

Deploying Oracle FLEXCUBE Application on WebSphere  
Oracle FLEXCUBE Universal Banking  
Release 14.2.0.0.0  
[December] [2018]



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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.

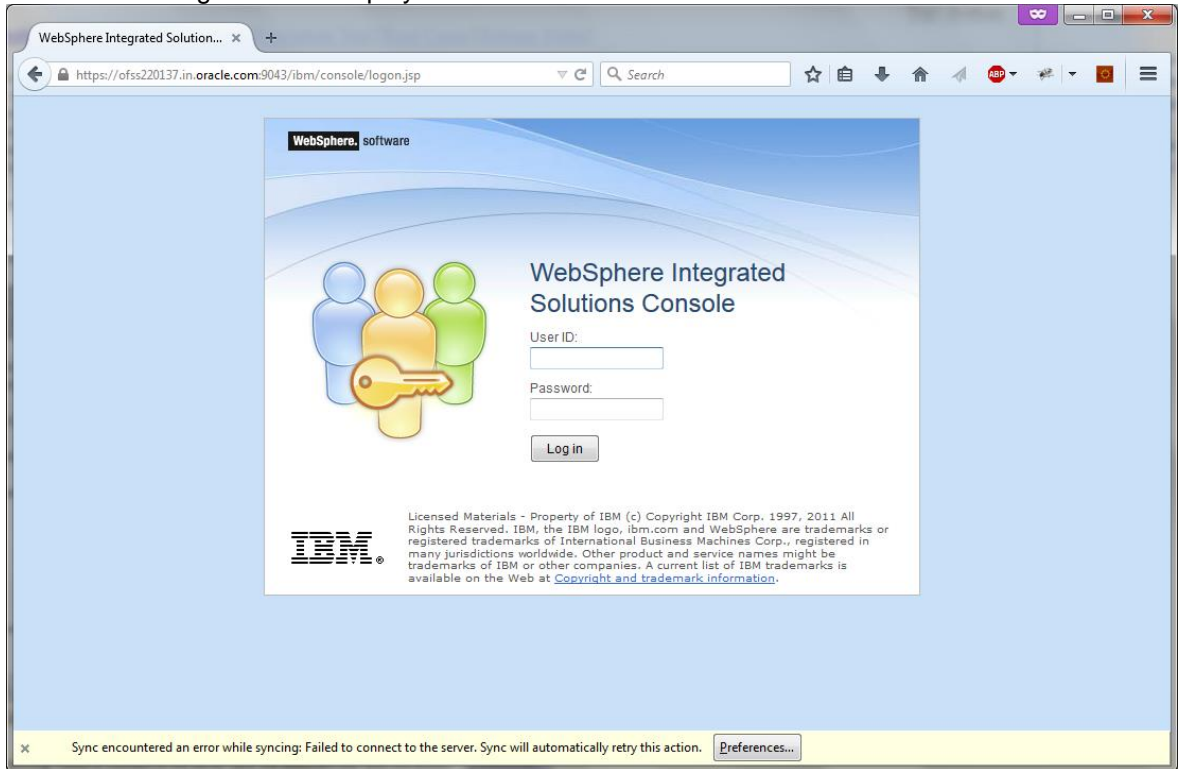
## 1.2 Deploying Application

### 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:

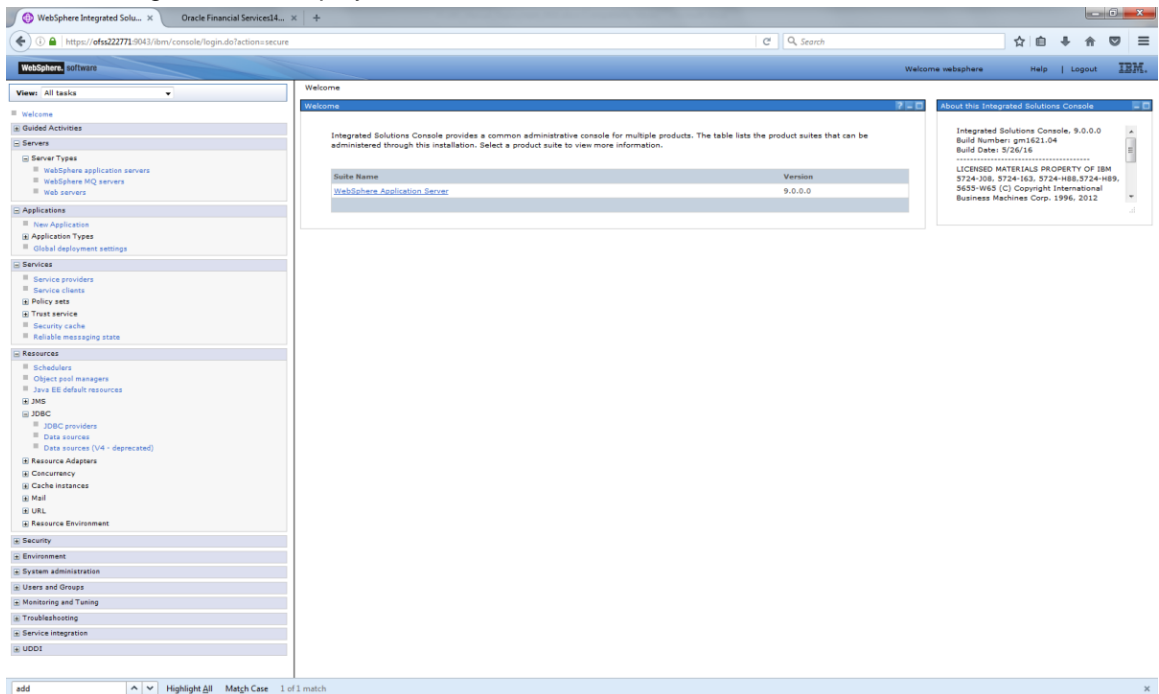
1. Copy Generated Integration Adapter (OBCLExtAdapter.jar or ExtAdapter.jar) to WebSphere Application server {Was\_profile}/Extadapter. Eg:  
/scratch/IBM8559/WebSphere/AppServer/profiles/BGV8559\_01/Extadapter
2. Open the Administrative Console of WebSphere server:
  - Open an internet browser and type 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.

The screenshot shows the WebSphere Shared Libraries configuration page. The left sidebar contains a navigation menu with categories like 'Guided Activities', 'Servers', 'Applications', 'Services', 'Resources', 'Security', 'Environment', 'System administration', 'Users and Groups', 'Monitoring and Tuning', 'Troubleshooting', 'Service integration', and 'UDDI'. The 'Environment' category is expanded, and 'Shared Libraries' is selected. The main content area displays the 'Shared Libraries' configuration for the scope 'Cell=ofss2311694Node08Cell, Profile=ELCMO8CLAPP'. It includes a 'Scope' dropdown menu set to 'Node=ofss2311694Node08, Server=server1', a 'Preferences' section with 'New...' and 'Delete' buttons, and a table listing resources. The table has columns for 'Select', 'Name', and 'Description'. One resource is listed: 'OBCLExtAdapter'. The total count is 'Total 1'. A 'Help' panel on the right provides field help, page help, and command assistance.

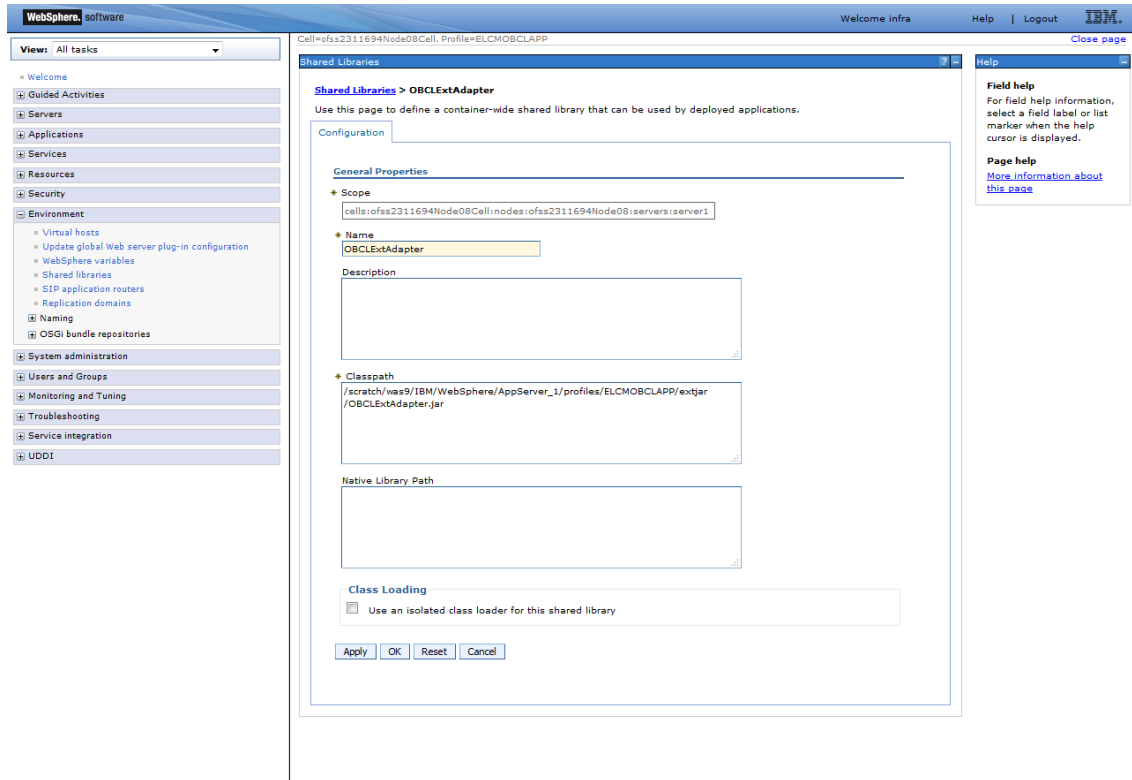
| Select                   | Name           | Description |
|--------------------------|----------------|-------------|
| <input type="checkbox"/> | OBCLExtAdapter |             |

7. Click on New

The following screen is displayed.

The screenshot displays the WebSphere Administration Console interface for configuring a new shared library. The left-hand navigation pane shows a tree structure with categories like 'Guided Activities', 'Servers', 'Applications', 'Services', 'Resources', 'Security', 'Environment', 'System administration', 'Users and Groups', 'Monitoring and Tuning', 'Troubleshooting', 'Service integration', and 'UDDI'. The main content area is titled 'Shared Libraries > New...' and contains a 'Configuration' tab. Under 'General Properties', there are several fields: 'Scope' (pre-filled with a path), 'Name' (highlighted in yellow), 'Description' (a text area), 'Classpath' (a text area), and 'Native Library Path' (a text area). Below these fields is a 'Class Loading' section with a checkbox labeled 'Use an isolated class loader for this shared library'. At the bottom of the configuration area are 'Apply', 'OK', 'Reset', and 'Cancel' buttons. A 'Help' panel on the right provides instructions on how to use field help.

- 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:

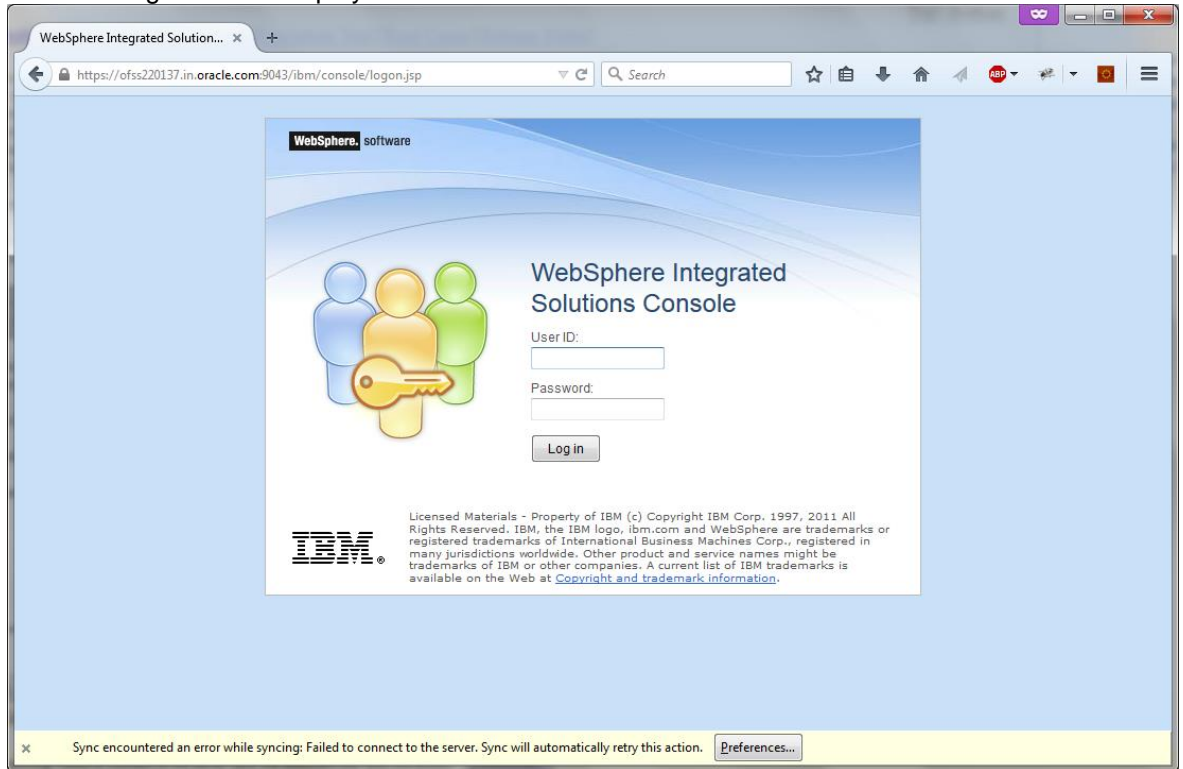
9. Open the Administrative Console of WebSphere server:

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

Eg: <https://10.10.10.10:1010/console>

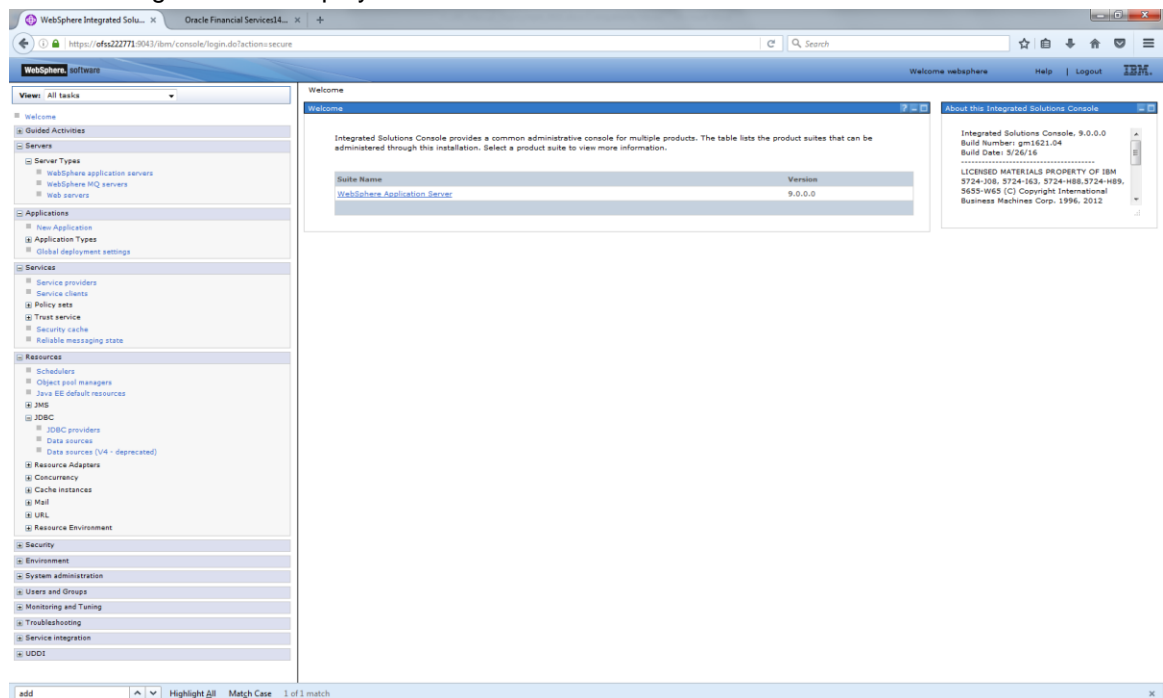
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

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.

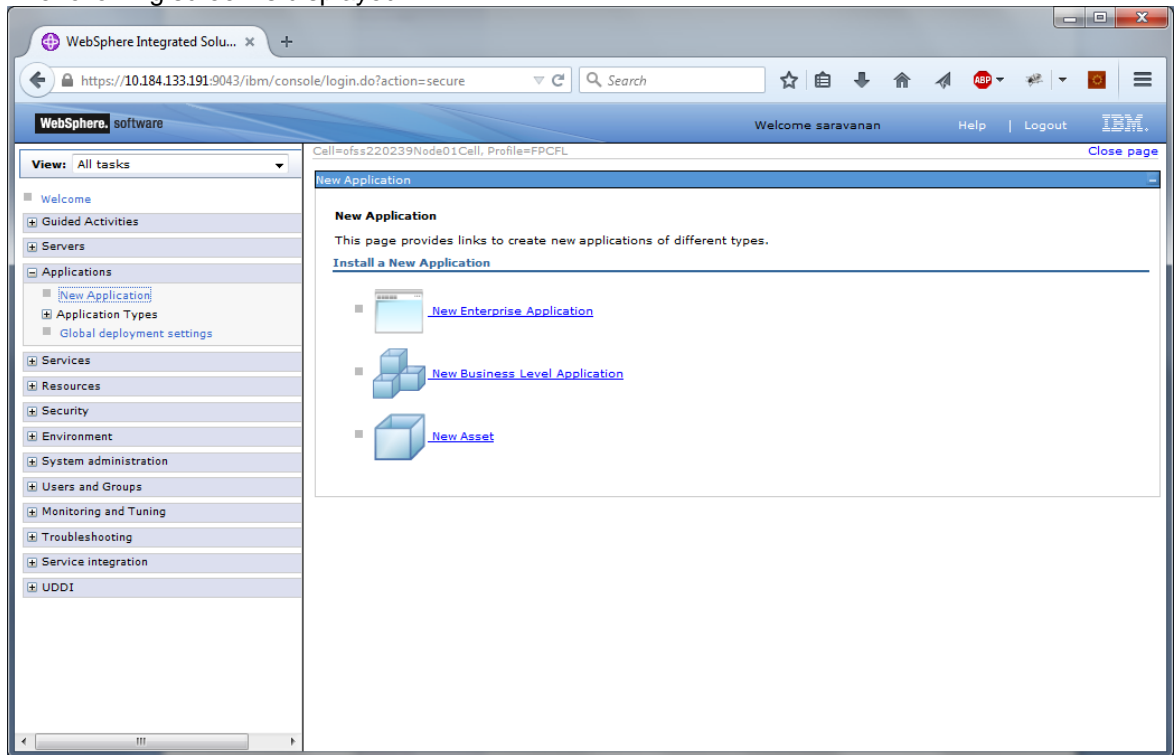
The following screen is displayed.



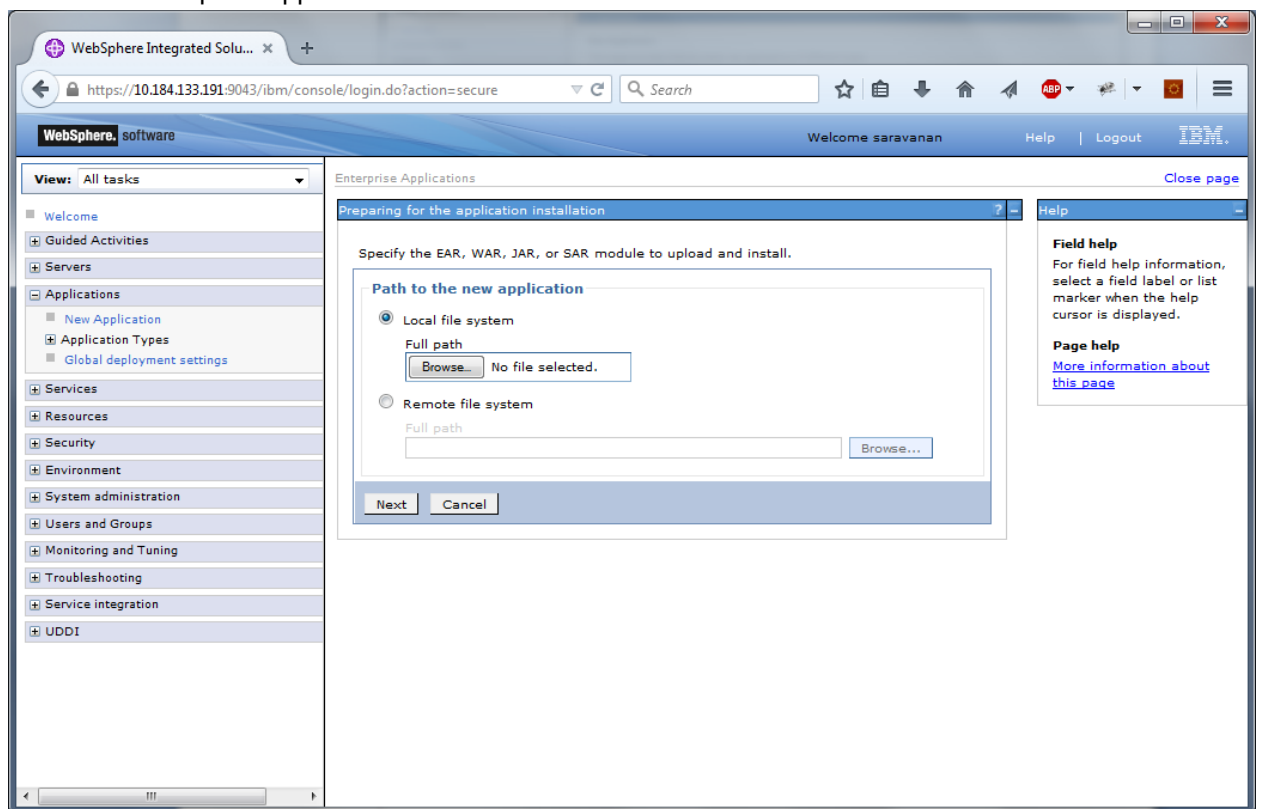
12. Expand Applications from left-side menu and Click 'New Application'.



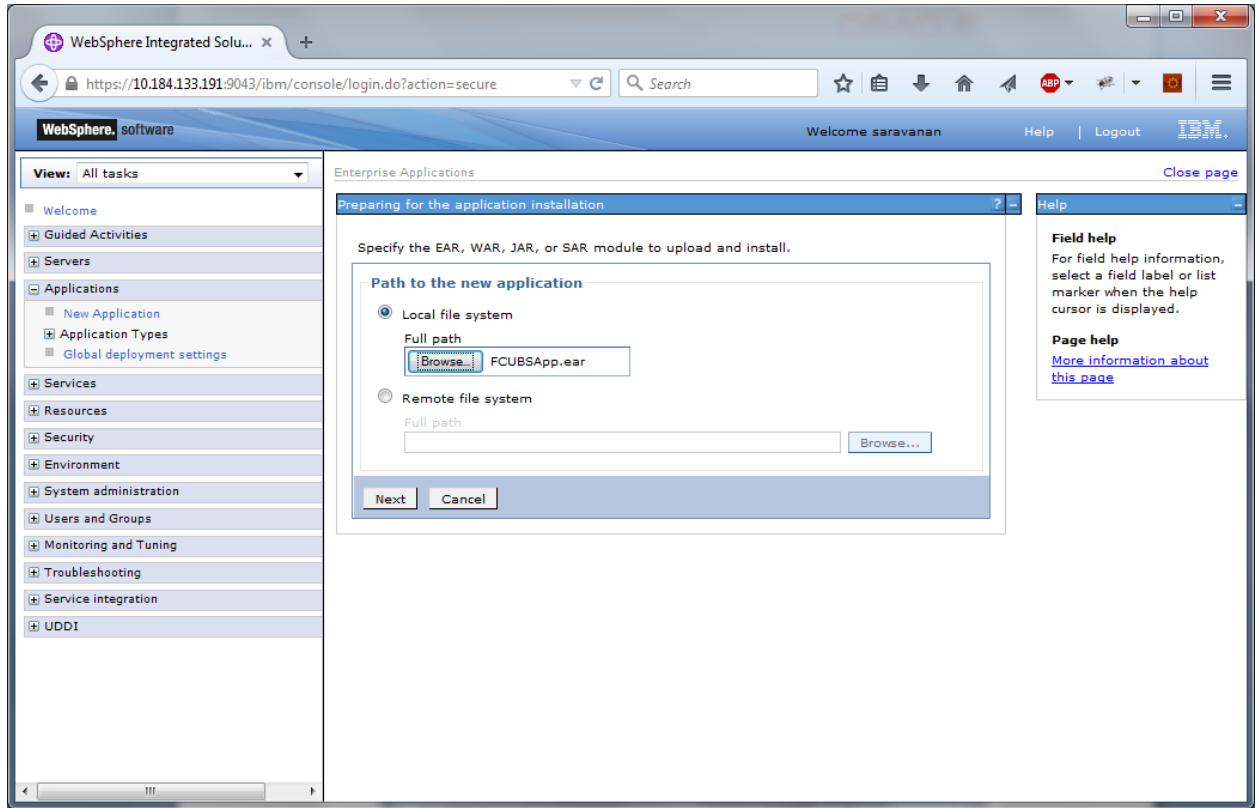
The following screen is displayed.



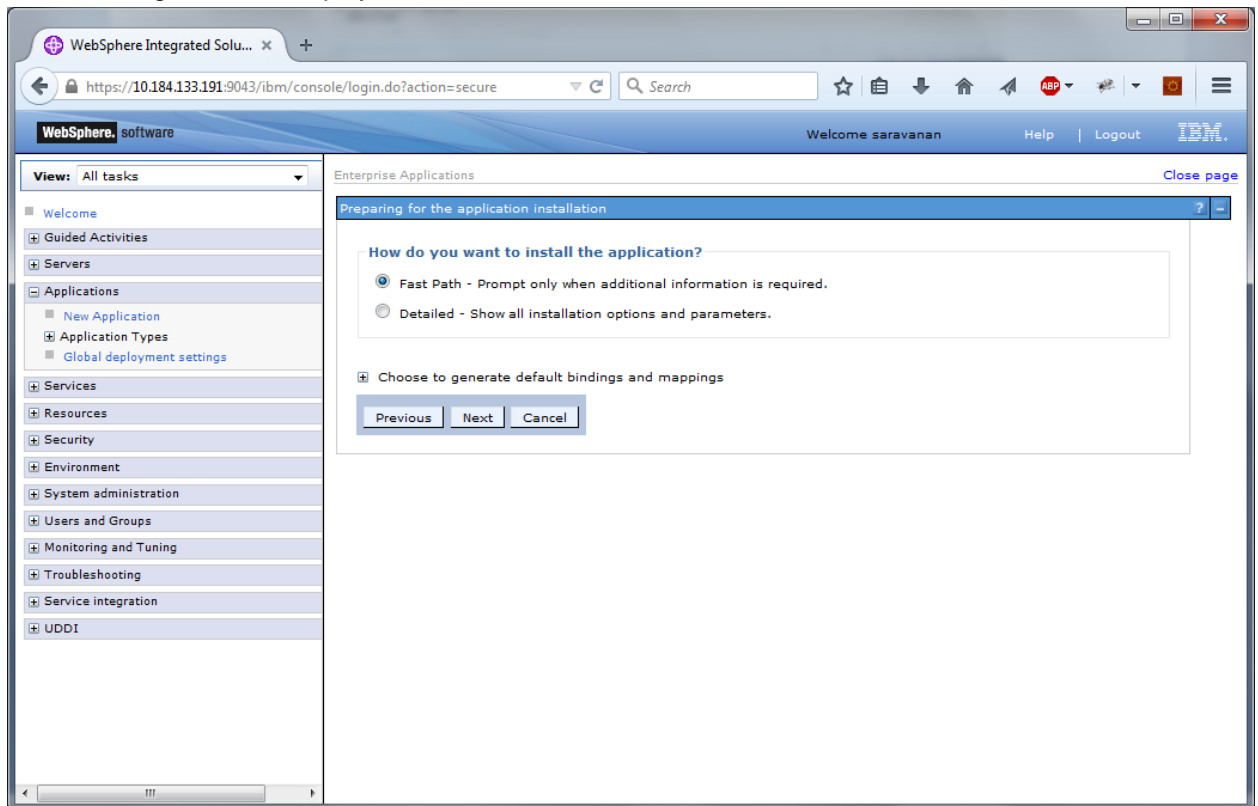
13. Click 'New Enterprise Application'.



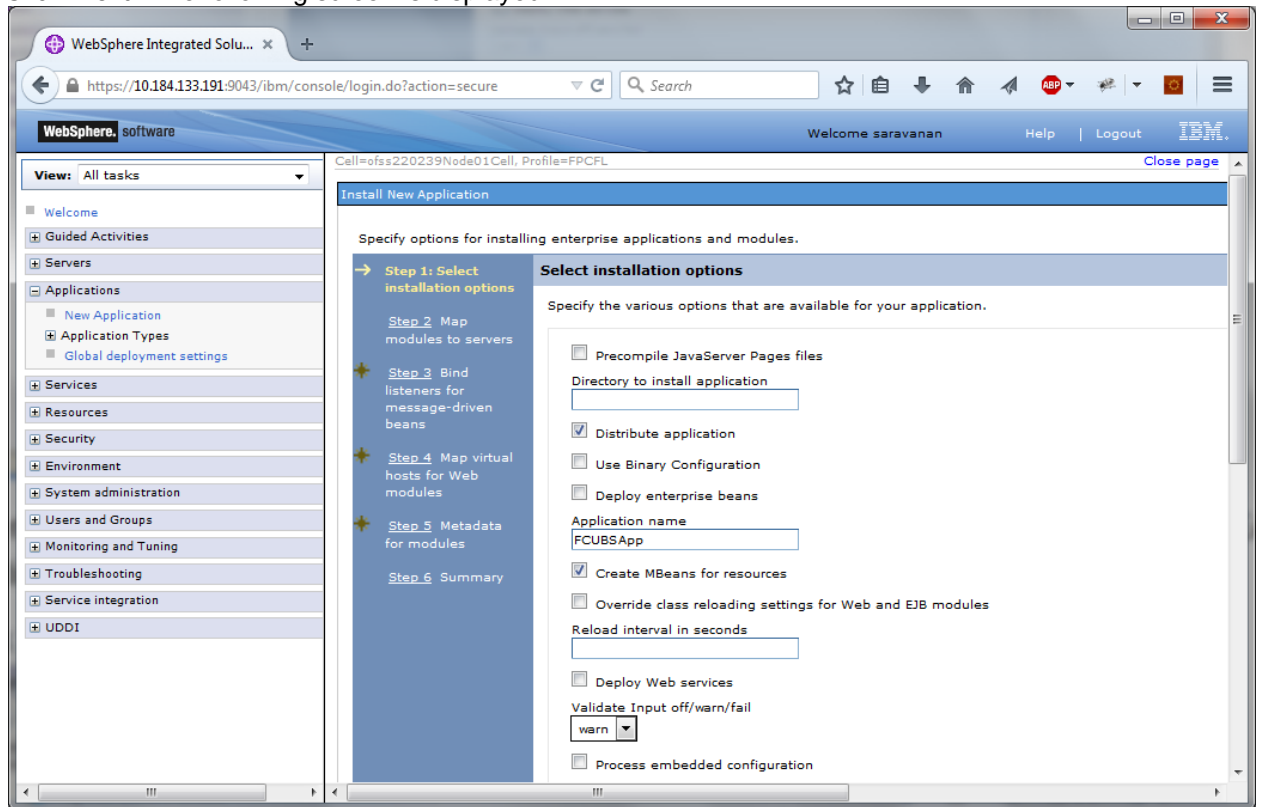
14. Browse the application EAR file and click next button



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'.

