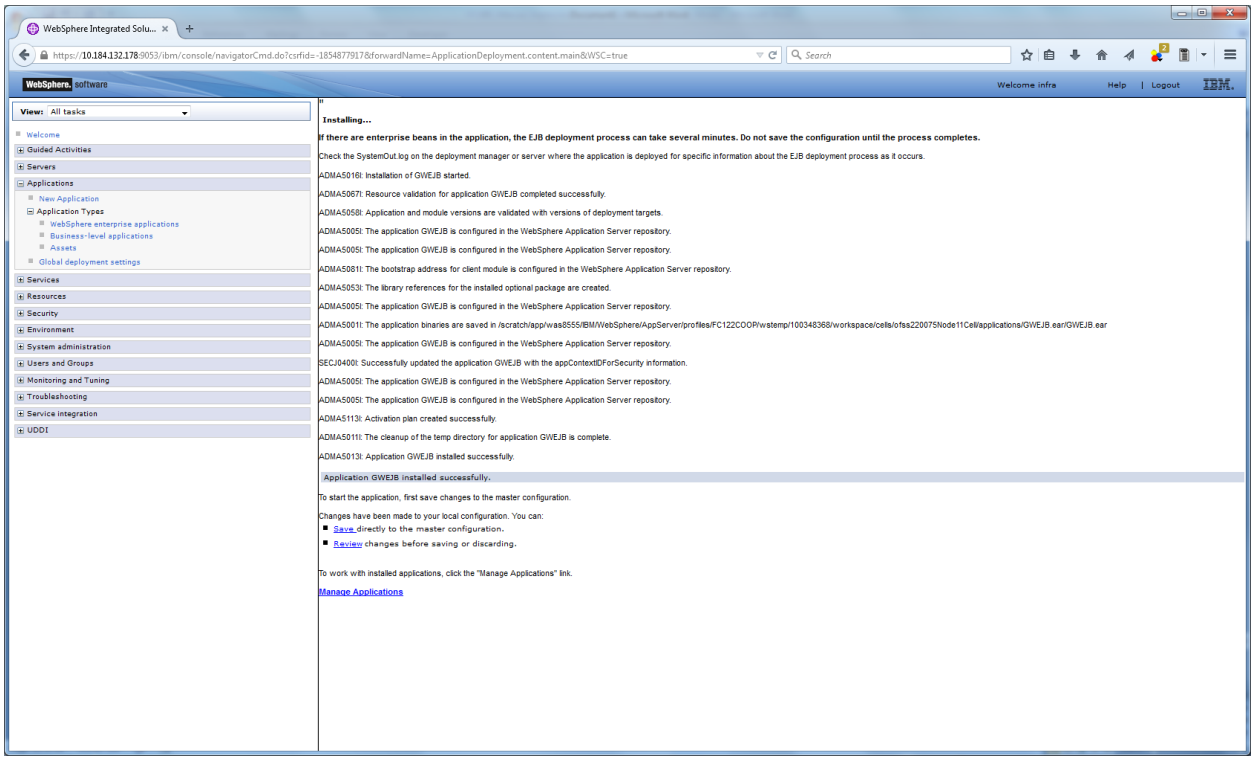
10. click next and the following Screen is displayed.



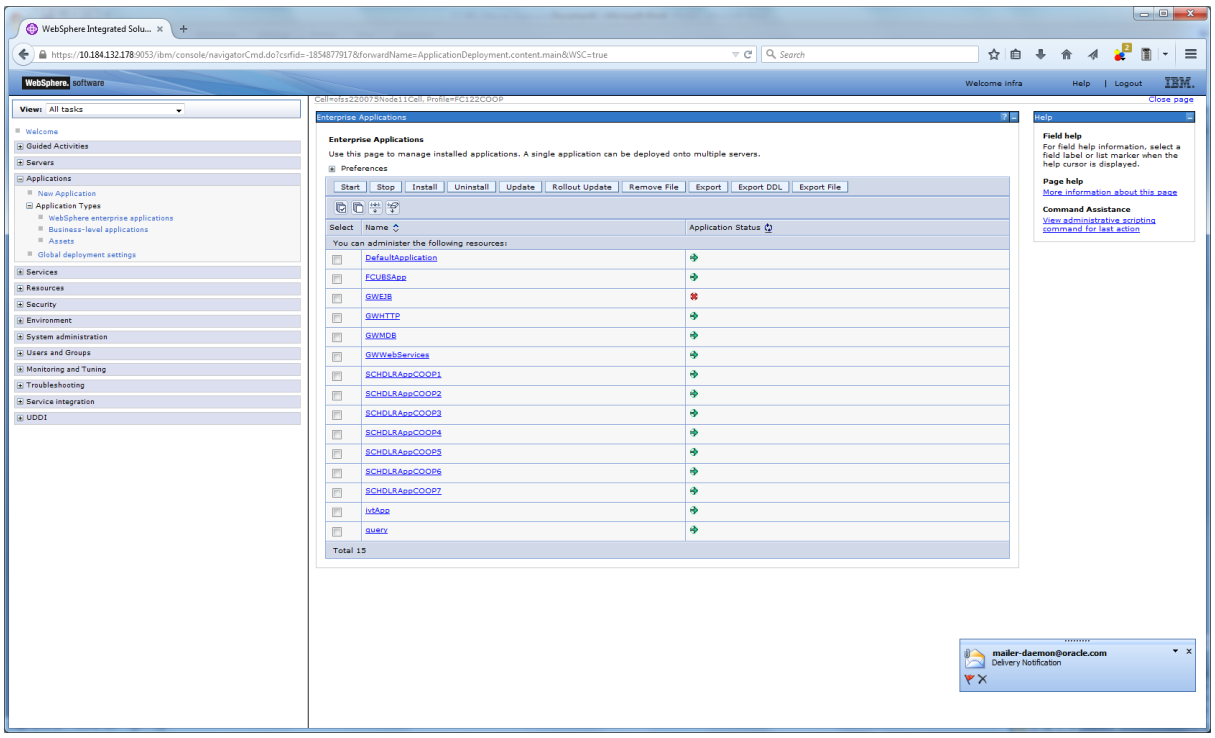
11. Click next and the following screen is displayed.



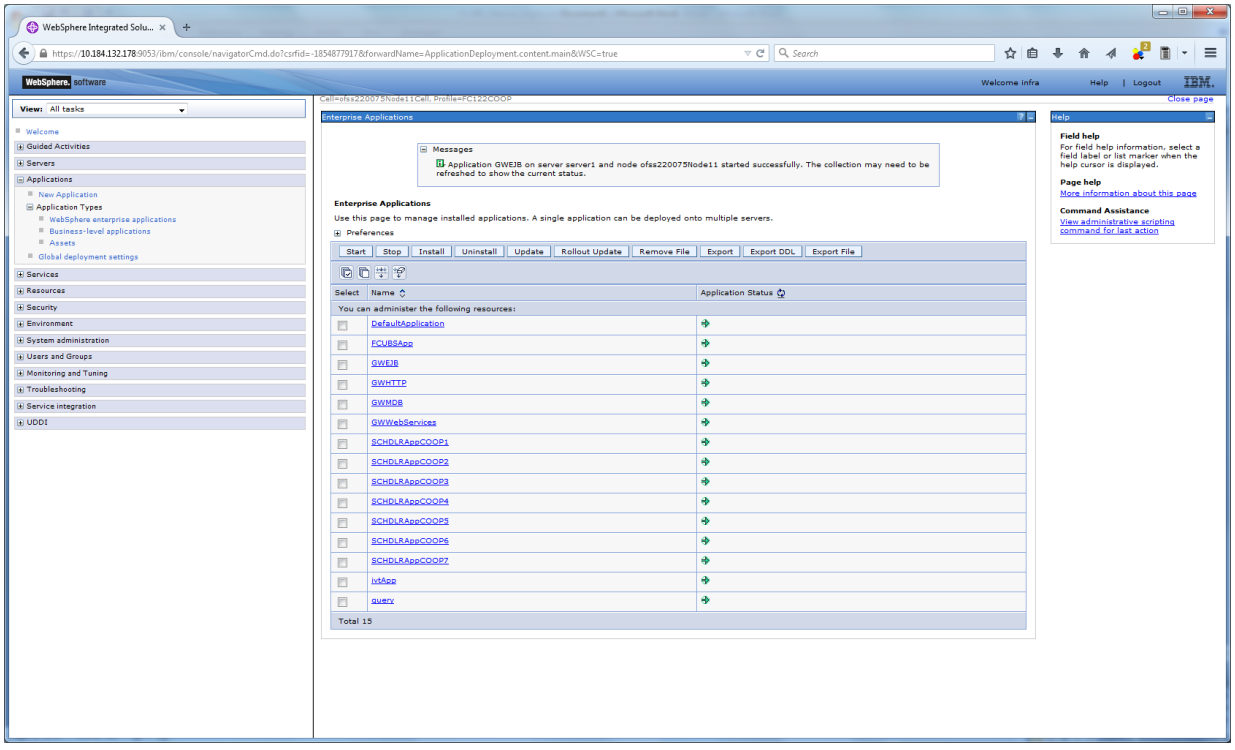
12. Click on finish and the following screen is displayed.



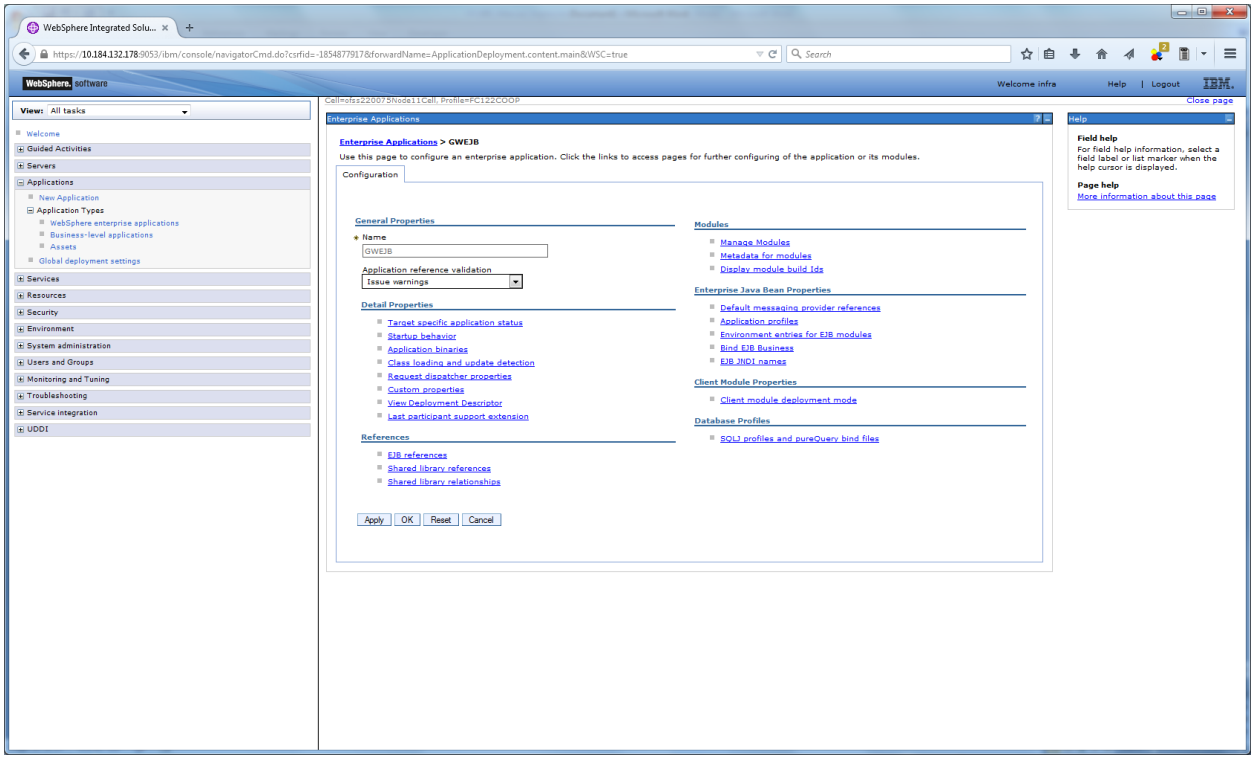
13. Click on save and the following screen is displayed.



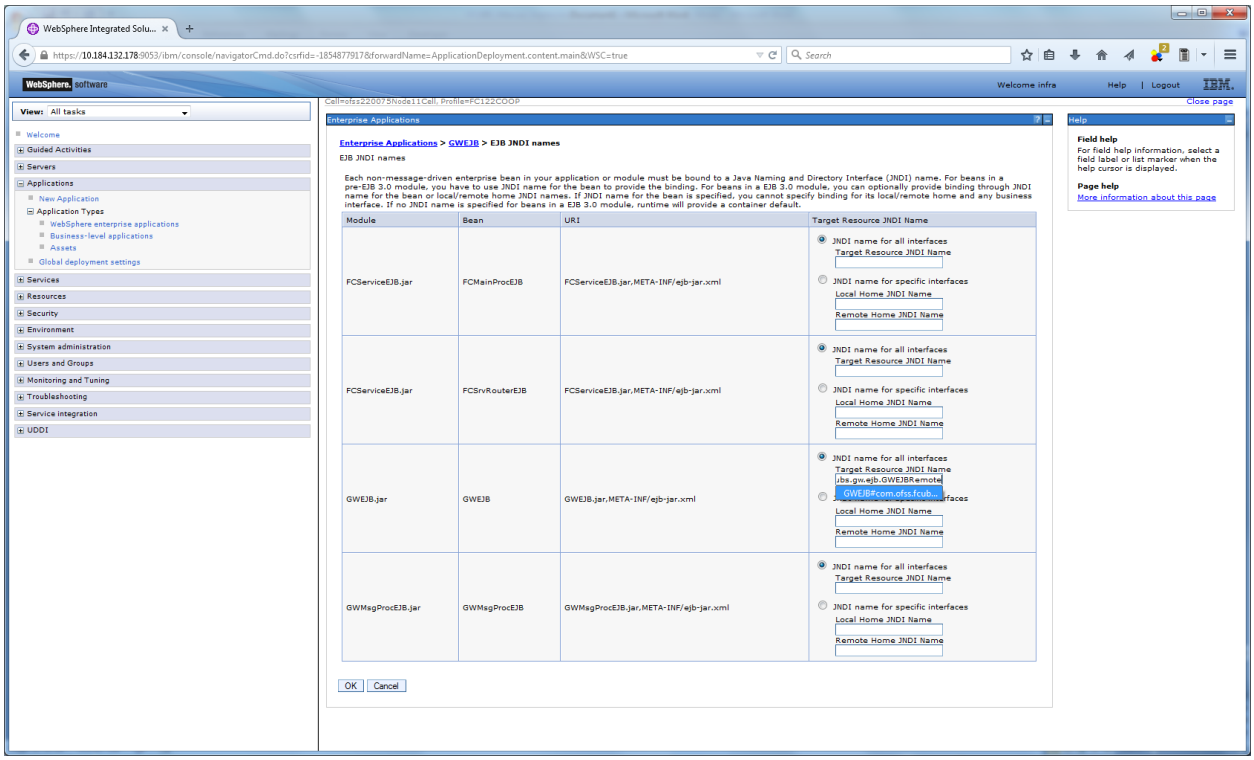
15. Select the deployed application and click on start



16. Click on the application and the following screen is displayed.

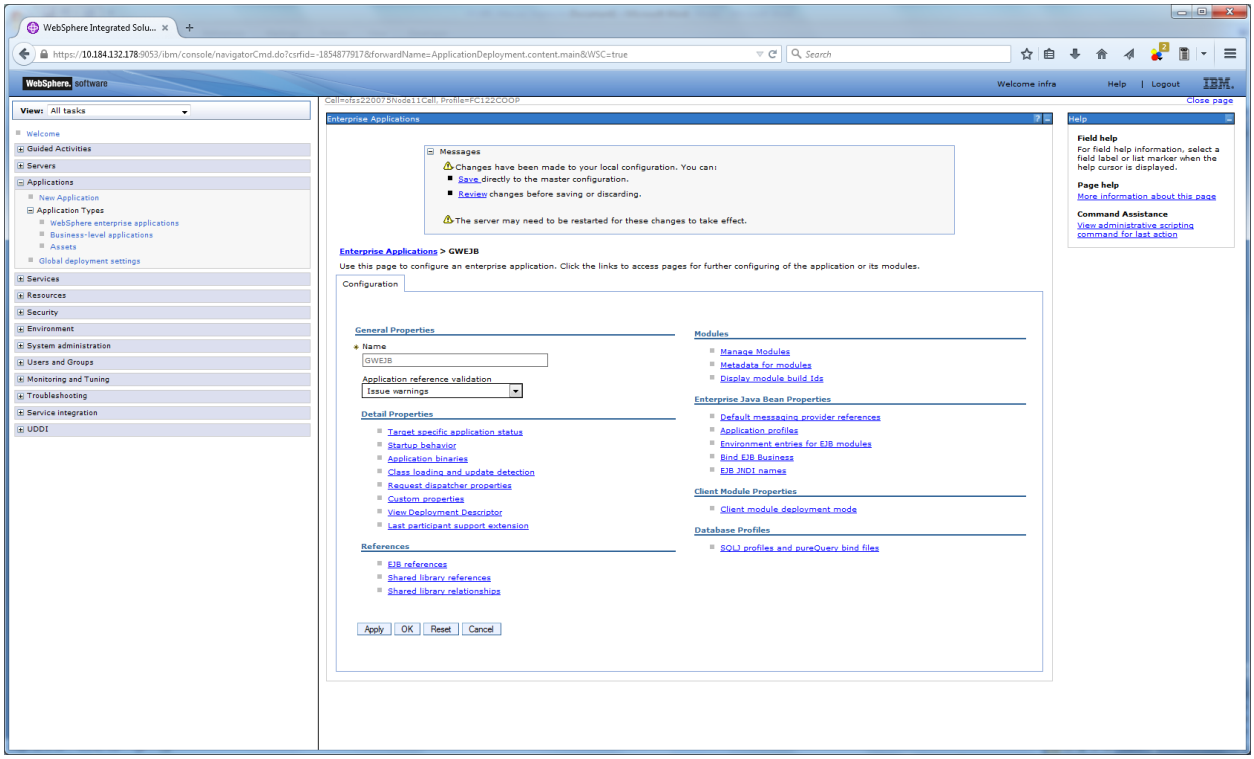


17. Click on EJB JNDI names and the following screen is displayed.



Provide the JNDI Name for GWEJB.jar as “GWEJB#com.ofss.fcubs.gw.ejb.GWEJBRemote”

18. Click on OK, and the following screen is displayed.



19. Click on save and the deployment is finished.

1.2.6 FCUBS GWMDB Application Deployment

To deploy Oracle FLEXCUBE UBS application on WebSphere application server, follow the steps given below:

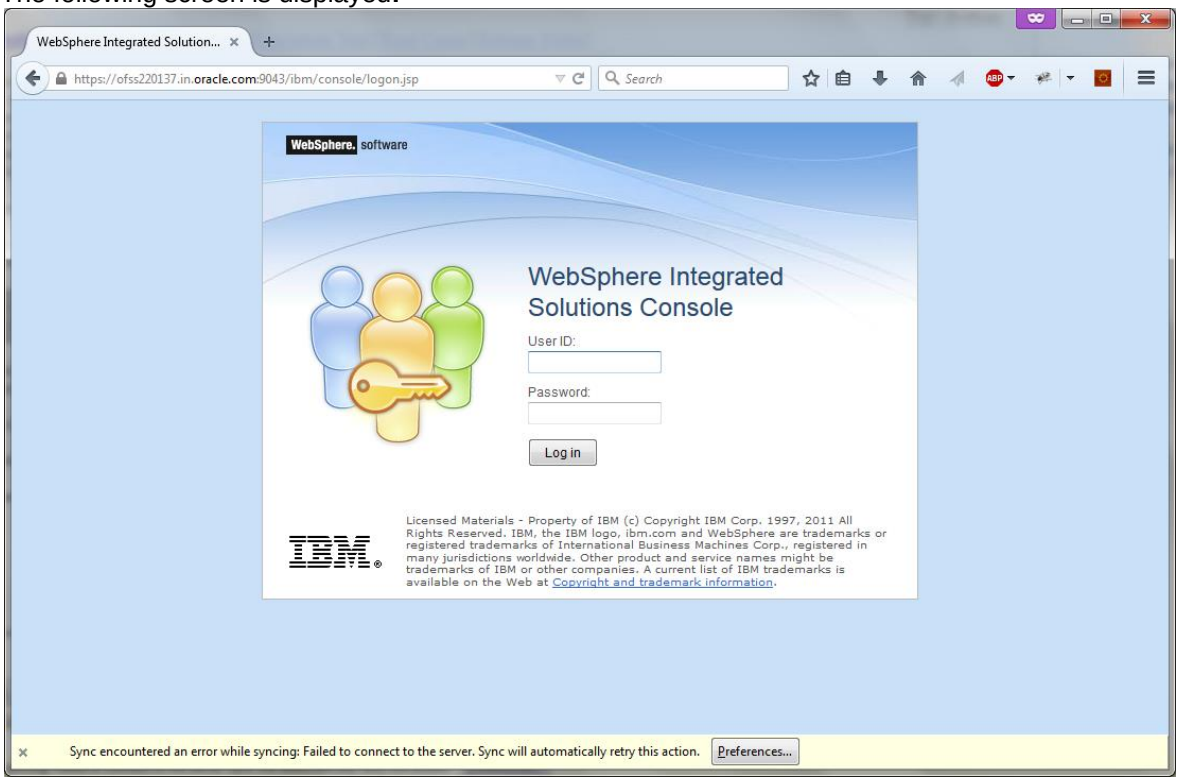
1. Open the Administrative Console of WebSphere server:

   Open an internet browser and type the WebSphere Admin Console URL http://{Host}:{Port}/console.