The screenshot shows the WebSphere Integrated Solutions console. The main content area is titled "Map modules to servers" and contains the following information:

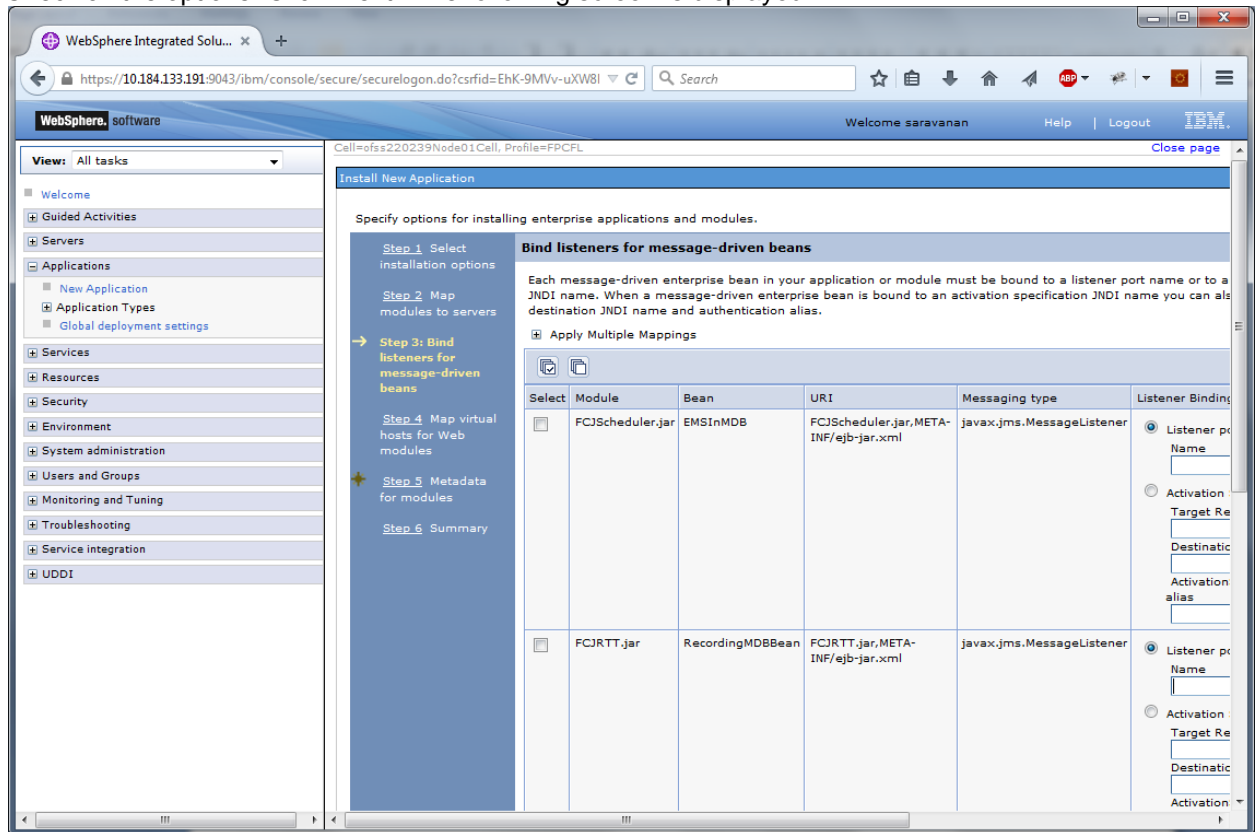
Specify targets such as application servers or clusters of application servers where you want to install the modules to application. Modules can be installed on the same application server or dispersed among several application servers as targets that serve as routers for requests to this application. The plug-in configuration file (plugin-cfg.xml) generated, based on the applications that are routed through.

Clusters and servers:  
WebSphere:cell=ofss220239Node01Cell,node=ofss220239Node01,server=server1 [Apply]

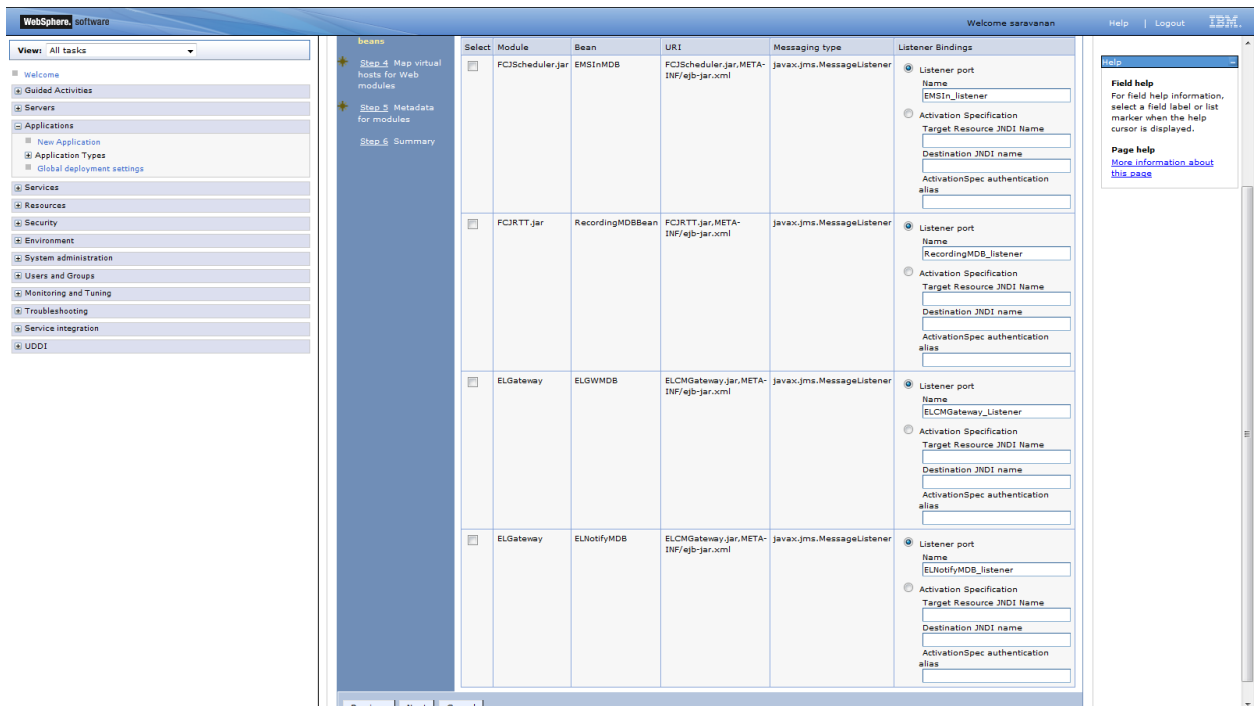
| Select                   | Module                    | URI                                    | Server   |
|--------------------------|---------------------------|--|--|
| <input type="checkbox"/> | FCJGeneralEJB.jar         | FCJGeneralEJB.jar,META-INF/ejb-jar.xml | WebSphere:cell=ofss220239Node01Cell,node=ofss220239Node01,server=server1 |
| <input type="checkbox"/> | FCJSMS.jar                | FCJSMS.jar,META-INF/ejb-jar.xml        | WebSphere:cell=ofss220239Node01Cell,node=ofss220239Node01,server=server1 |
| <input type="checkbox"/> | FCJBatch.jar              | FCJBatch.jar,META-INF/ejb-jar.xml      | WebSphere:cell=ofss220239Node01Cell,node=ofss220239Node01,server=server1 |
| <input type="checkbox"/> | FCServiceEJB.jar          | FCServiceEJB.jar,META-INF/ejb-jar.xml  | WebSphere:cell=ofss220239Node01Cell,node=ofss220239Node01,server=server1 |
| <input type="checkbox"/> | FCJScheduler.jar          | FCJScheduler.jar,META-INF/ejb-jar.xml  | WebSphere:cell=ofss220239Node01Cell,node=ofss220239Node01,server=server1 |
| <input type="checkbox"/> | FCJRTT.jar                | FCJRTT.jar,META-INF/ejb-jar.xml        | WebSphere:cell=ofss220239Node01Cell,node=ofss220239Node01,server=server1 |
| <input type="checkbox"/> | ELCMEJB                   | ELCMEJB.jar,META-INF/ejb-jar.xml       | WebSphere:cell=ofss220239Node01Cell,node=ofss220239Node01,server=server1 |
| <input type="checkbox"/> | ELGateway                 | ELCMGateway.jar,META-INF/ejb-jar.xml   | WebSphere:cell=ofss220239Node01Cell,node=ofss220239Node01,server=server1 |
| <input type="checkbox"/> | FlexCubeCorporate         | FCJNeoWeb.war,WEB-INF/web.xml          | WebSphere:cell=ofss220239Node01Cell,node=ofss220239Node01,server=server1 |
| <input type="checkbox"/> | Enterprise Limits Gateway | ELCMWeb.war,WEB-INF/web.xml            | WebSphere:cell=ofss220239Node01Cell,node=ofss220239Node01,server=server1 |

At the bottom of the console, there are navigation buttons: Previous, Next, and Cancel.

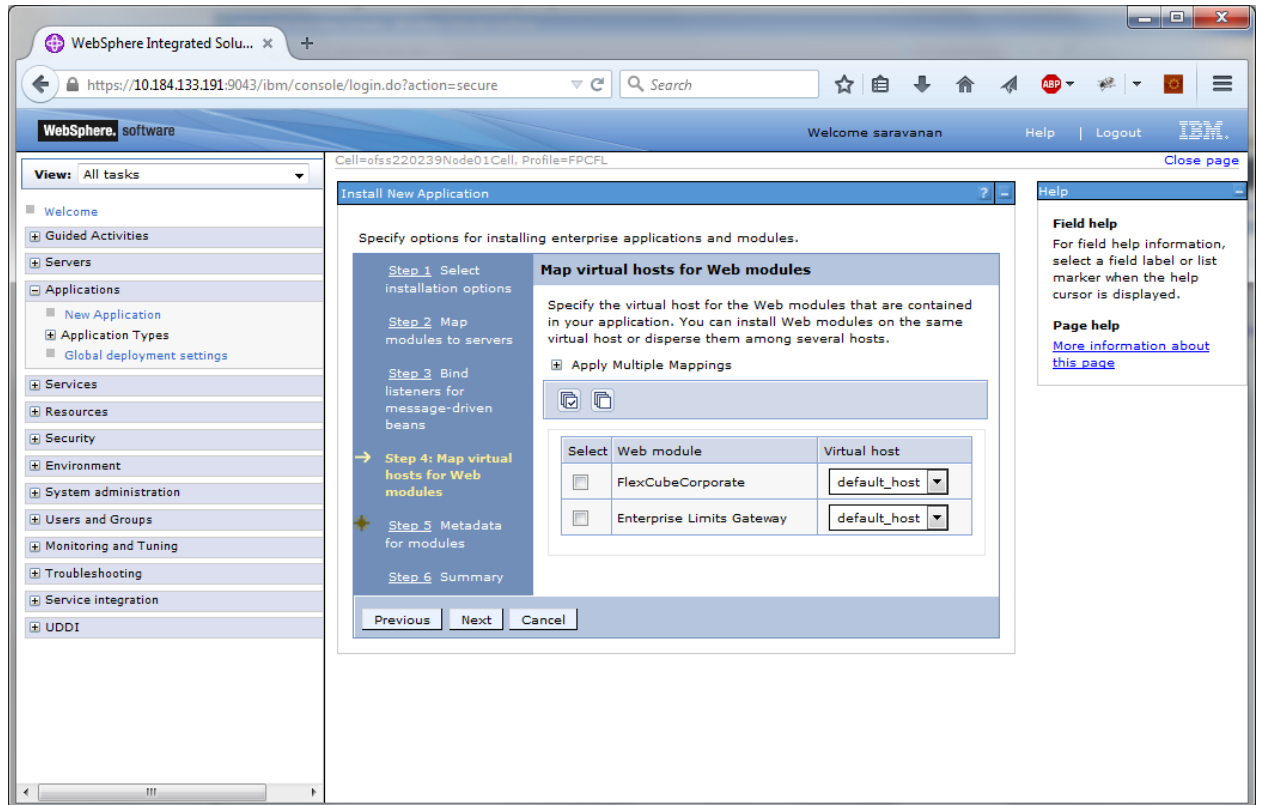
18. Check all the options. Click 'Next'. The following screen is displayed.



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... x

https://10.184.133.191:9043/ibm/console/login.do?action=secure

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 | <input type="checkbox"/>    |
| FCJSMS.jar                | FCJSMS.jar,META-INF/ejb-jar.xml        | <input type="checkbox"/>    |
| FCJBatch.jar              | FCJBatch.jar,META-INF/ejb-jar.xml      | <input type="checkbox"/>    |
| FCServiceEJB.jar          | FCServiceEJB.jar,META-INF/ejb-jar.xml  | <input type="checkbox"/>    |
| FCJScheduler.jar          | FCJScheduler.jar,META-INF/ejb-jar.xml  | <input type="checkbox"/>    |
| FCJRTT.jar                | FCJRTT.jar,META-INF/ejb-jar.xml        | <input type="checkbox"/>    |
| ELCMEJB                   | ELCMEJB.jar,META-INF/ejb-jar.xml       | <input type="checkbox"/>    |
| ELGateway                 | ELCMGateway.jar,META-INF/ejb-jar.xml   | <input type="checkbox"/>    |
| FlexCubeCorporate         | FCJNeoWeb.war,WEB-INF/web.xml          | <input type="checkbox"/>    |
| Enterprise Limits Gateway | ELCMWeb.war,WEB-INF/web.xml            | <input type="checkbox"/>    |

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... x

https://10.184.133.191:9043/ibm/console/secure/securelogon.do?csrfid=EhK-9MvU-uXW8I

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  |

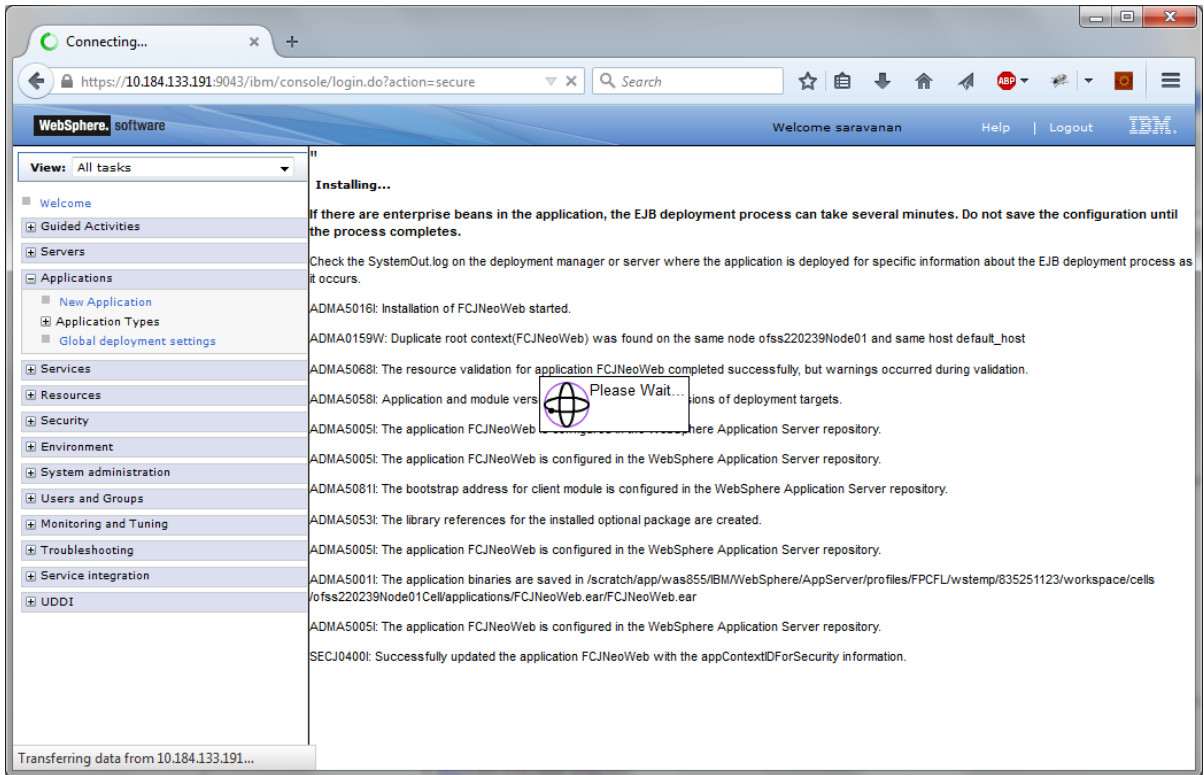
Field help  
For field help information, select a field label or list marker when the help cursor is displayed.

Page help  
[More information about this page](#)

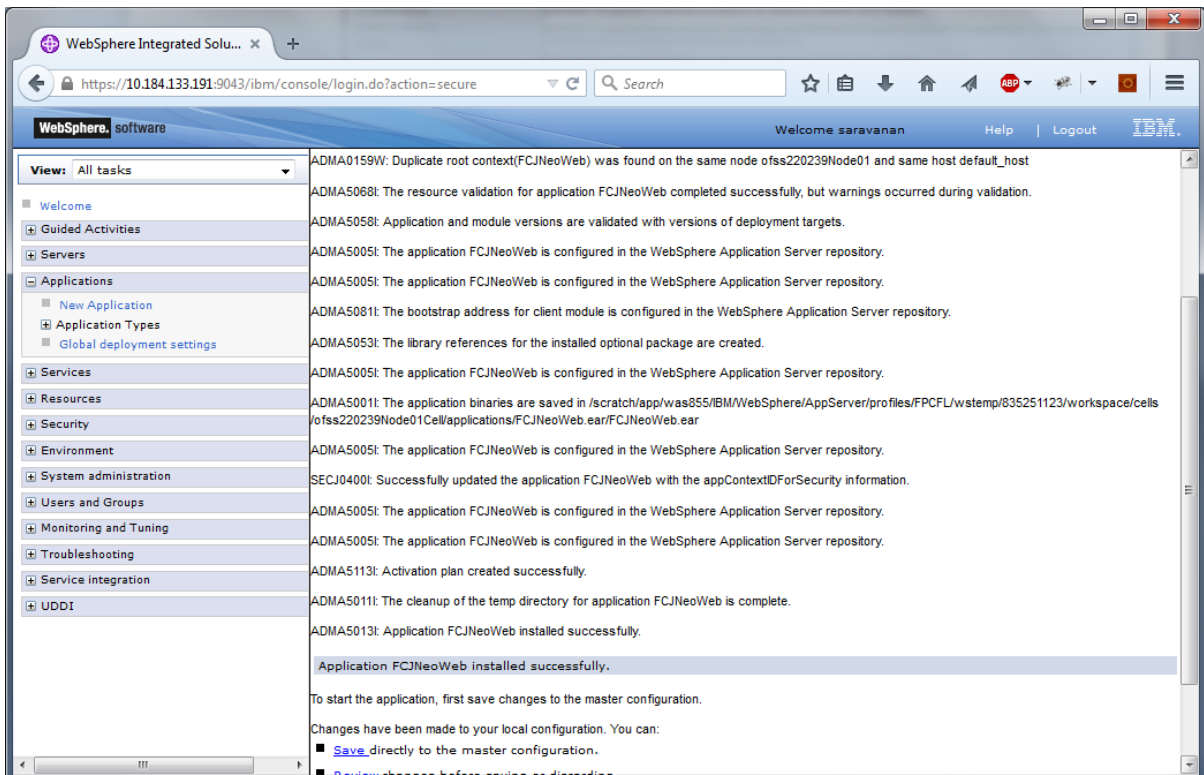
Command Assistance  
[View administrative scripting command for last action](#)

22. Click 'Finish'.

The following screen is displayed.



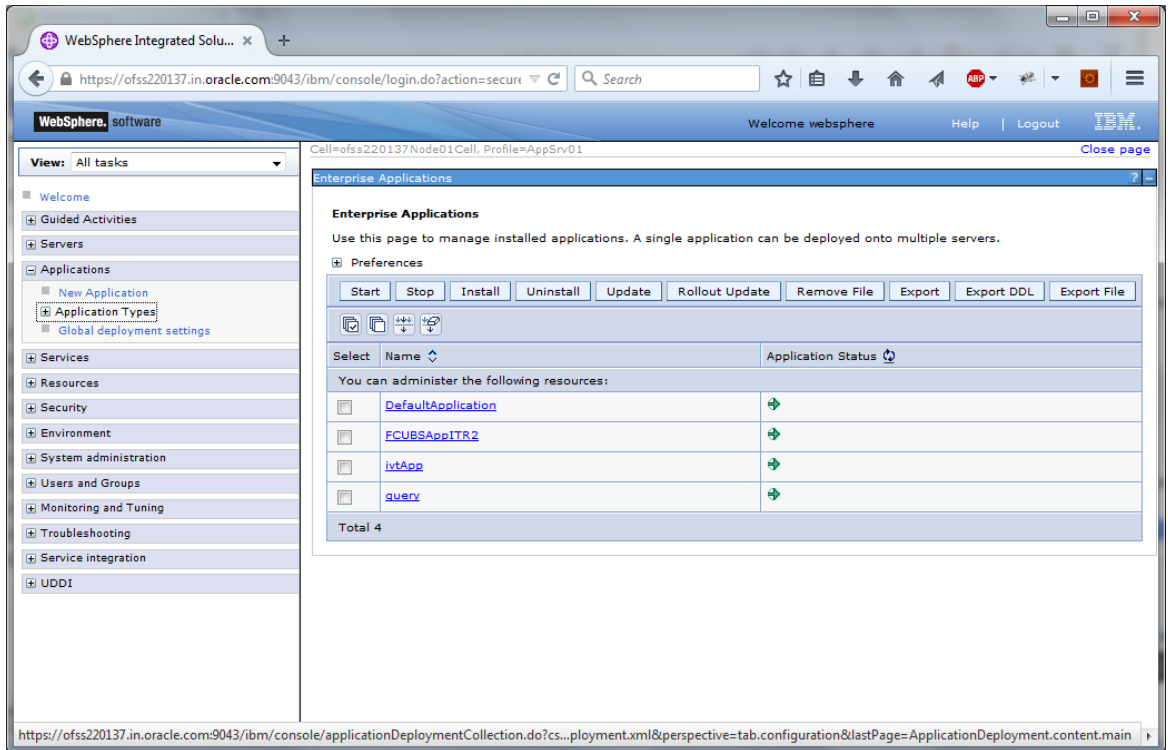
Wait for few seconds...





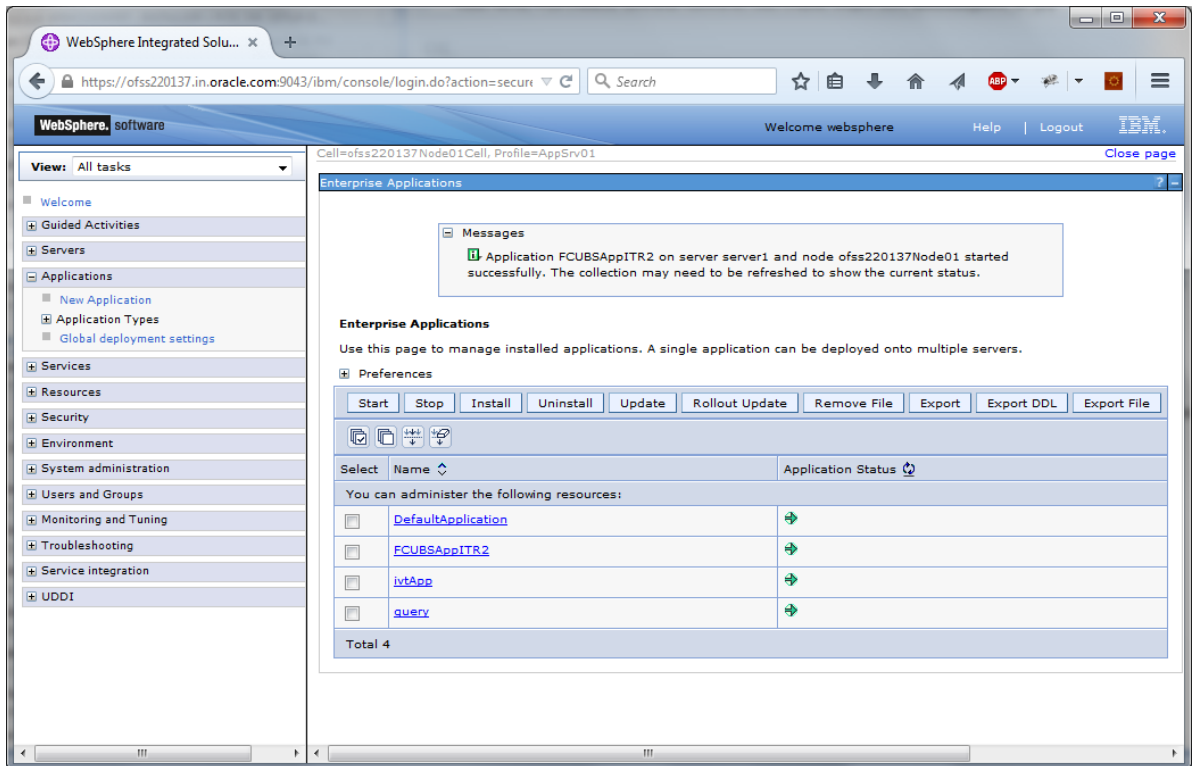
23. Click 'Save'.

The following screen is displayed.



24. Select the application and click 'Start'.

The application starts as shown below:



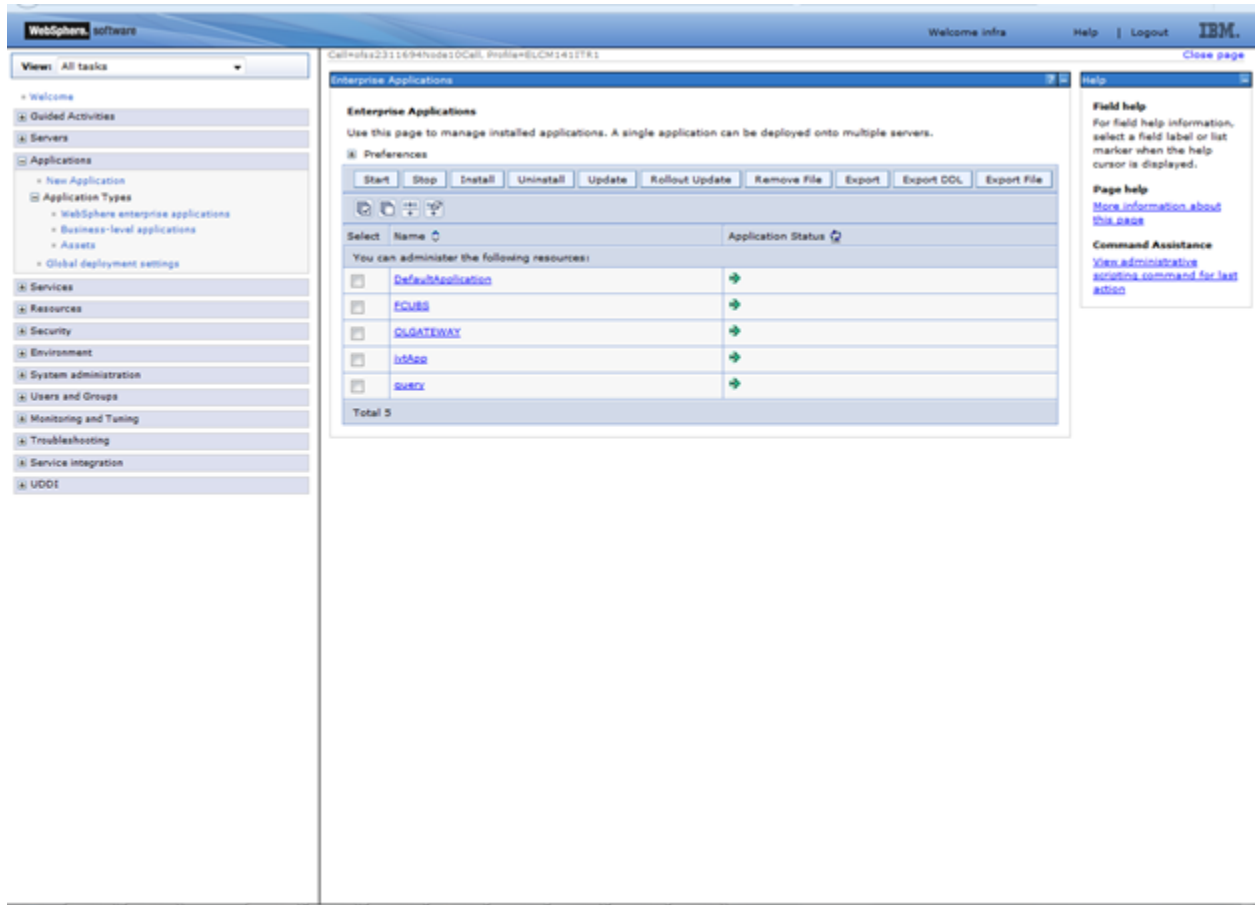
This completes the deployment of EAR (FCJNeoWeb.ear) on IBM WebSphere 9.0.0.0 Application Server from the Administration Console.

### 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

View: All tasks

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

**Modules**

- Message Modules
- Metadata for modules
- Disabler module build Ids

**Detail Properties**

- Target specific application status
- Startup behavior
- Application binaries
- Class loading and update detection
- Request dispatcher properties
- JMS 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

**Web Module Properties**

- Session Management
- Context Root For Web Modules
- Environment entries for Web modules
- Initialize parameters for servlets
- JSP and JSP options
- Virtual hosts

**Enterprise Java Bean Properties**

- Default message provider references
- Application profiles
- Environment entries for EJB modules
- Find EJB Business
- Message Driven Bean listener bindings
- EJB NDI names

**Web Services Properties**

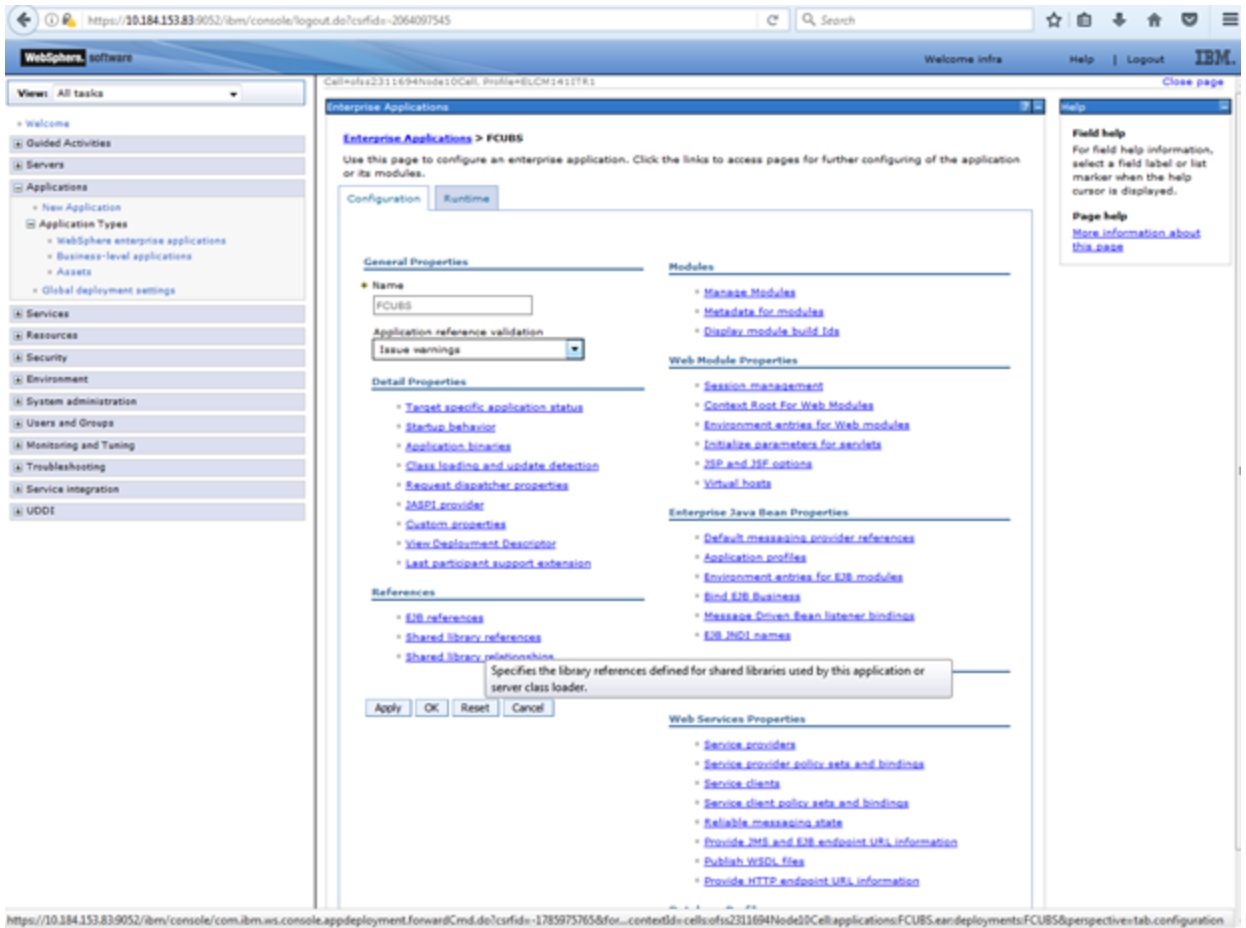
- Service providers
- Service provider policy sets and bindings
- Service clients
- Service client policy sets and bindings
- Reliable message state
- Provide JMS and EJB endpoint URLs information
- Publish WSDL files
- Provide HTTP endpoint URL information

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

https://10.184.151.83:9052/ibm/console/com.ibm.was.console.appdeployment.forwardCmd.do?contextId=cells:ofs2311694Node0Cell:applications:FCUBS:en:deployments:FCUBS&perspective=tab:configuration

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 info Help Logout IBM

View: All tasks Close page

- 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 > PCUBS

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**  
PCUBS

Application reference validation  
Issue warnings

**Detail Properties**

- Target specific application status
- Startup behavior
- Application binades
- Class loading and update detection
- Request dispatcher properties
- JSP1 provider
- Custom properties
- View Deployment Descriptor
- Last participant support extension

**References**

- EJB references
- Shared library references
- Shared library relationships

**Modules**

- Module Modules
- Metadata for modules
- Deploy module build file

**Web Module Properties**

- Session management
- Context Root For Web Modules
- Environment entries for Web modules
- Initialize parameters for servlets
- JSP and JSP options
- Virtual hosts

**Enterprise Java Bean Properties**

- Default messaging provider references
- Application profiles
- Environment entries for EJB modules
- EJB 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 URLs information
- Publish WSDL files
- Provide HTTP endpoint URLs information

Apply OK Reset Cancel

Specifies the library references defined for shared libraries used by this application or server class loader.