   Eg: https://10.10.10.10:1010/console

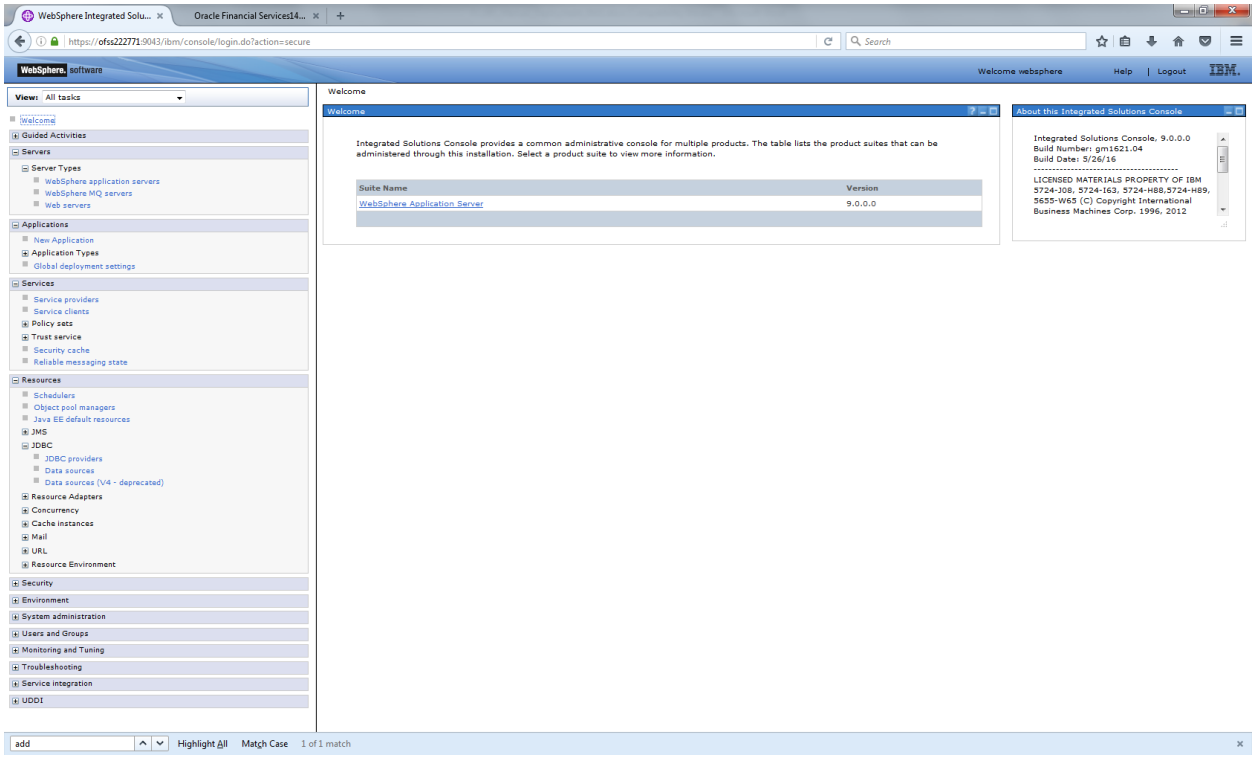
   In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



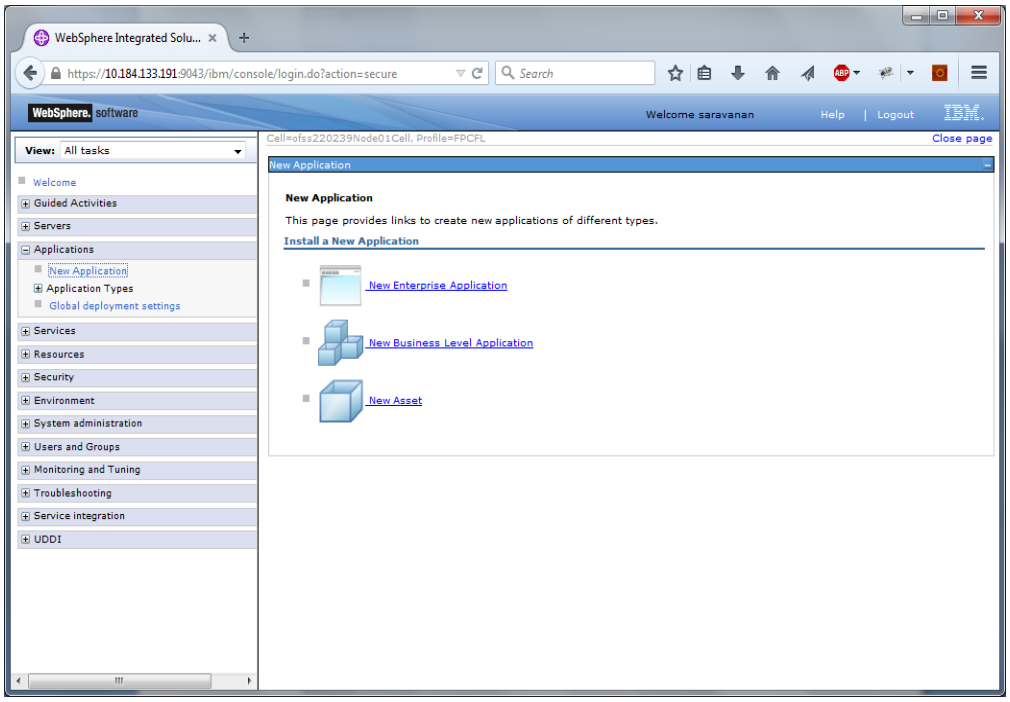
2. Enter the user name and password and click ‘Log In’ to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

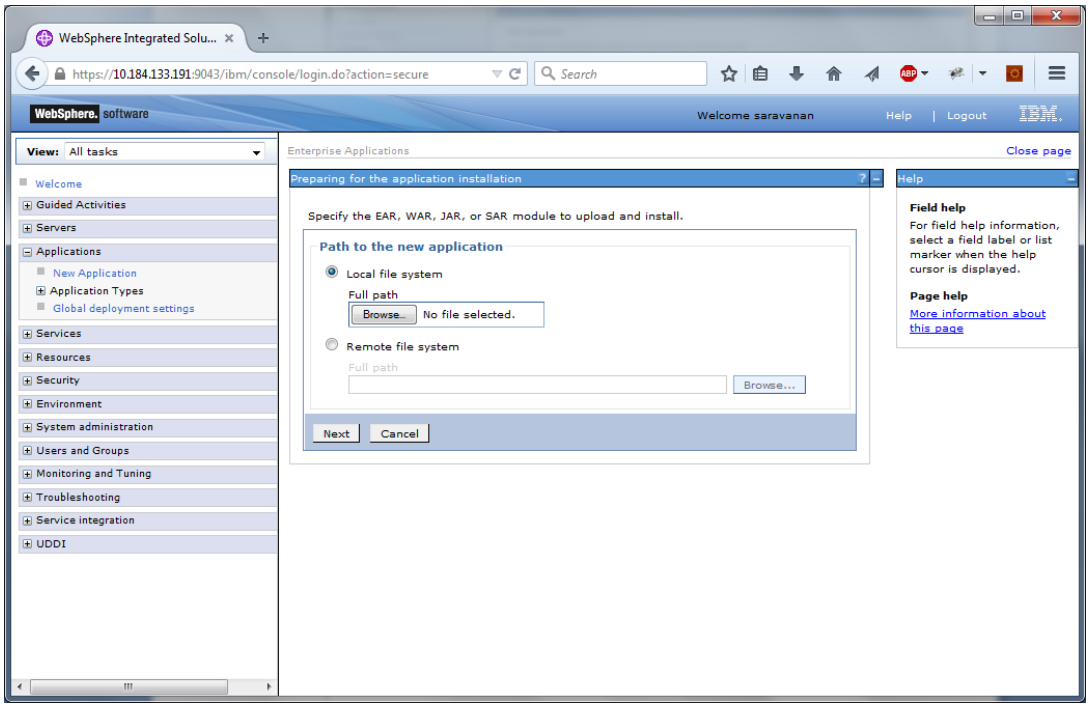


4. Expand Applications from left-side menu and Click ‘New Application’.

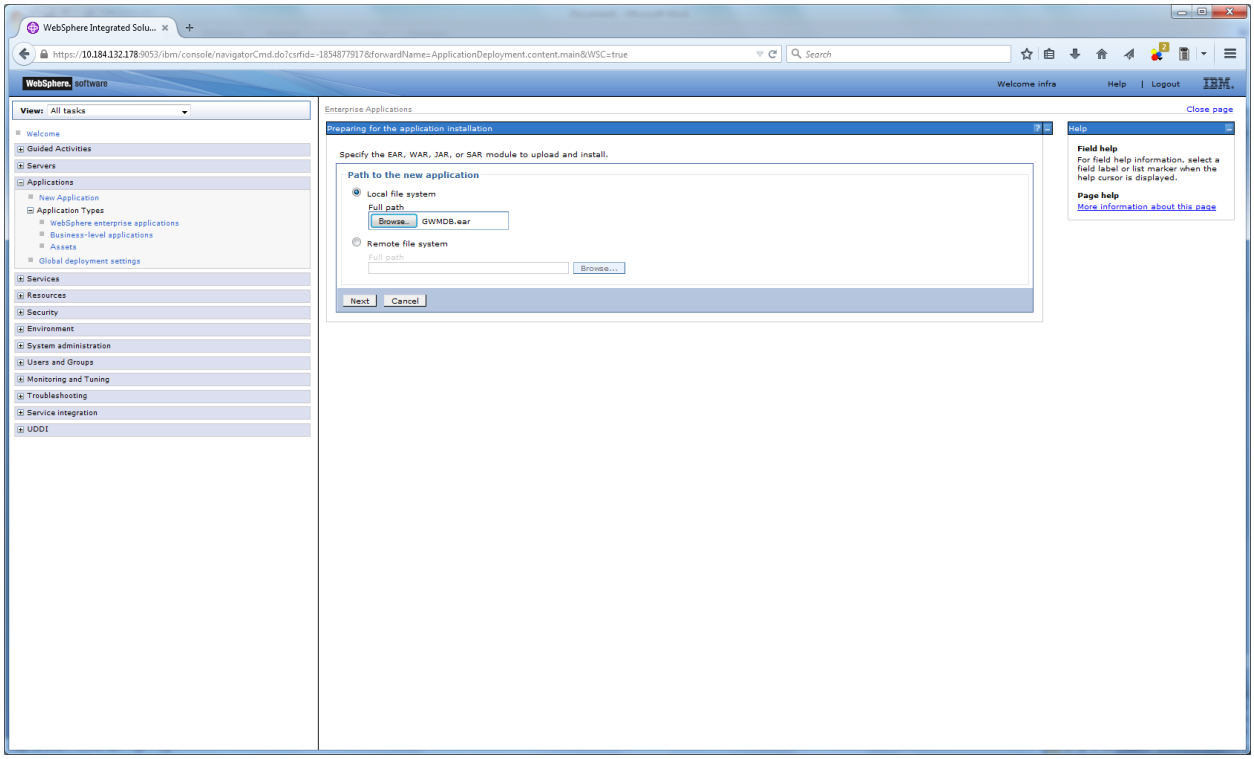
   The following screen is displayed.



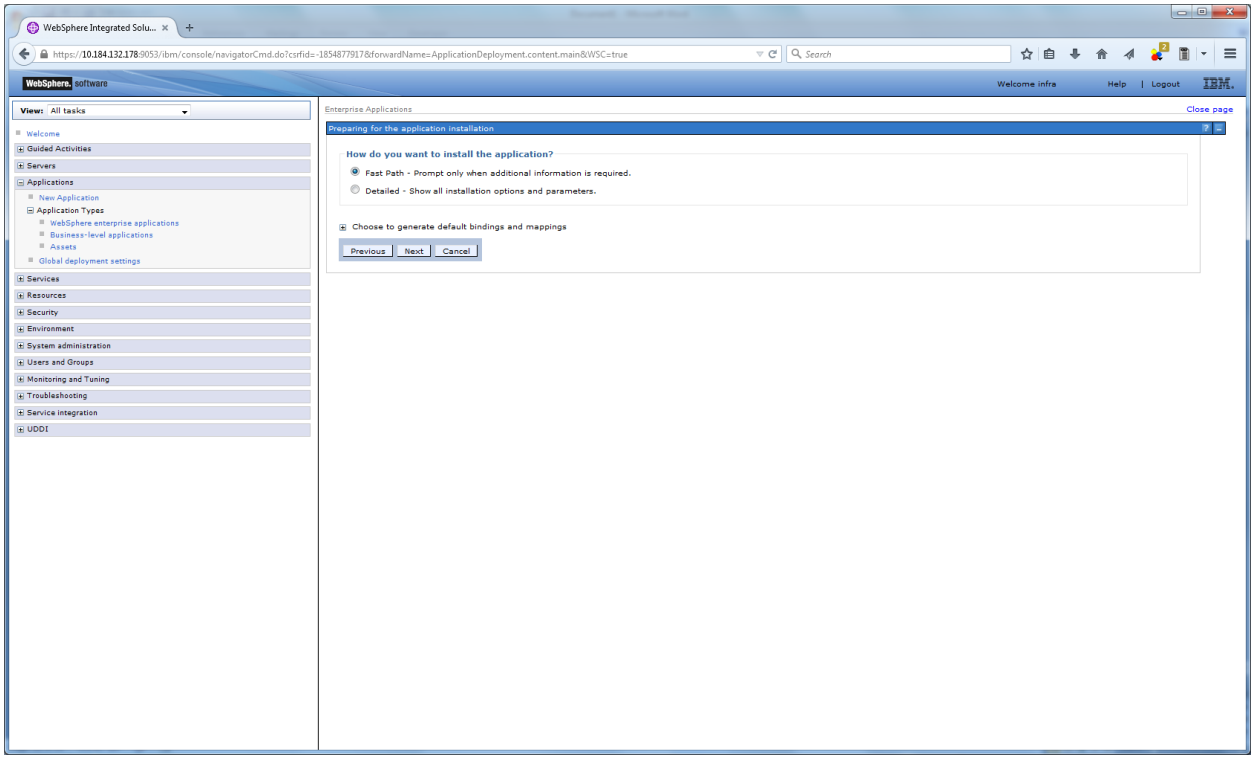
5. Click ‘New Enterprise Application.



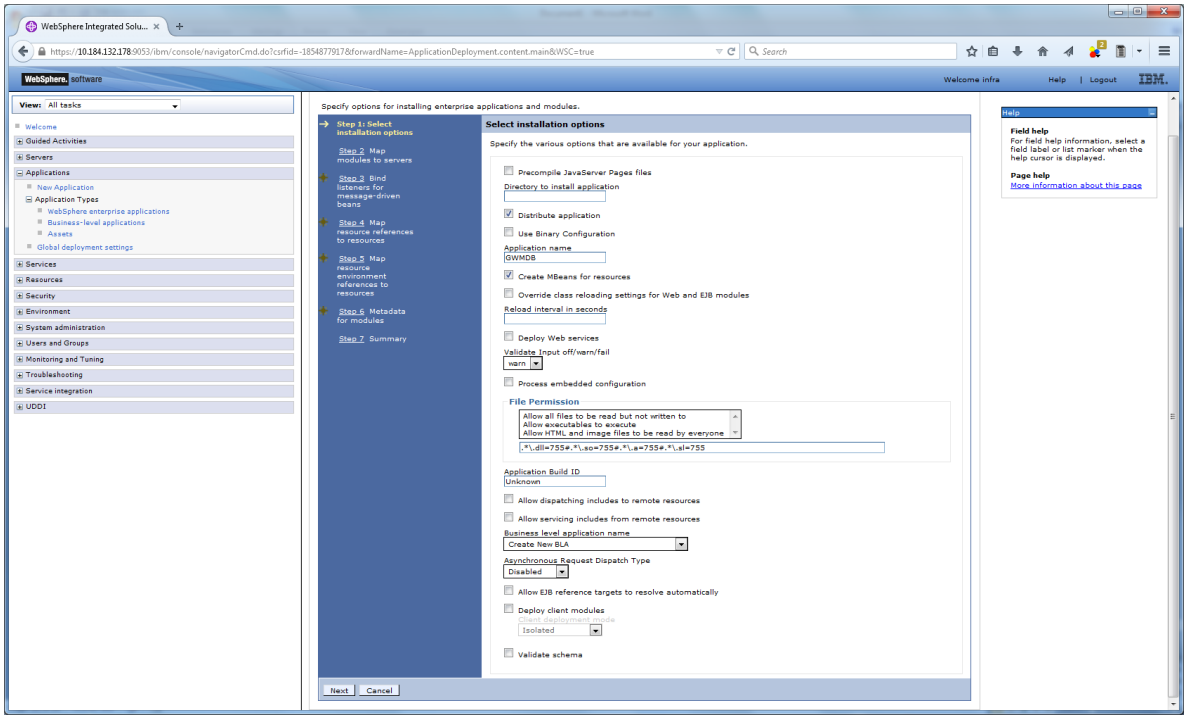
6. Click on Browse and select the MDB EAR and the following screen is displayed



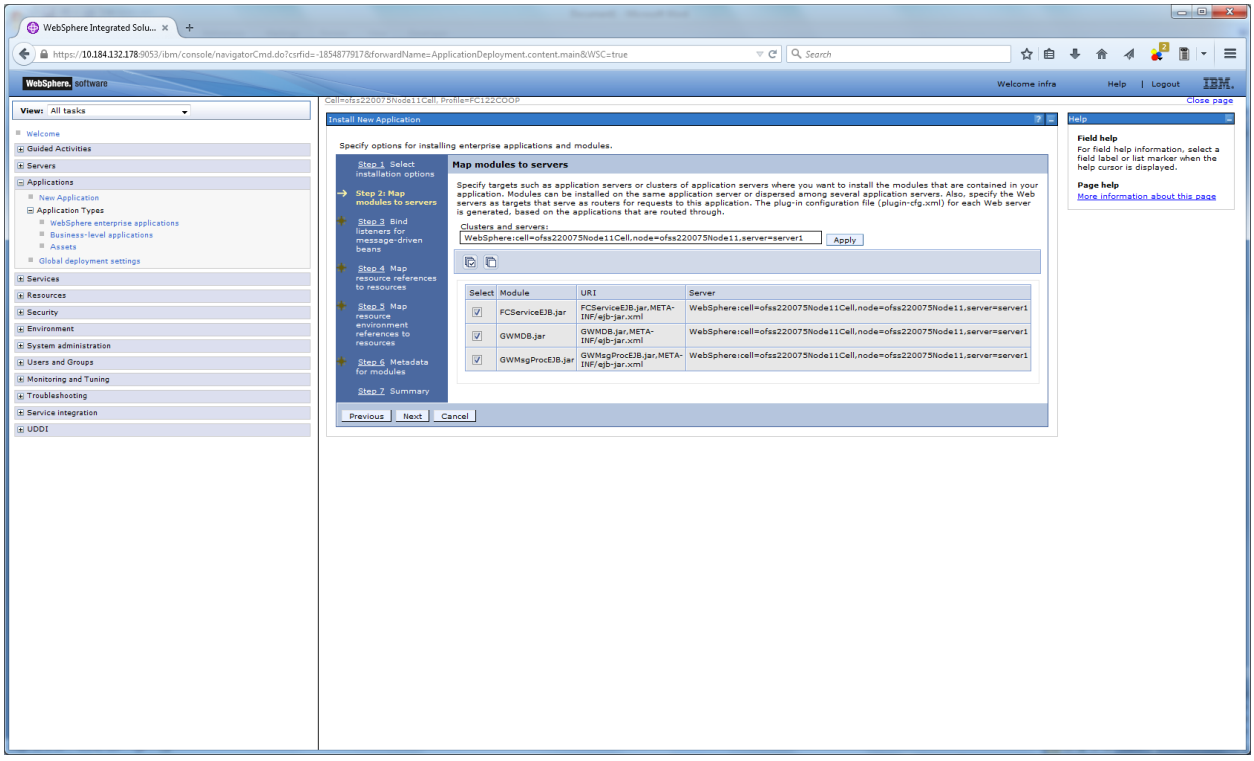
7. Click on next and the following screen is displayed.



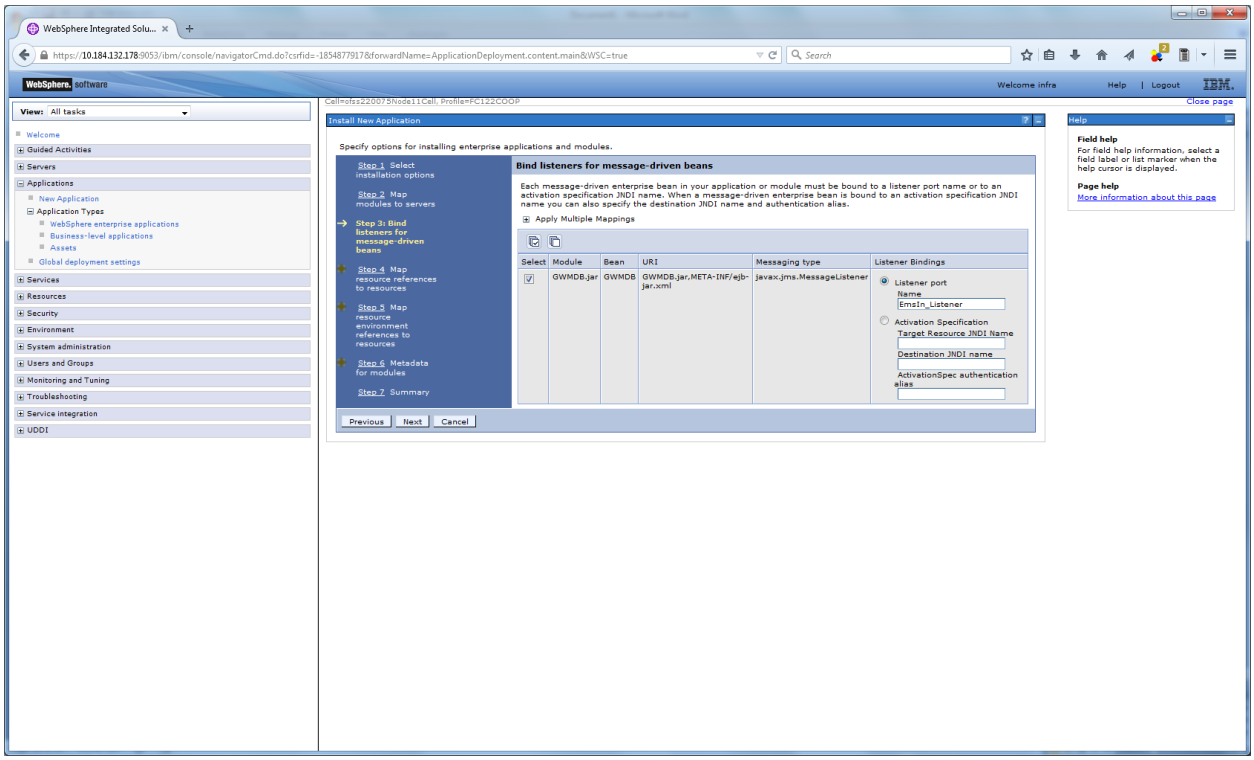
8. Click on next and the following screen is displayed.



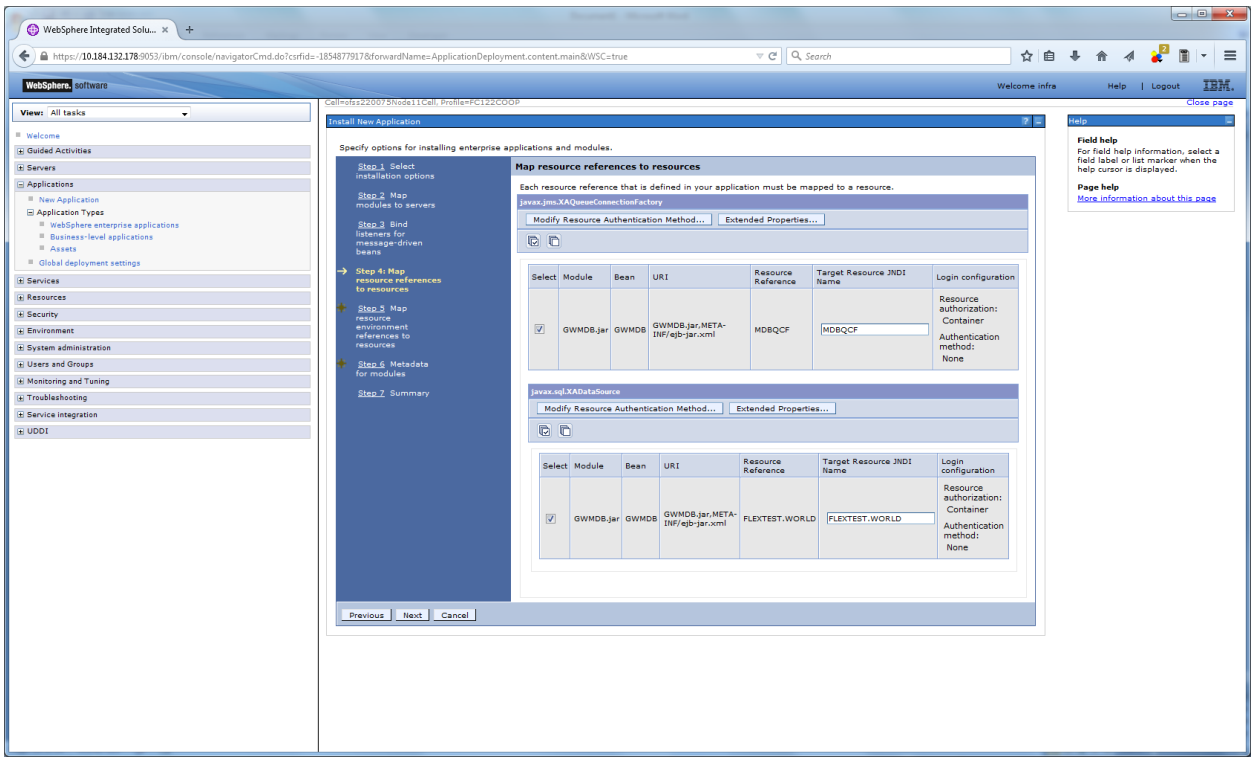
9. Click on next and the following screen is displayed.



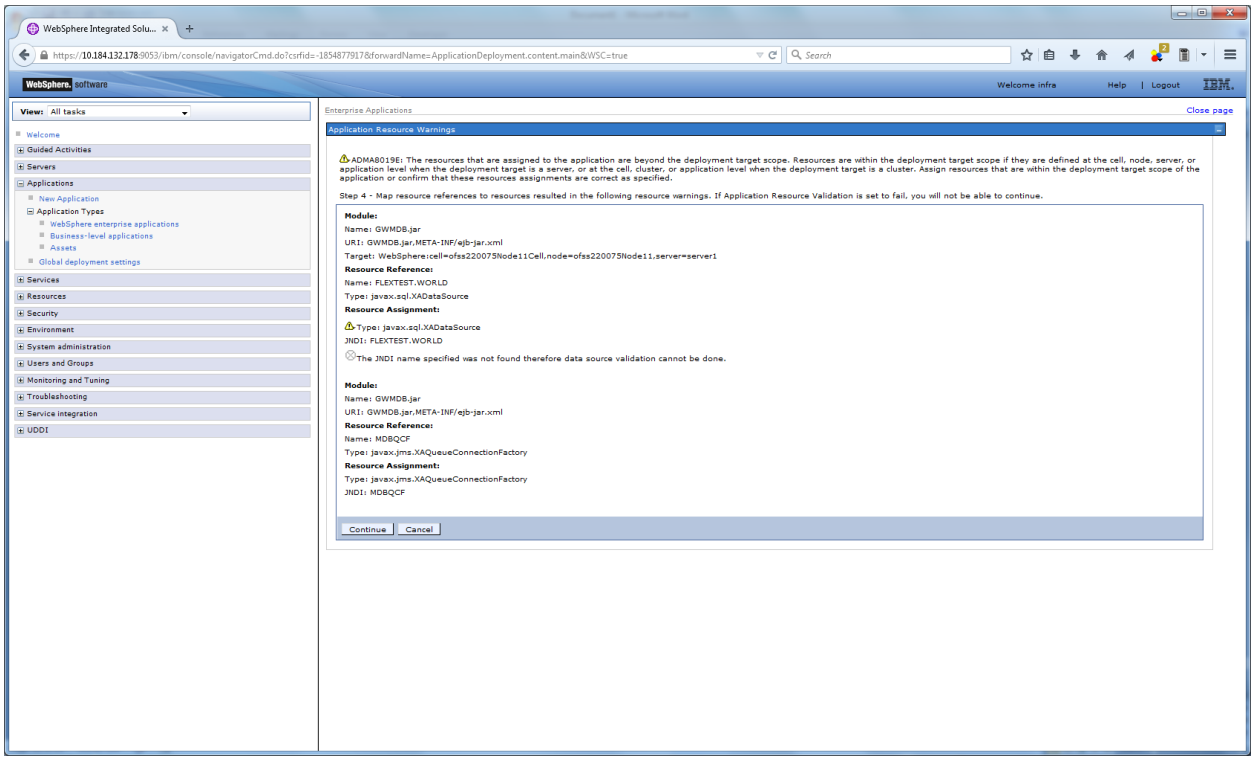
10. Click on next and the following screen is displayed.



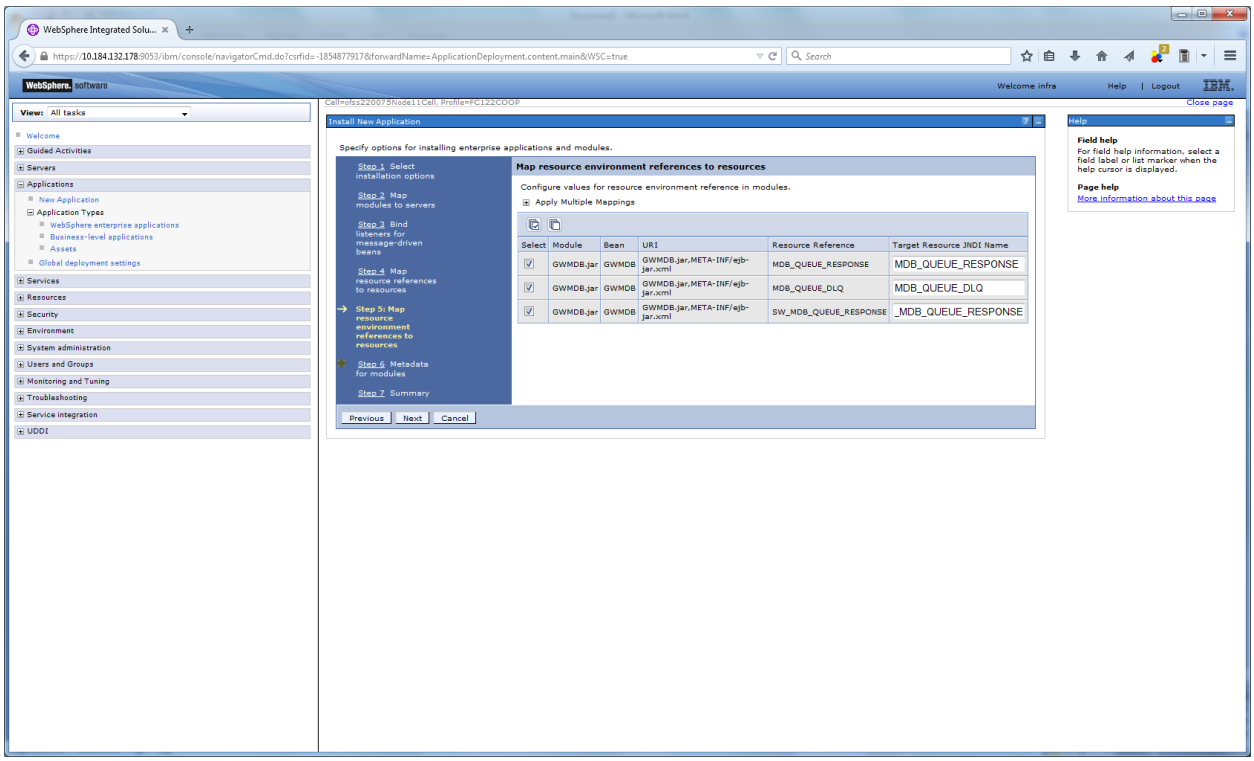
11. Input the listner name click next. Following screen is displayed.



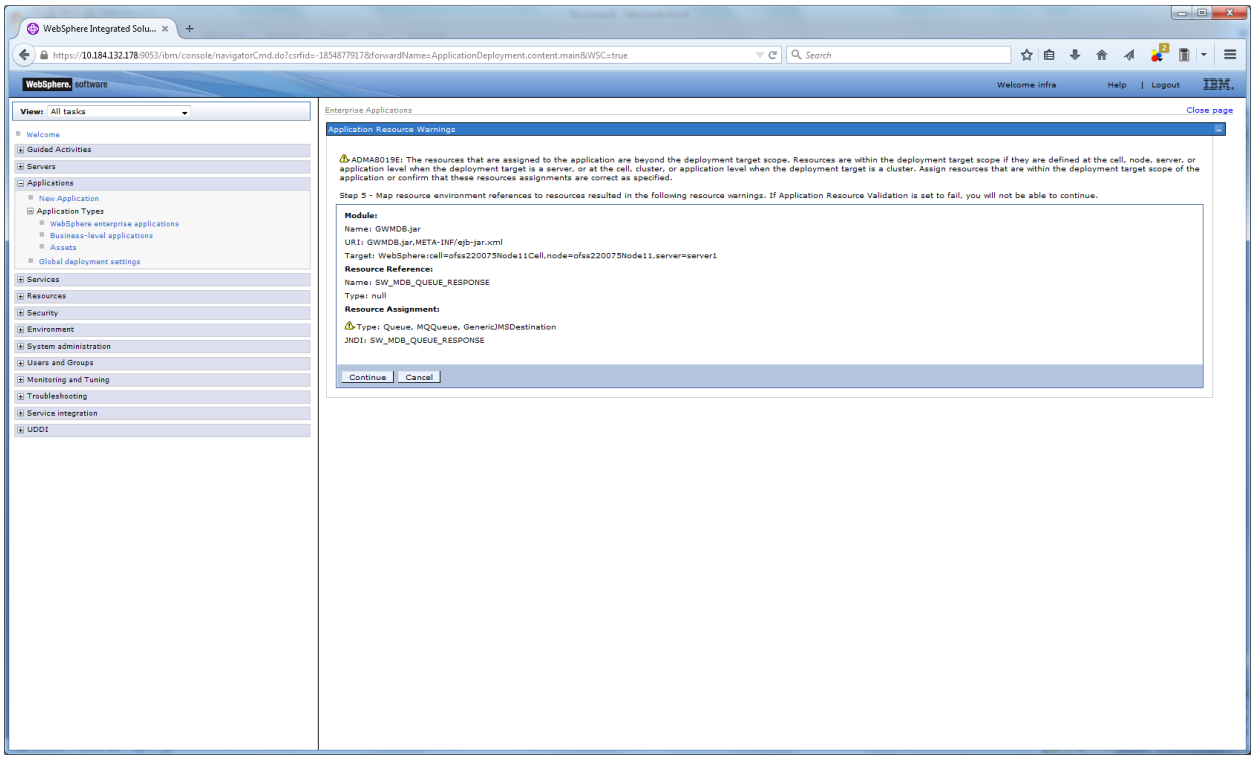
12. Enter the details as shown and click next.



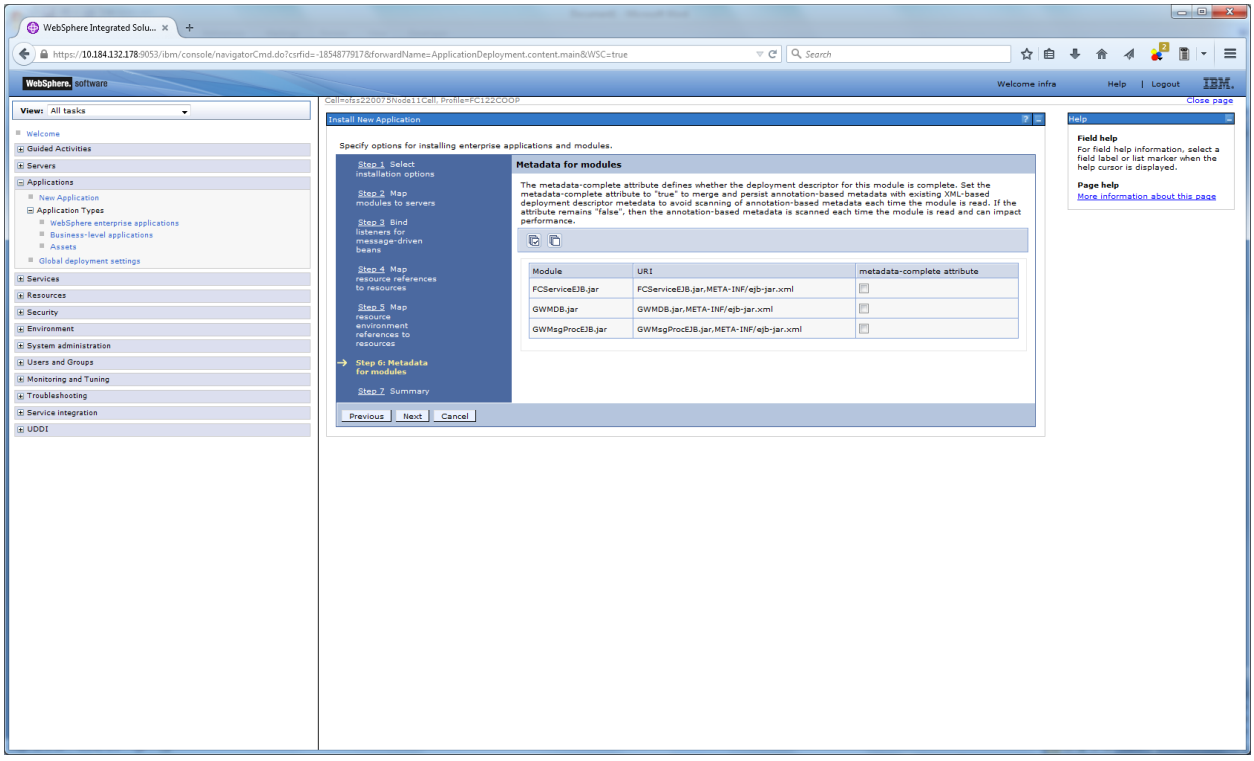
13. Click on continue and following screen is displayed.



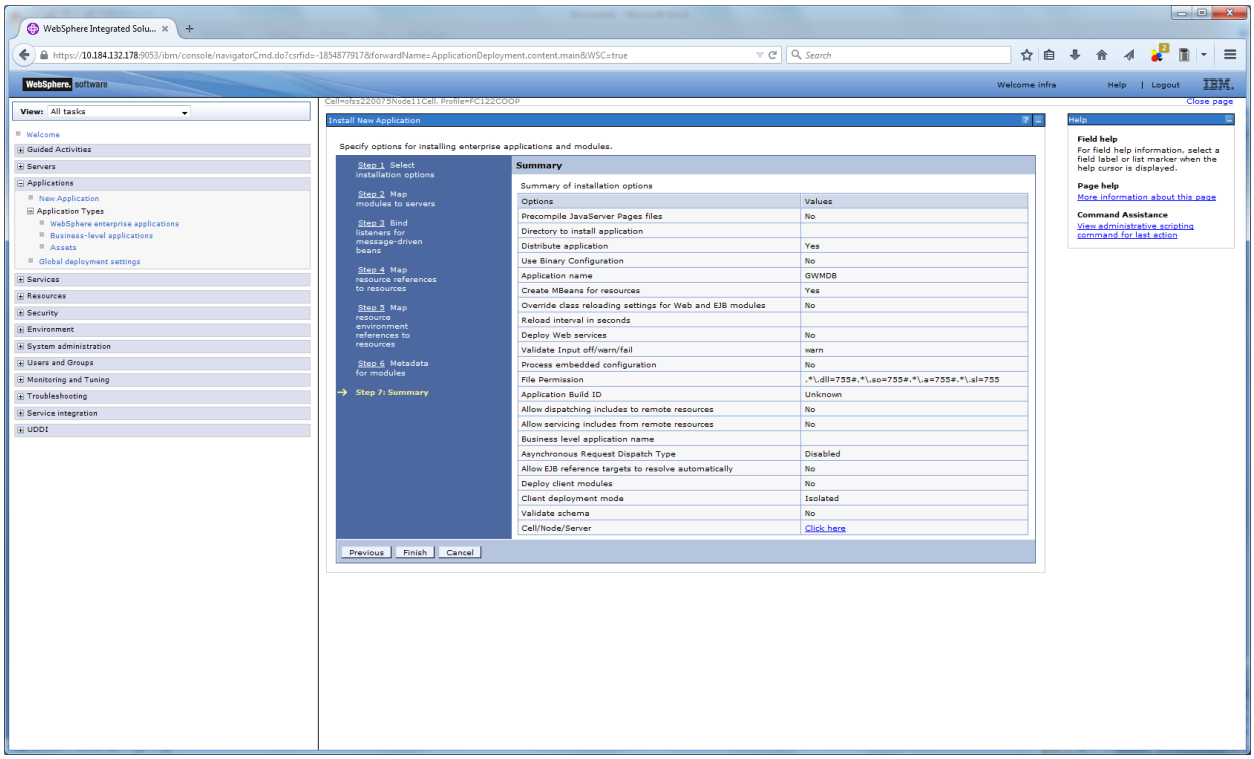
14. Give necessary details as shown and click next.