**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](#)

The screenshot displays the IBM WebSphere Administration Console interface. On the left is a navigation tree with categories like 'Guided Activities', 'Servers', 'Applications', 'Services', 'Resources', 'Security', 'Environment', 'Naming', 'OSGI bundle repositories', 'System administration', 'Users and Groups', 'Monitoring and Tuning', 'Troubleshooting', 'Service Integration', and 'UDDI'. The main content area shows the 'Enterprise Applications' section, specifically 'FCUBS > Shared Library references > Shared Library Mapping'. A dialog box is open, titled 'Shared Library Mapping', with the following content:

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: [Empty list box]

Selected: OSCLE-Adapter

Buttons: New..., OK, Cancel

On the right side of the console, there is a 'Help' panel with 'Field help' and 'Page help' sections.

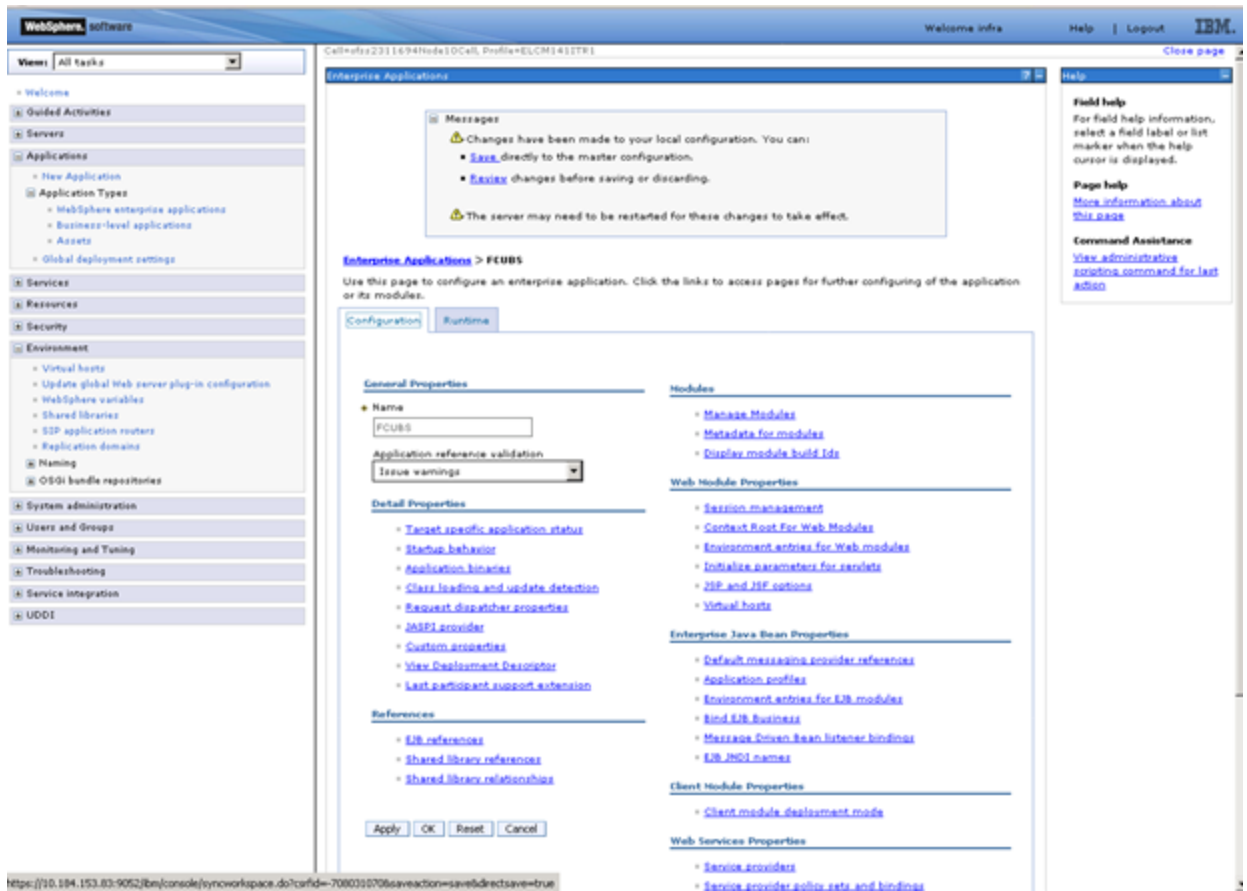
Click ok

The screenshot shows the WebSphere software administration console. The left-hand navigation pane is expanded to 'Applications' > 'Application Types' > 'Business-level applications' > 'Assets'. The main content area displays the configuration for 'Enterprise Applications > FCUBS > Shared library references'. The page title is 'Shared Library Mapping for Modules'. Below the title, there is a text instruction: 'Specify shared libraries that the application or individual modules reference. These libraries must be defined in the configuration at the appropriate scope.' A 'Reference shared libraries' button is present. Below this is a table with three columns: 'Selected: Application', 'URI', and 'Shared Libraries'. The table contains four rows of data, each with a checkbox in the 'Selected: Application' column.

| Selected: Application                                | URI                          | Shared Libraries |
|--|------------------------------|------------------|
| <input type="checkbox"/> FCUBS                       | META-INF/application.xml     | OB-CL-Adapter    |
| Selected: Module                                     | URI                          | Shared Libraries |
| <input type="checkbox"/> FlexCubeCorporate           | FCNeoWeb.var,WEB-INF/web.xml |                  |
| <input type="checkbox"/> Enterprise Limits Gateway   | ELCMWeb.var,WEB-INF/web.xml  |                  |
| <input type="checkbox"/> Security Management Gateway | SMWeb.var,WEB-INF/web.xml    |                  |

At the bottom of the configuration area, there are 'OK' and 'Cancel' buttons. On the right side of the console, there is a 'Help' pane with 'Field help' and 'Page help' sections.

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:

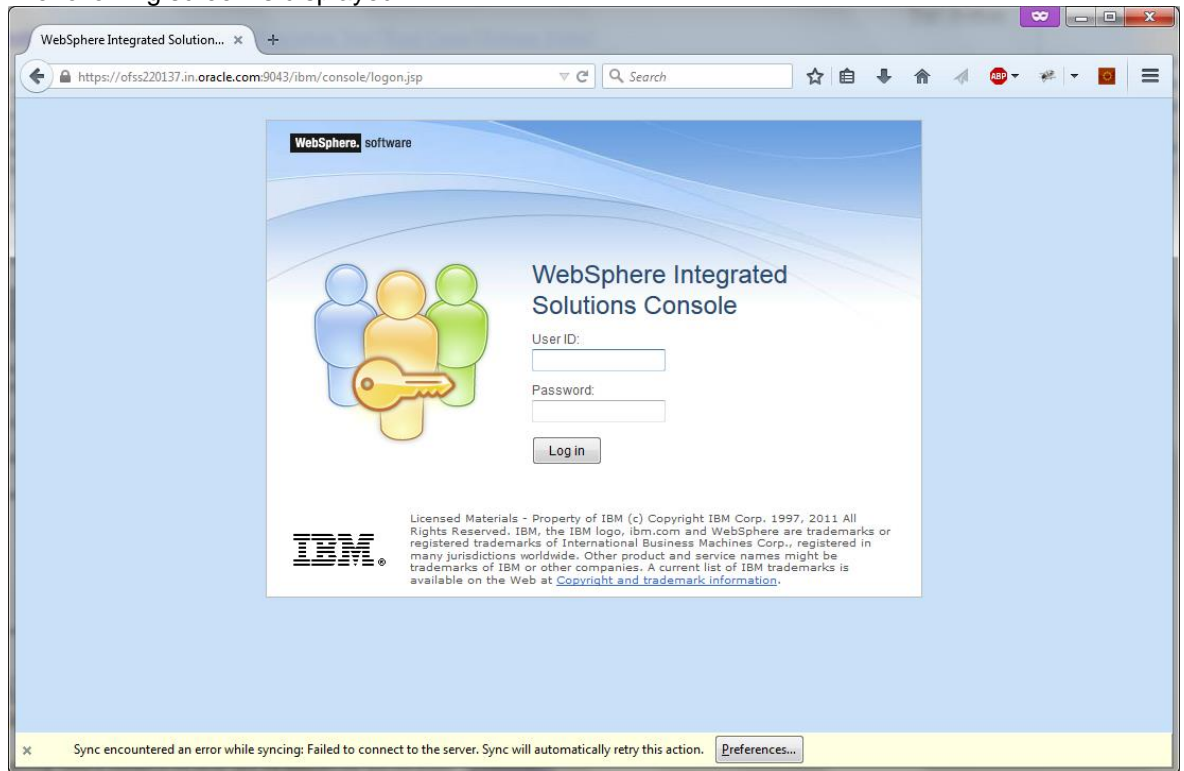
Open an internet browser and type the WebSphere Admin Console URL  
<http://{Host}:{Port}/console>.

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.

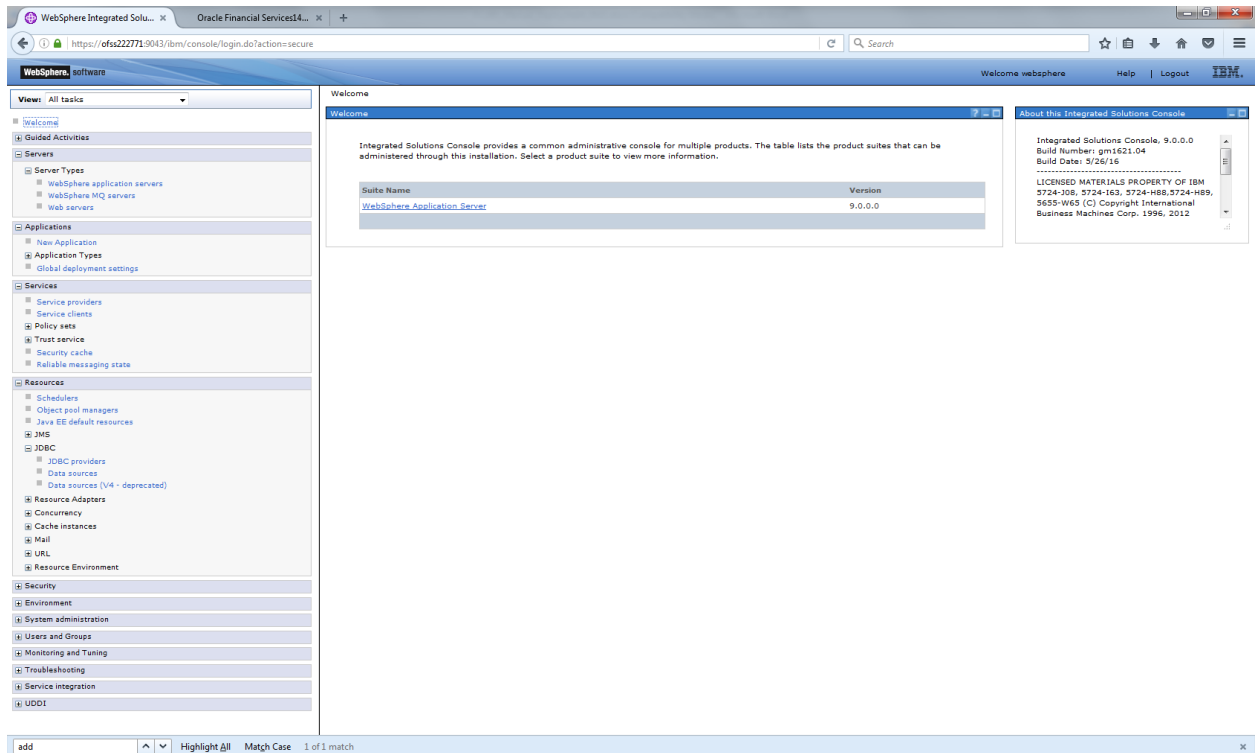


The following screen is displayed:



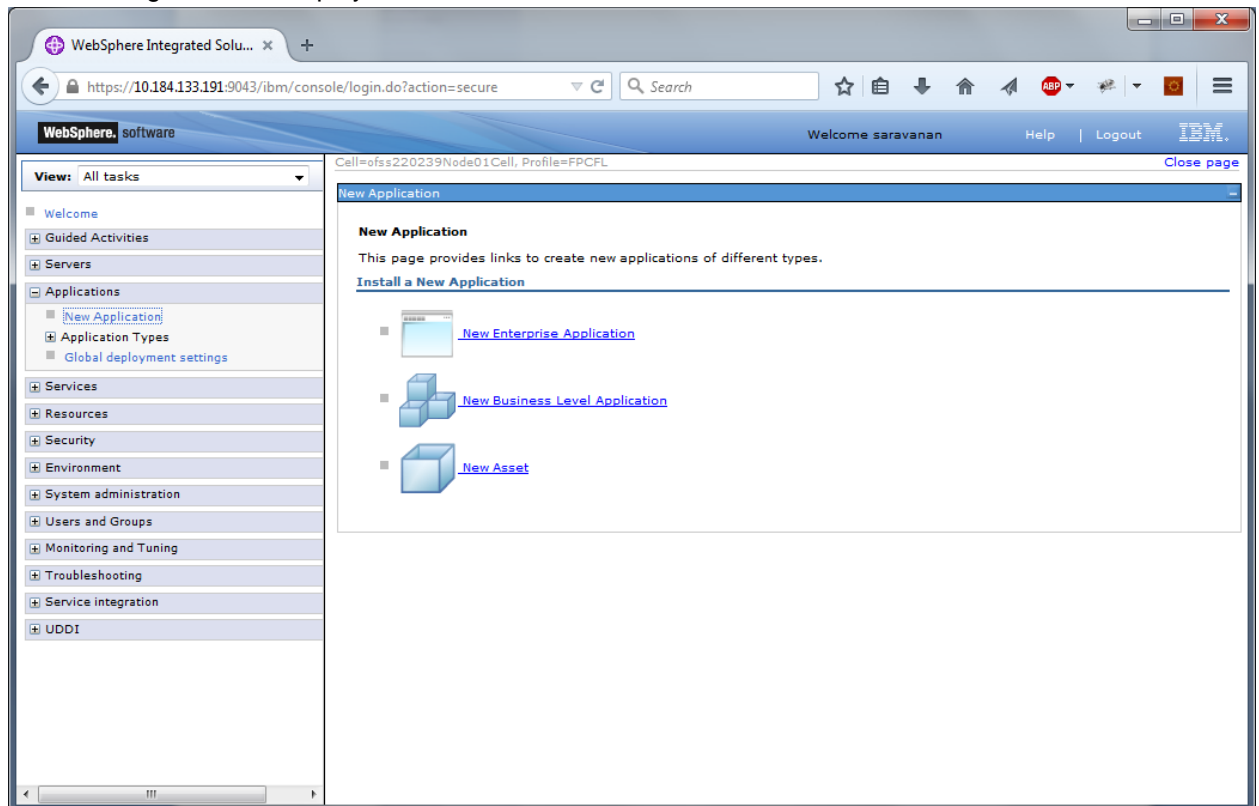
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

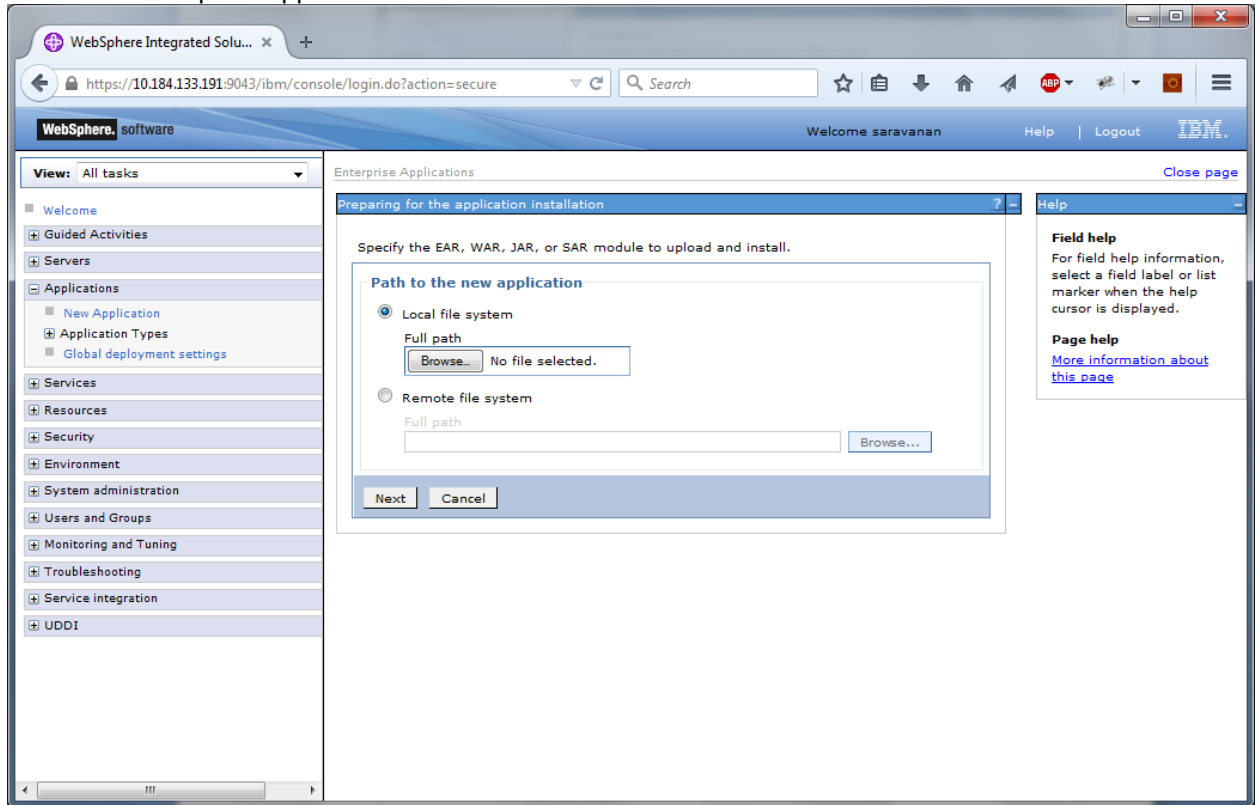


4. Expand Applications from left-side menu and Click 'New Application'.

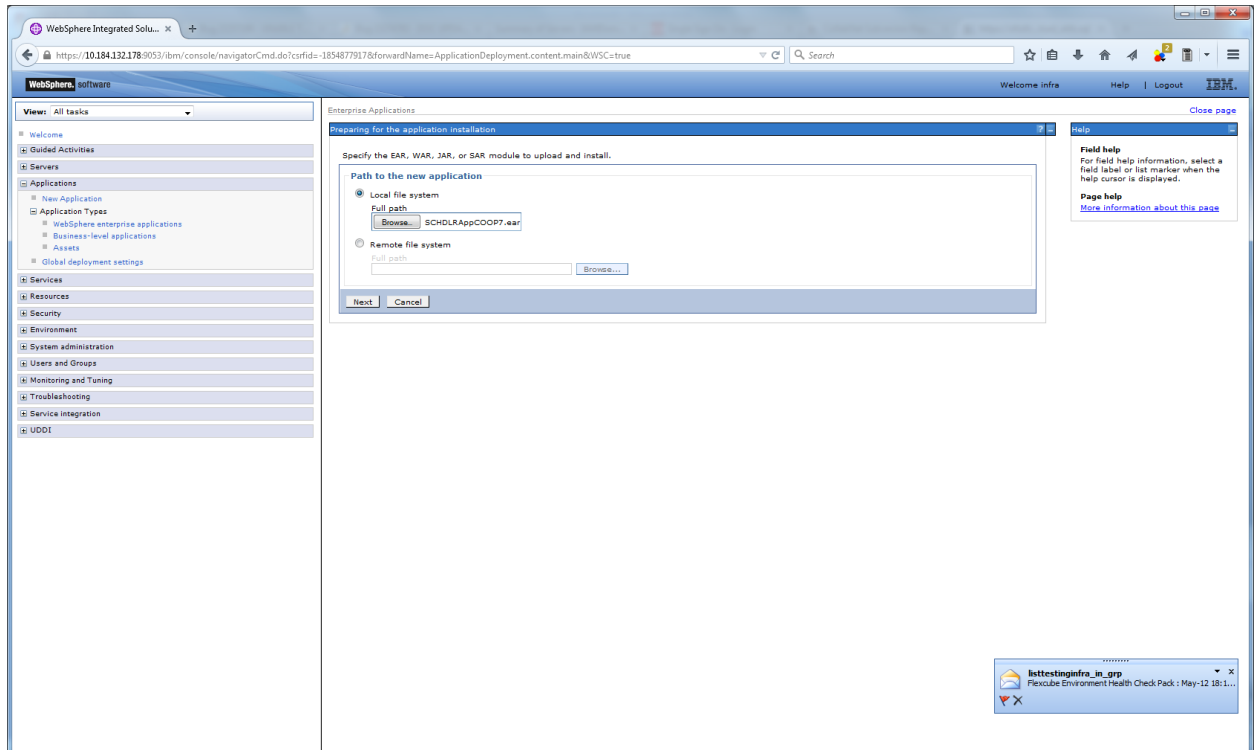
The following screen is displayed.



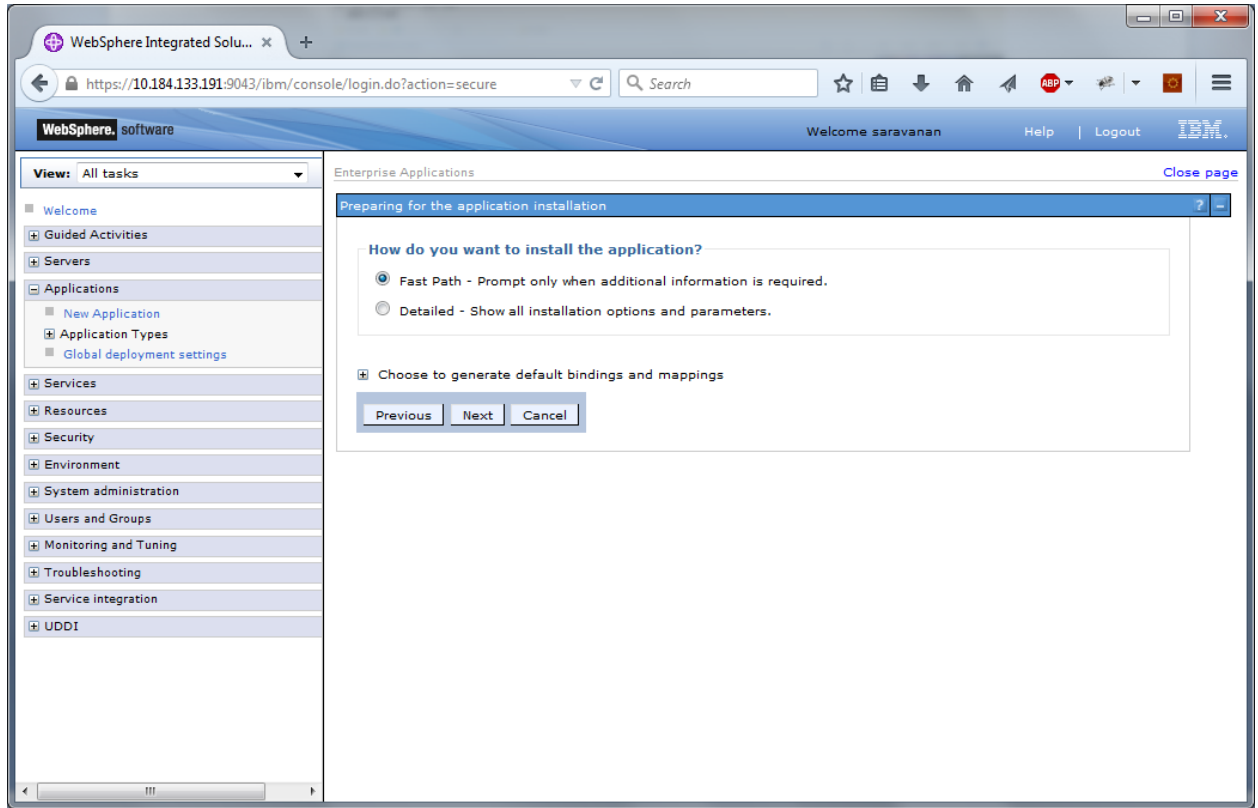
5. Click 'New Enterprise Application.'



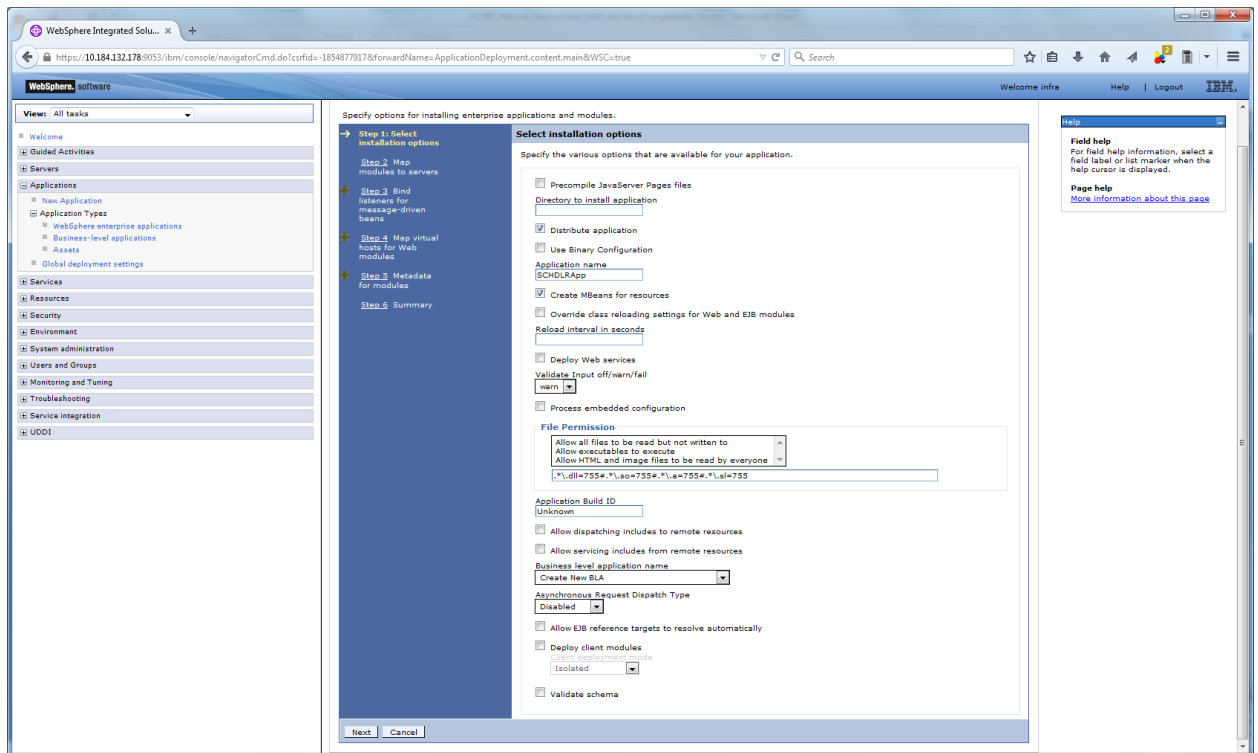
6. Browse the application EAR file and click next button



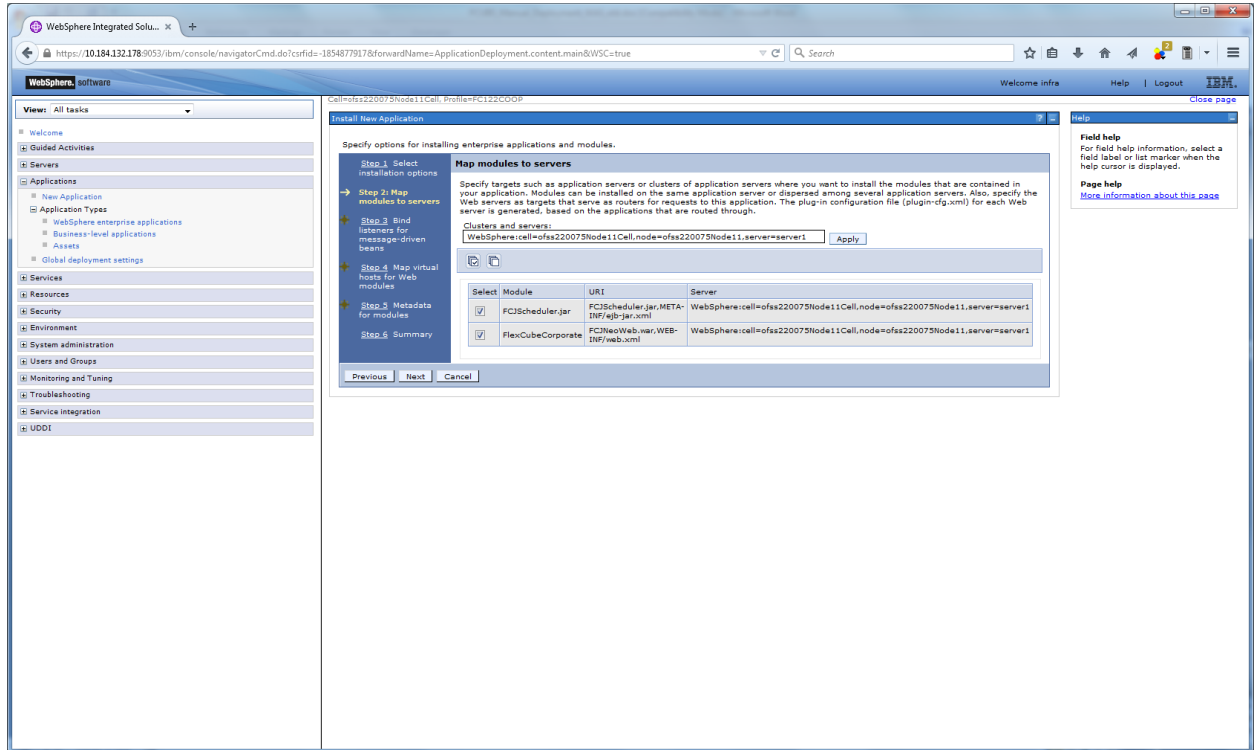
The following screen is displayed.