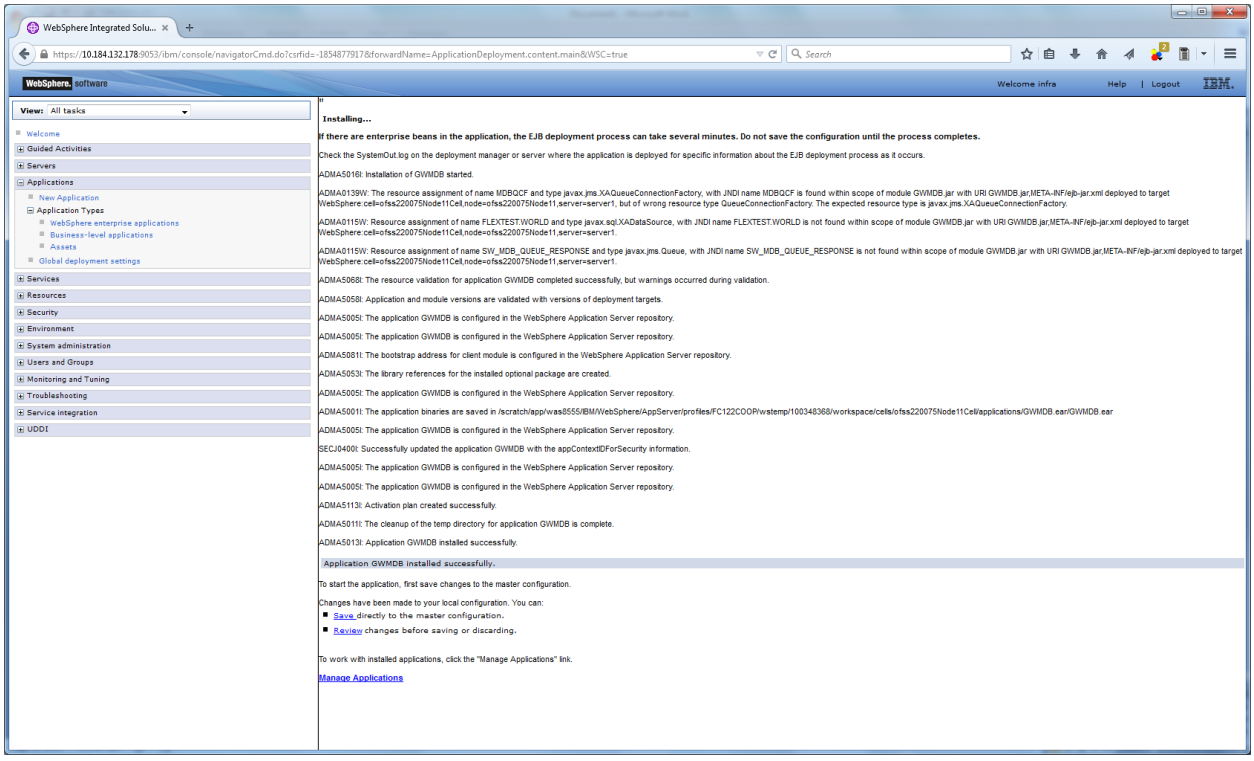
15. Click on continue and below screen is displayed.



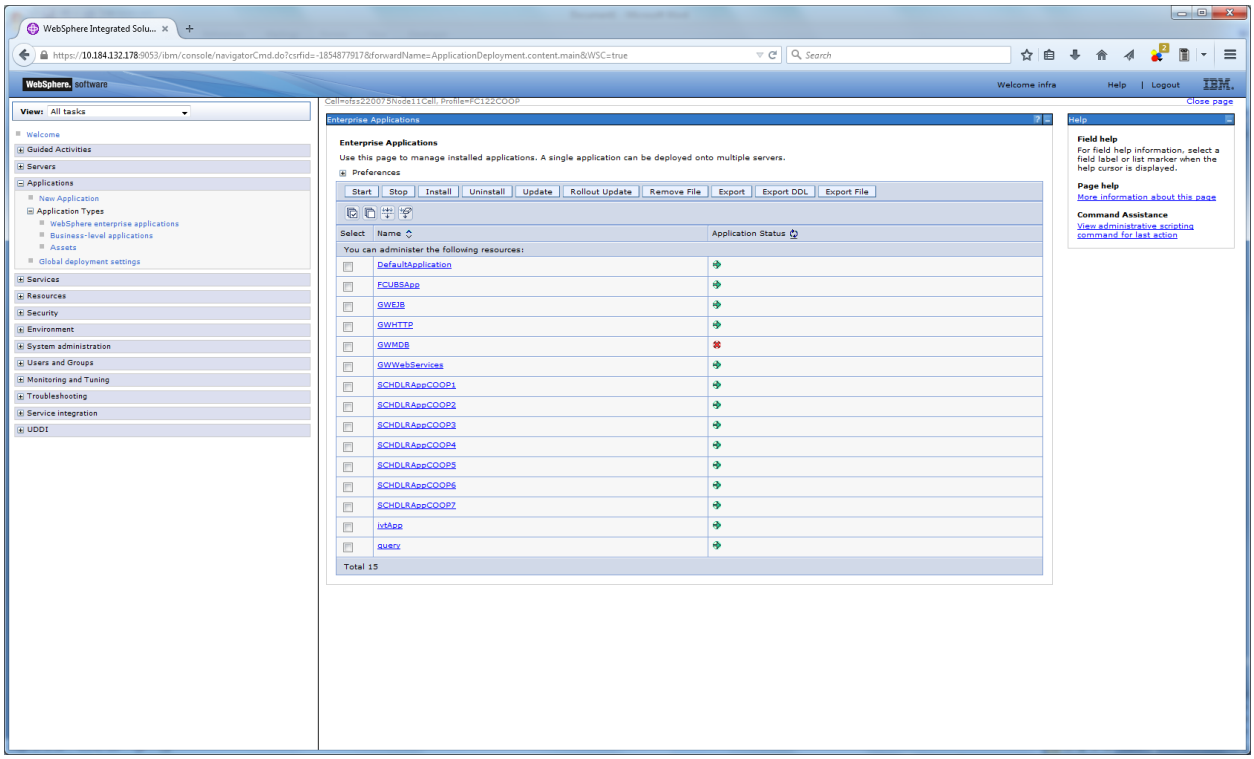
16. Click on next and following screen is displayed.



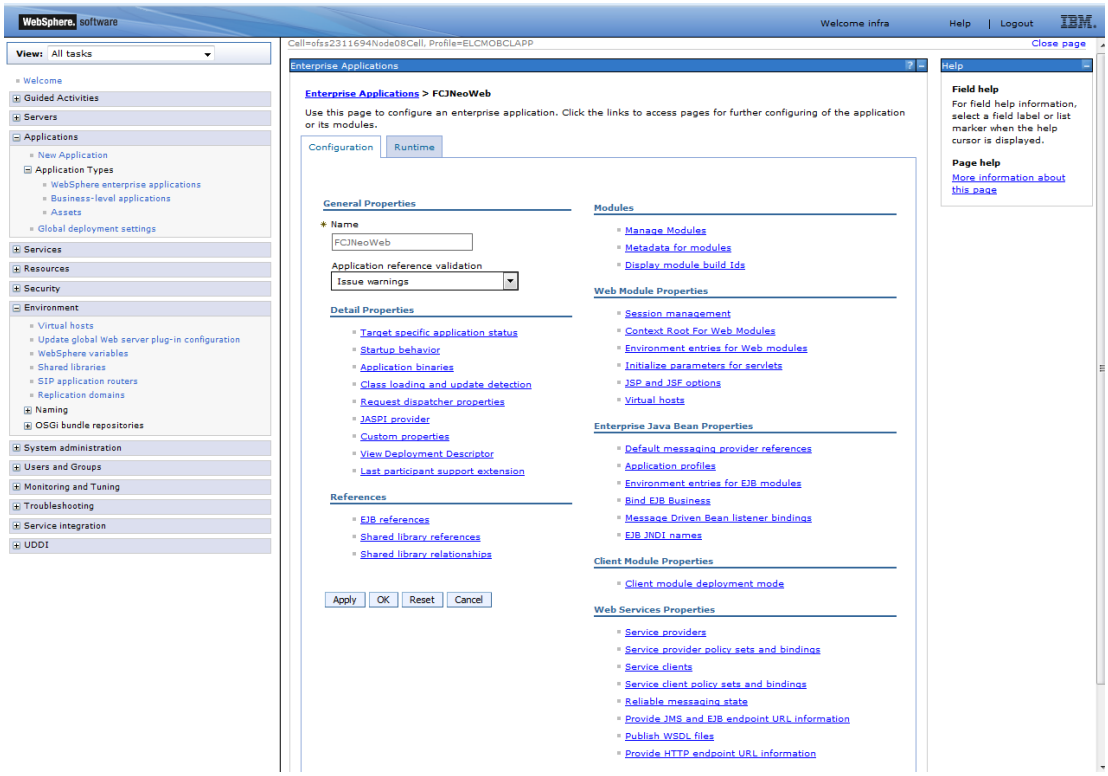
17. Click on Finish and following screen is displayed.



18. Click on save and following screen is displayed.

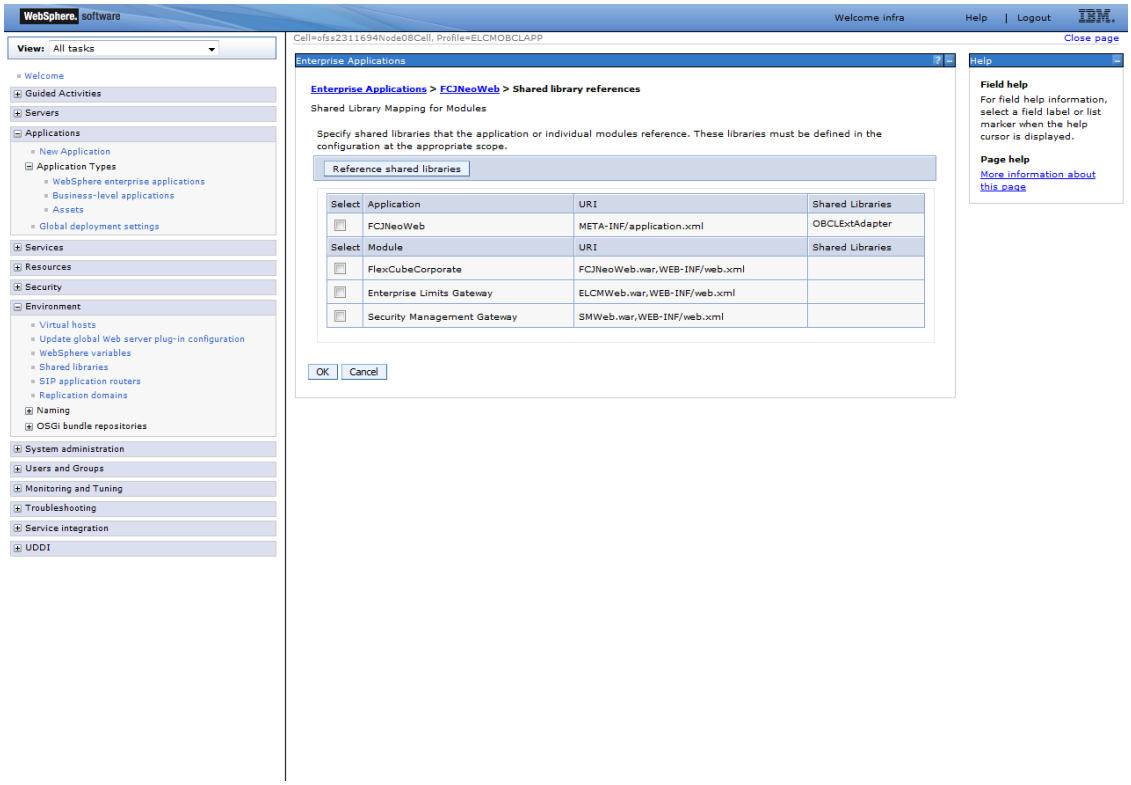


19. Click on installed FCUBS Application and the following screen is displayed.



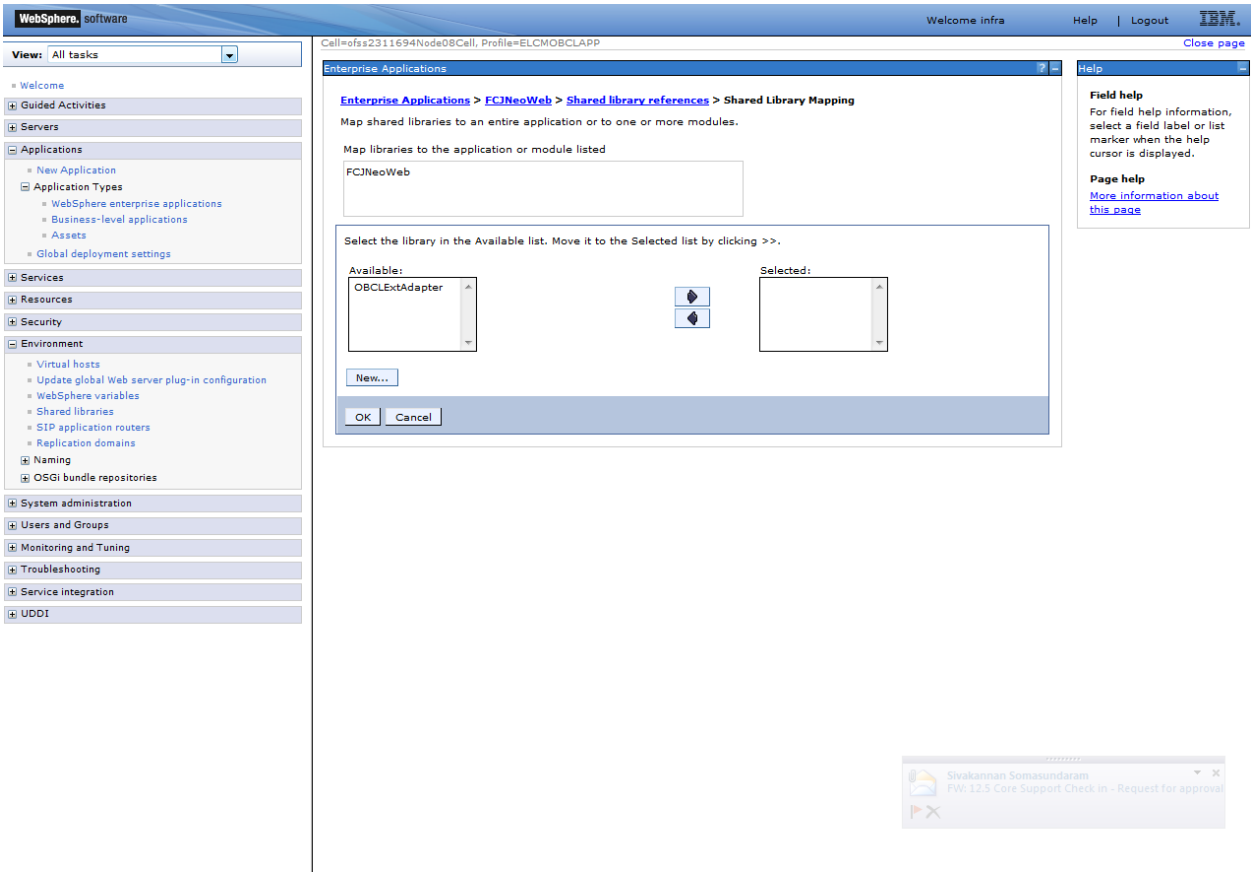
20. Click ‘Shared library references’ under ‘References’.

The following screen is displayed.



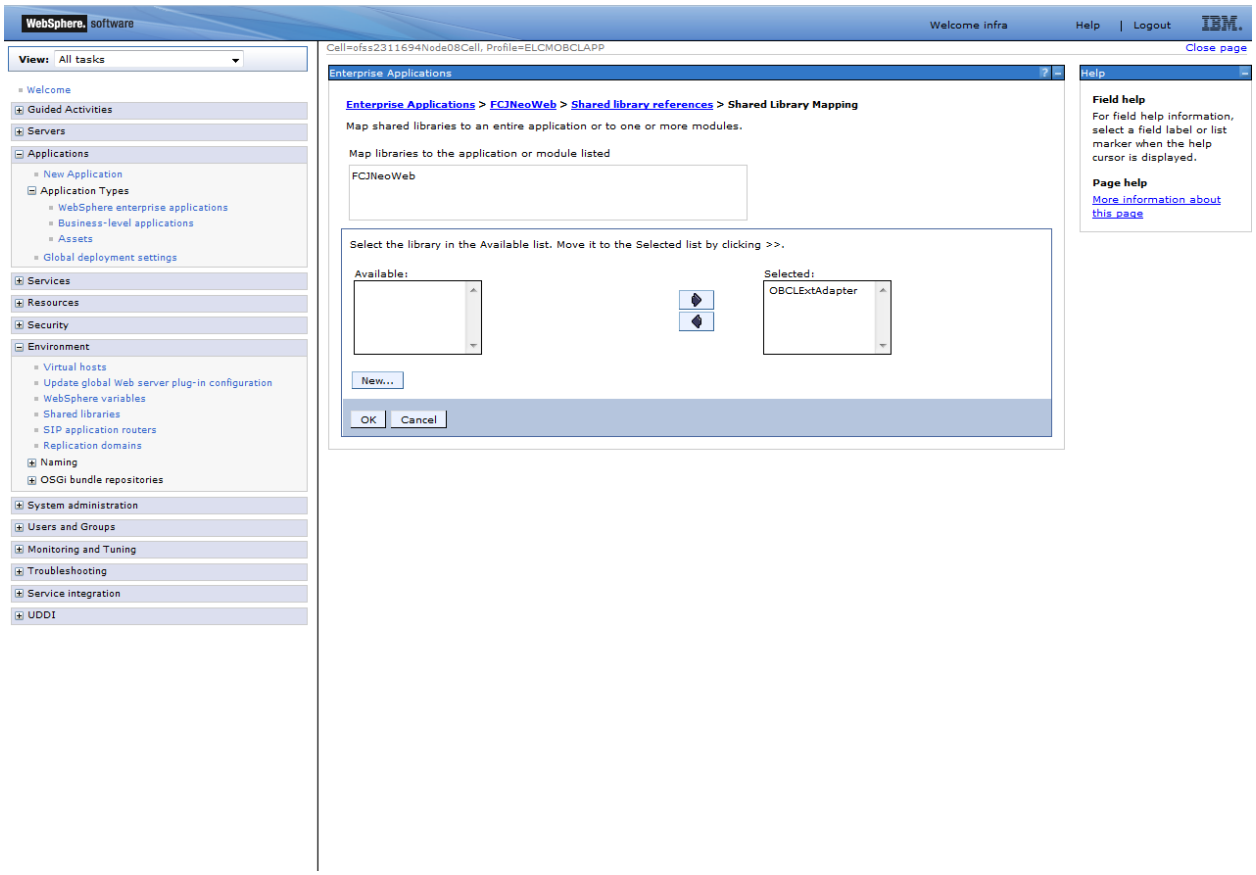
21. Select your Application and click ‘Reference Shared Library’.

    The following screen is displayed.