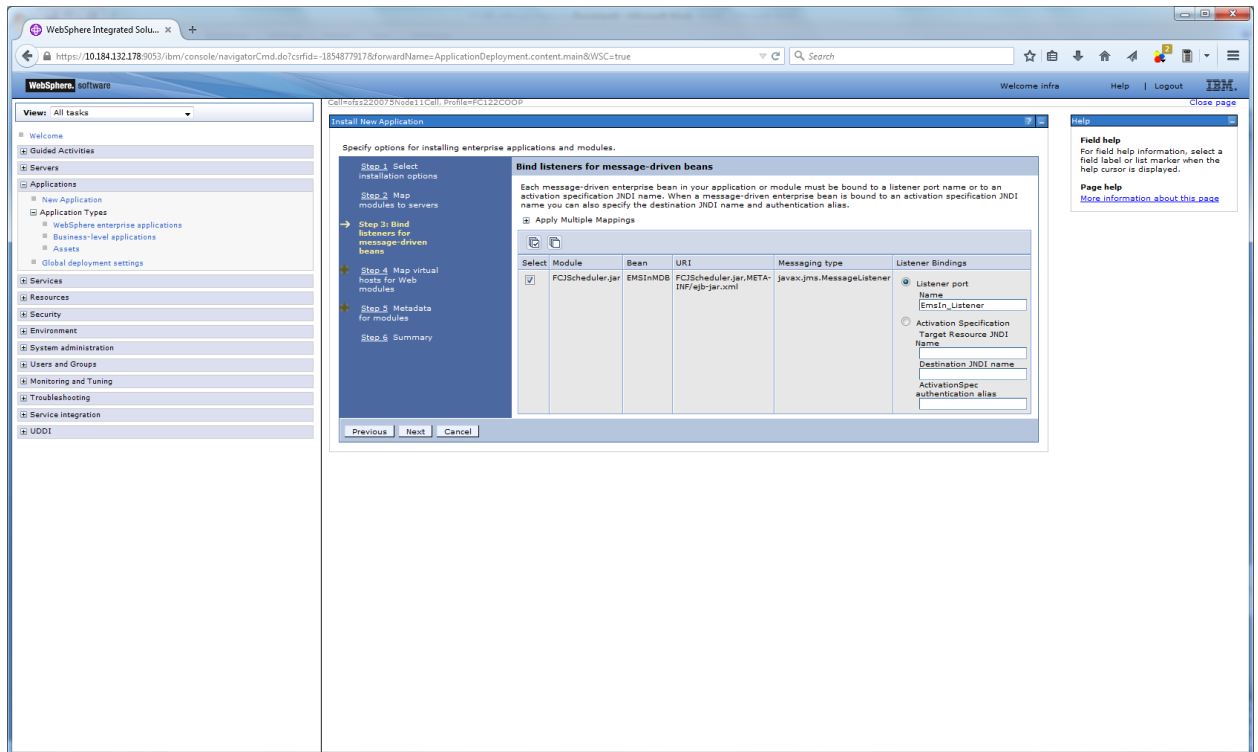
7. Click 'Next'. The following screen is displayed.



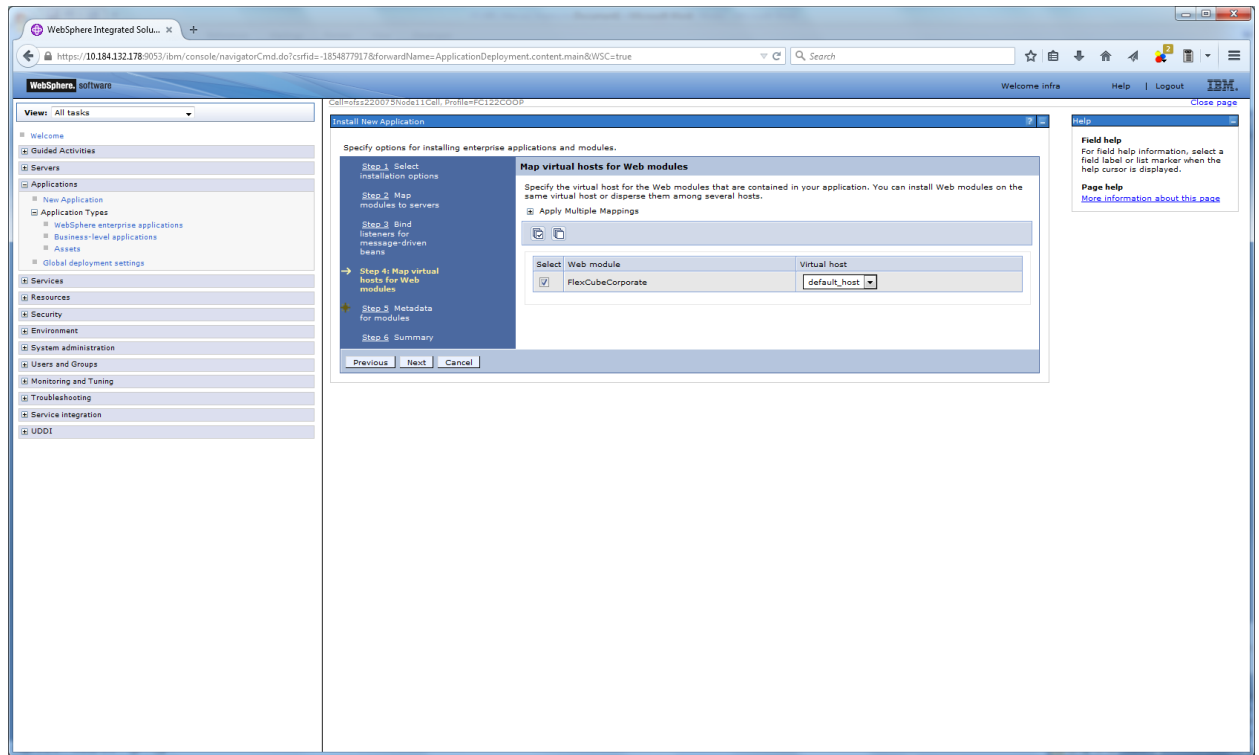
- Enter the Application Name. This should be the application name mentioned as part of EAR building.



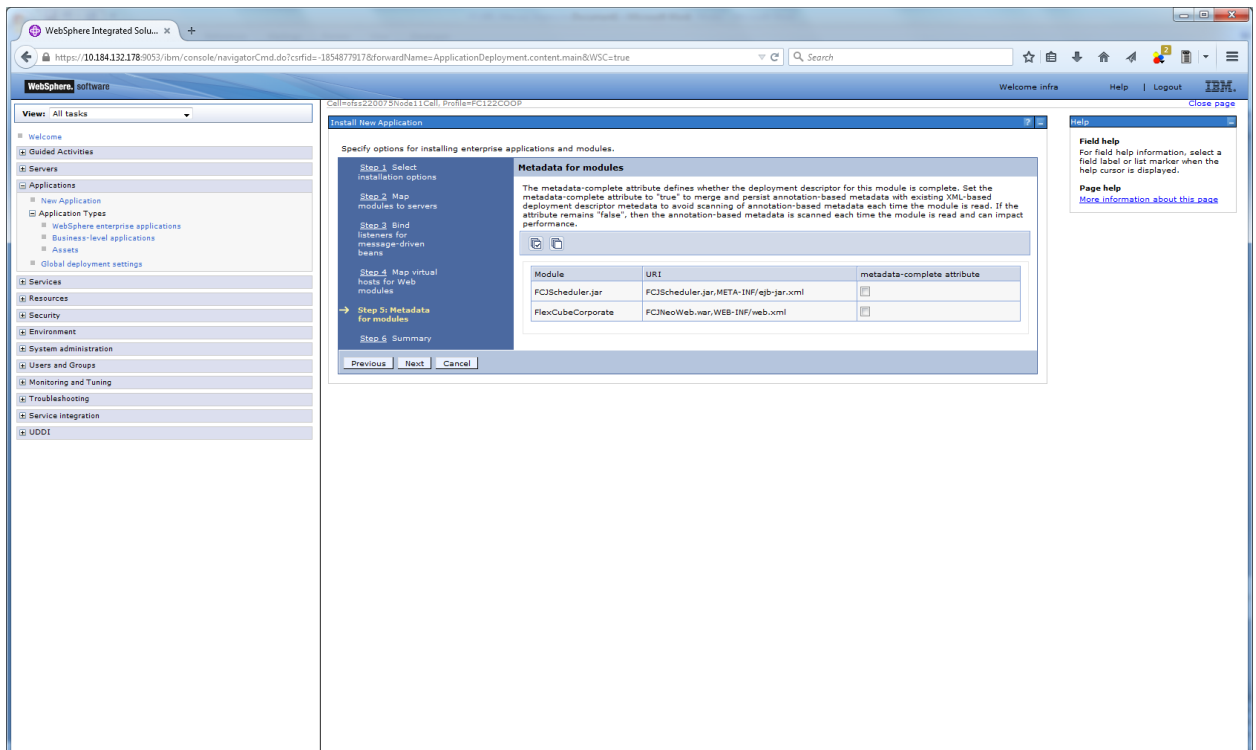
- Check all the options. Click 'Next'. The following screen is displayed.



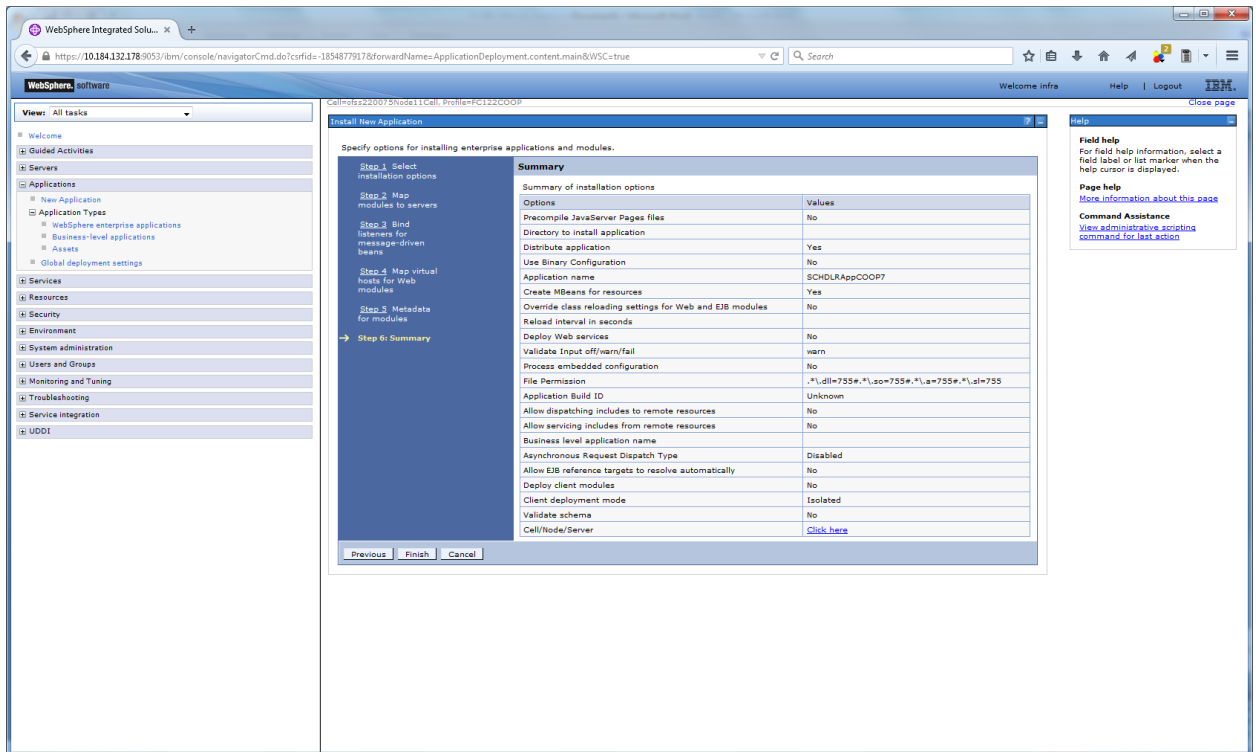
10. Specify the details as shown in the figure.



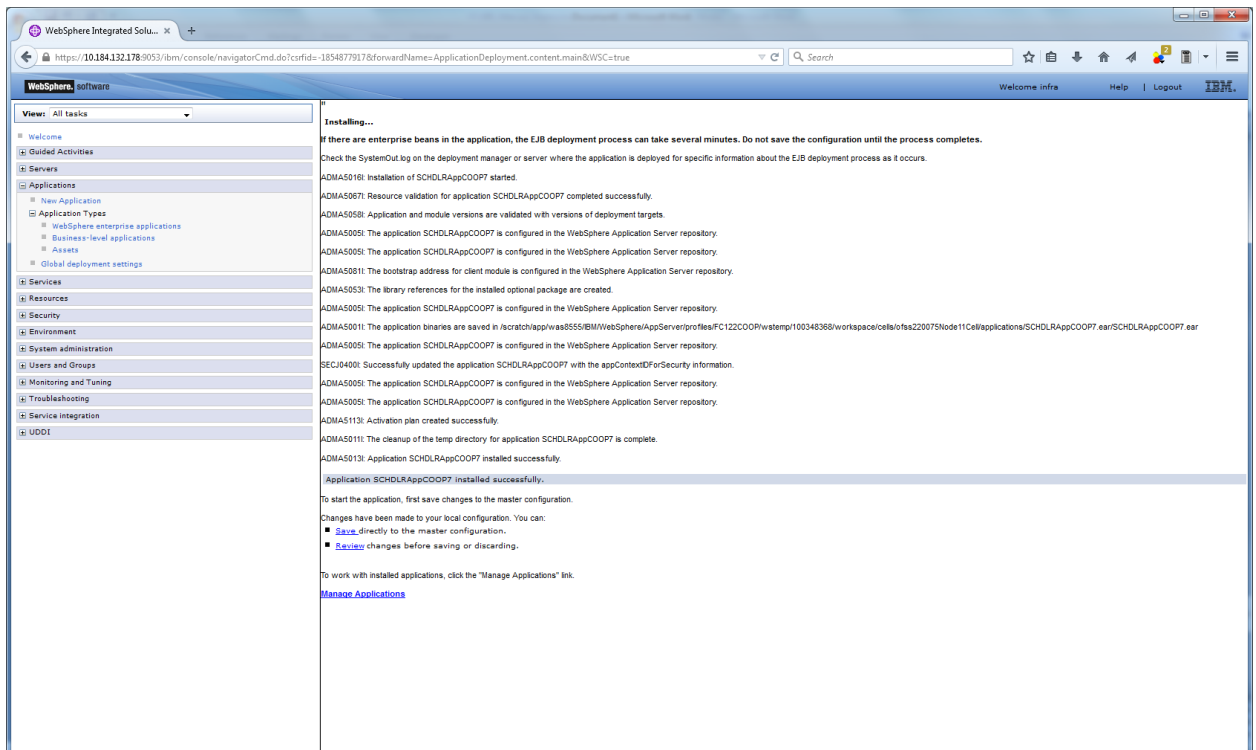
11. Click 'Next'. The following screen is displayed.



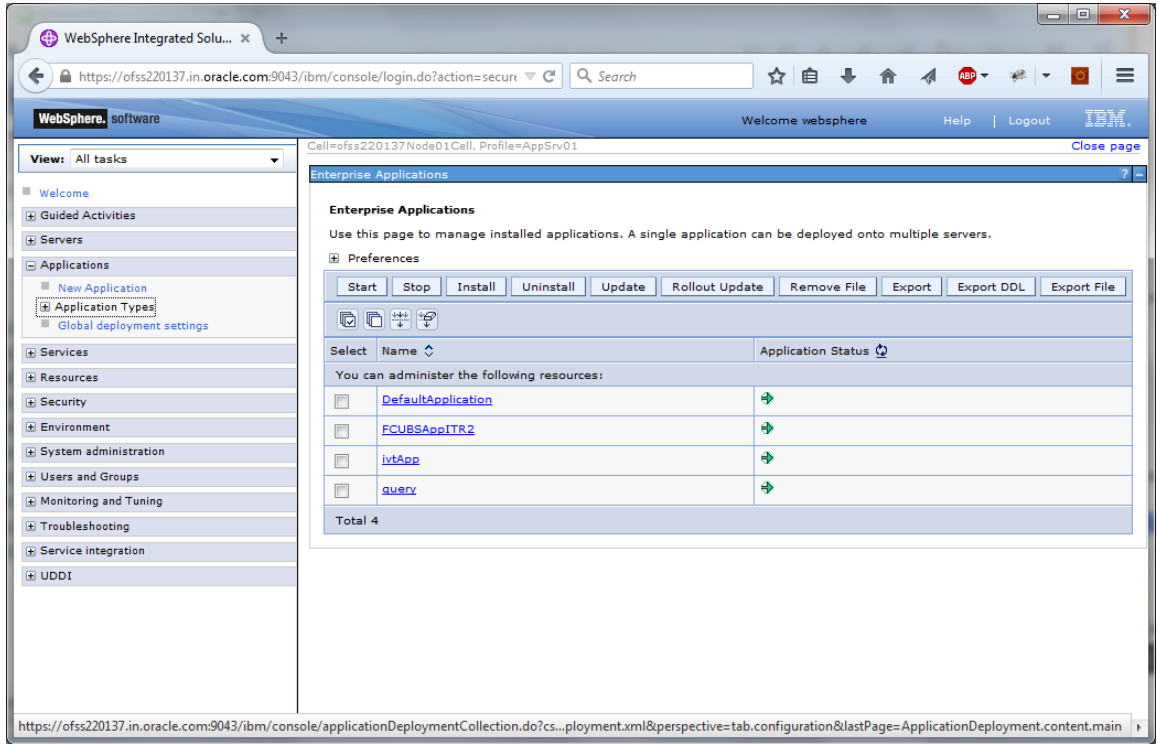
12. Click 'Next'. The following screen is displayed.



13. Click 'Finish'. The following screen is displayed.

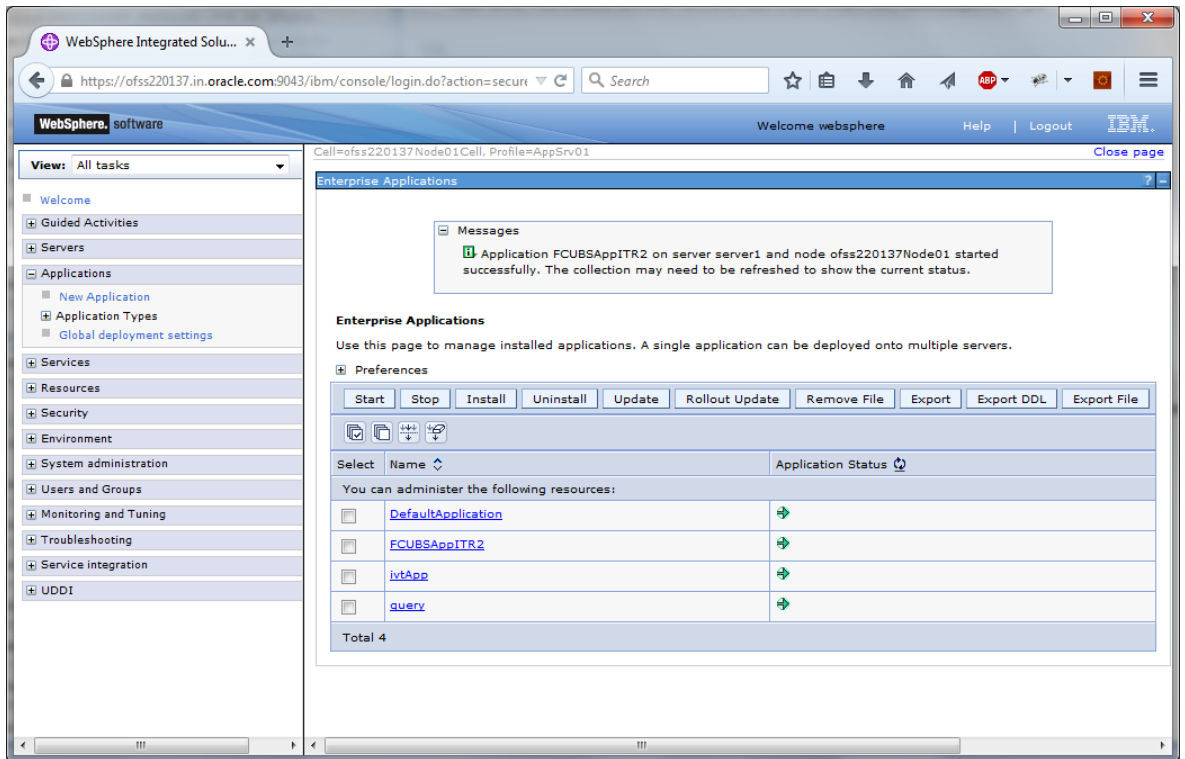


Click 'Save'. The following screen is displayed.



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:

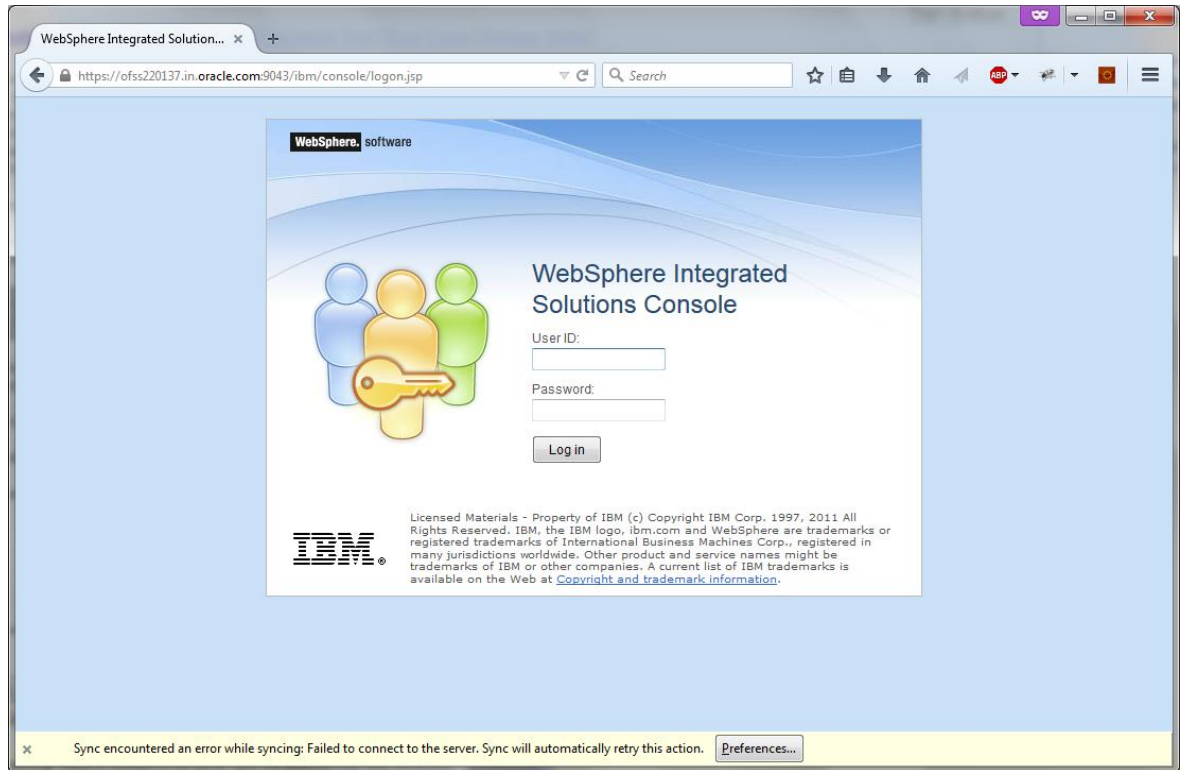
1. Open the Administrative Console of WebSphere server:

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

Eg: `https://10.10.10.10:1010/console`

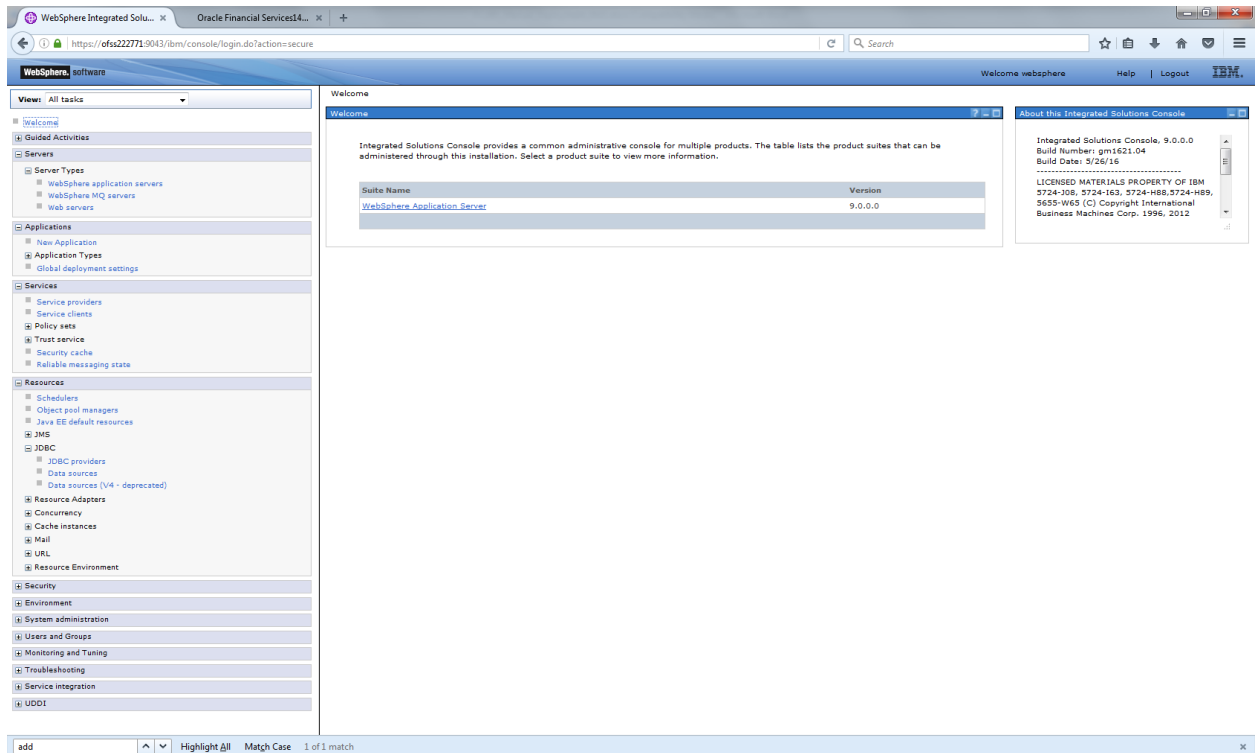
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



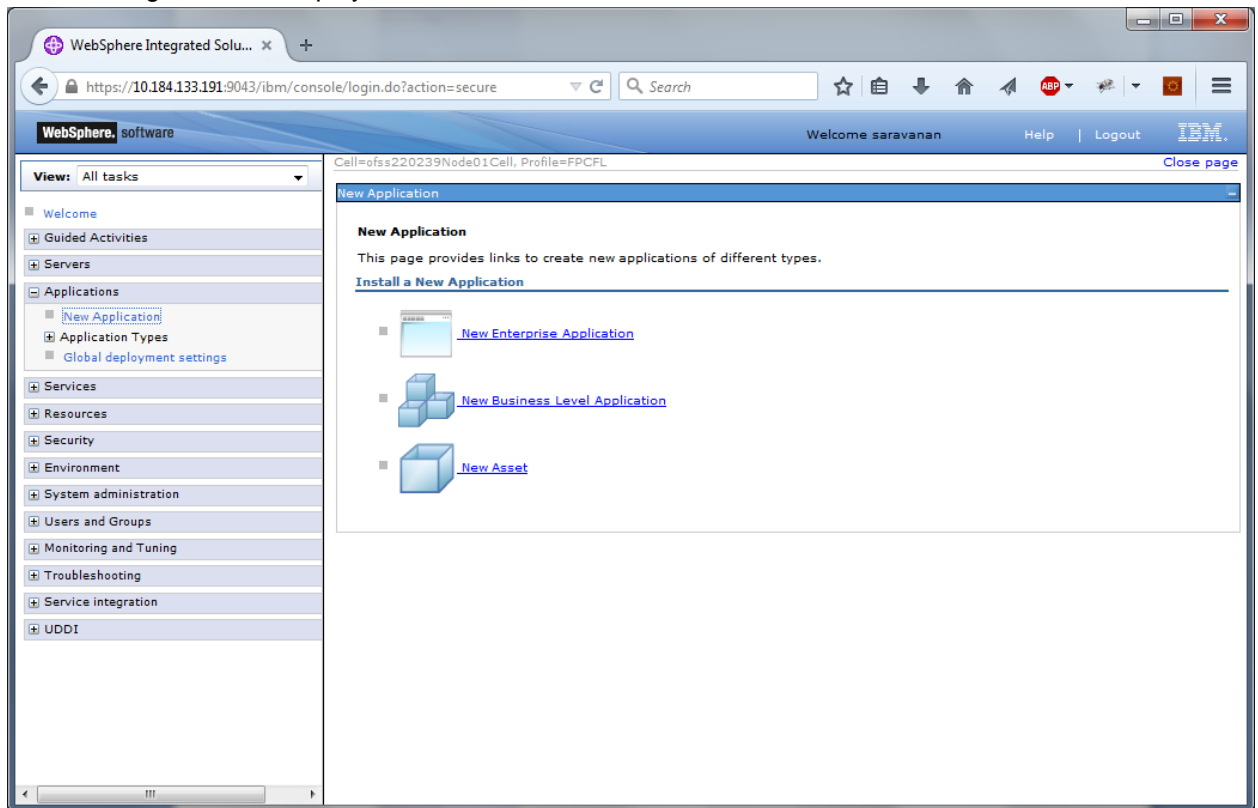
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

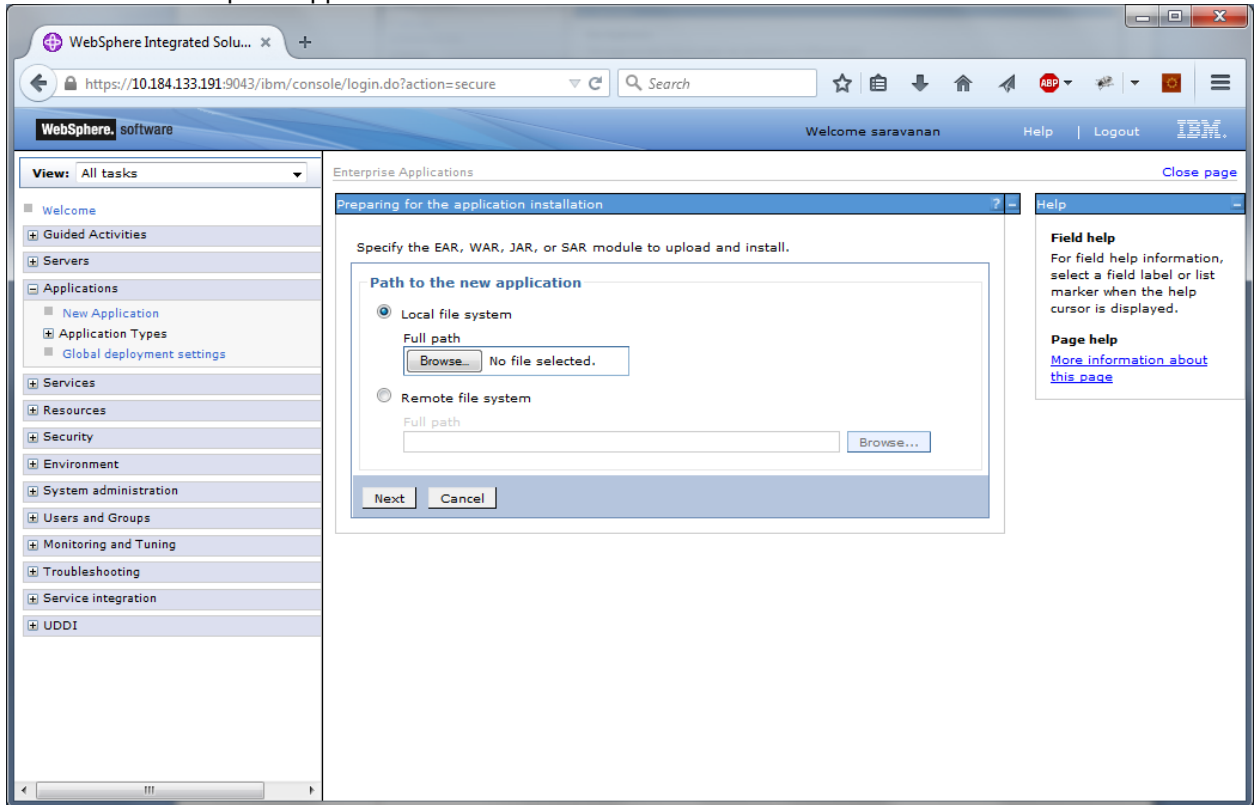


4. Expand Applications from left-side menu and Click 'New Application'.

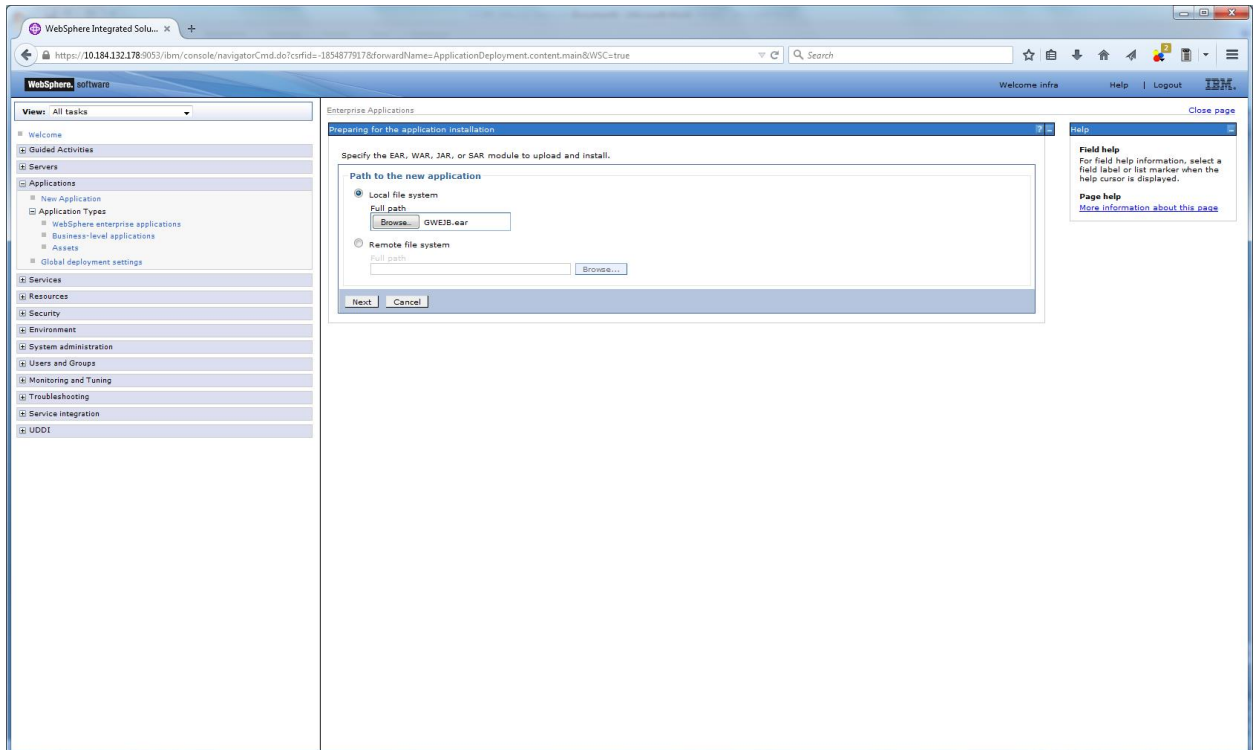
The following screen is displayed.