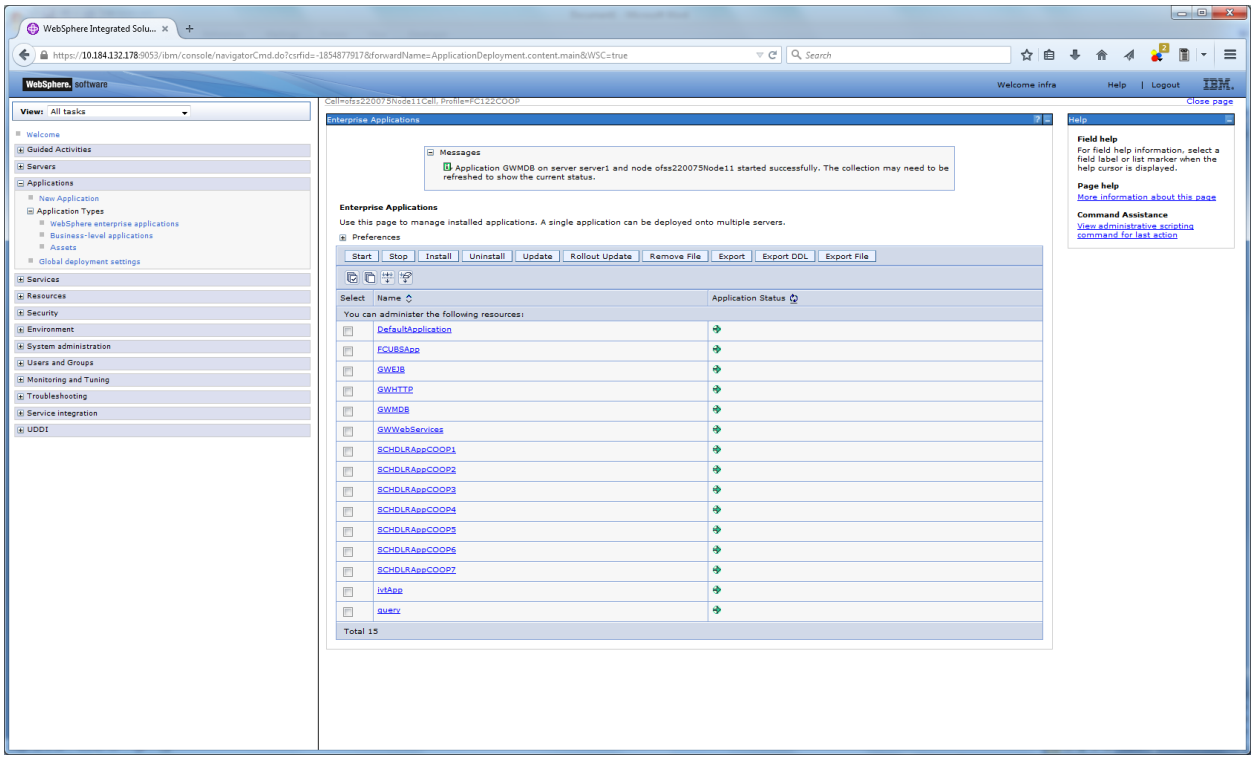


22. Click on right arrow button to add Available shared library reference.

    The following screen is displayed.



23. .Click ‘OK’ and ‘Save’ the changes.
24. Select the deployed EAR and click ‘Start’.



MDB EAR deployment is successfully finished.

1.2.7 FCUBS HTTP Application Deployment

To deploy Oracle FLEXCUBE UBS application on WebSphere application server, follow the steps given below:

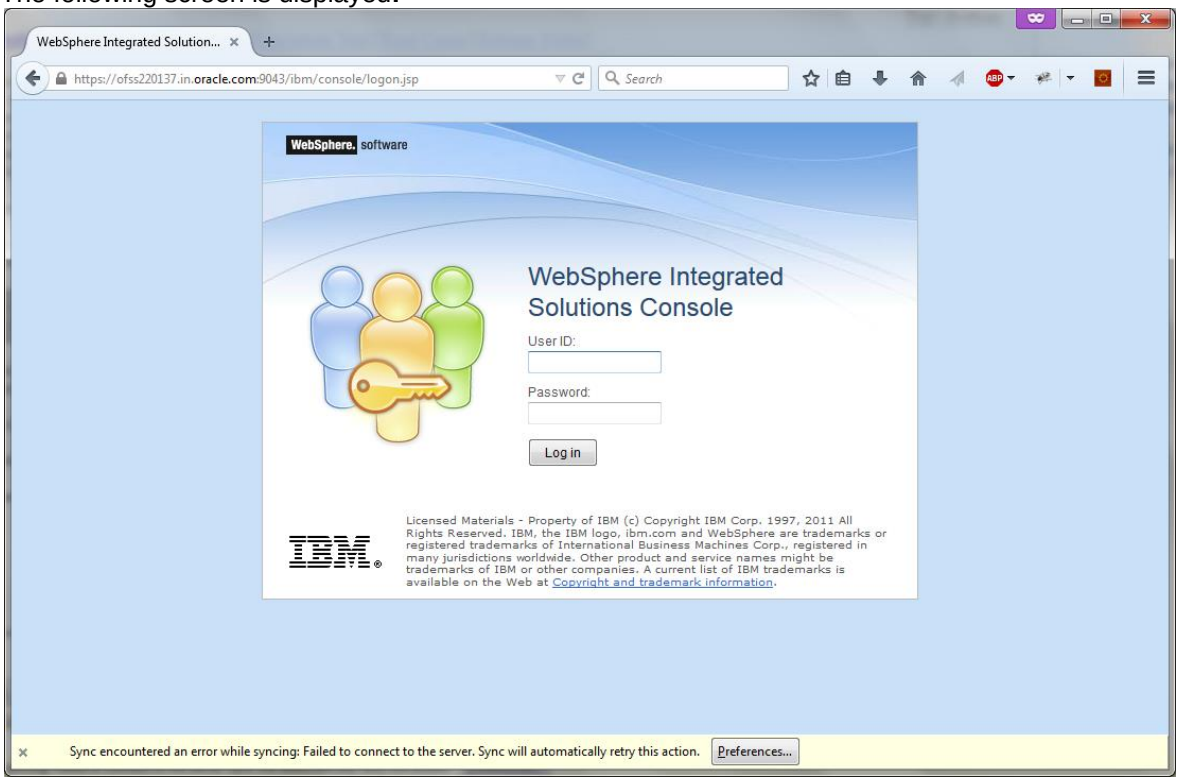
1. Open the Administrative Console of WebSphere server:

   Open an internet browser and type the WebSphere Admin Console URL http://{Host}:{Port}/console.

   Eg: https://10.10.10.10:1010/console

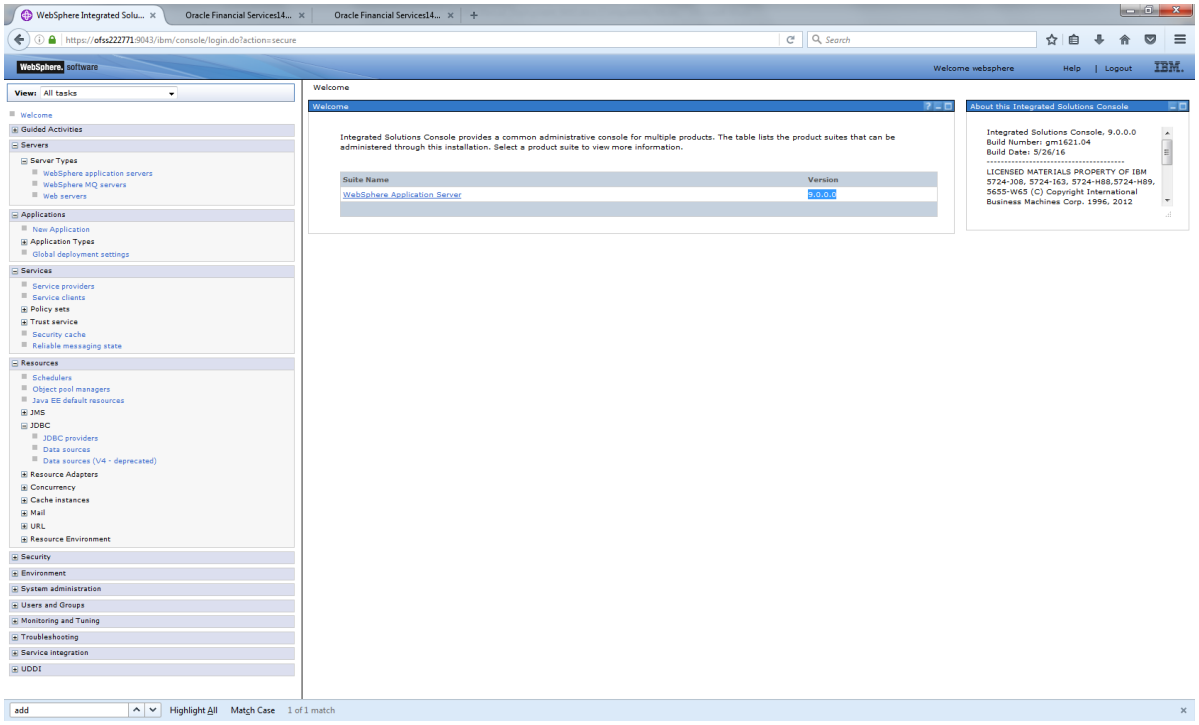
   In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



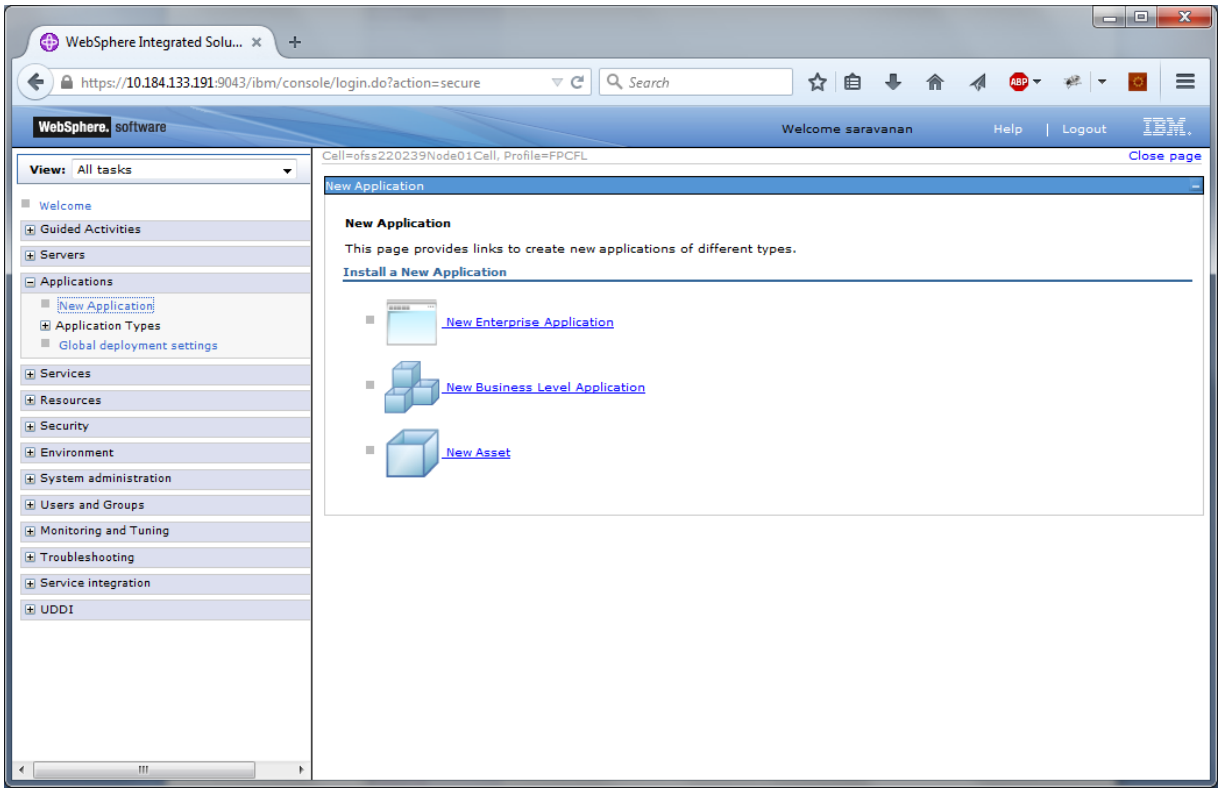
2. Enter the user name and password and click ‘Log In’ to log in to the application server.
3. Navigate to the WebSphere Home Page.

   The following screen is displayed.

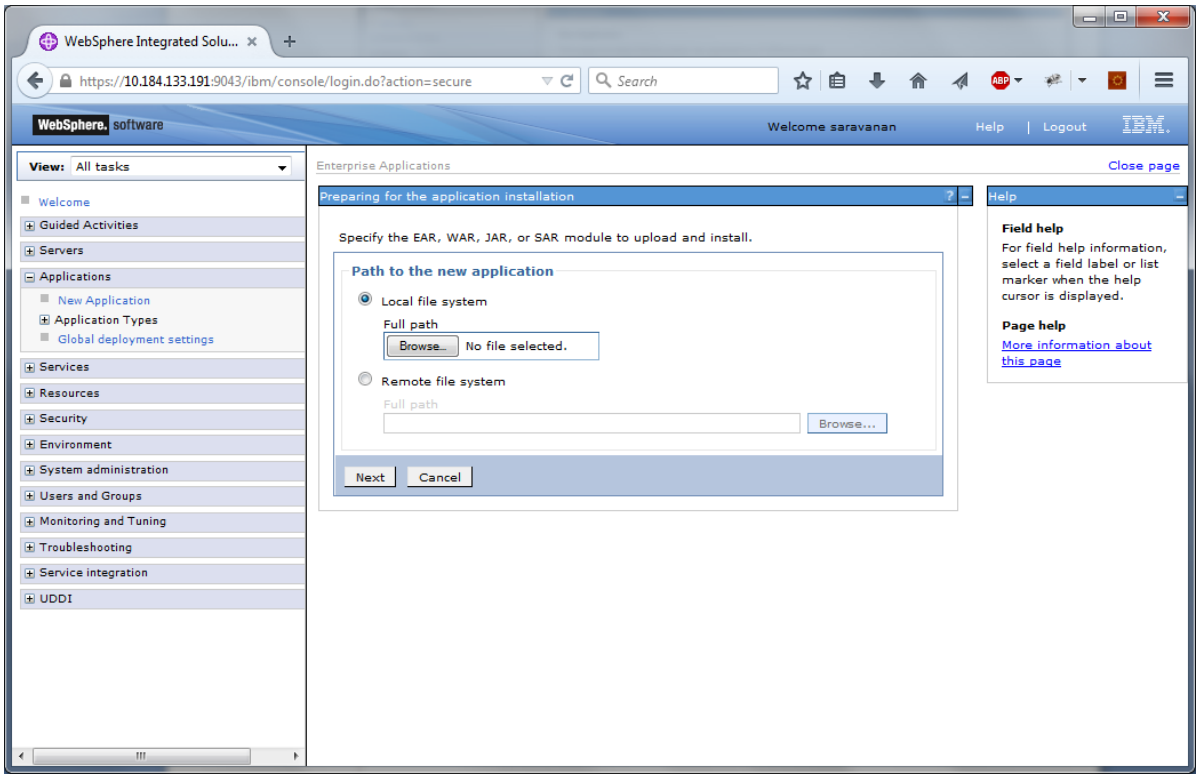


4. Expand Applications from left-side menu and Click ‘New Application’.

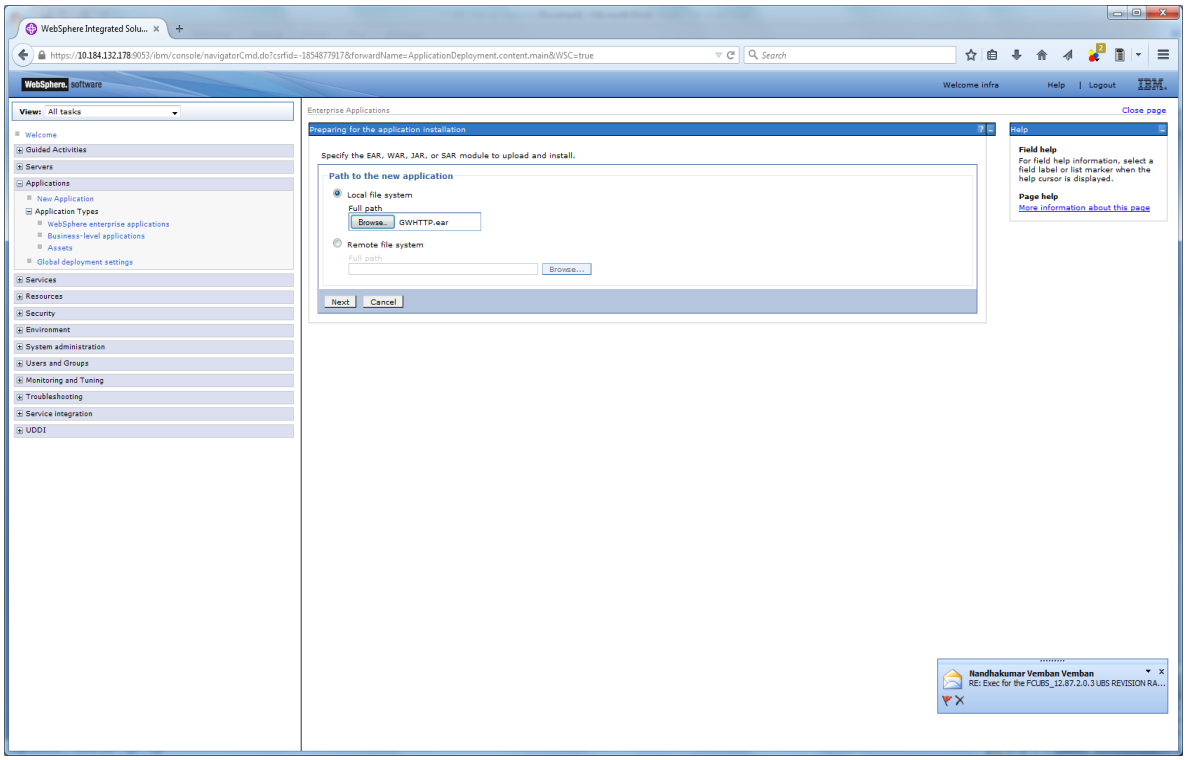
   The following screen is displayed.



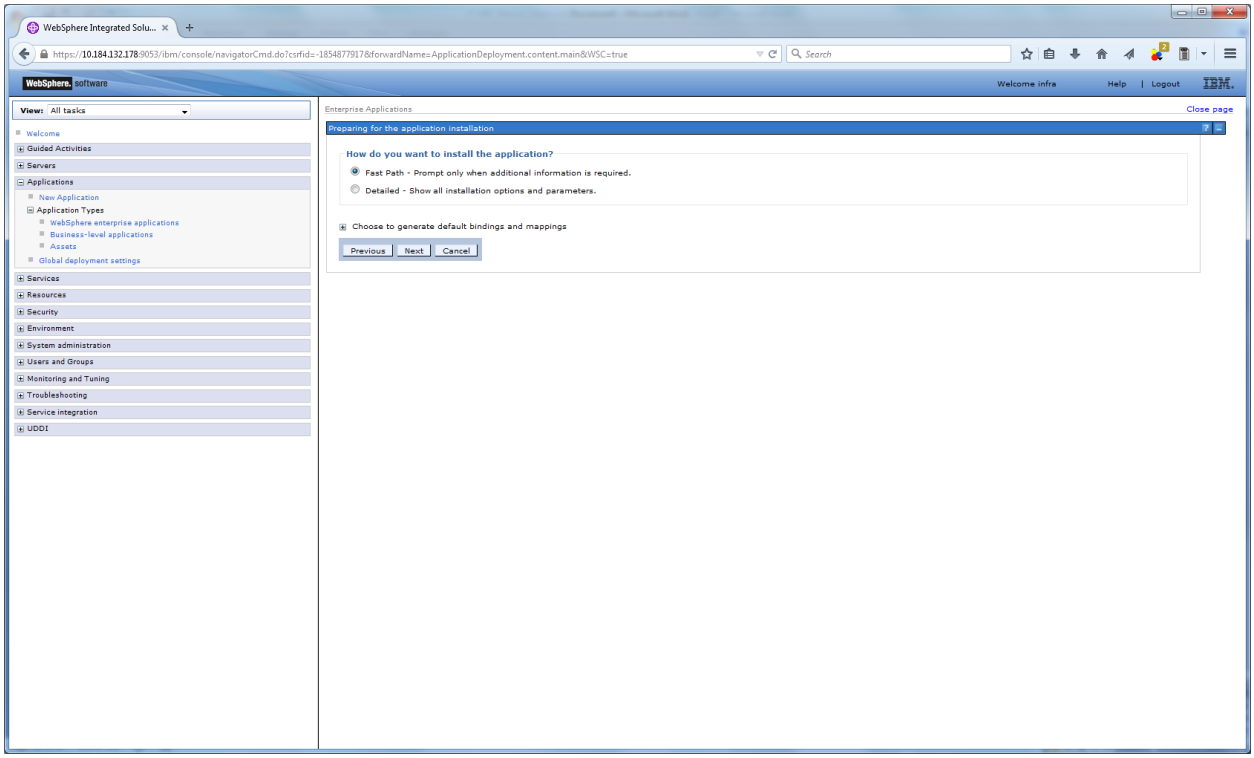
5. Click ‘New Enterprise Application.