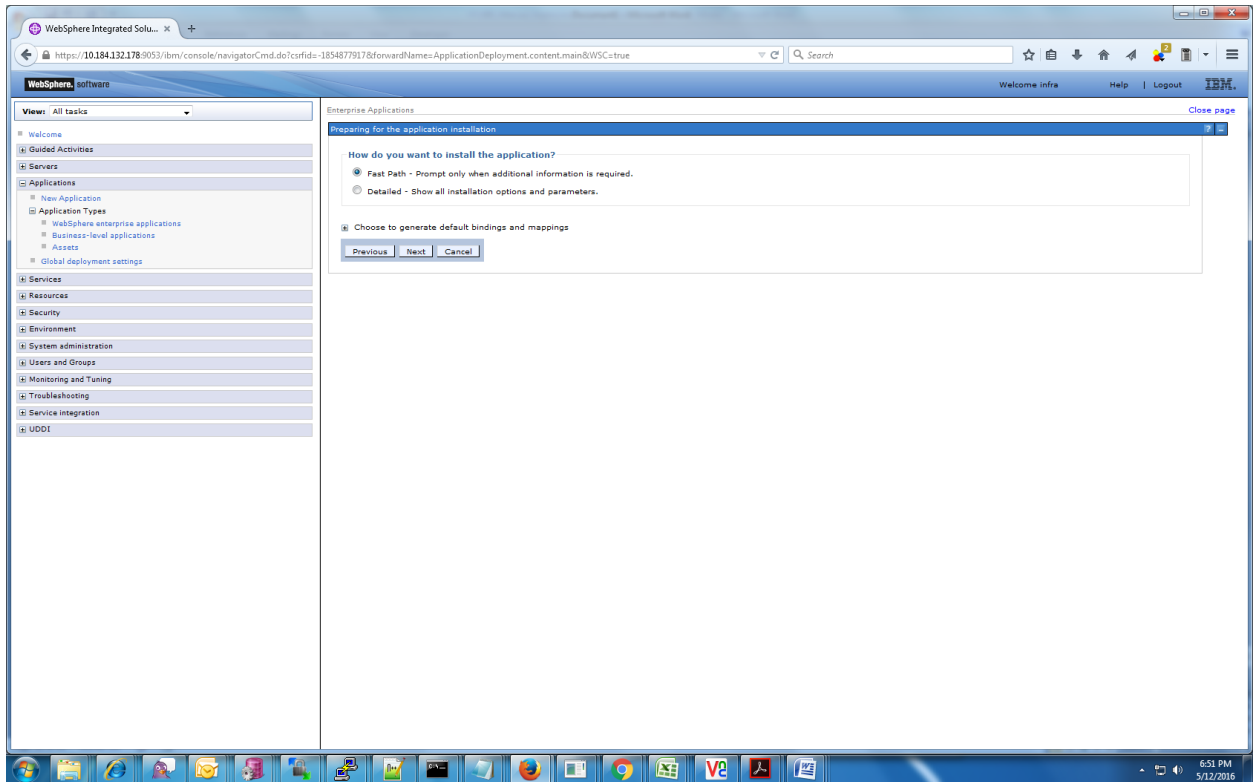
5. Click 'New Enterprise Application.'



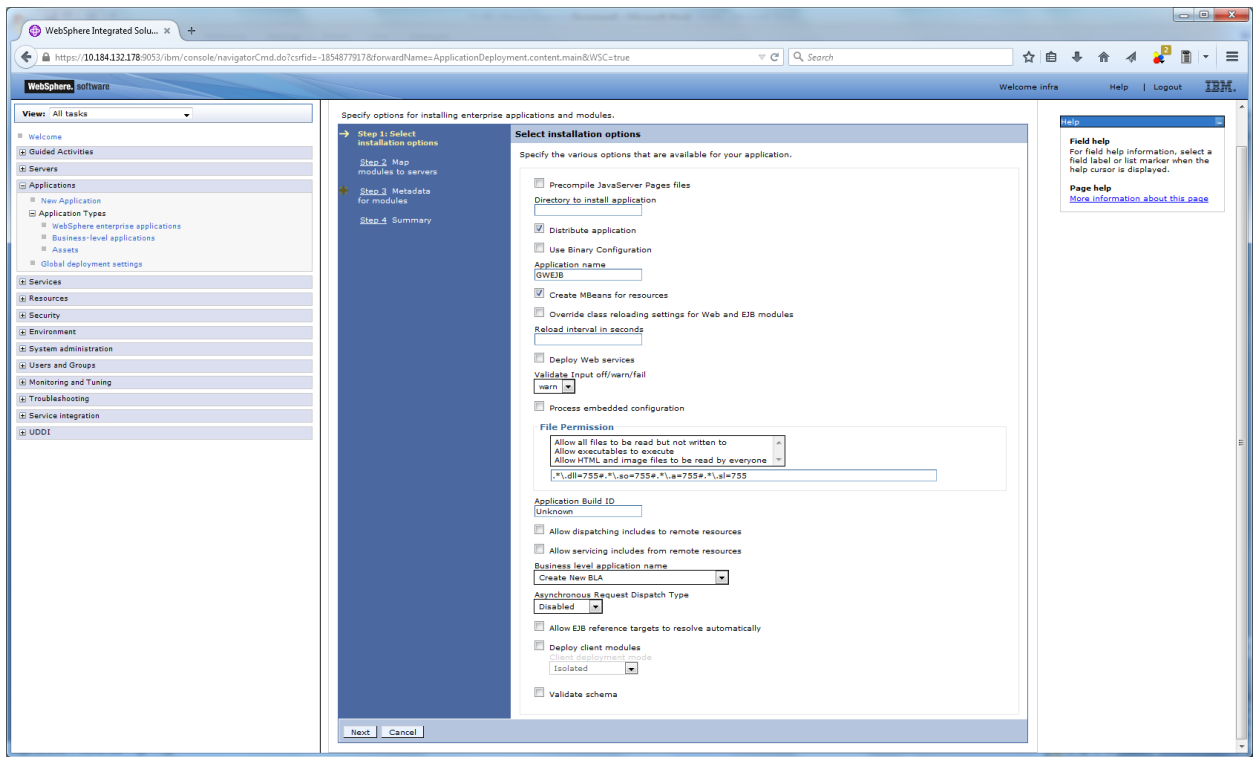
6. Browse the application EAR file and click next button



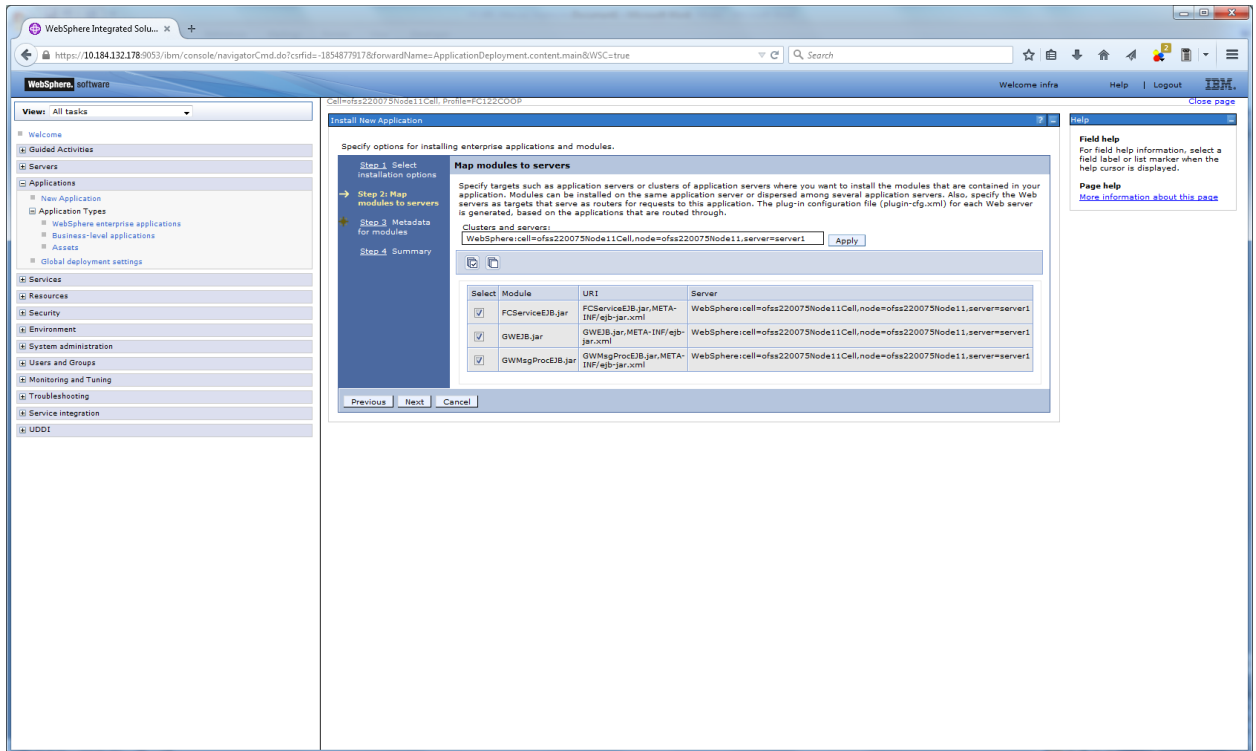
7. Click Next and the following screen is displayed.



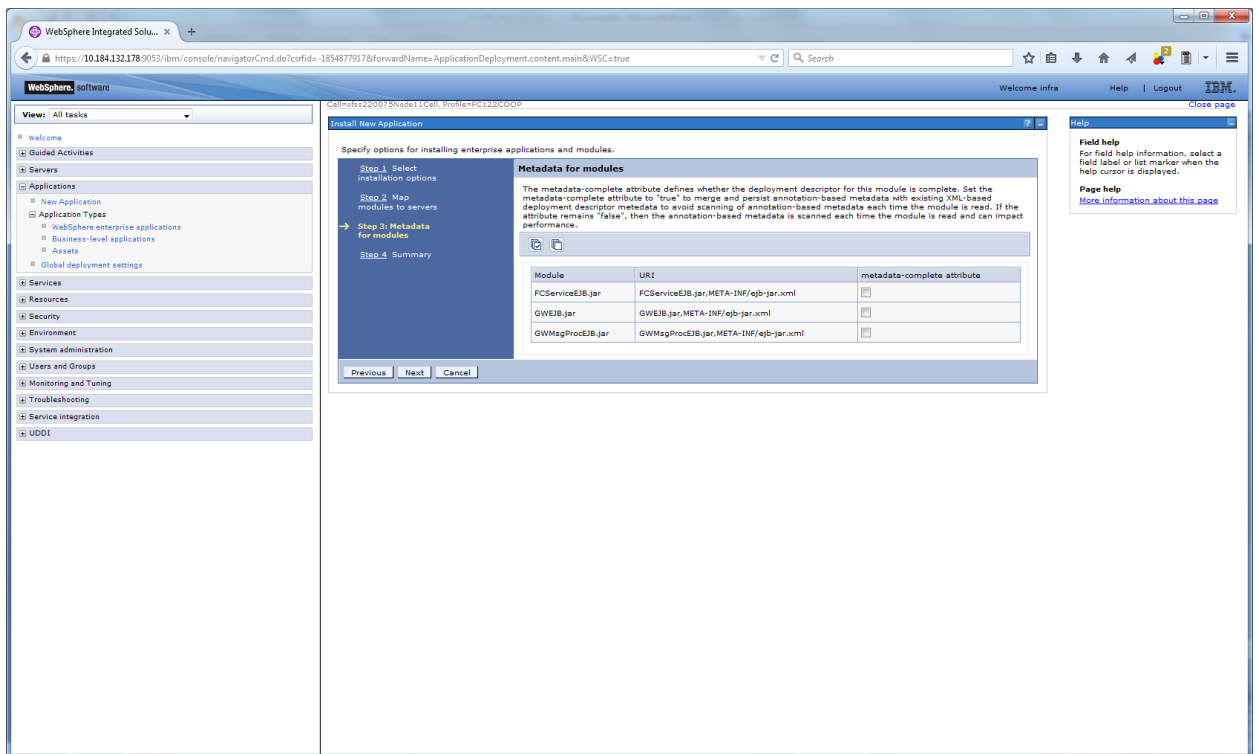
8. Click next and the following screen is displayed.



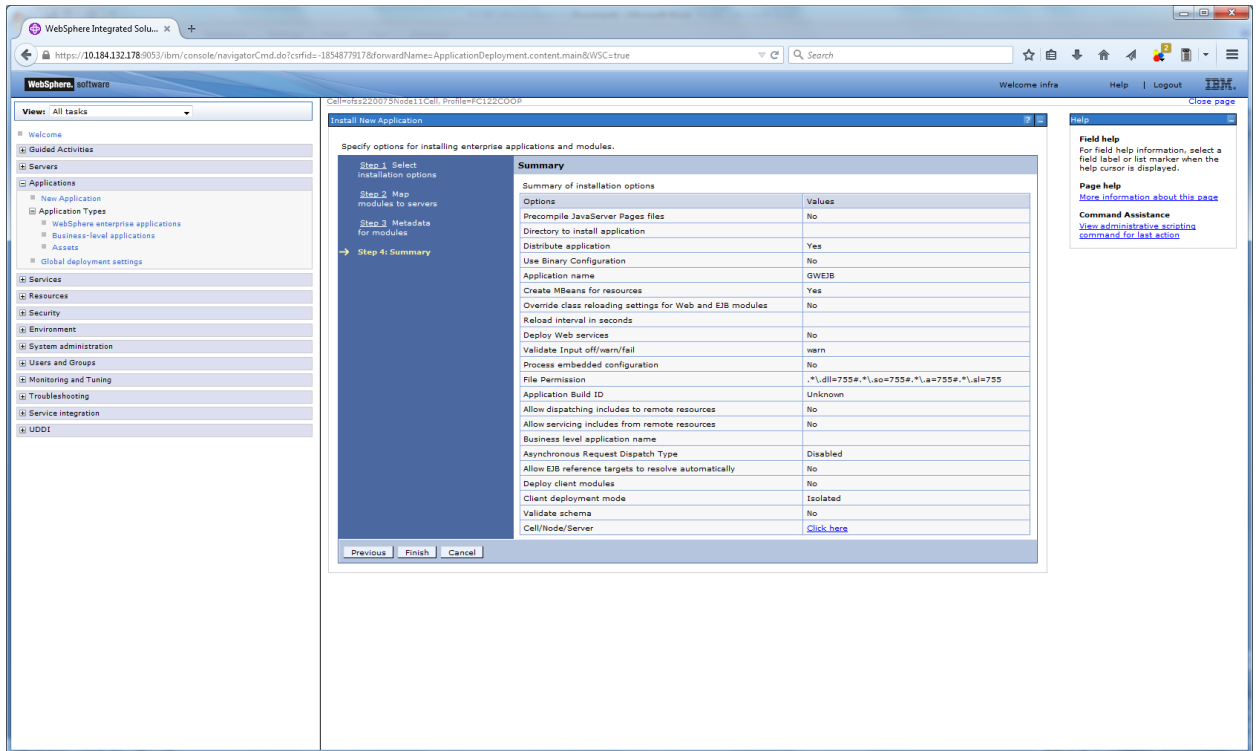
9. Click next and the following screen is displayed.



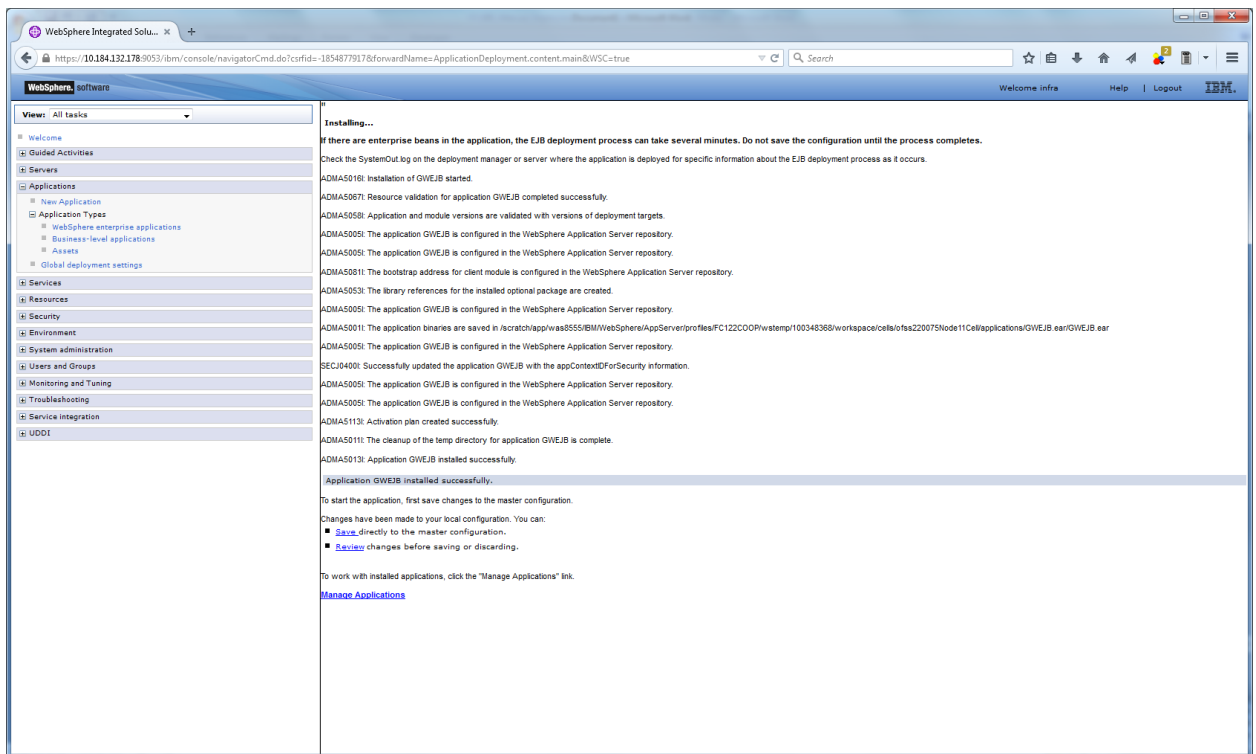
10. click next and the following Screen is displayed.



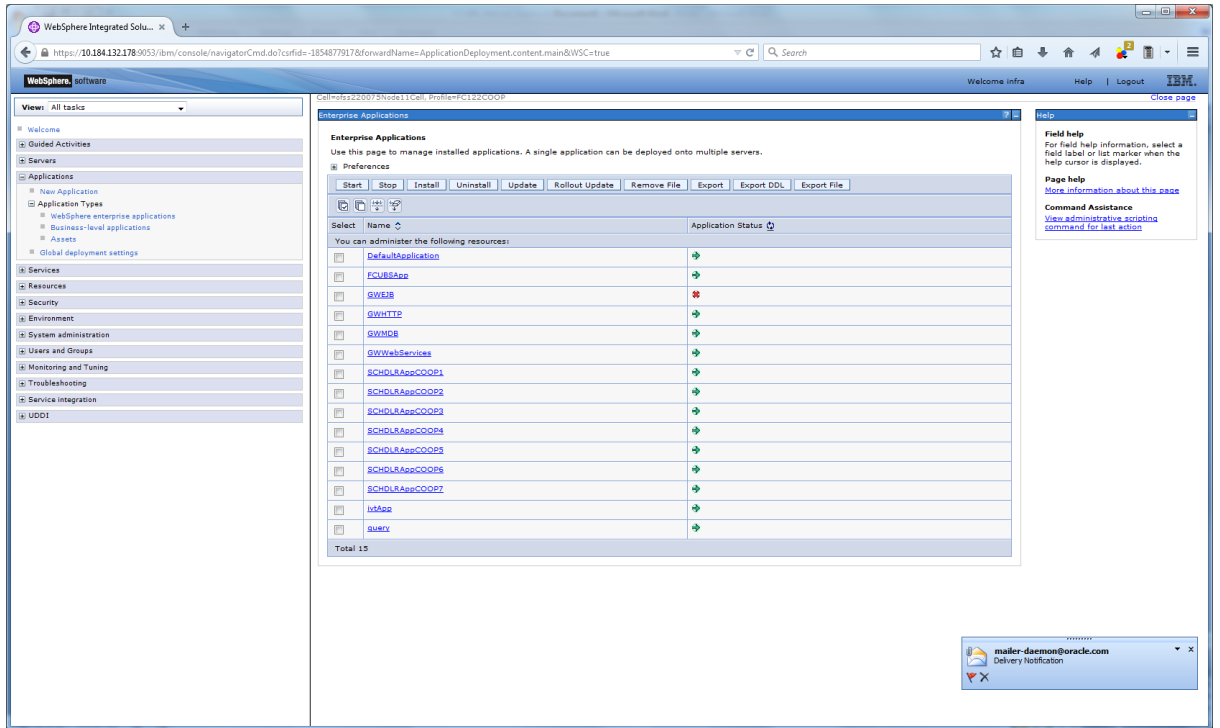
11. Click next and the following screen is displayed.



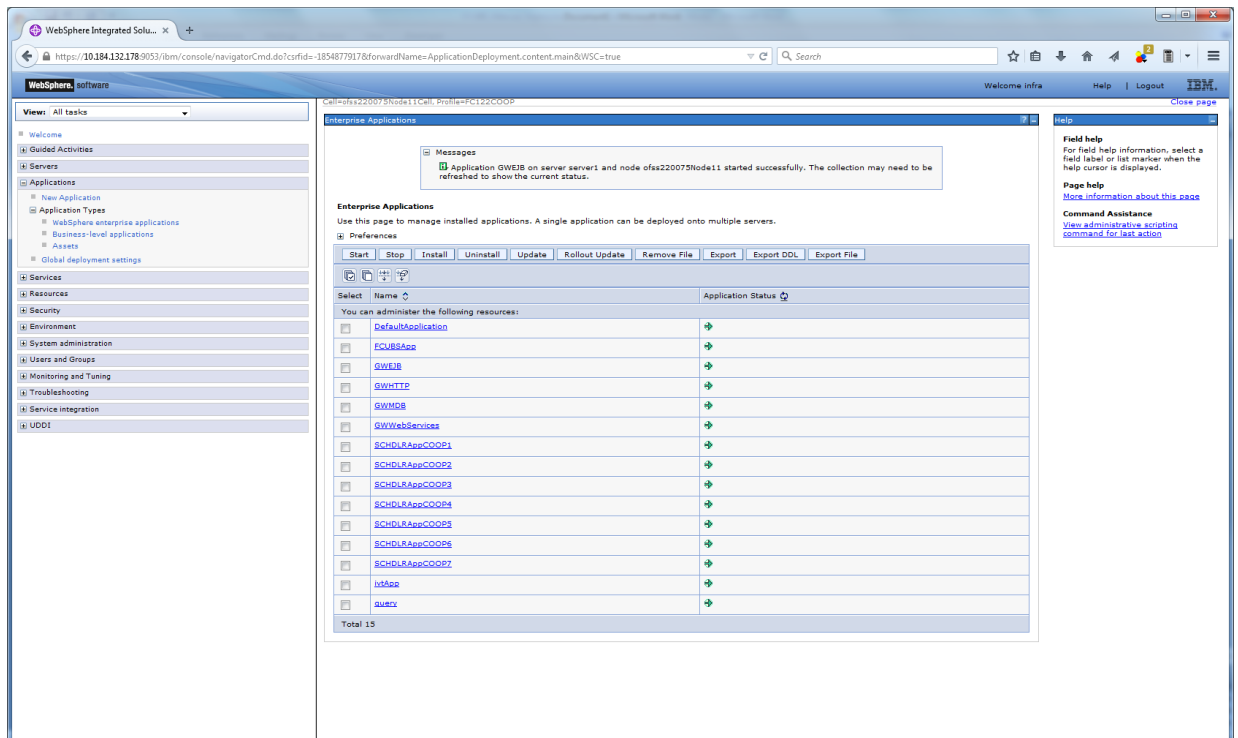
12. Click on finish and the following screen is displayed.



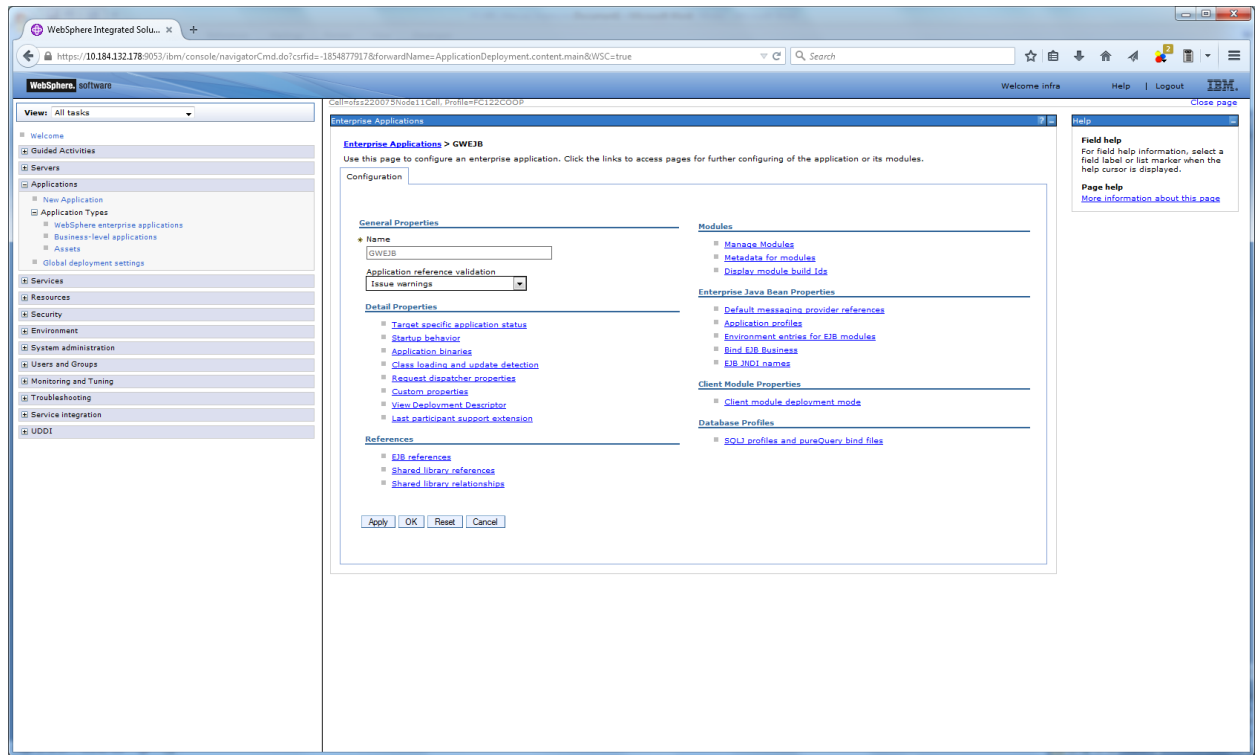
13. Click on save and the following screen is displayed.



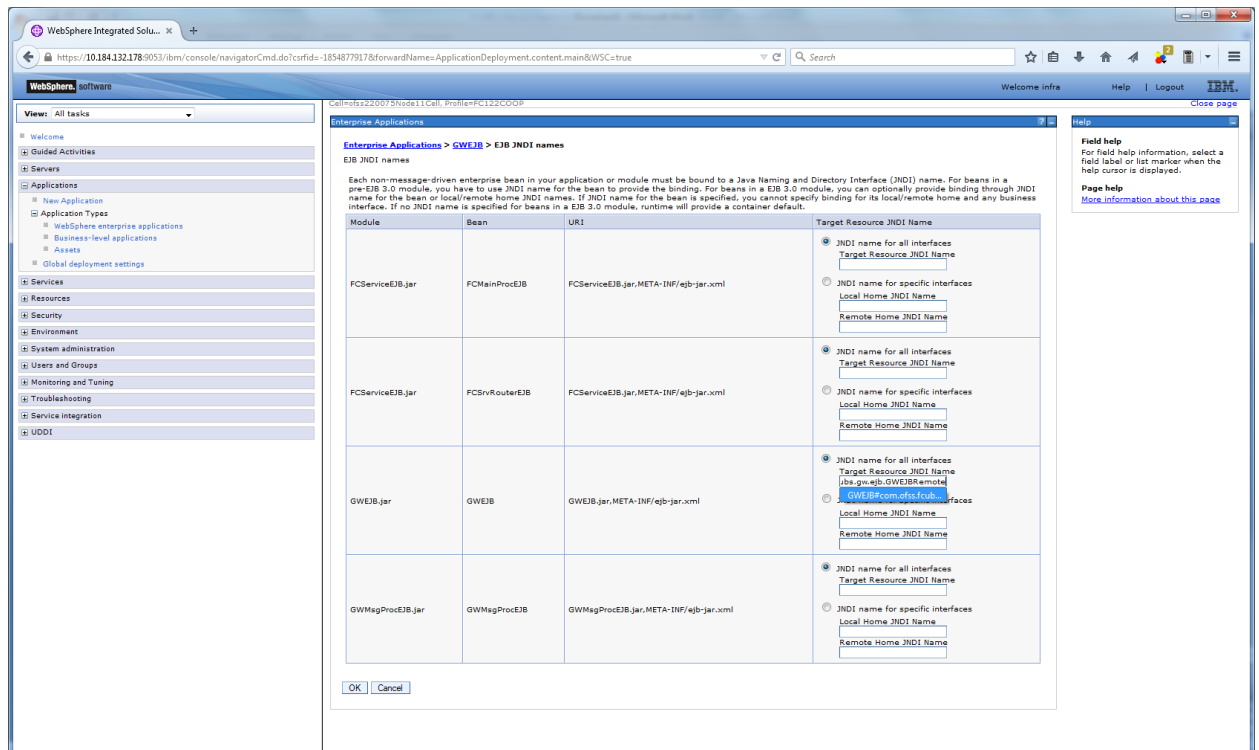
15. Select the deployed application and click on start



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



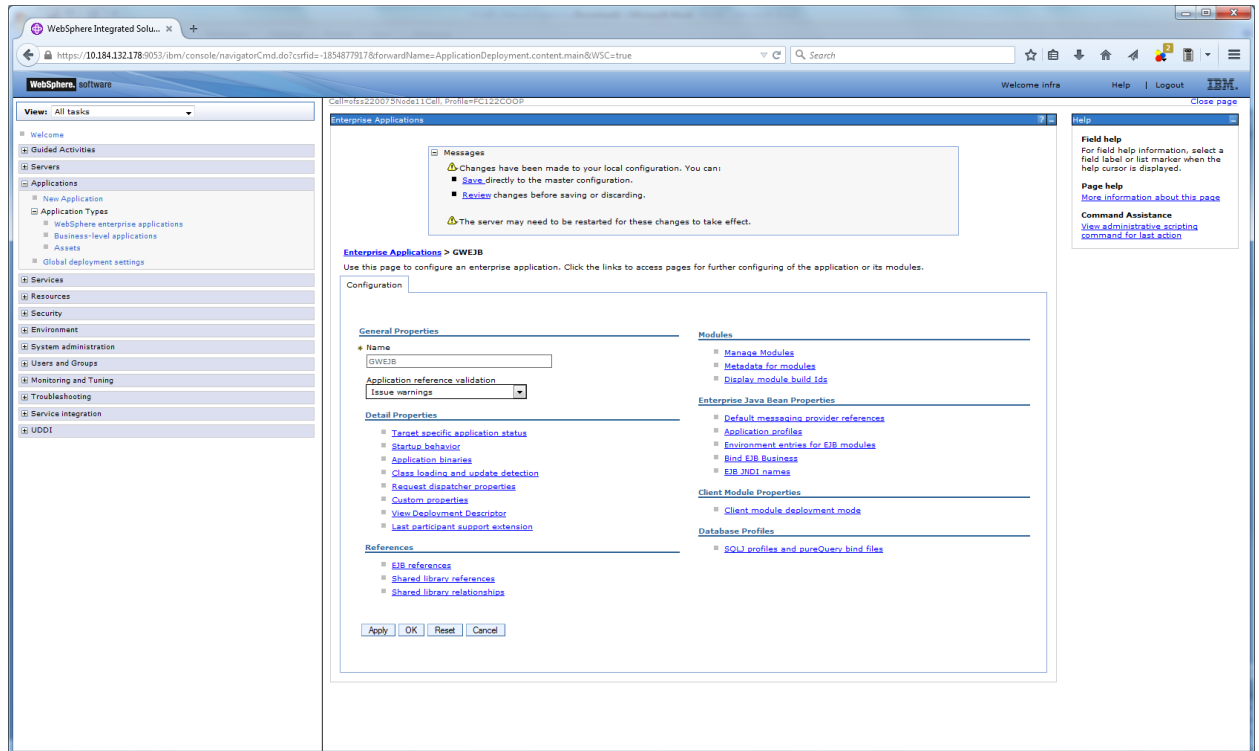
17. Click on EJB JNDI names and the following screen is displayed.



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:

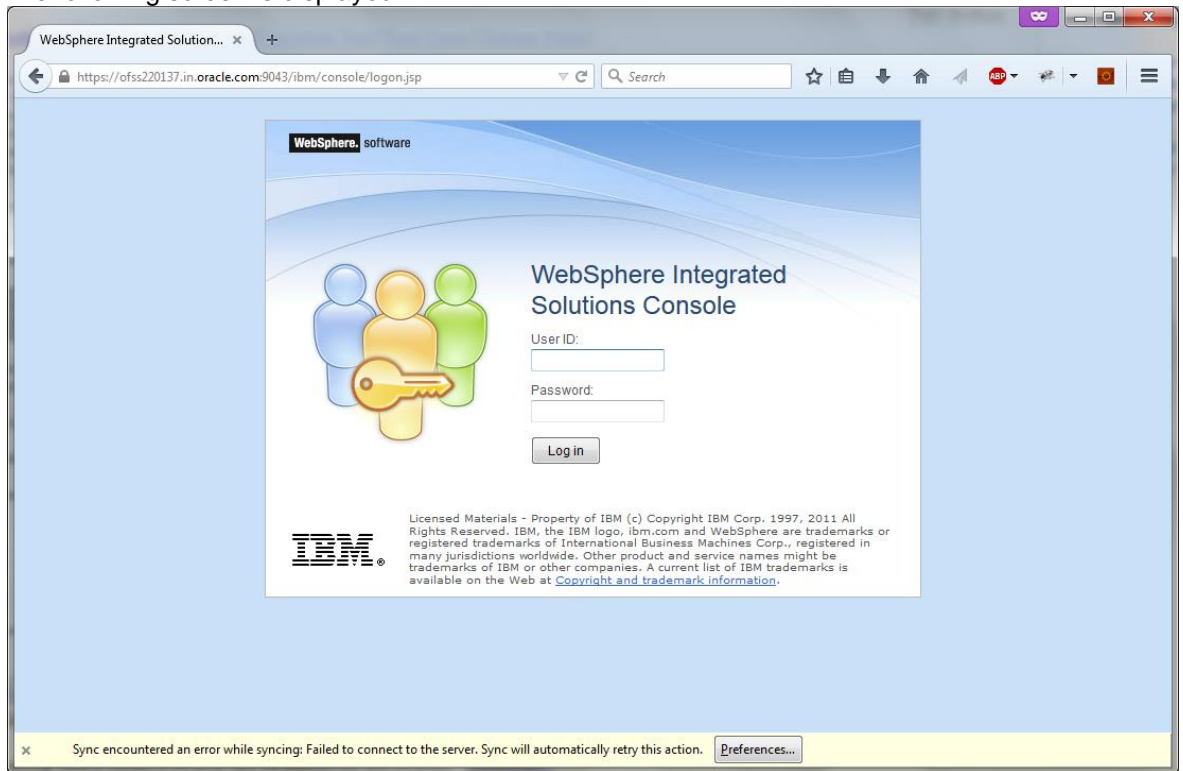
1. Open the Administrative Console of WebSphere server:

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

Eg: `https://10.10.10.10:1010/console`

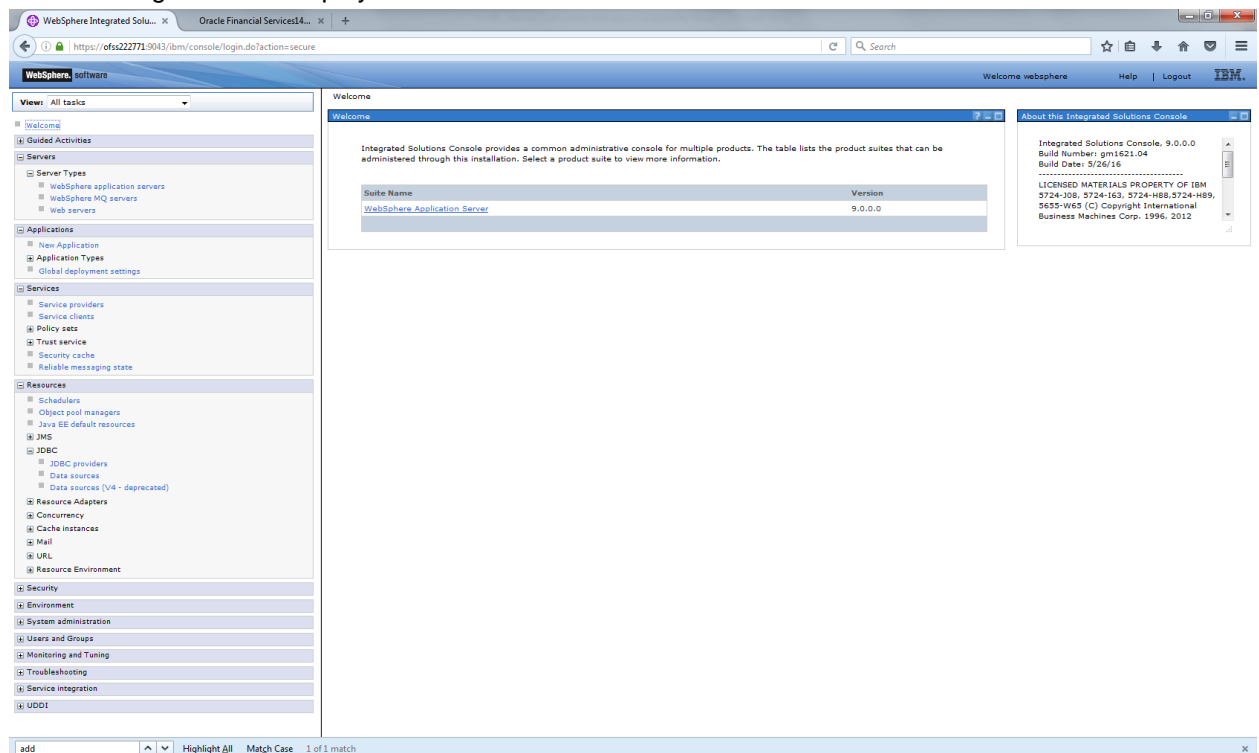
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



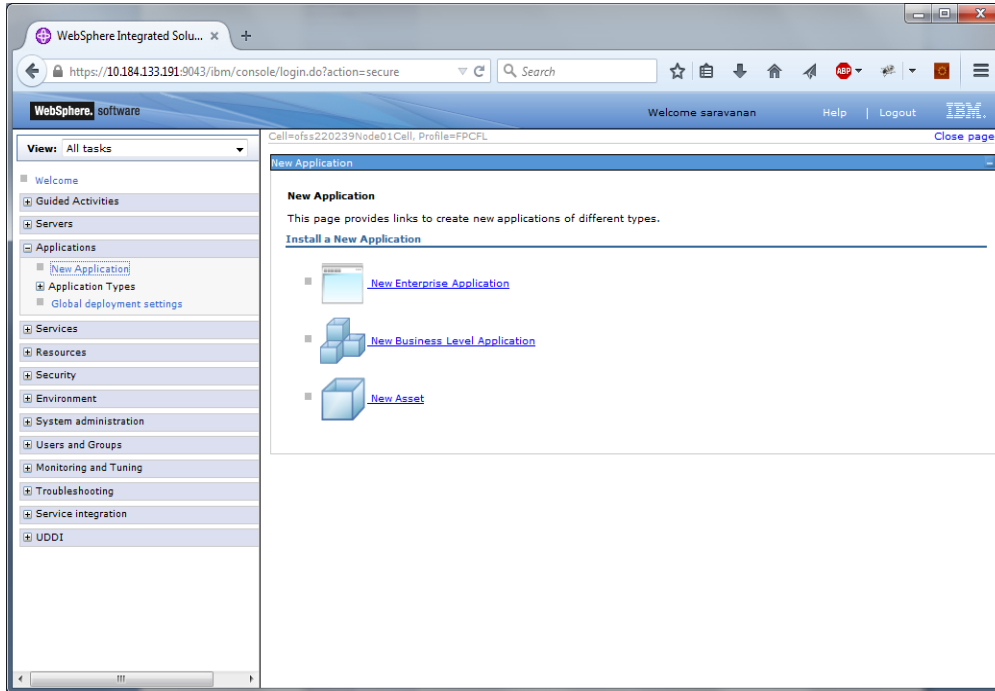
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

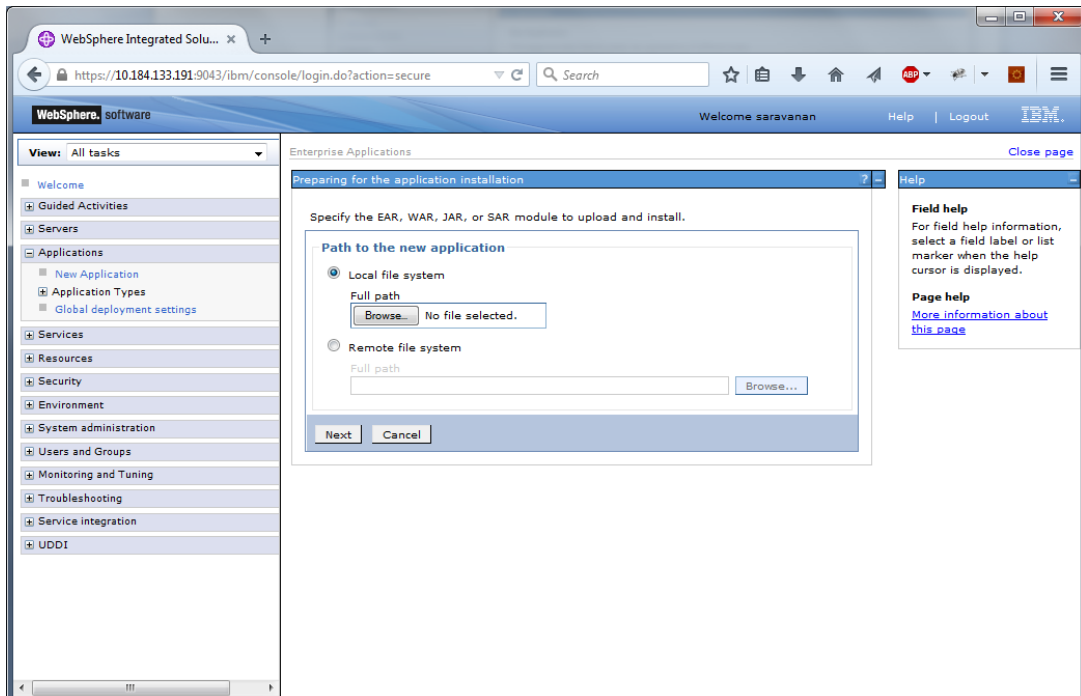


- Expand Applications from left-side menu and Click 'New Application'.

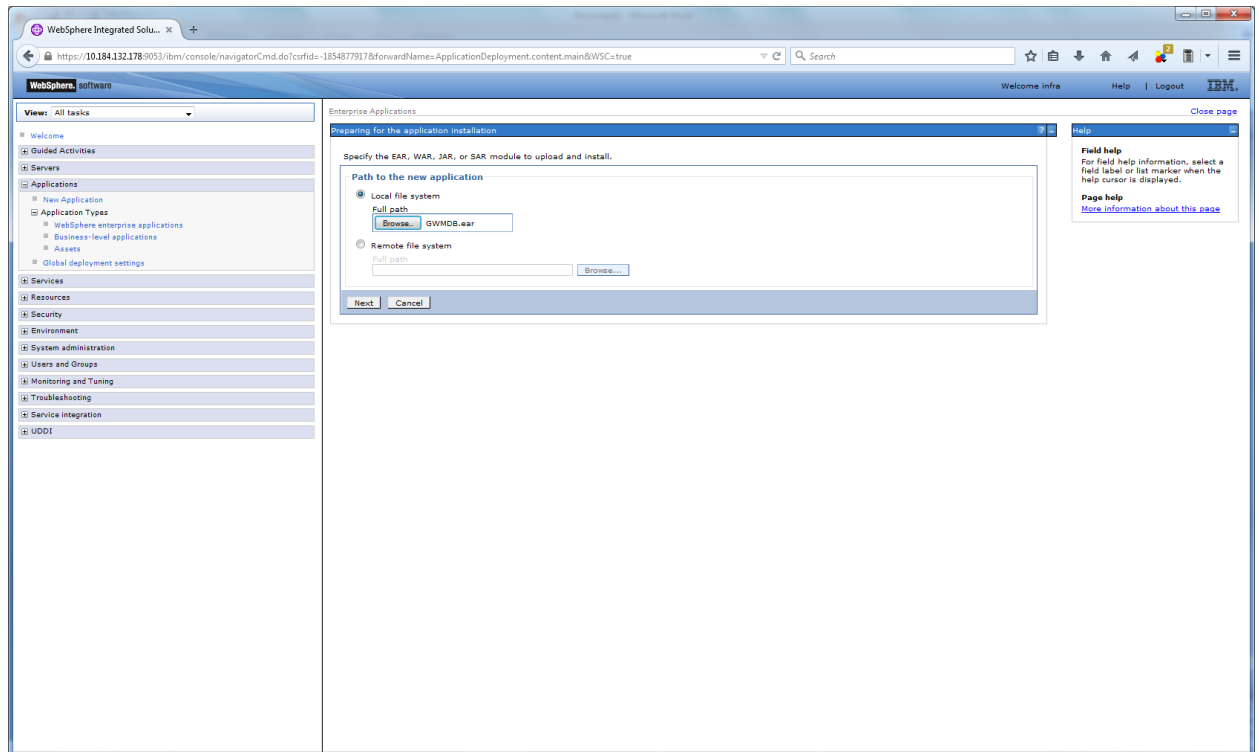
The following screen is displayed.



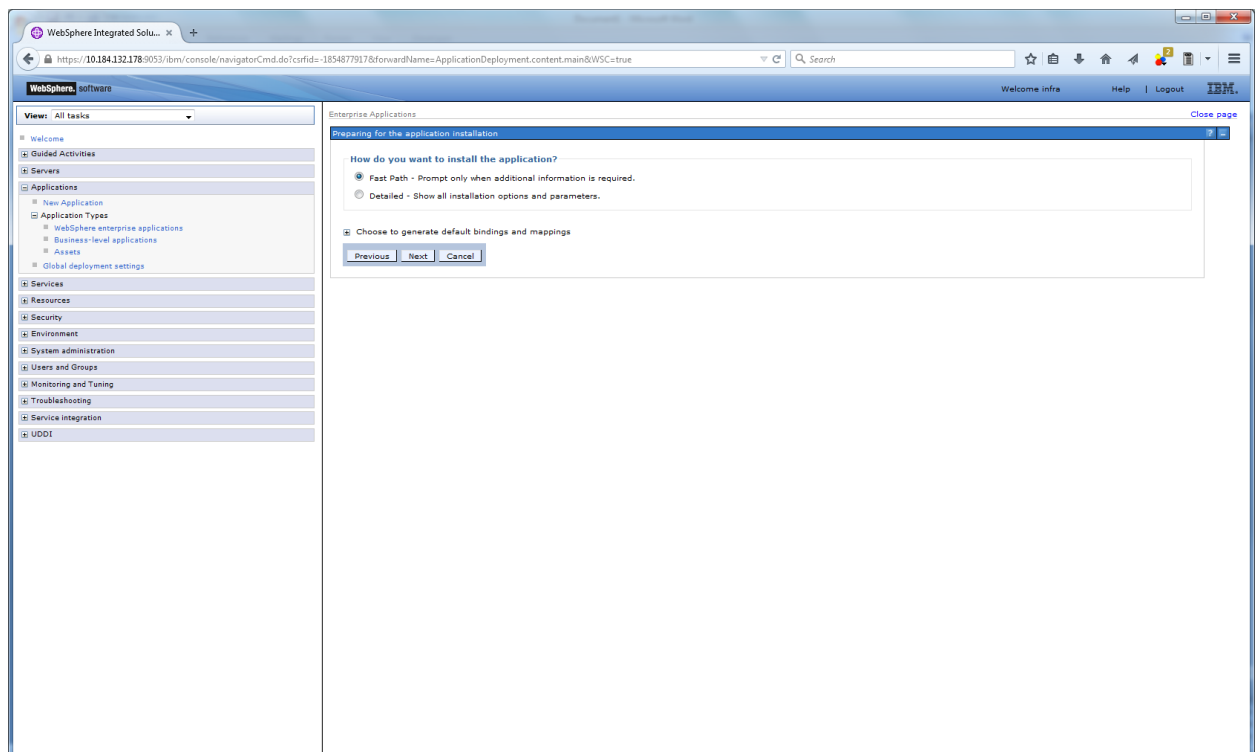
- Click 'New Enterprise Application'.



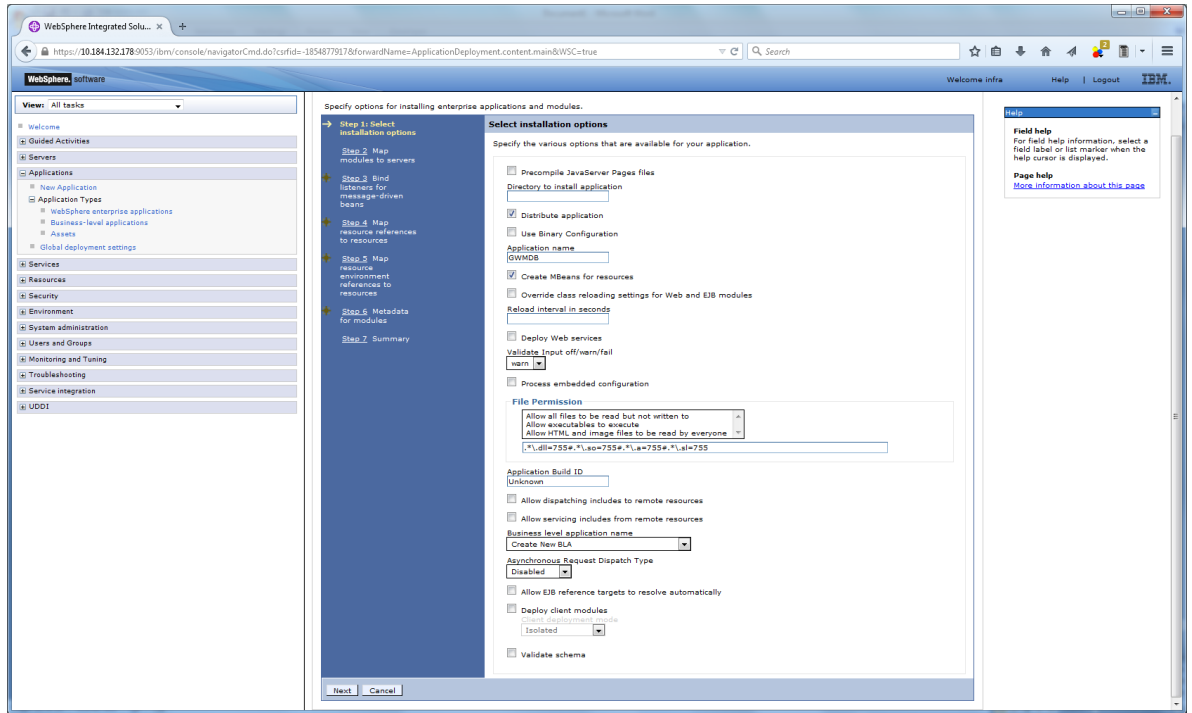
6. Click on Browse and select the MDB EAR and the following screen is displayed



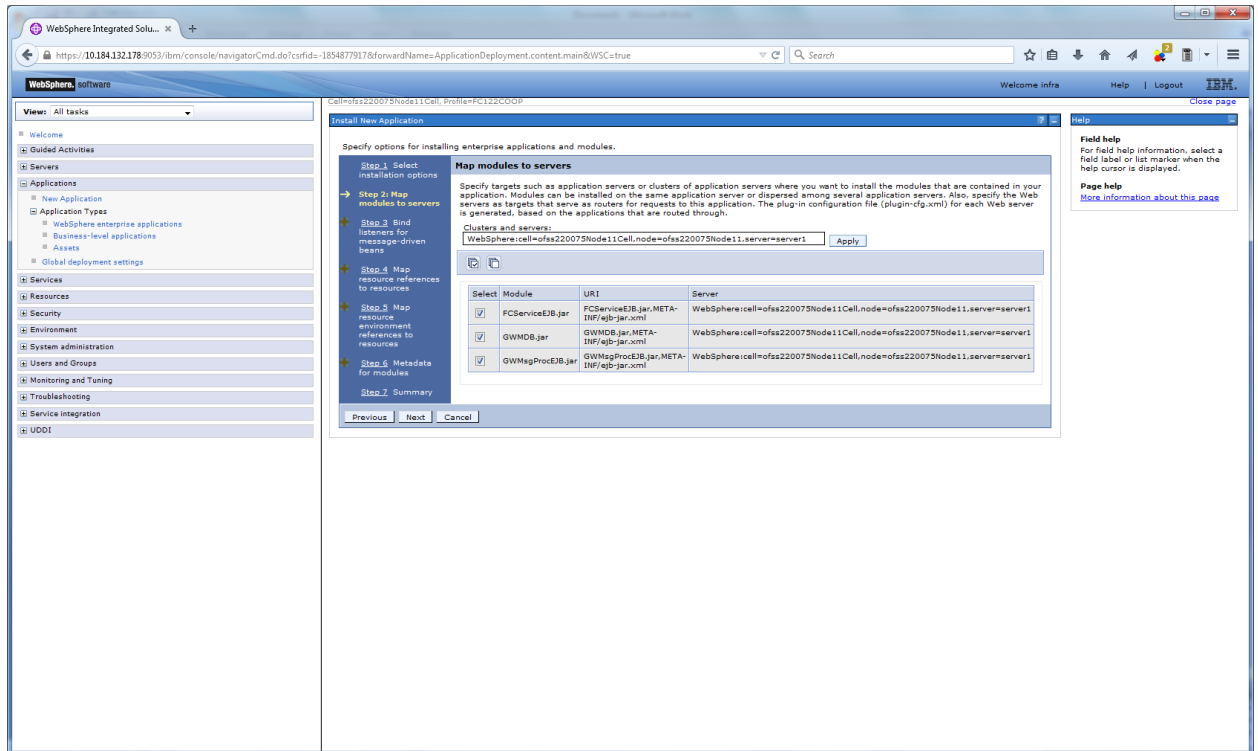
7. Click on next and the following screen is displayed.



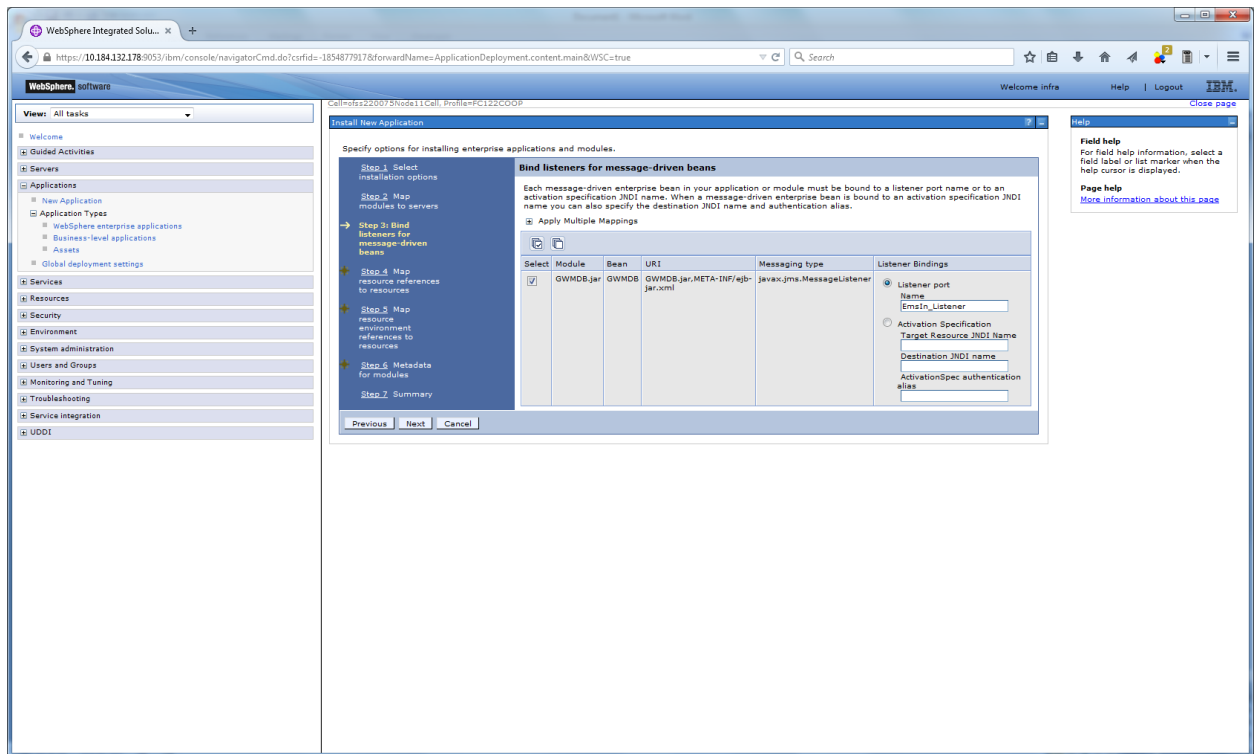
8. Click on next and the following screen is displayed.



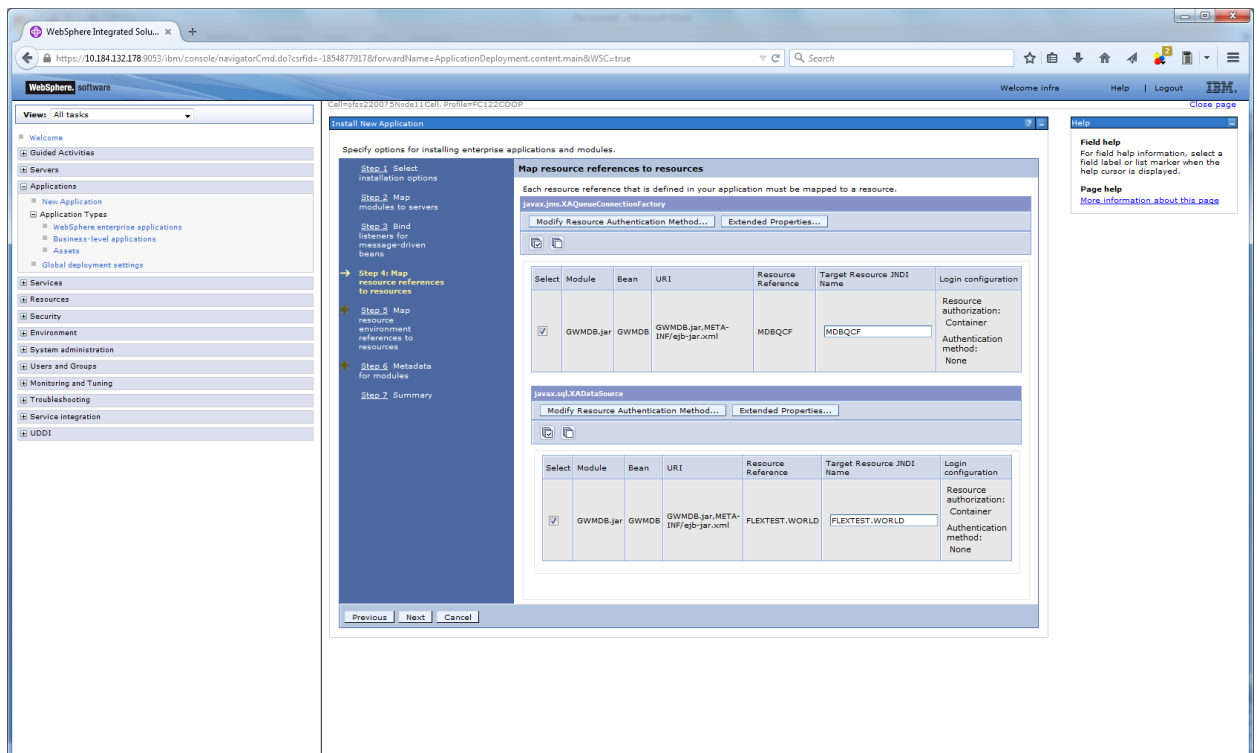
9. Click on next and the following screen is displayed.



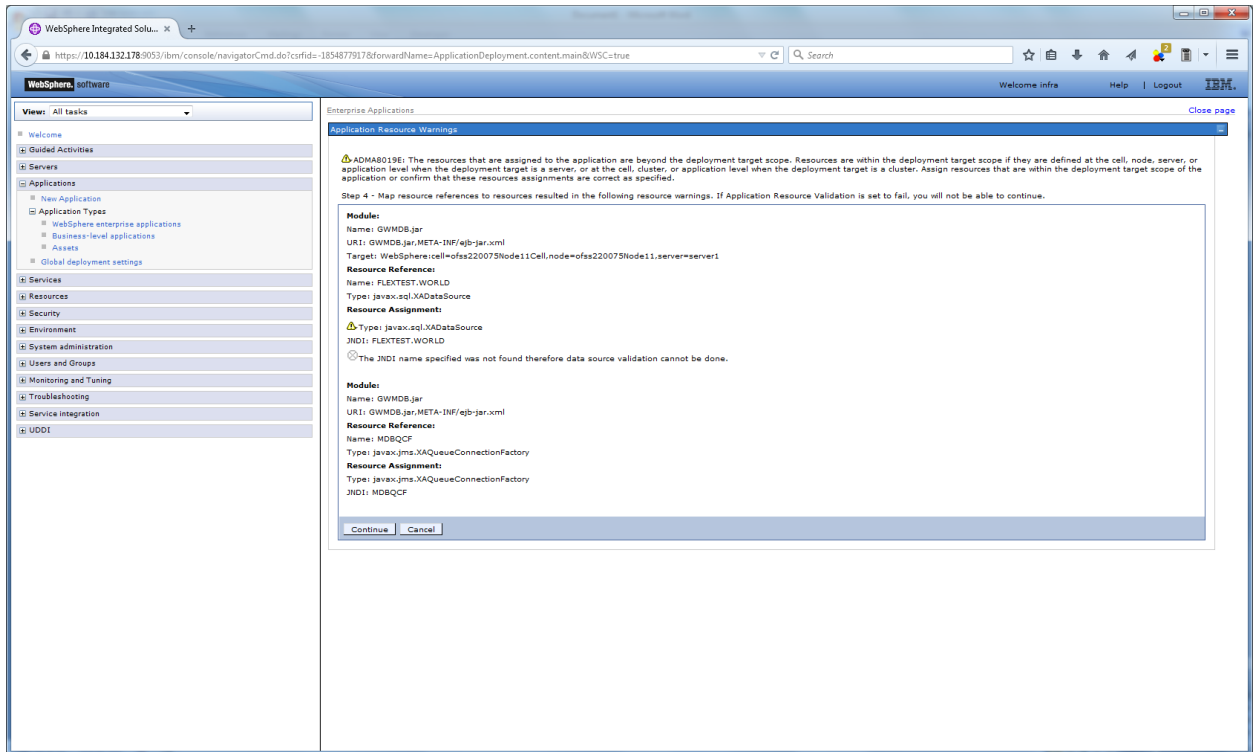
10. Click on next and the following screen is displayed.