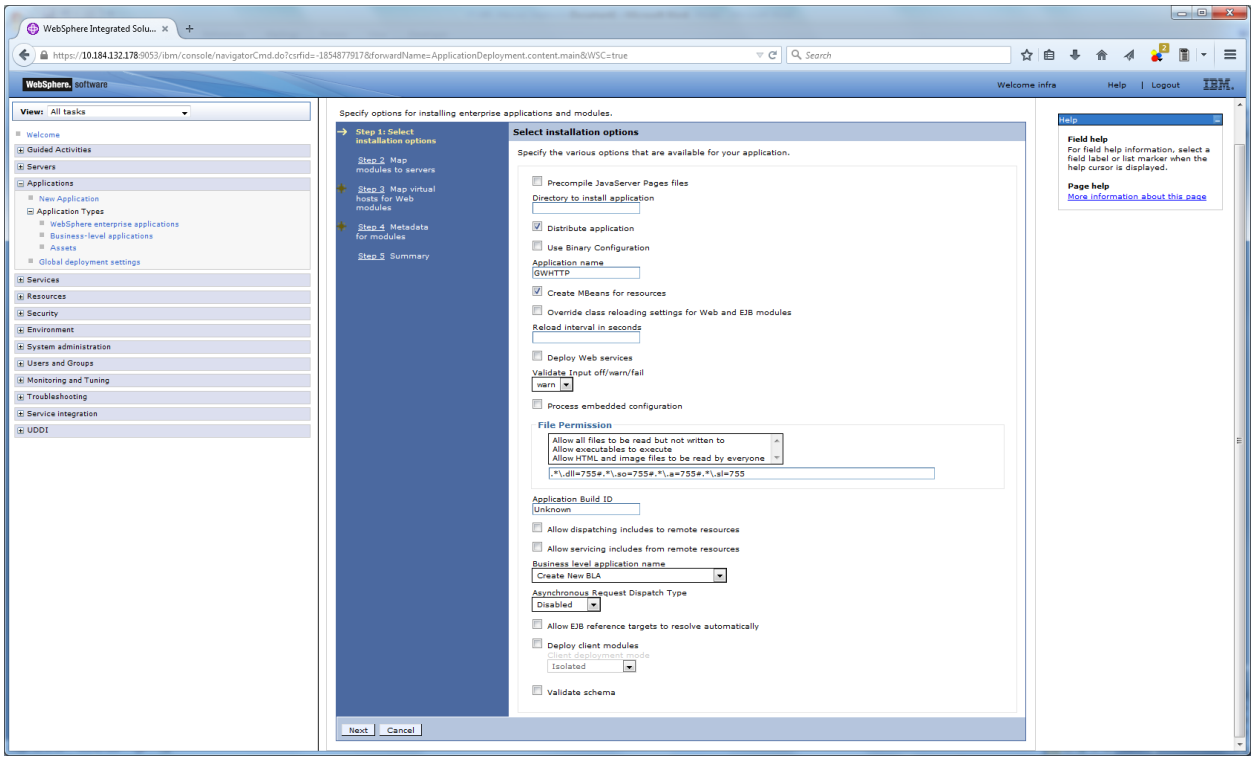
6. Browse the application EAR file and click next button



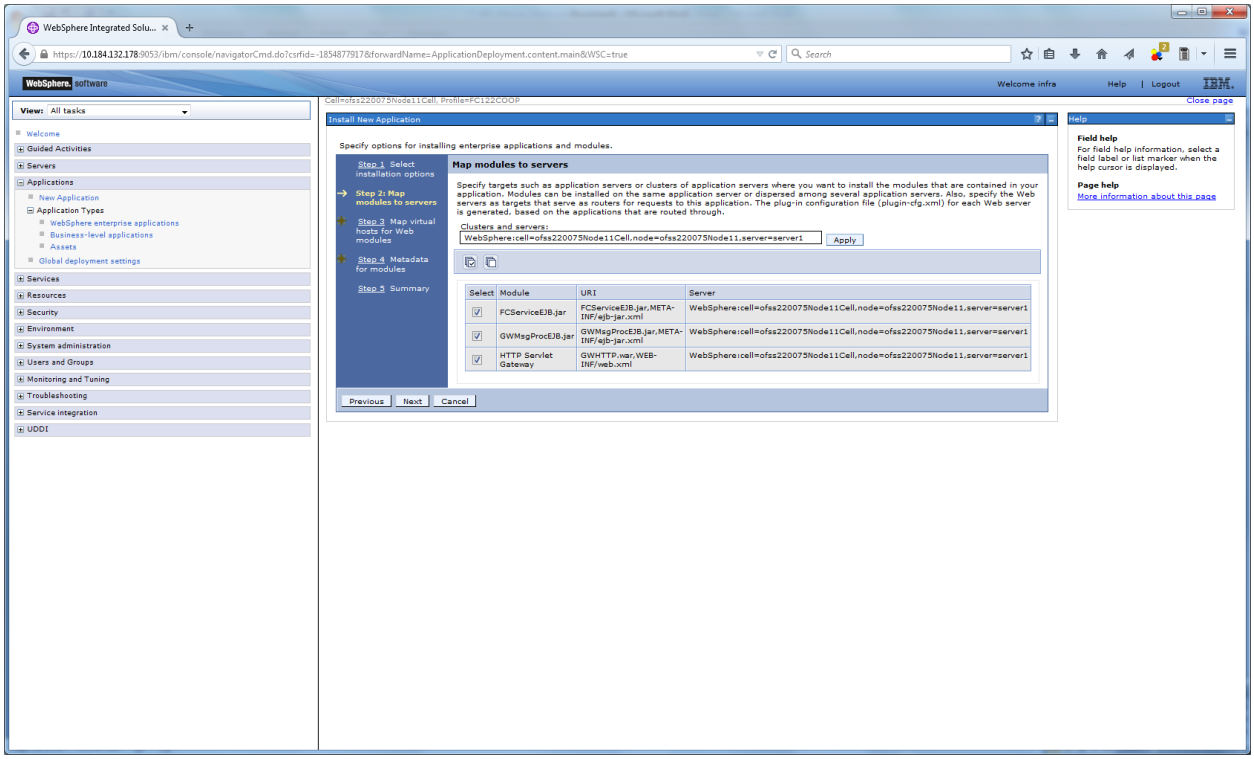
7. Click next and the following screen is displayed.



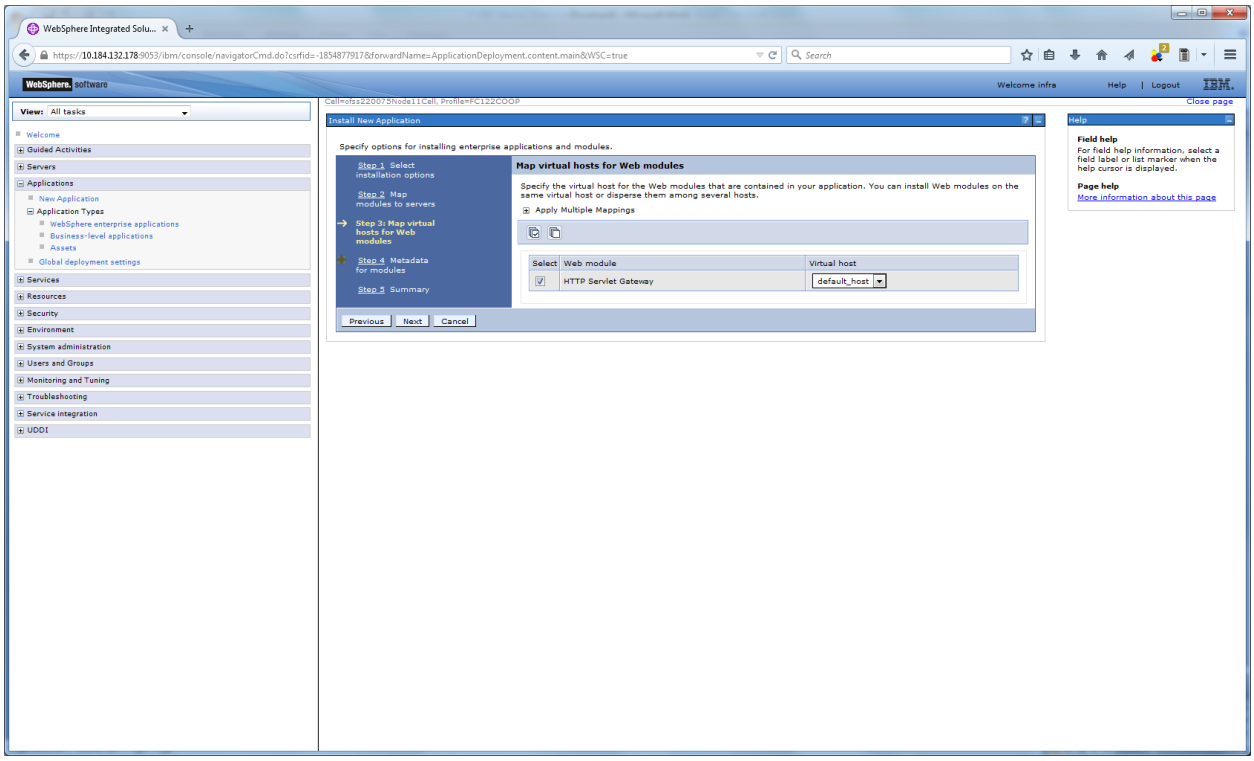
8. Click next and the following screen is displayed.



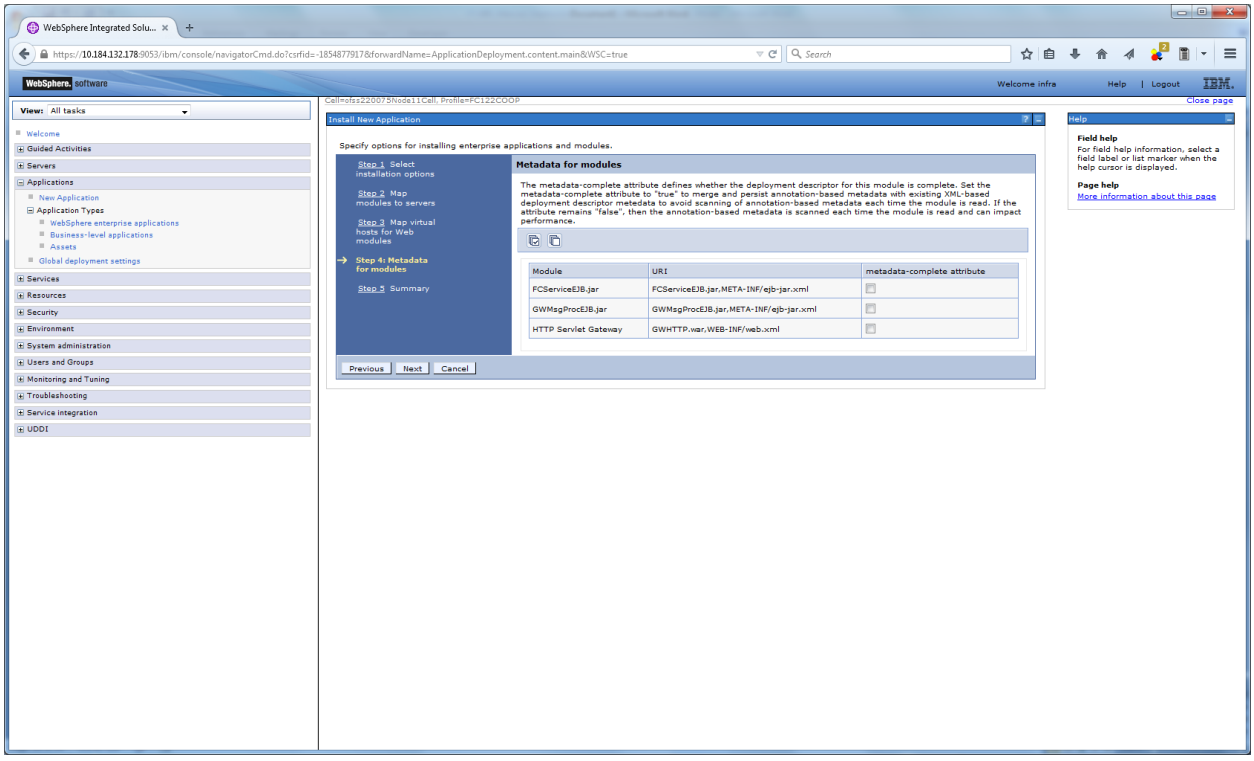
9. Click next and the following screen is displayed.



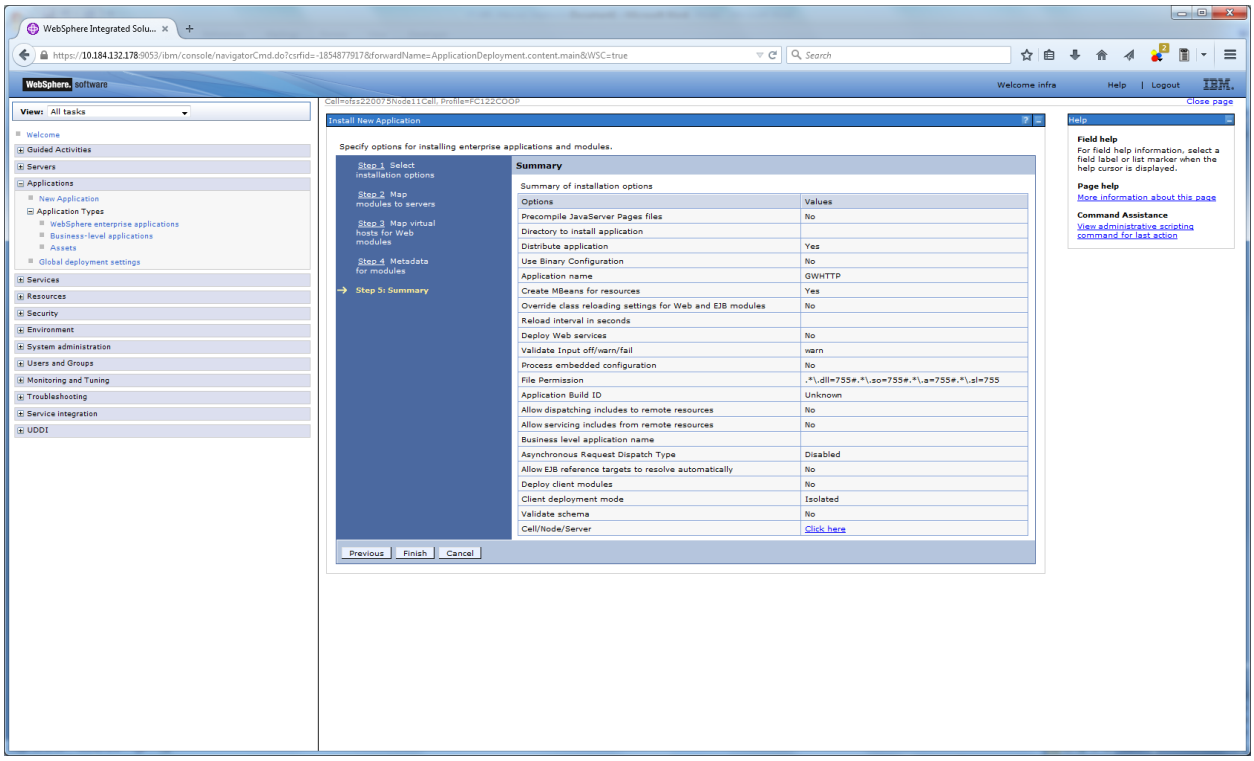
10. Click next and the following screen is displayed.



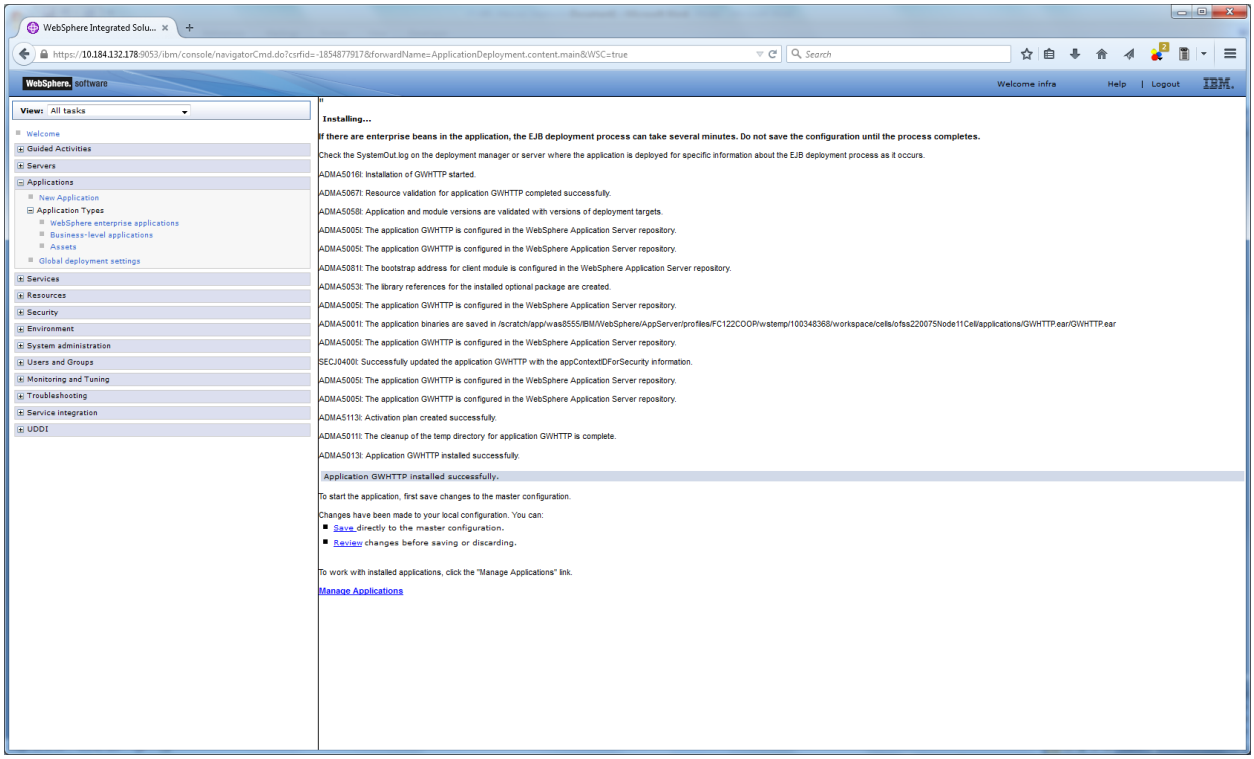
11. Click next and the following screen is displayed.



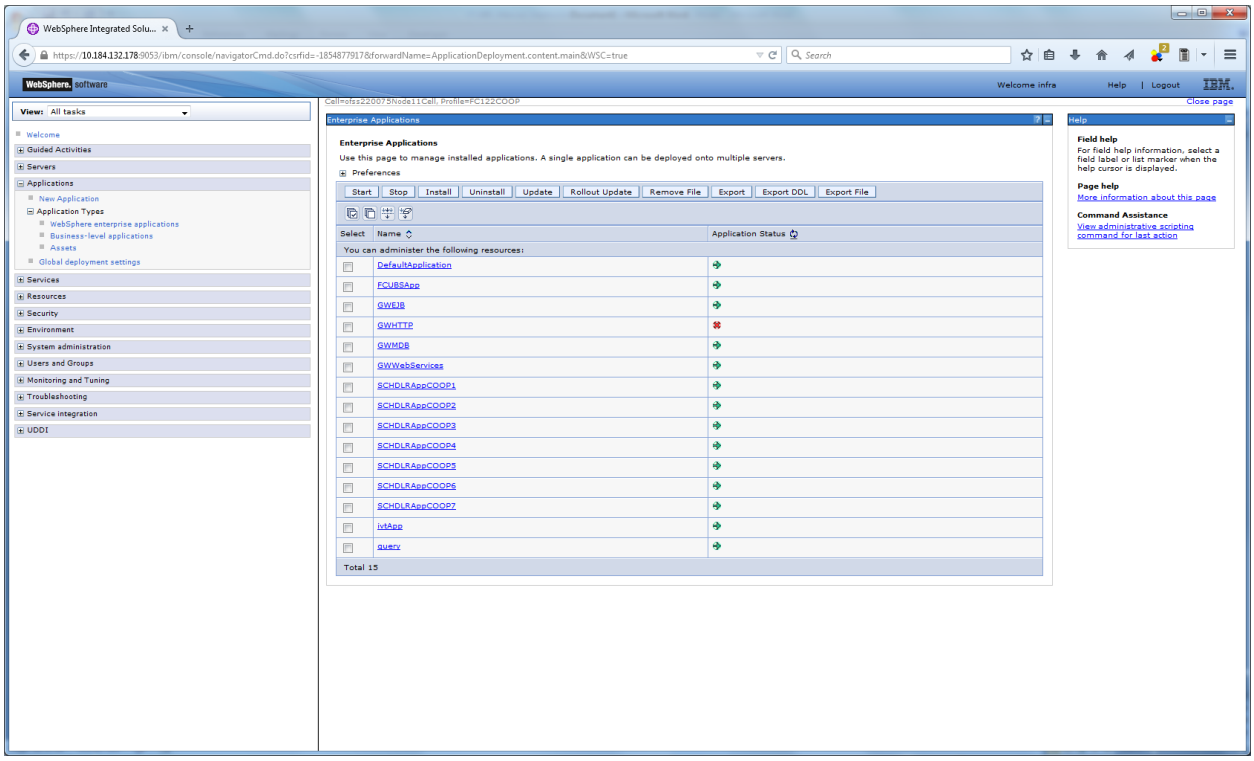
12. Click next and the following screen is displayed.



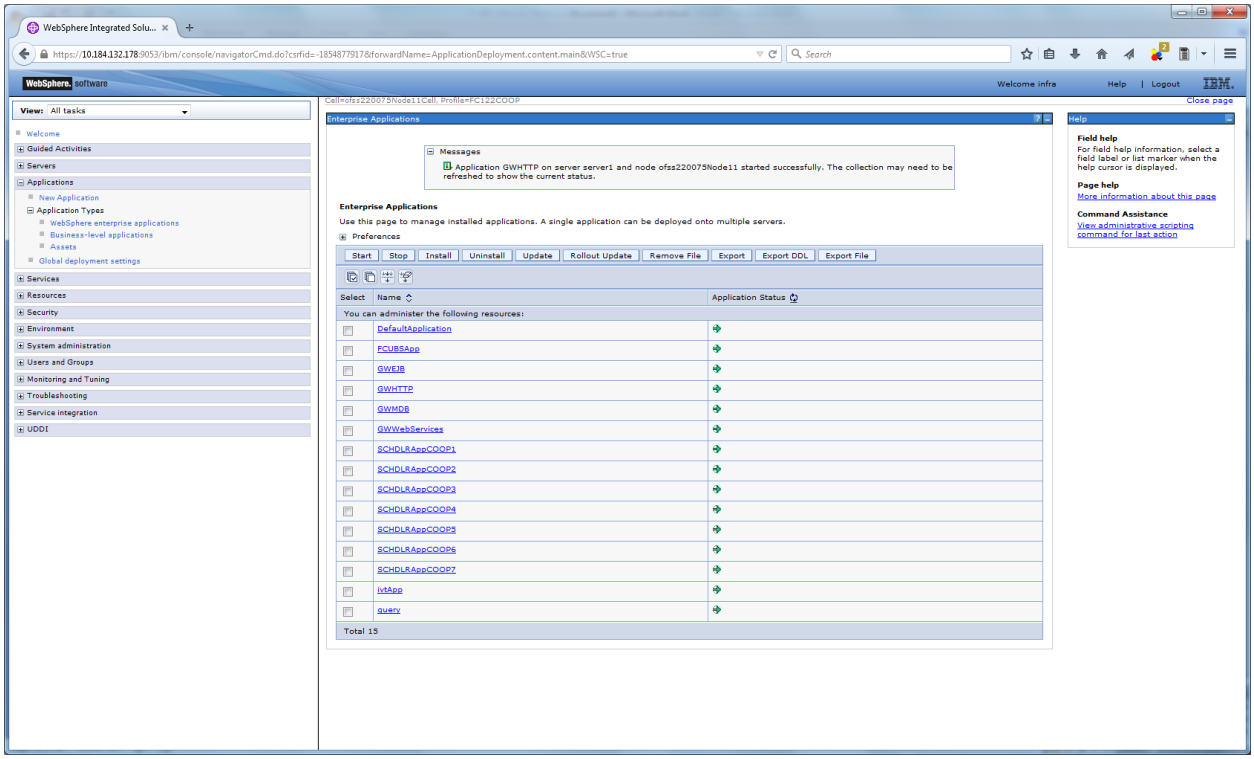
13. Click on finish and the following screen is displayed.



14. Click on save and the following screen is displayed.



15. Select the installed application and click on start.



GWHTTP application has been deployed successfully.

1.2.8 FCUBS GWWebServices Application Deployment

To deploy Oracle FLEXCUBE UBS application on WebSphere application server, follow the steps given below:

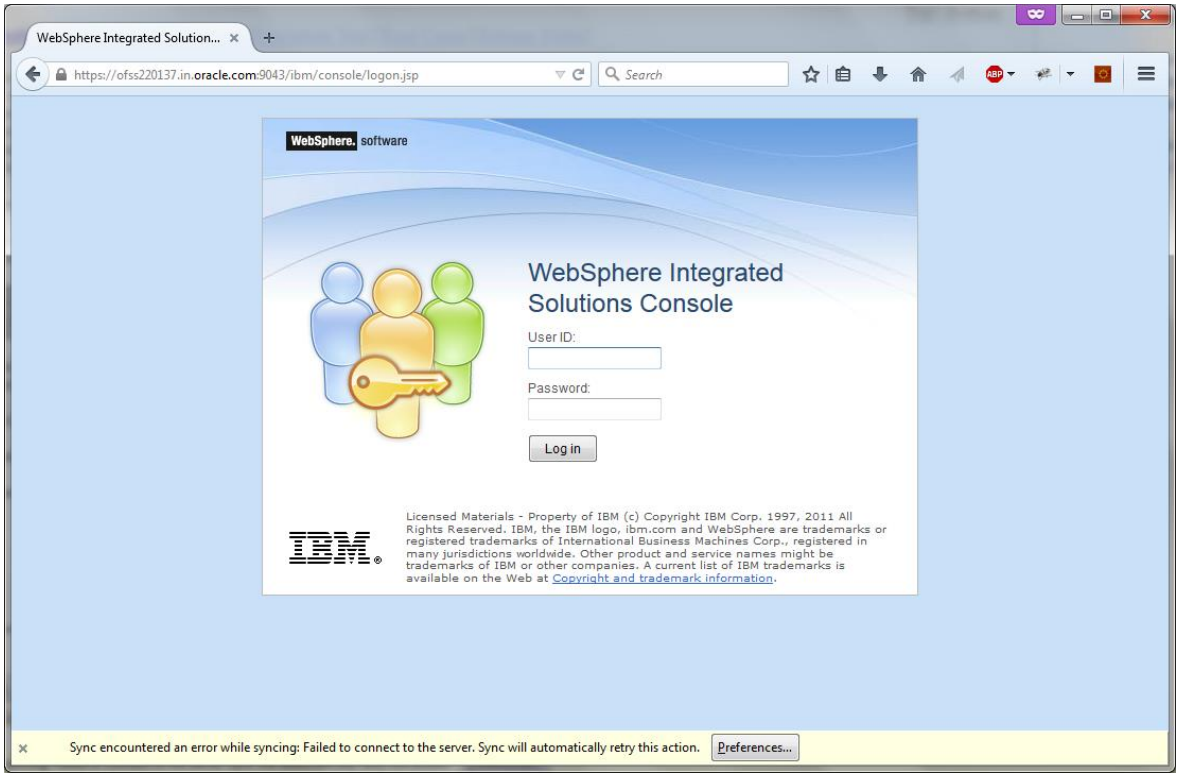
1. Open the Administrative Console of WebSphere server:

   Open an internet browser and type the WebSphere Admin Console URL http://{Host}:{Port}/console.

   Eg: https://10.10.10.10:1010/console

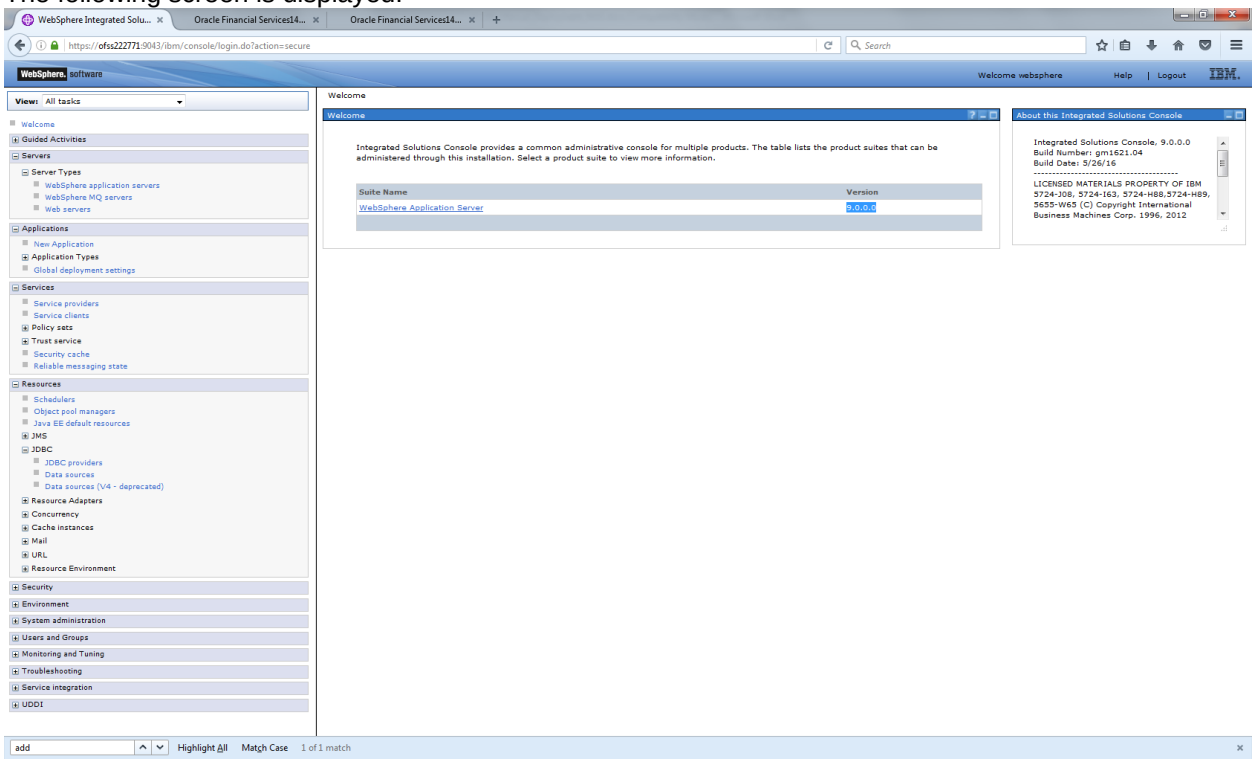
   In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

   The following screen is displayed**:**



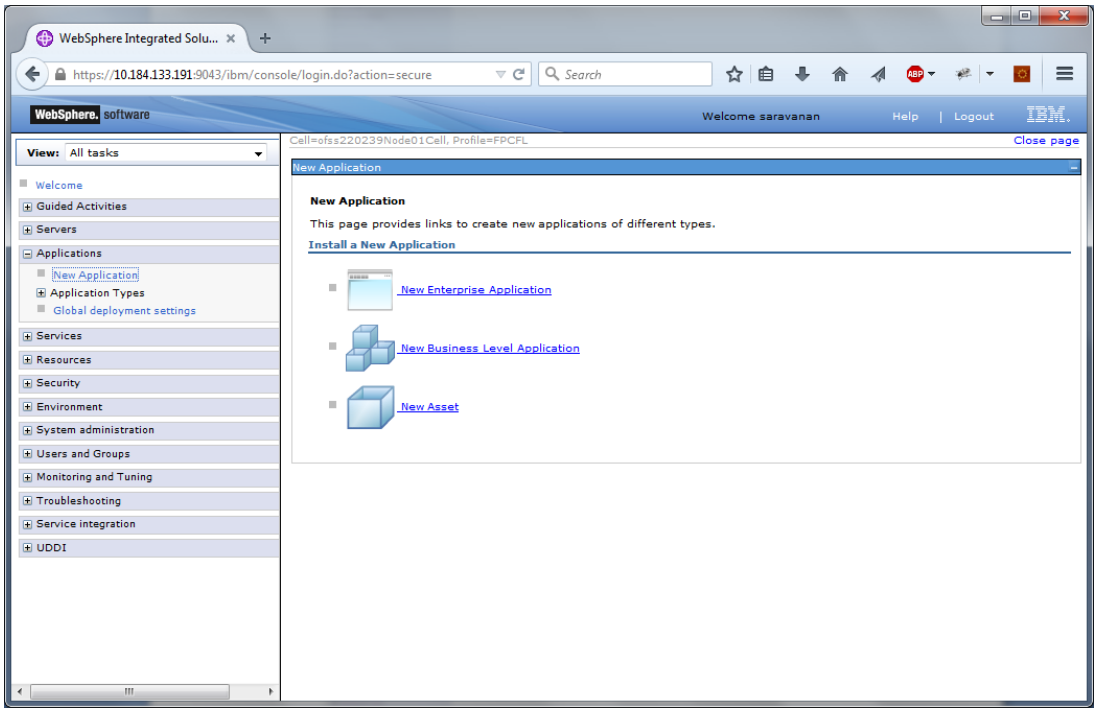
2. Enter the user name and password and click ‘Log In’ to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

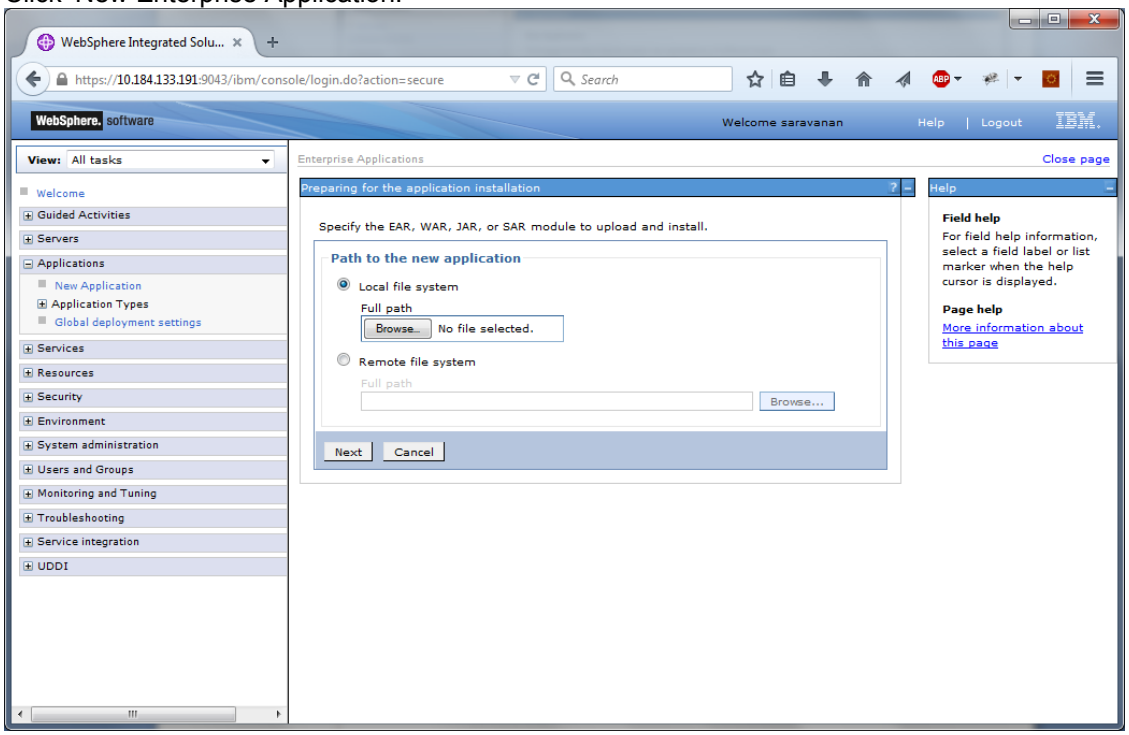


4. Expand Applications from left-side menu and Click ‘New Application’.

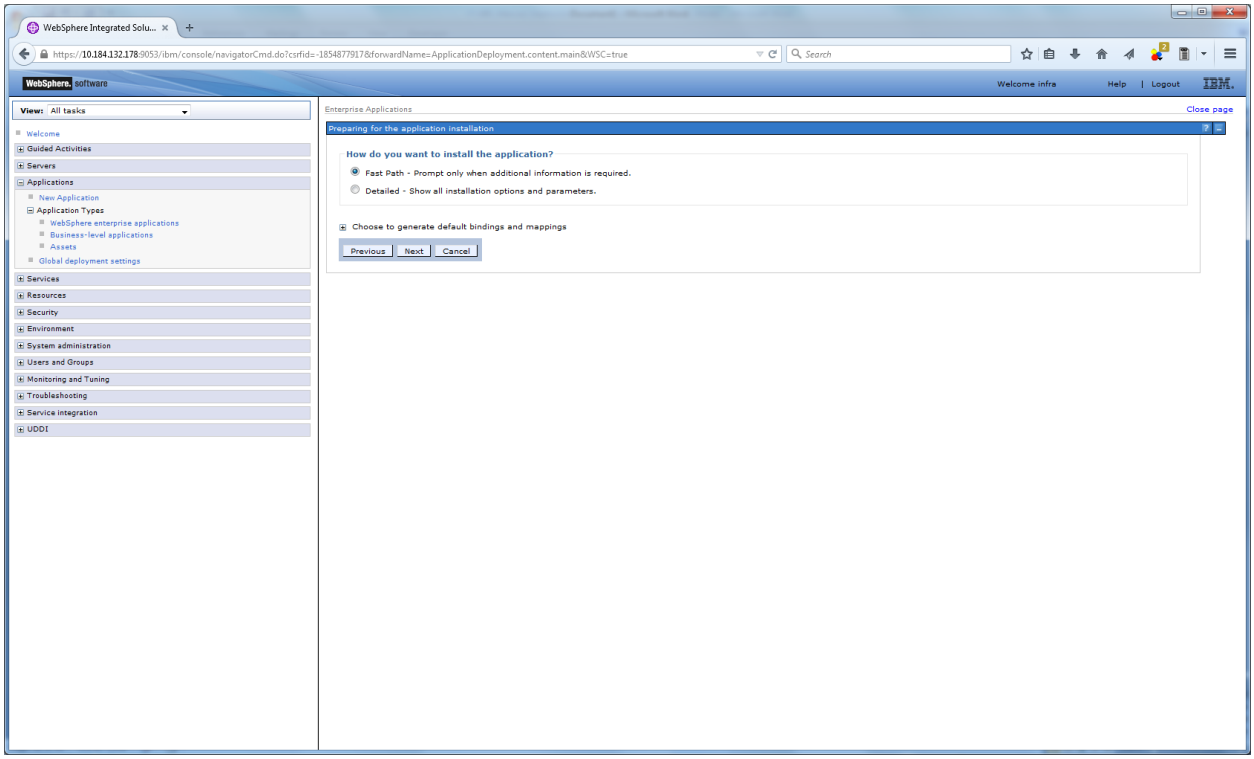
The following screen is displayed.



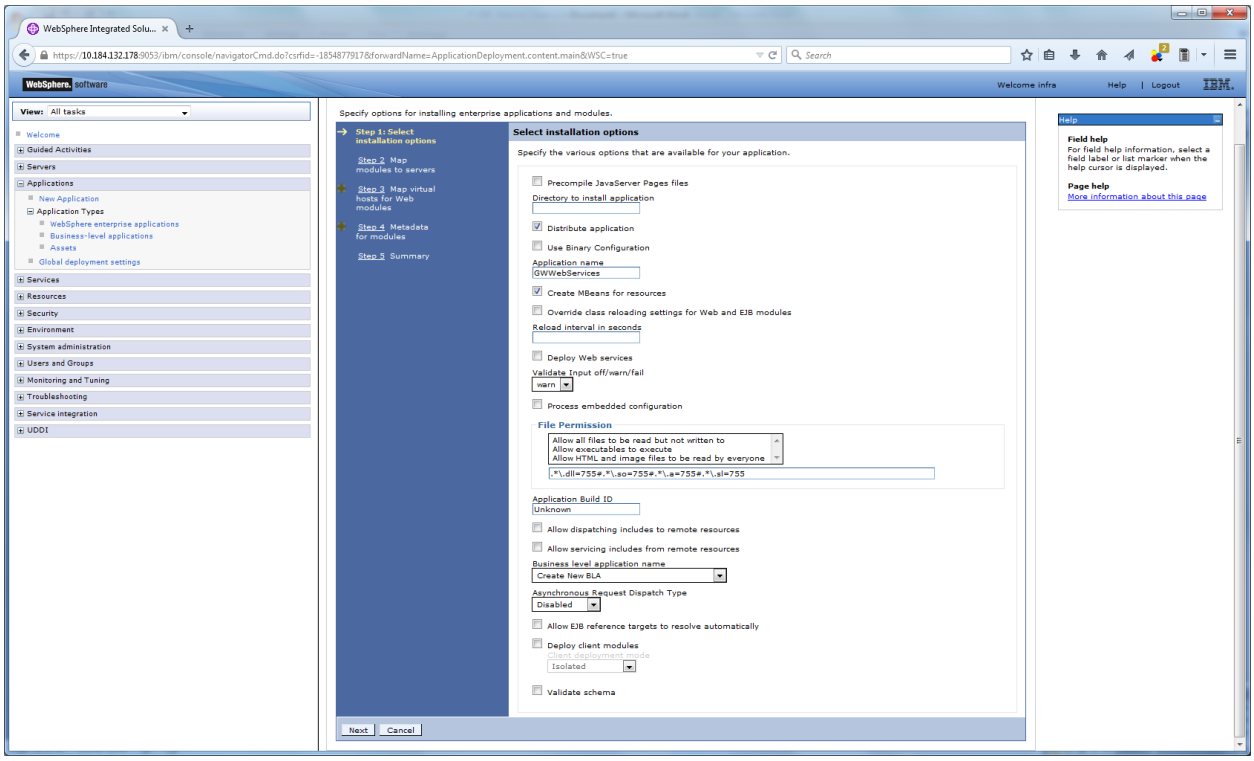
5. Click ‘New Enterprise Application.