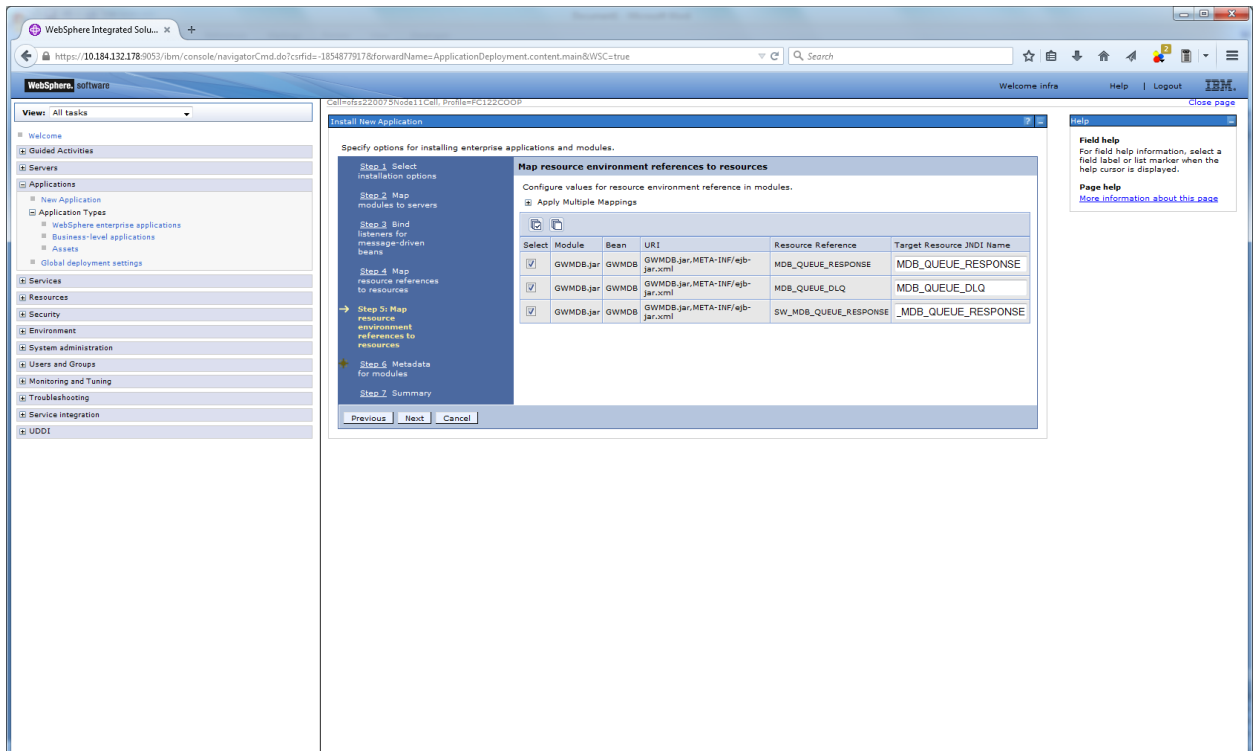
11. Input the listner name click next. Following screen is displayed.



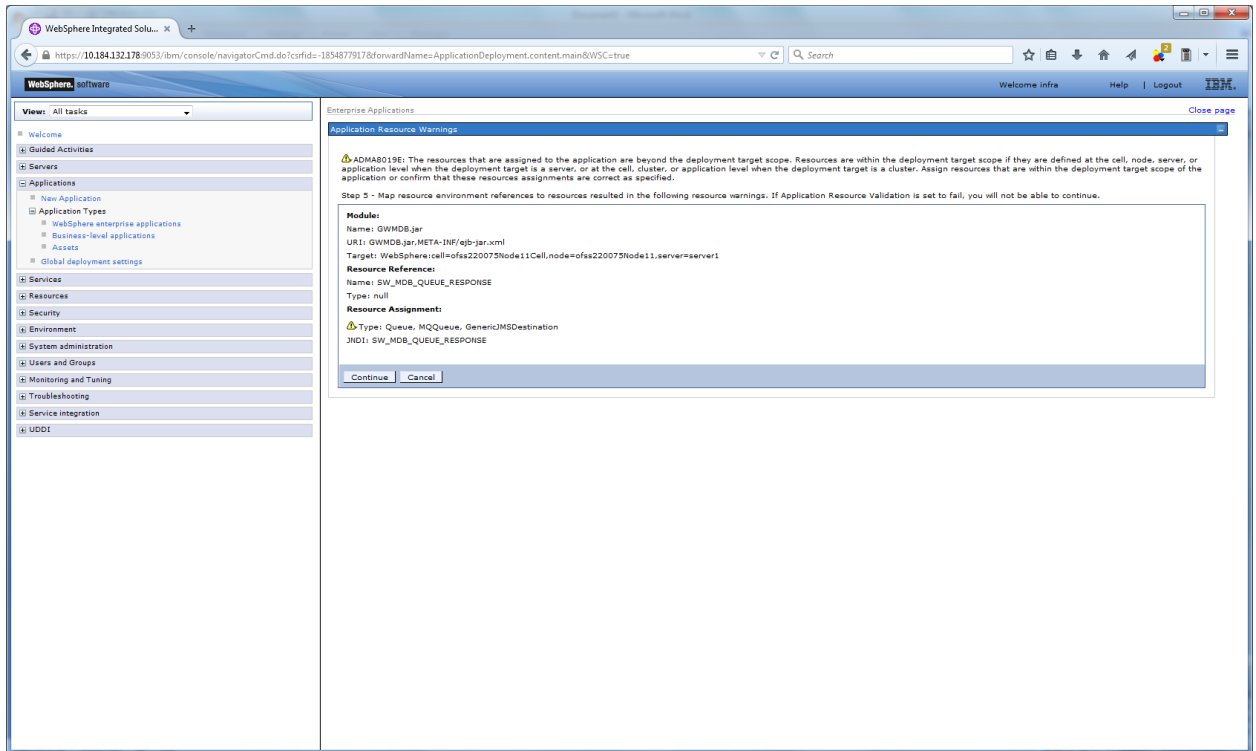
12. Enter the details as shown and click next.



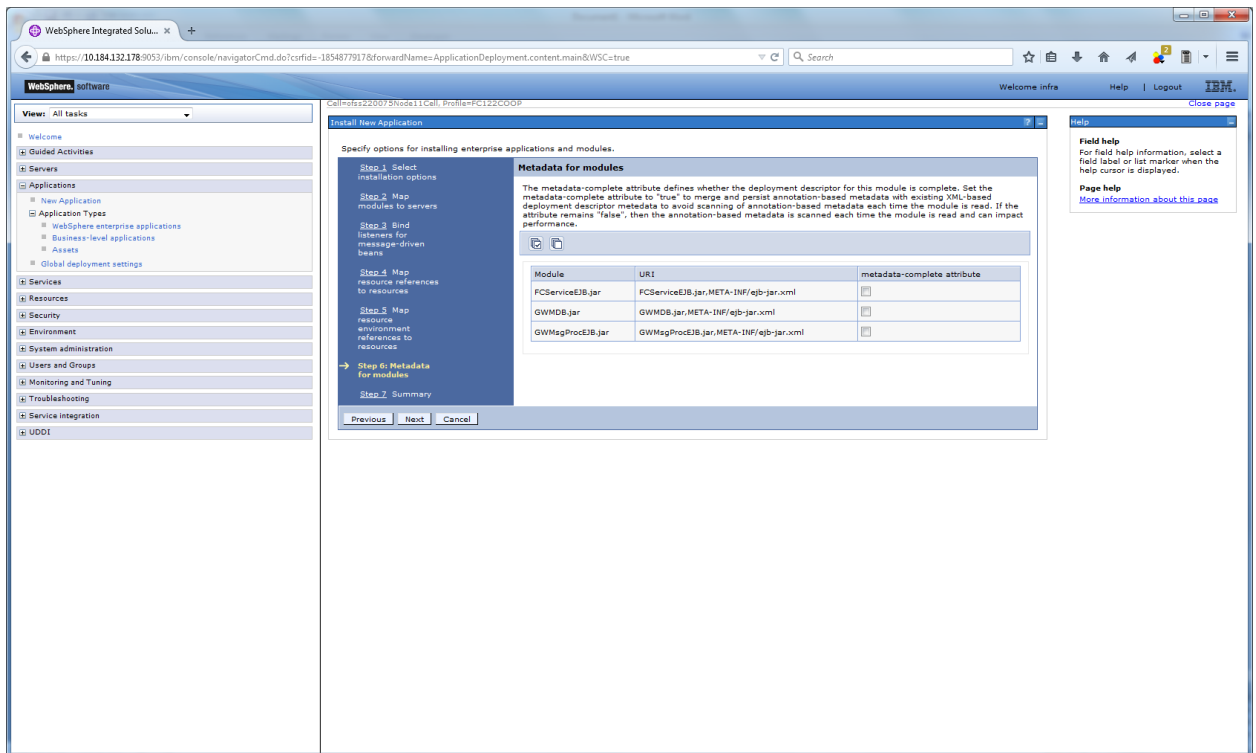
13. Click on continue and following screen is displayed.



14. Give necessary details as shown and click next.

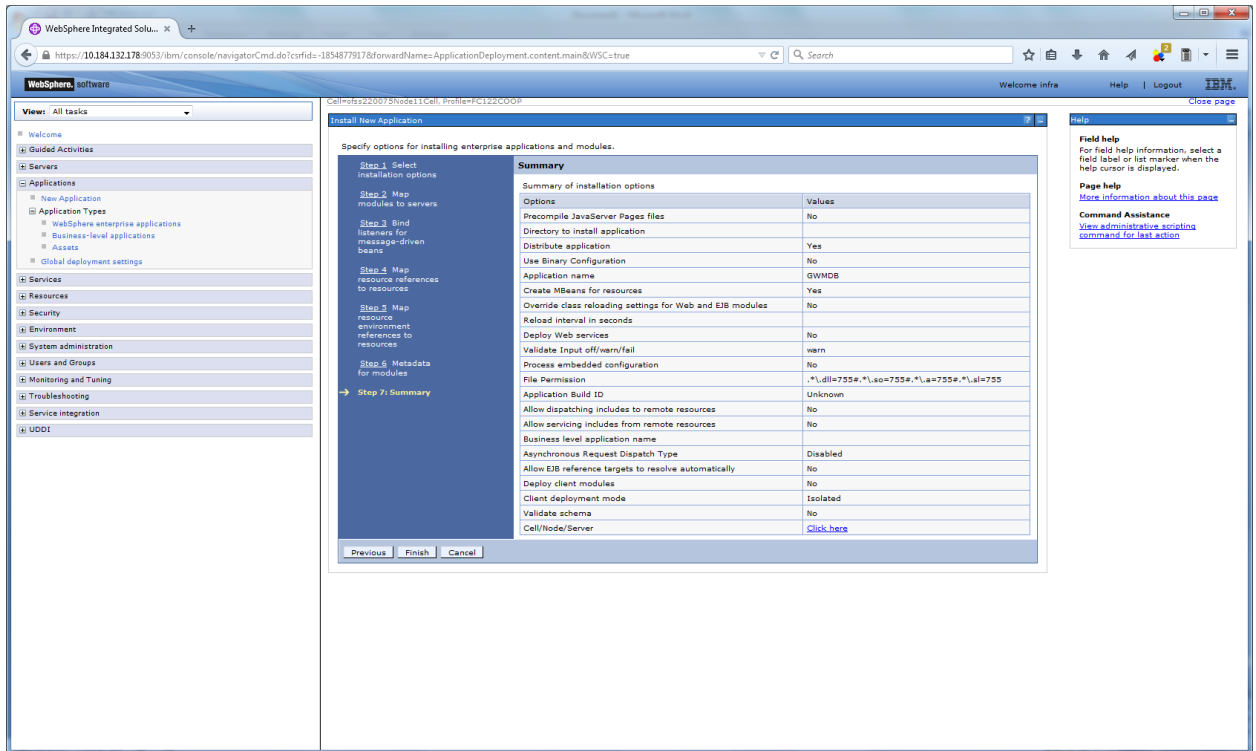


15. Click on continue and below screen is displayed.

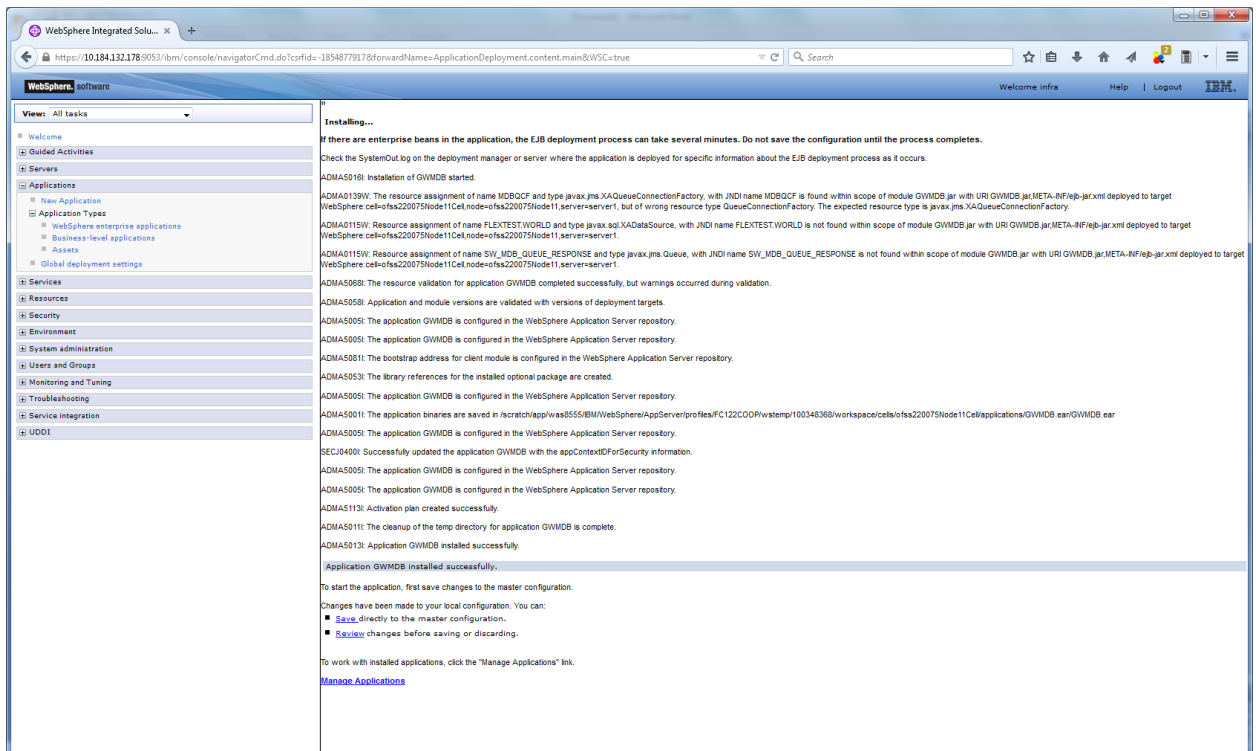


16. Click on next and following screen is displayed.

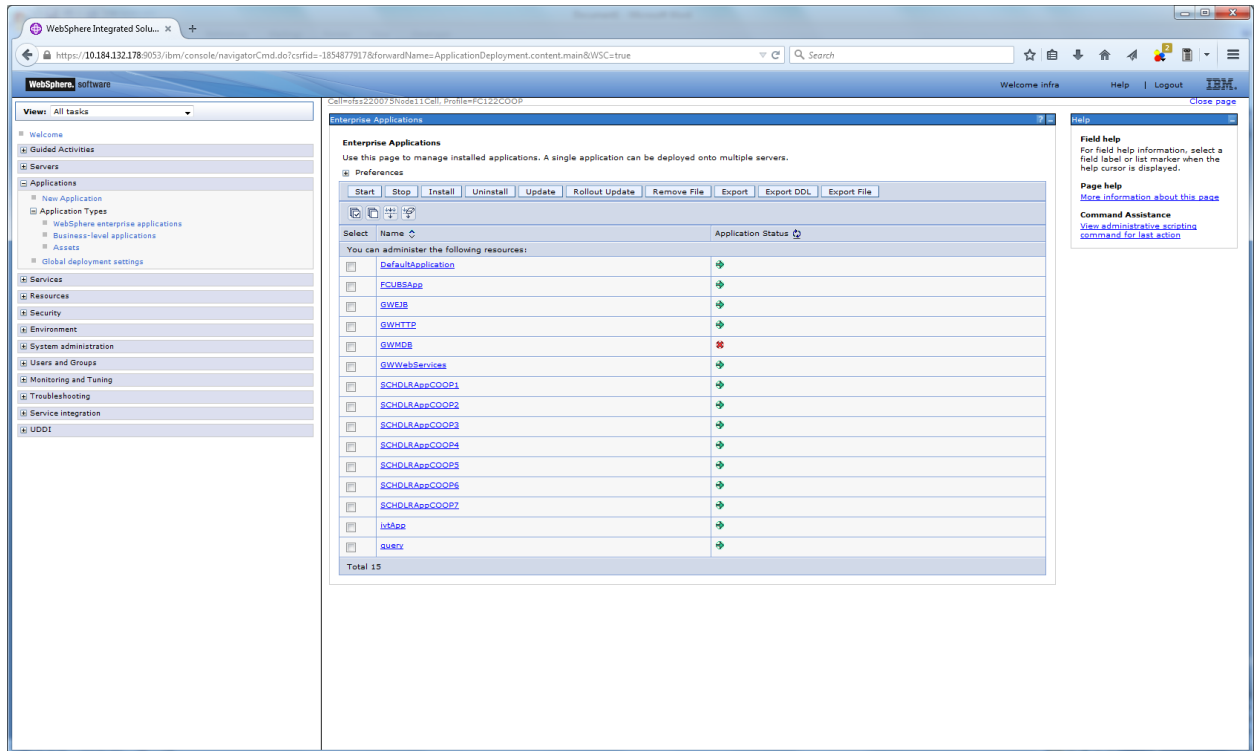




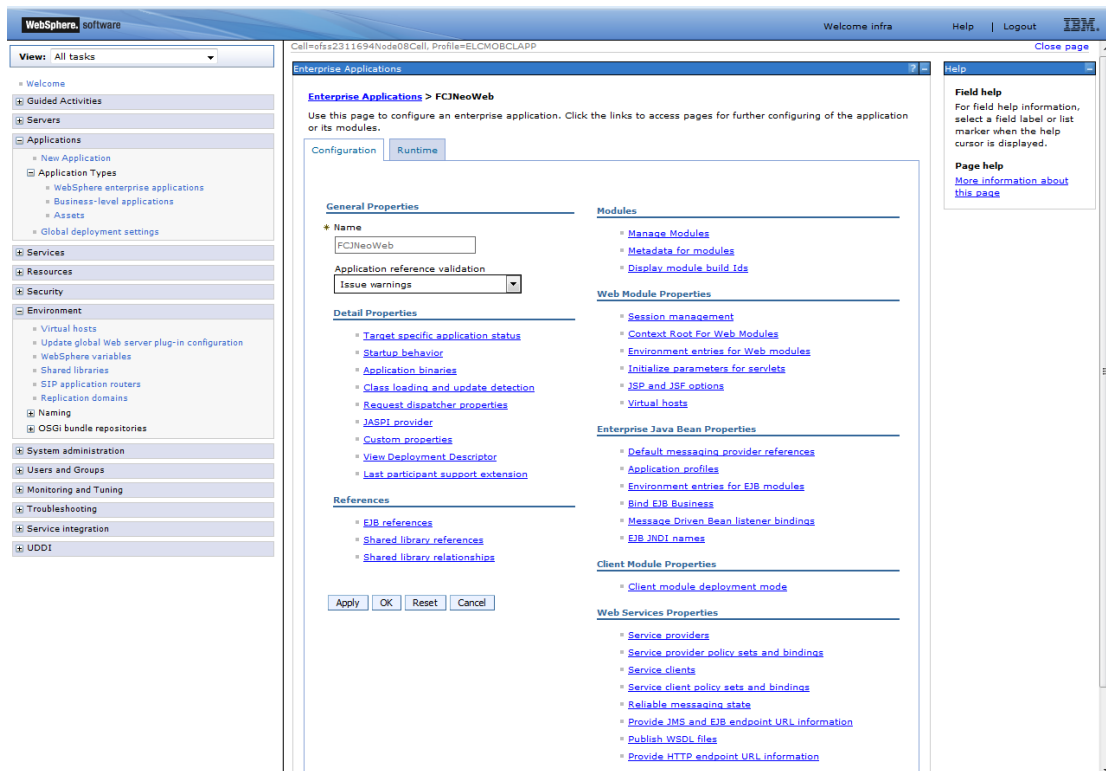
17. Click on Finish and following screen is displayed.



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.

The screenshot shows the WebSphere software interface. On the left is a navigation tree with categories like 'Guided Activities', 'Servers', 'Applications', 'Services', 'Resources', 'Security', 'Environment', 'System administration', 'Users and Groups', 'Monitoring and Tuning', 'Troubleshooting', 'Service integration', and 'UDDI'. The main content area is titled 'Enterprise Applications > FCJNeoWeb > Shared library references'. It contains a 'Shared Library Mapping for Modules' section with a 'Reference shared libraries' button. Below this is a table with three columns: 'Select', 'Application', 'URI', and 'Shared Libraries'. The table lists three applications: FCJNeoWeb, FlexCubeCorporate, and Enterprise Limits Gateway. At the bottom of the table are 'OK' and 'Cancel' buttons. On the right side, there is a 'Help' panel with 'Field help' and 'Page help' sections.

Cell=ofss2311694Node08Cell, Profile=ELCMOBCLAPP

Welcome infra Help | Logout

View: All tasks

Enterprise Applications > FCJNeoWeb > Shared library references

Shared Library Mapping for Modules

Specify shared libraries that the application or individual modules reference. These libraries must be defined in the configuration at the appropriate scope.

Reference shared libraries

| Select                   | Application                 | URI                           | Shared Libraries |
|--------------------------|-----------------------------|-------------------------------|------------------|
| <input type="checkbox"/> | FCJNeoWeb                   | META-INF/application.xml      | OBCLExtAdapter   |
| <input type="checkbox"/> | FlexCubeCorporate           | FCJNeoWeb.war,WEB-INF/web.xml |                  |
| <input type="checkbox"/> | Enterprise Limits Gateway   | ELCMWeb.war,WEB-INF/web.xml   |                  |
| <input type="checkbox"/> | Security Management Gateway | SMWeb.war,WEB-INF/web.xml     |                  |

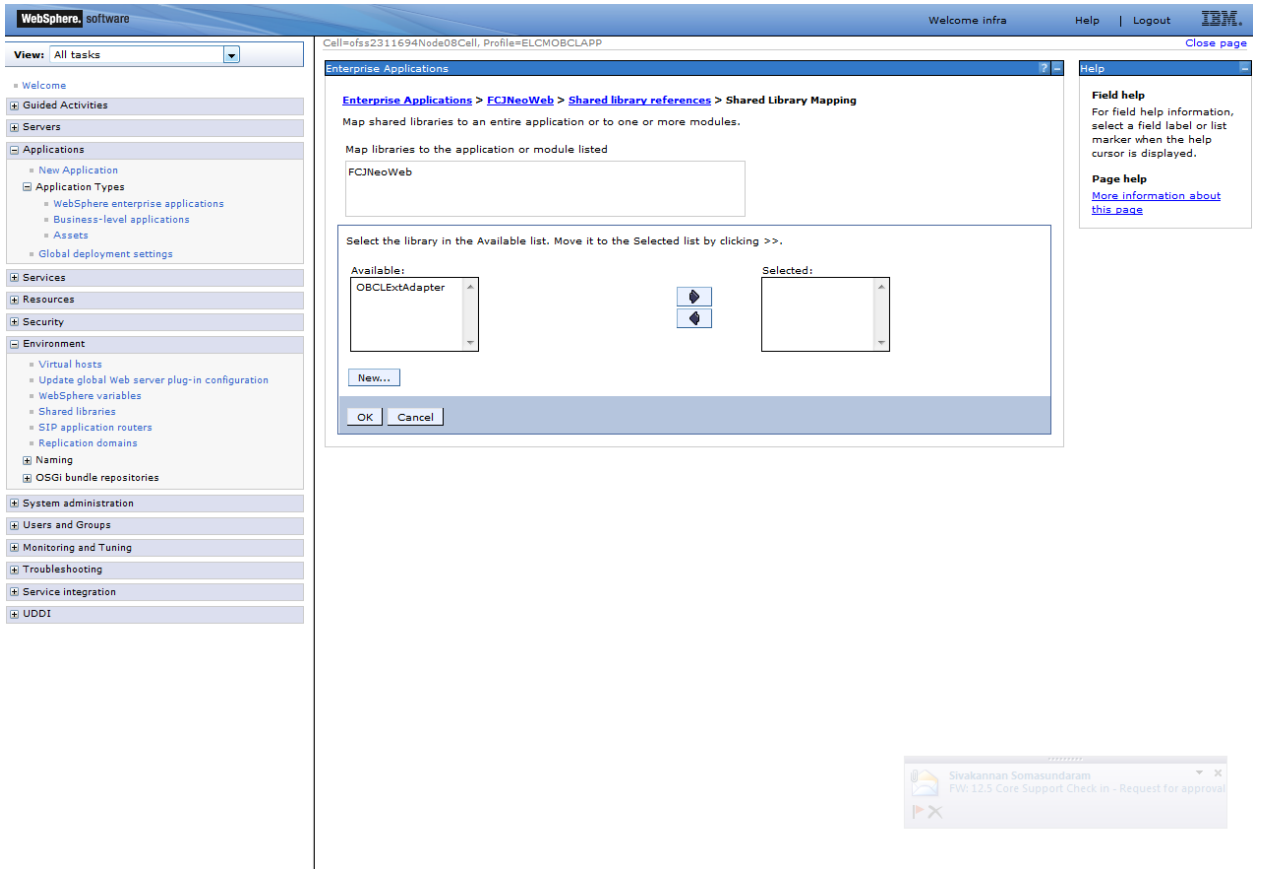
OK Cancel

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](#)

21. Select your Application and click 'Reference Shared Library'.

The following screen is displayed.

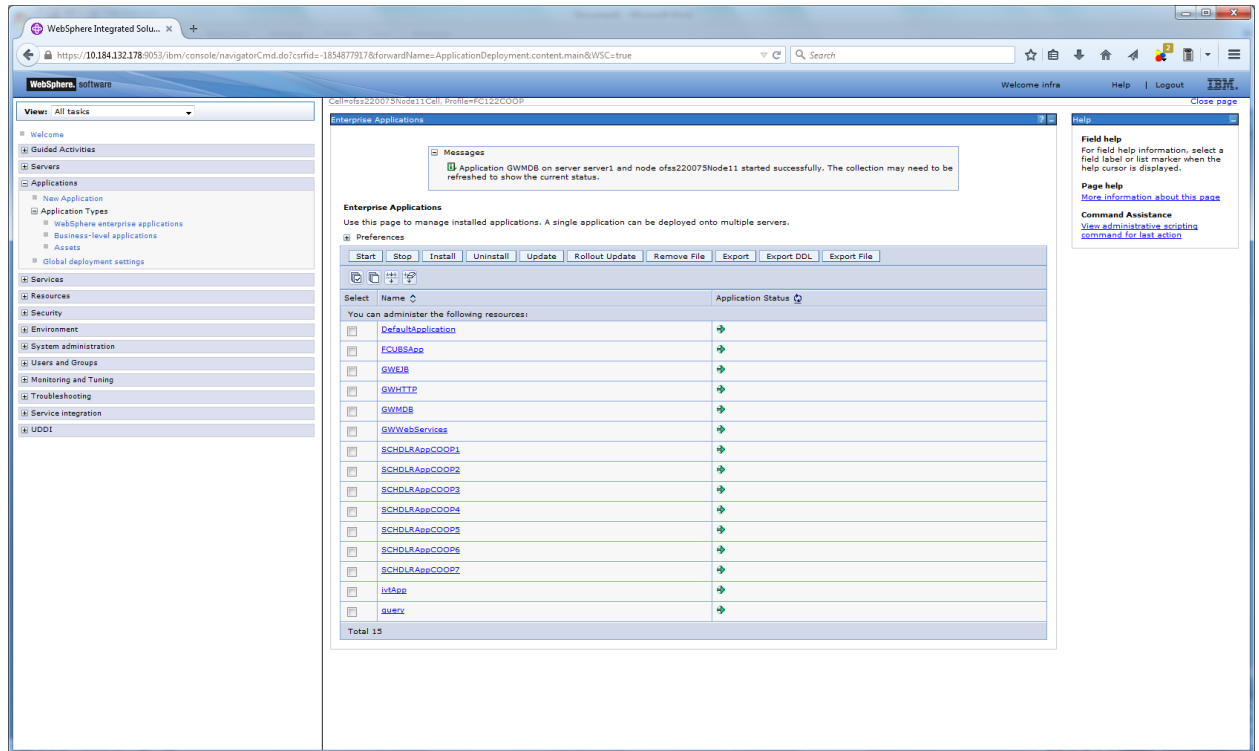


22. Click on right arrow button to add Available shared library reference.  
The following screen is displayed.

The screenshot displays the IBM WebSphere software administration console. The top navigation bar includes the 'WebSphere software' logo, the user 'Welcome infra', and links for 'Help' and 'Logout'. The main content area is titled 'Enterprise Applications' and shows a breadcrumb trail: 'Enterprise Applications > FCJNeoWeb > Shared library references > Shared Library Mapping'. Below this, there is a text box for 'Map shared libraries to the application or module listed' containing 'FCJNeoWeb'. A dialog box is open, prompting the user to 'Select the library in the Available list. Move it to the Selected list by clicking >>.'. The dialog features two lists: 'Available:' (empty) and 'Selected:' (containing 'OBCLExtAdapter'). Navigation arrows are positioned between the lists. At the bottom of the dialog are 'New...', 'OK', and 'Cancel' buttons. A 'Help' sidebar on the right provides field help and page help information.