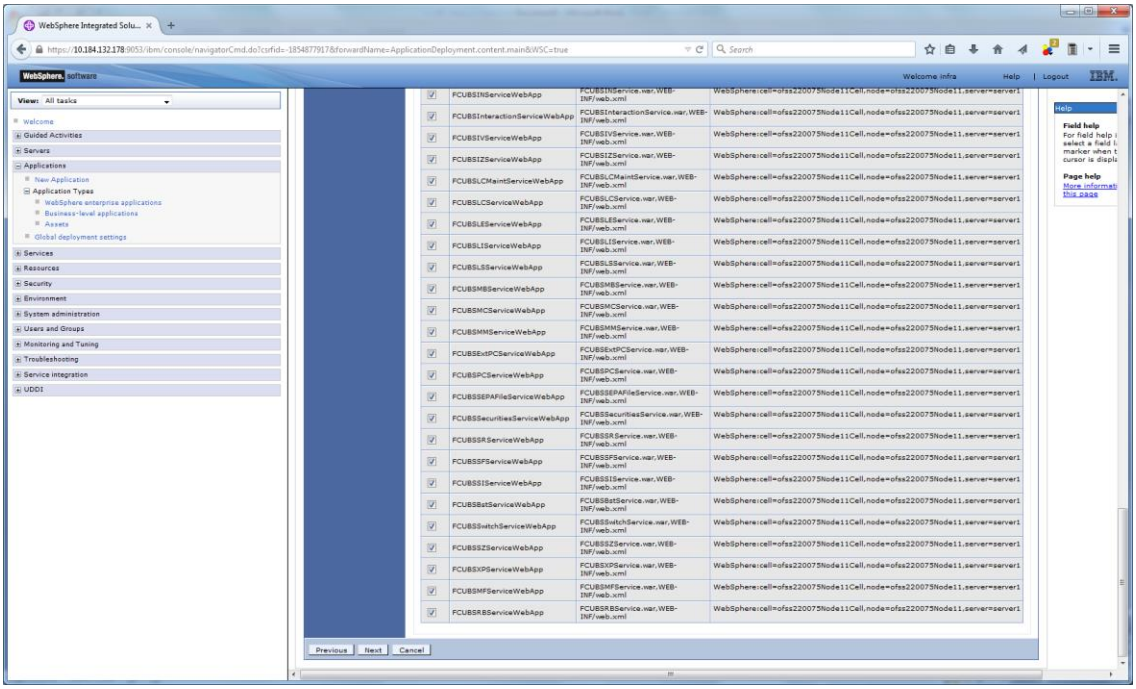
6. Browse the application EAR file and click next button.



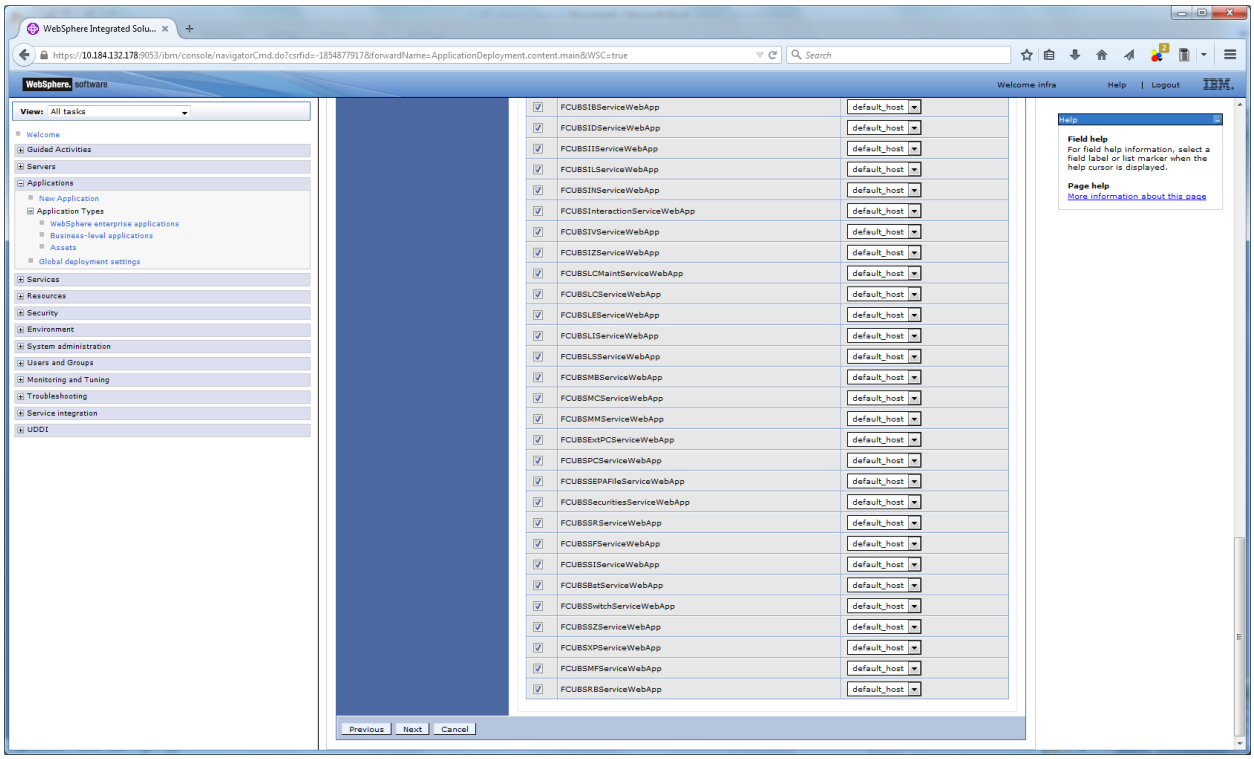
7. Click on next and the following screen is displayed.



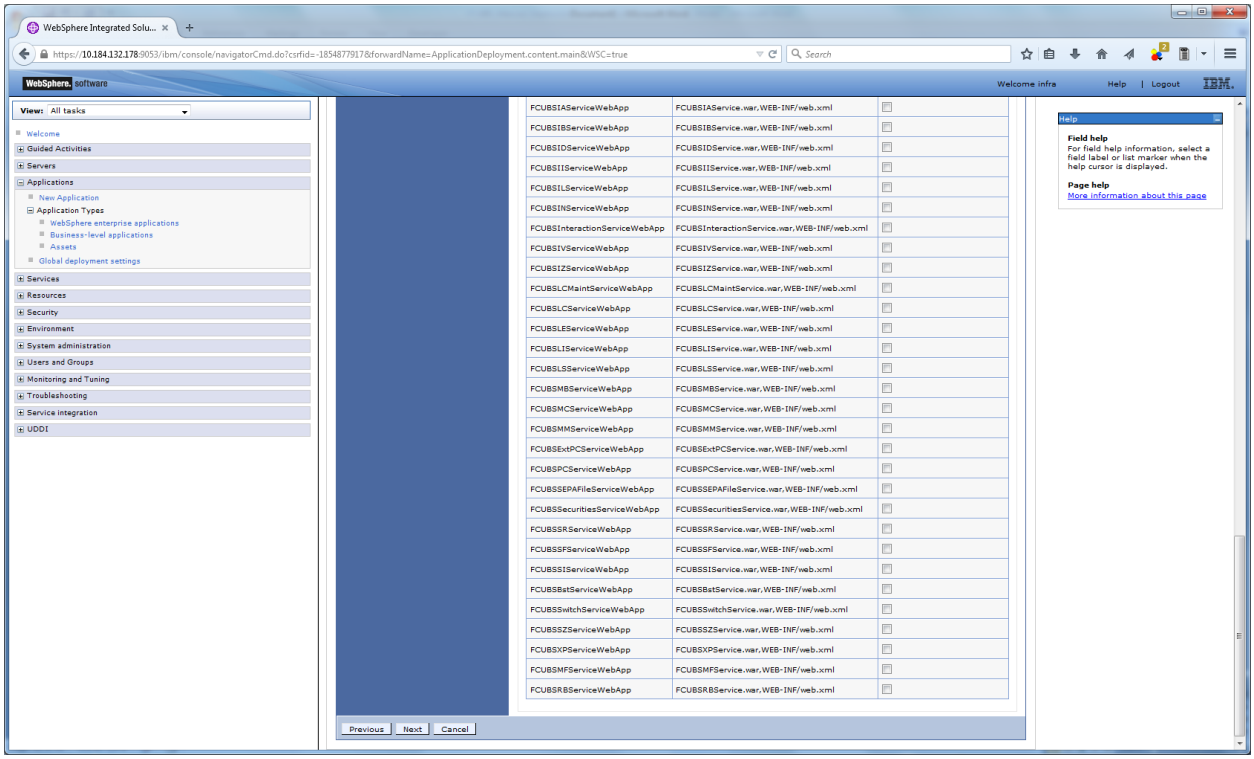
8. Click on next and the following screen is displayed.



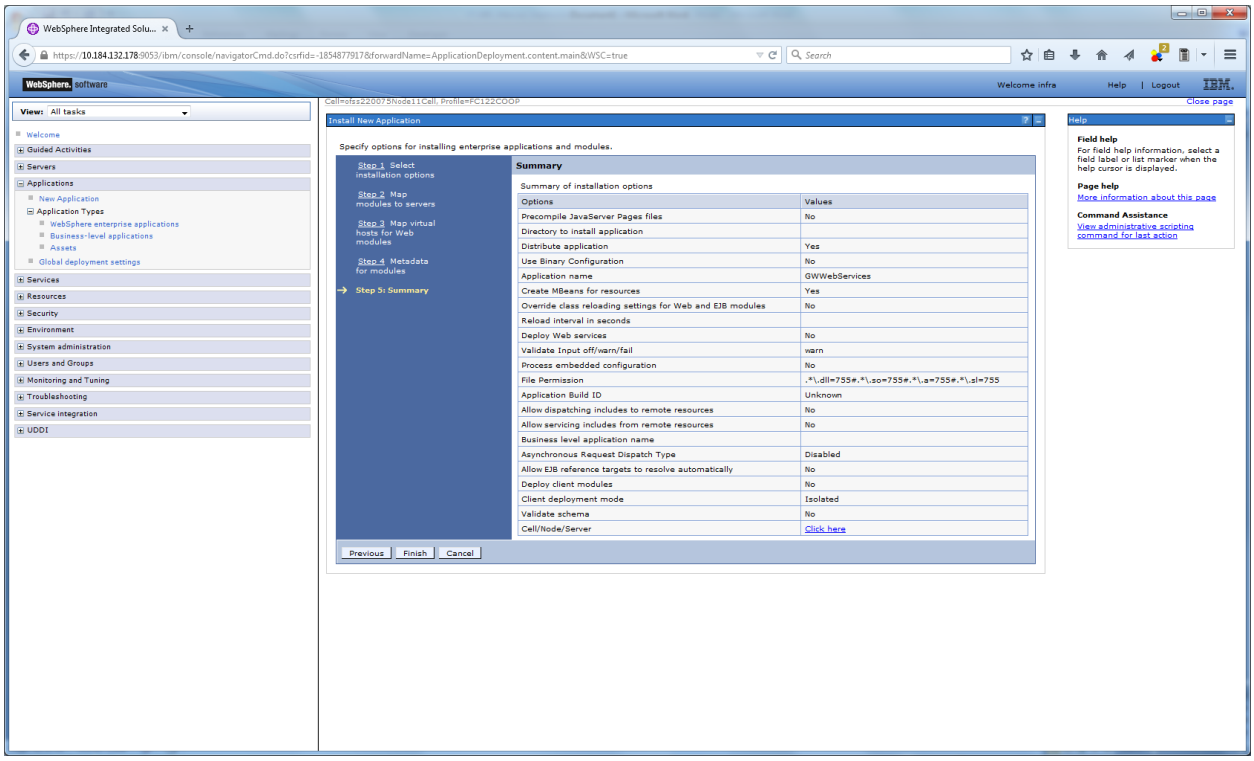
9. Click on next and the following screen is displayed.



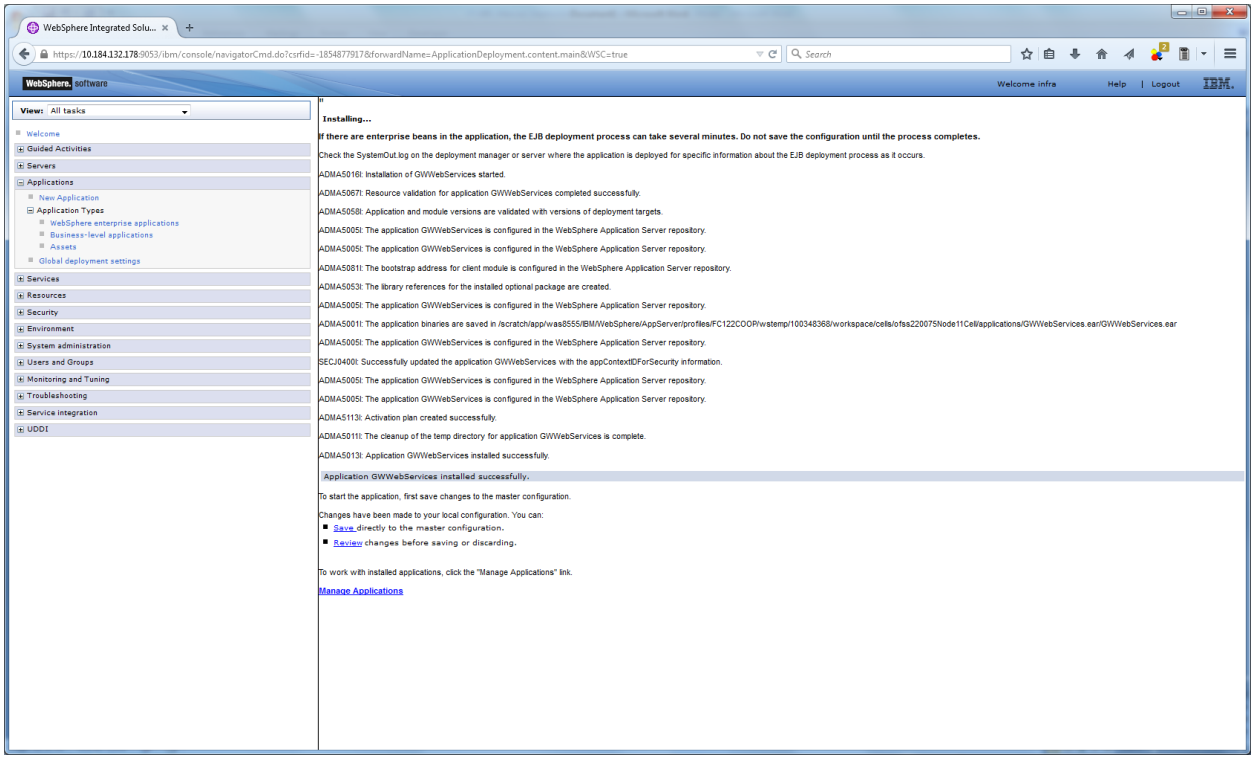
10. Click on next and the following screen is displayed.



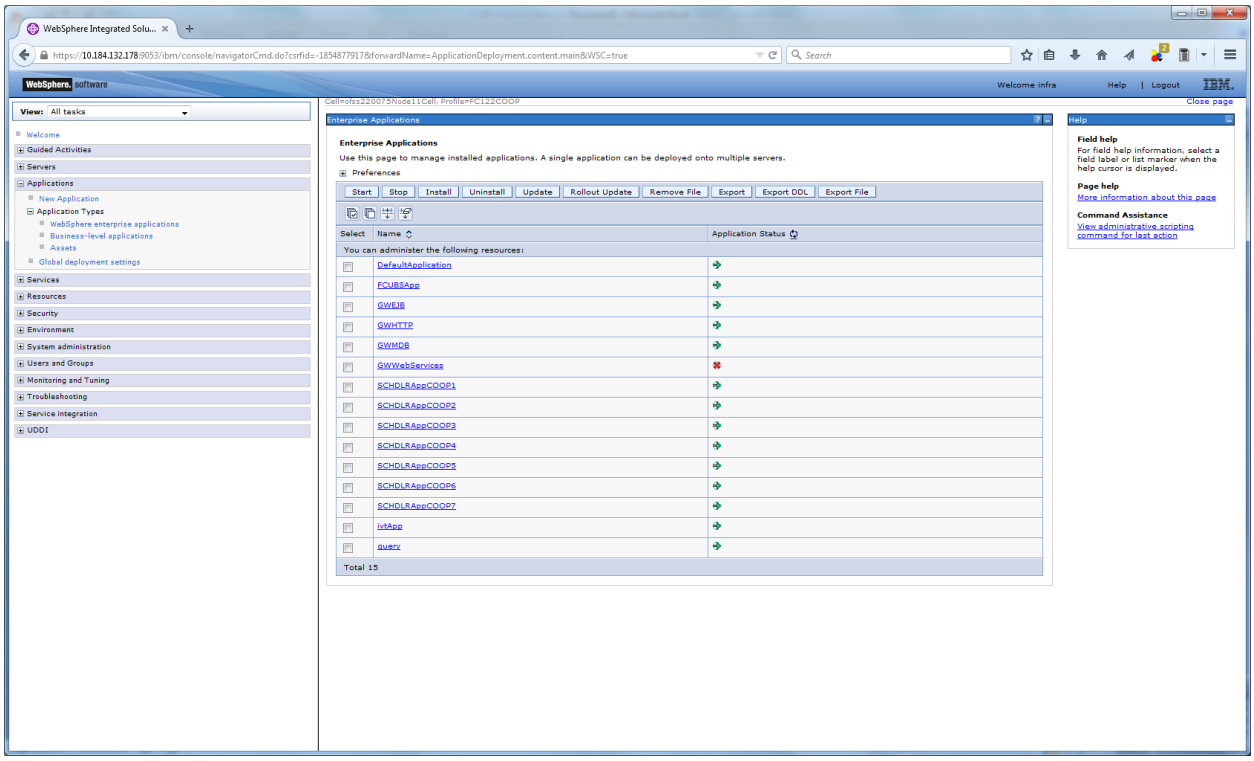
11. Click on next and the following screen is displayed.



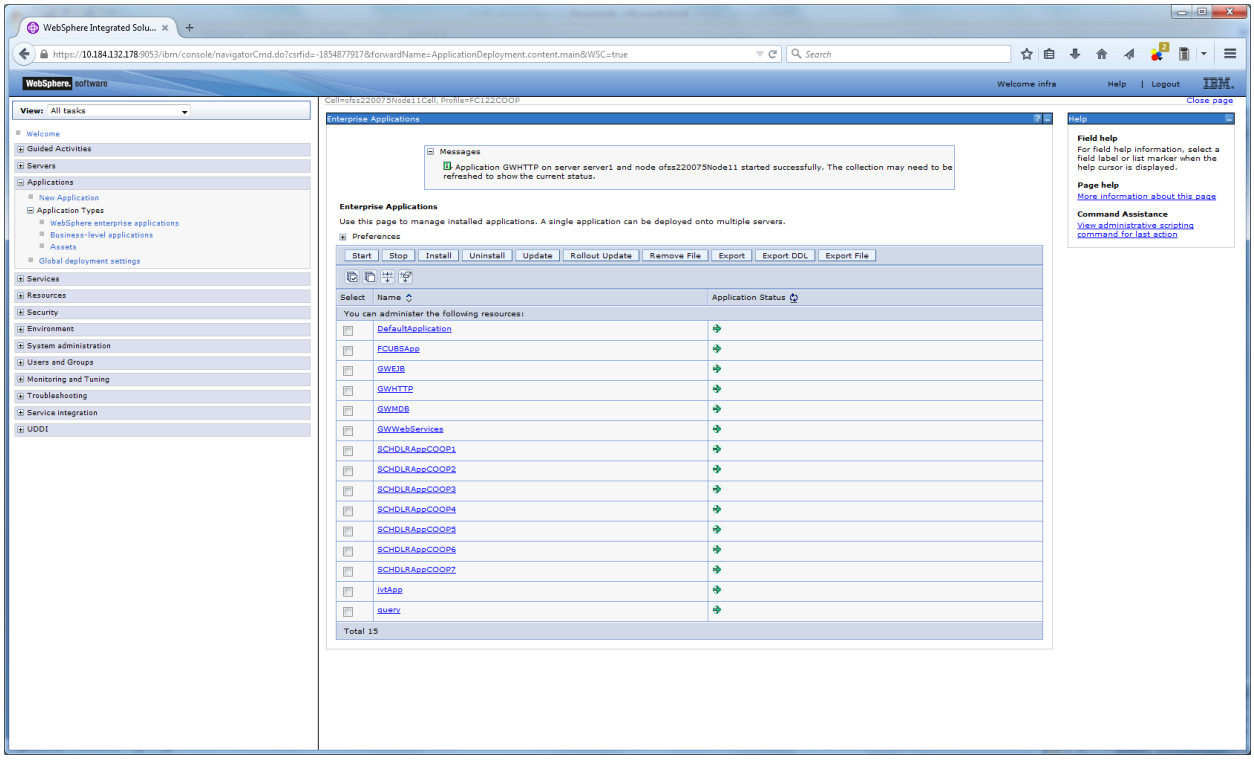
12. Click on finish and the following screen displayed.



13. Click on save and the following screen is displayed.



14. Select the installed application and click on start.



GWWebServices application has been deployed successfully.

Deploying Oracle FLEXCUBE on WebSphere
[December] [2018]
Version 14.2.0.0.0

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