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:

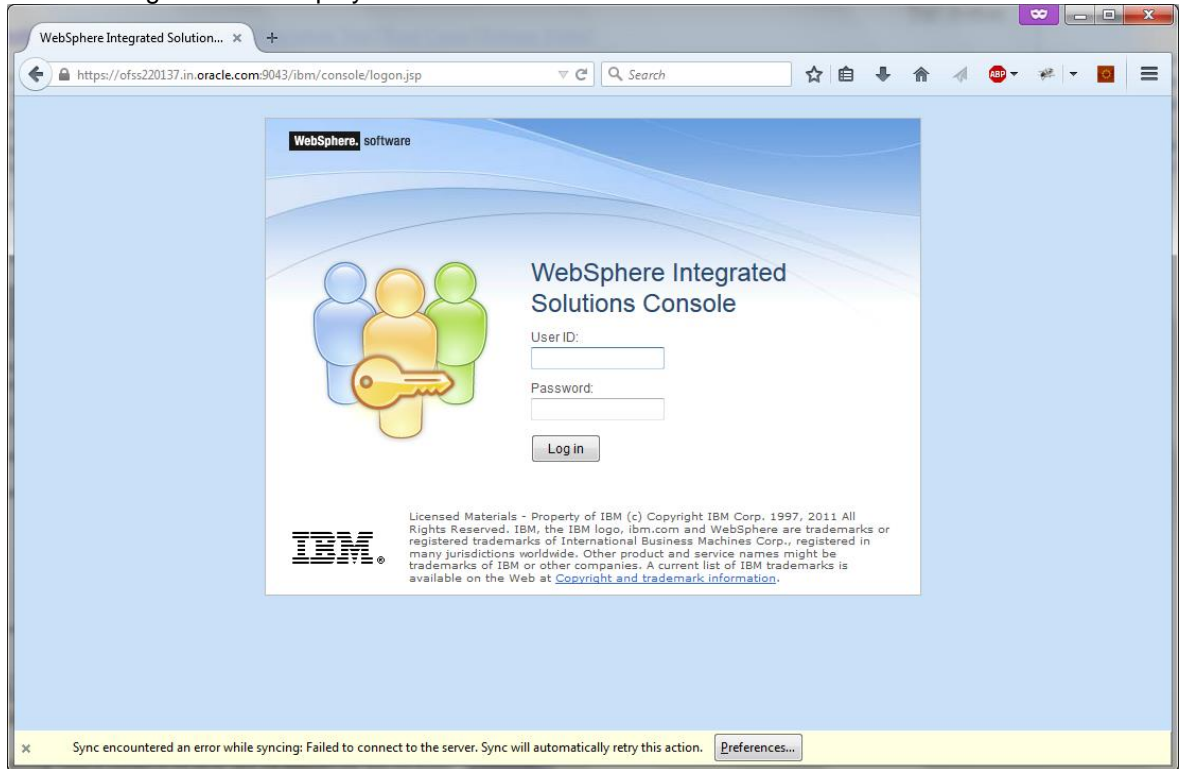
1. Open the Administrative Console of WebSphere server:

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

Eg: `https://10.10.10.10:1010/console`

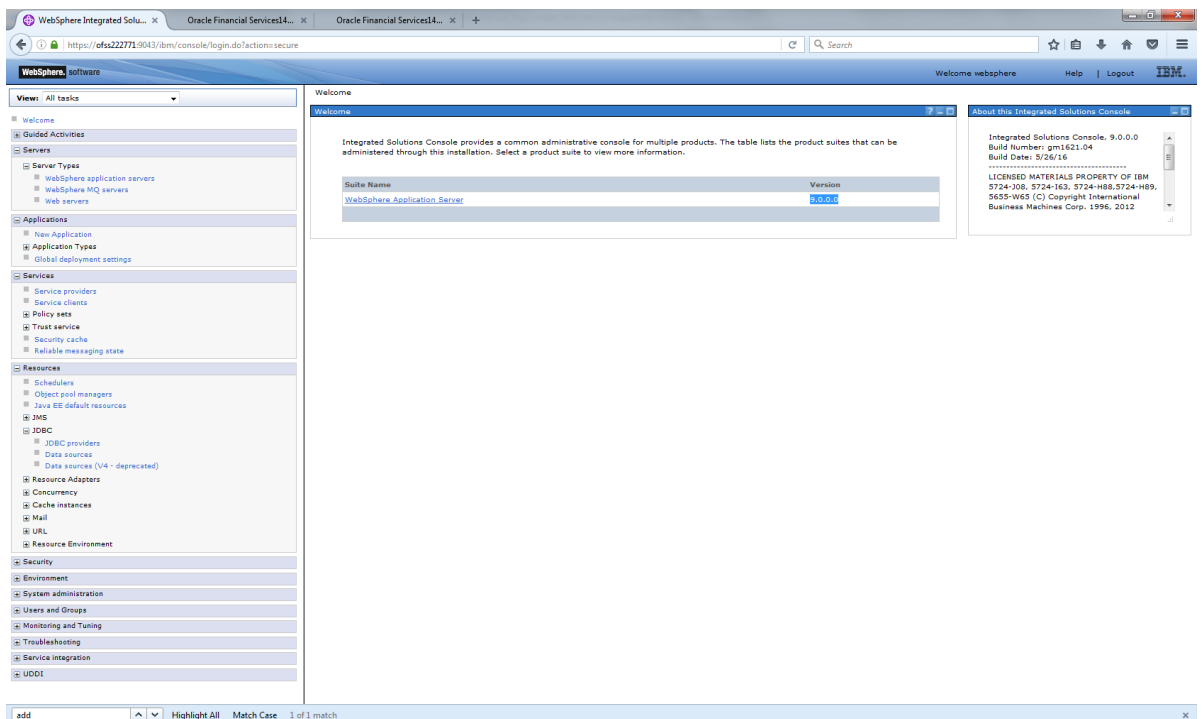
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



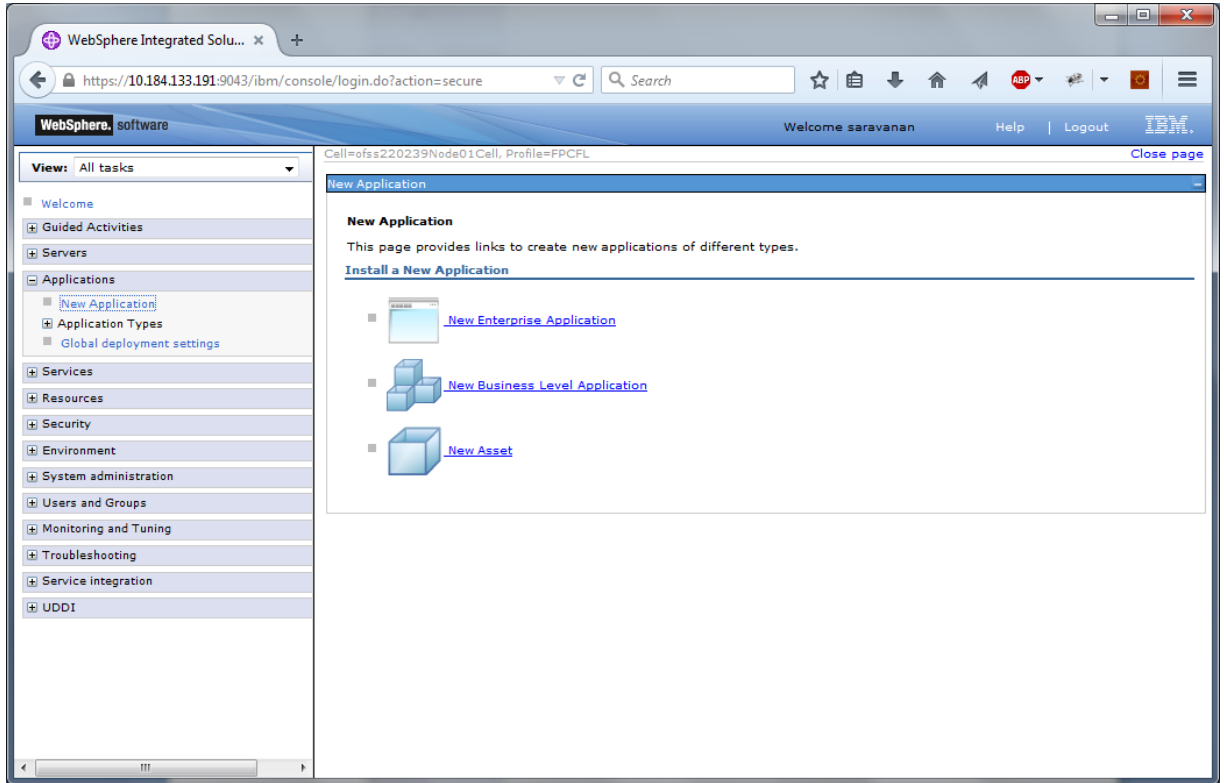
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

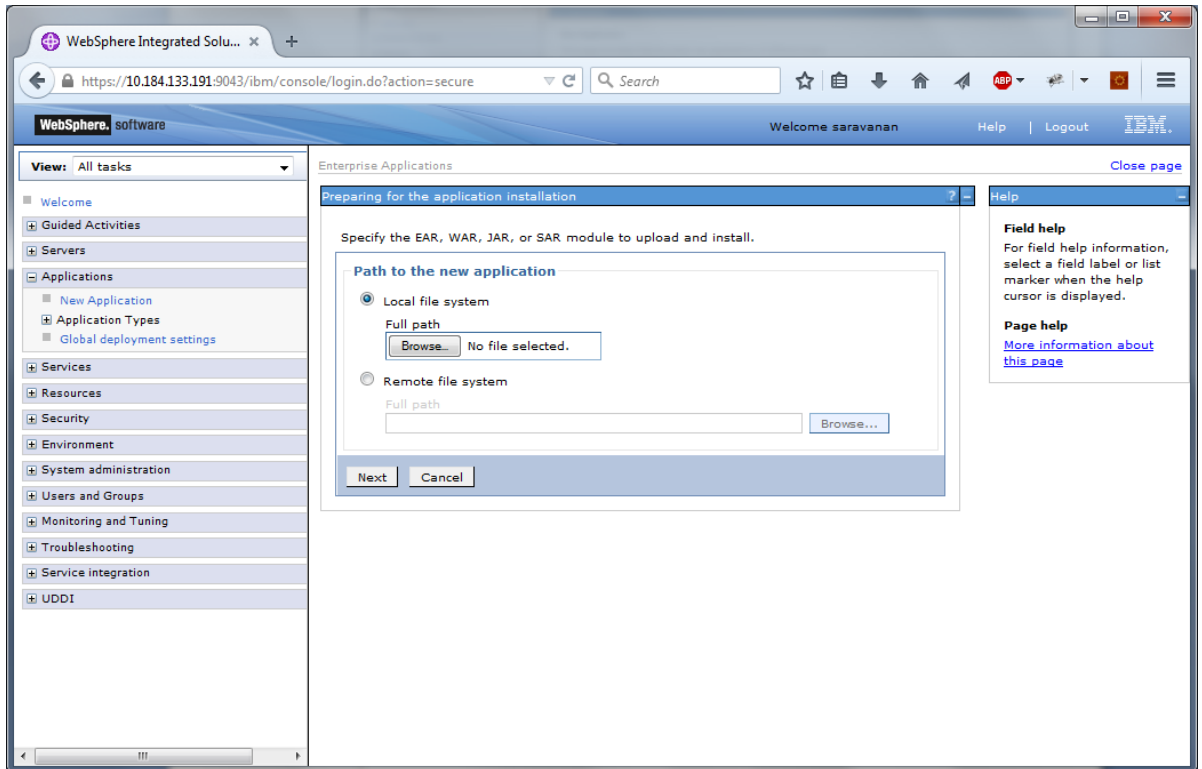


- Expand Applications from left-side menu and Click 'New Application'.

The following screen is displayed.

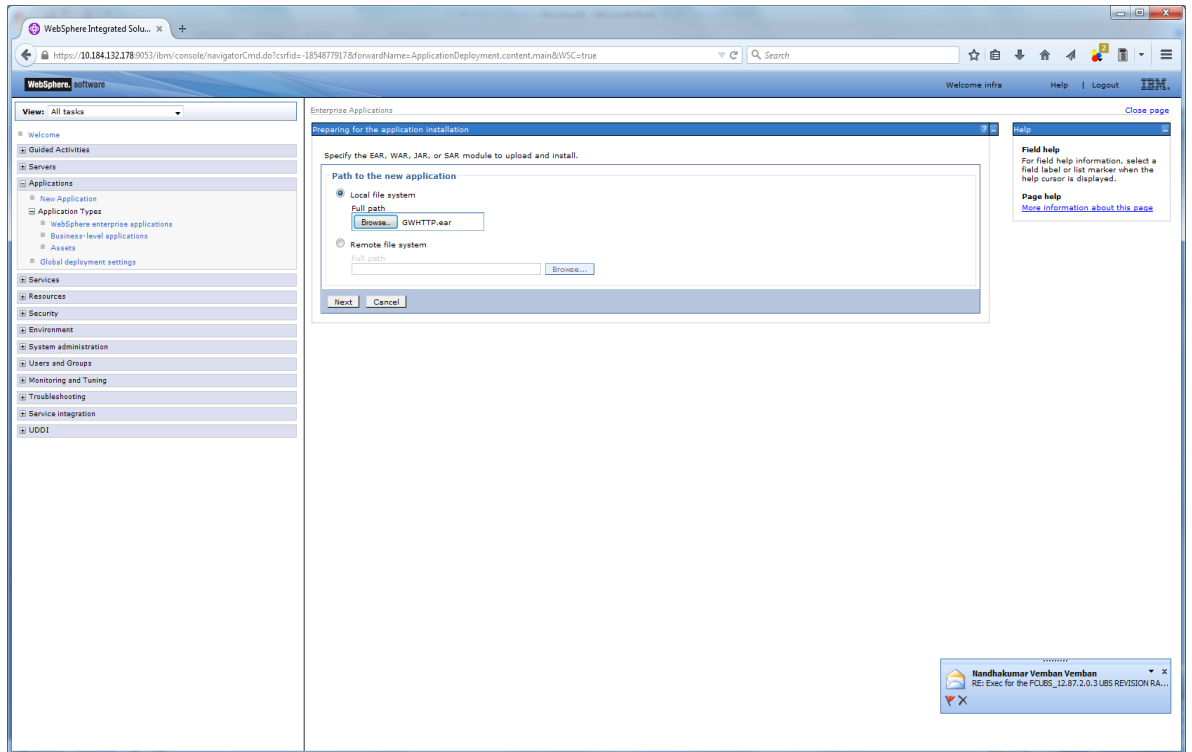


- Click 'New Enterprise Application'.

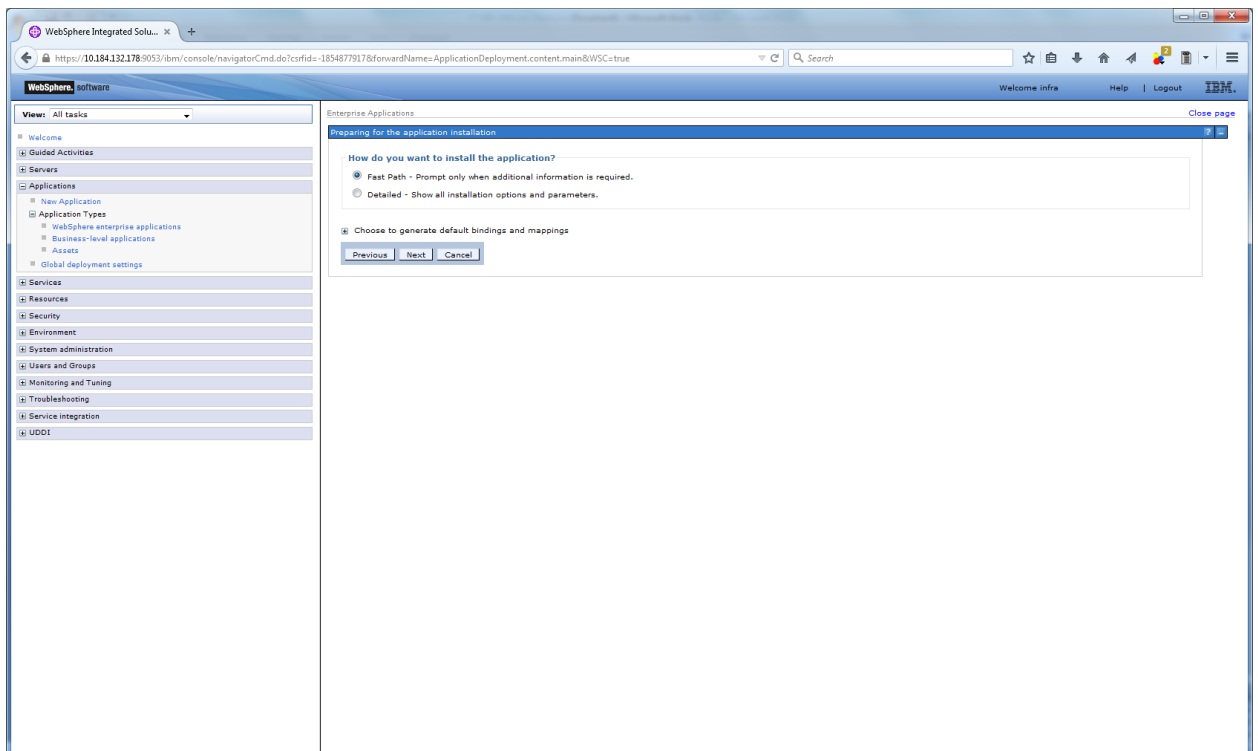




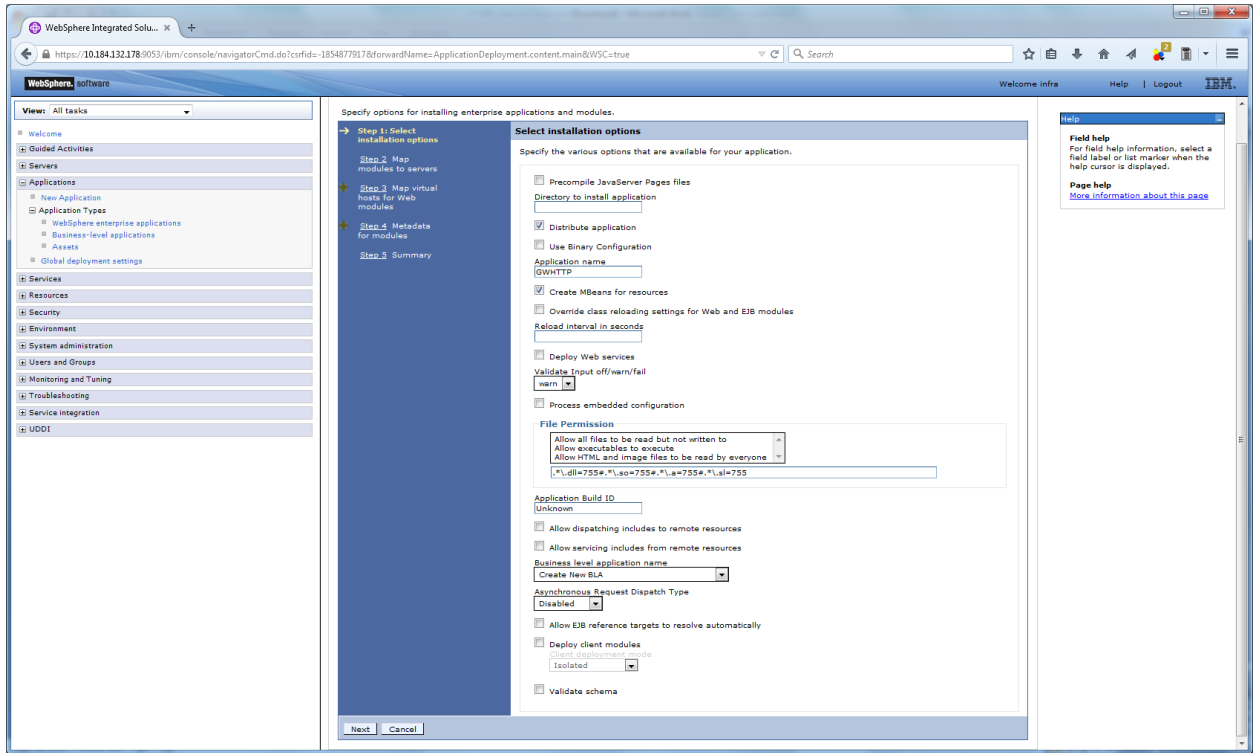
6. Browse the application EAR file and click next button



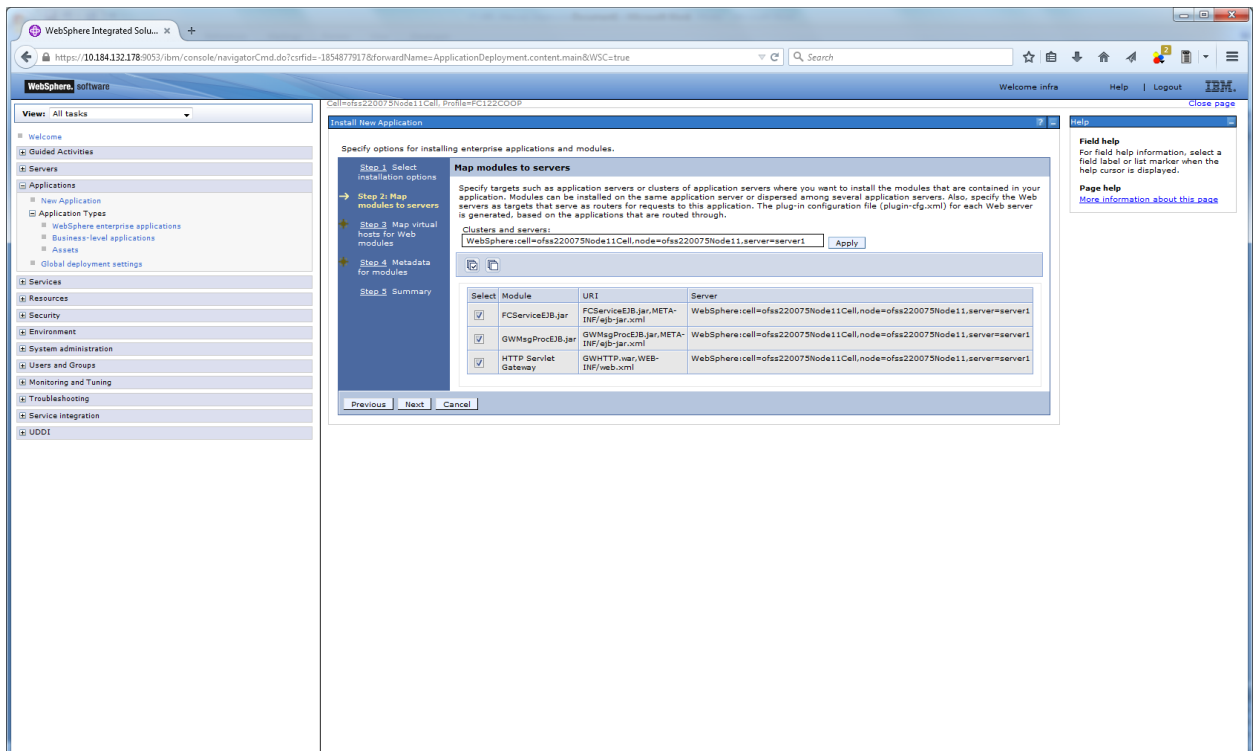
7. Click next and the following screen is displayed.



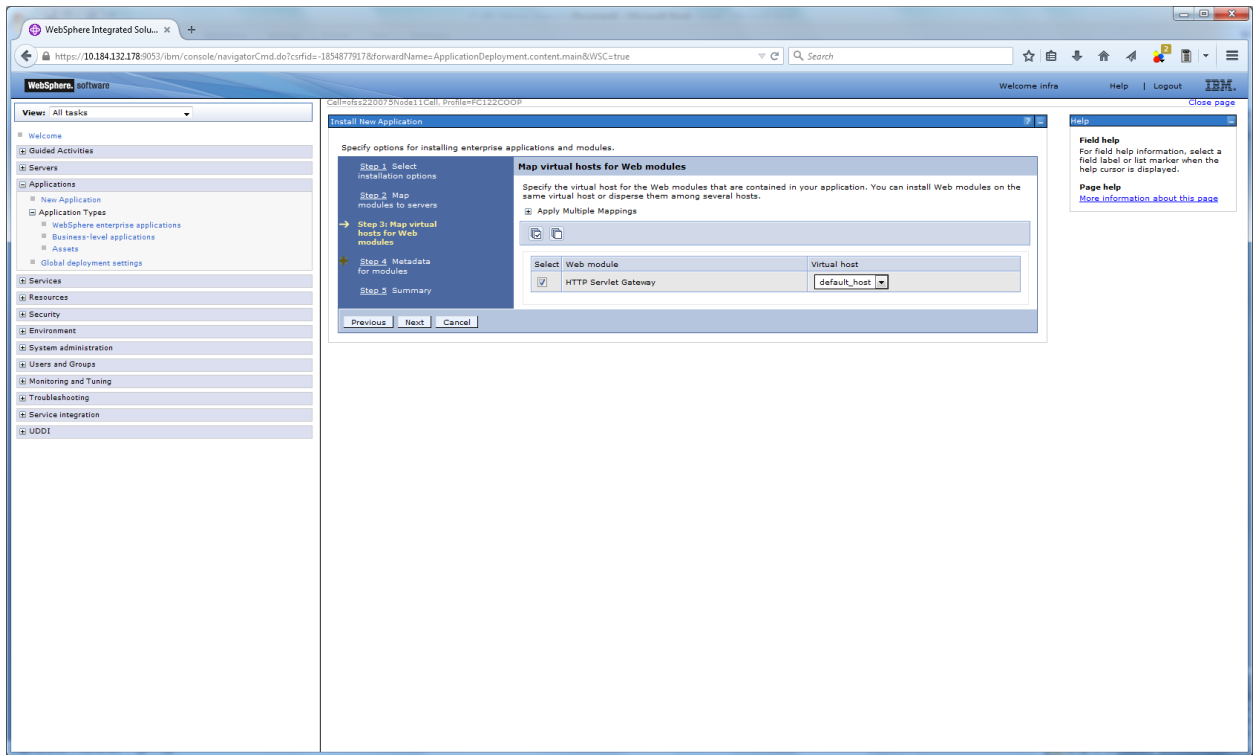
8. Click next and the following screen is displayed.



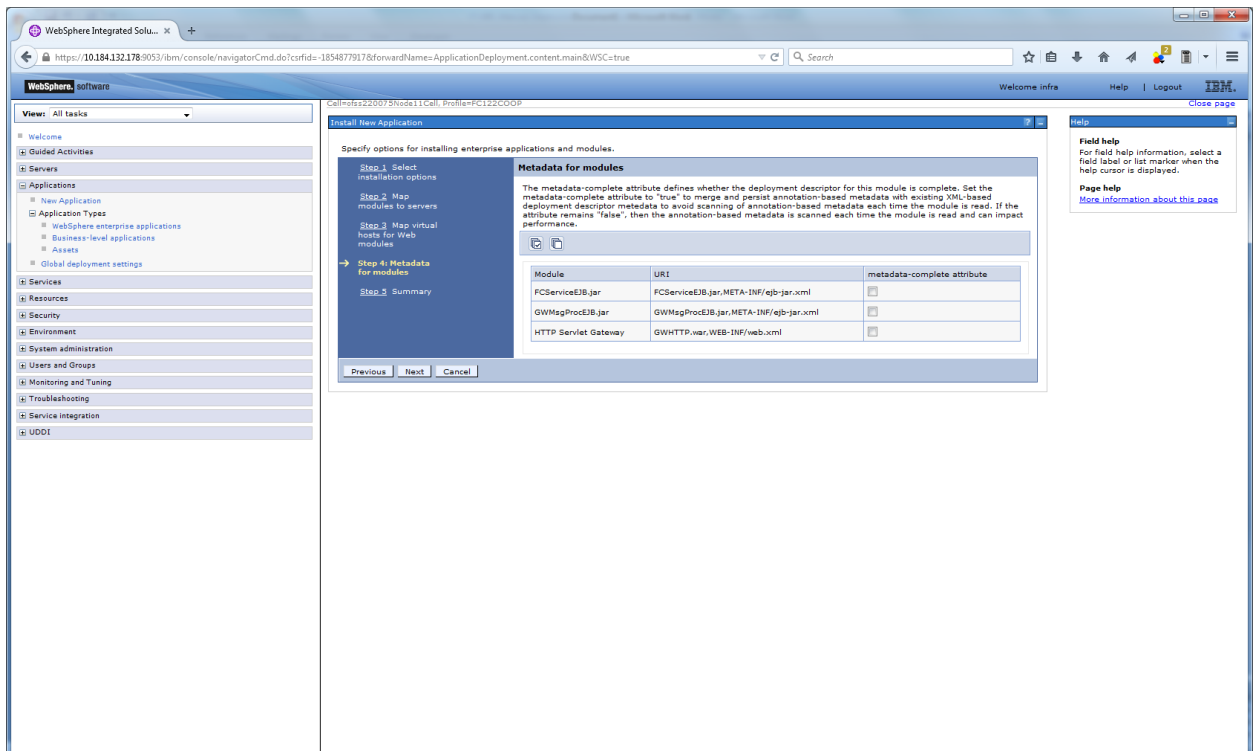
9. Click next and the following screen is displayed.



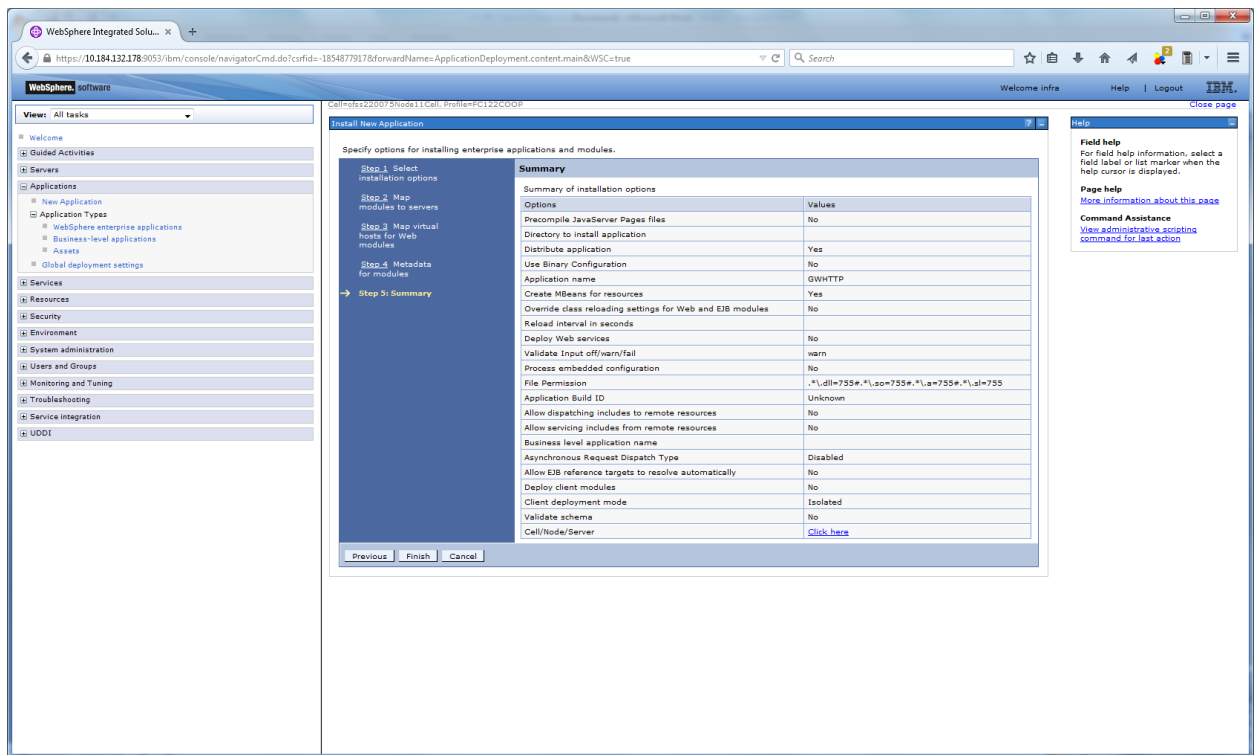
10. Click next and the following screen is displayed.



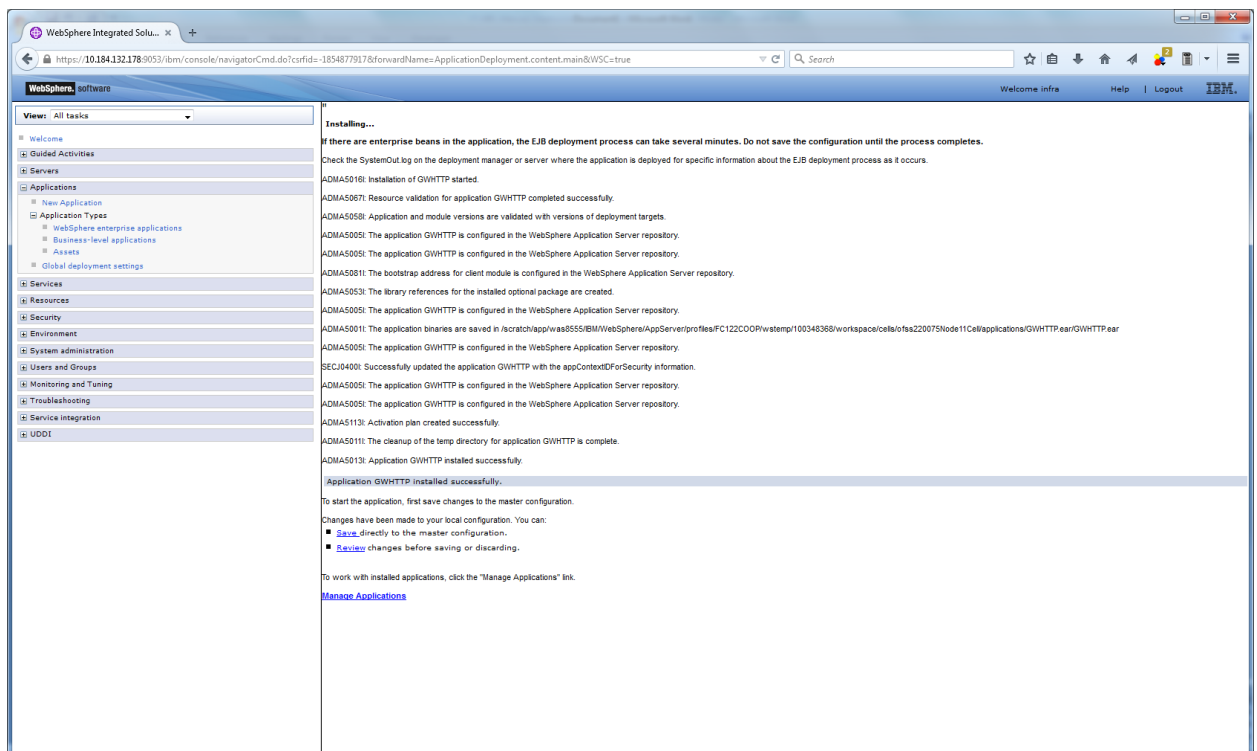
11. Click next and the following screen is displayed.



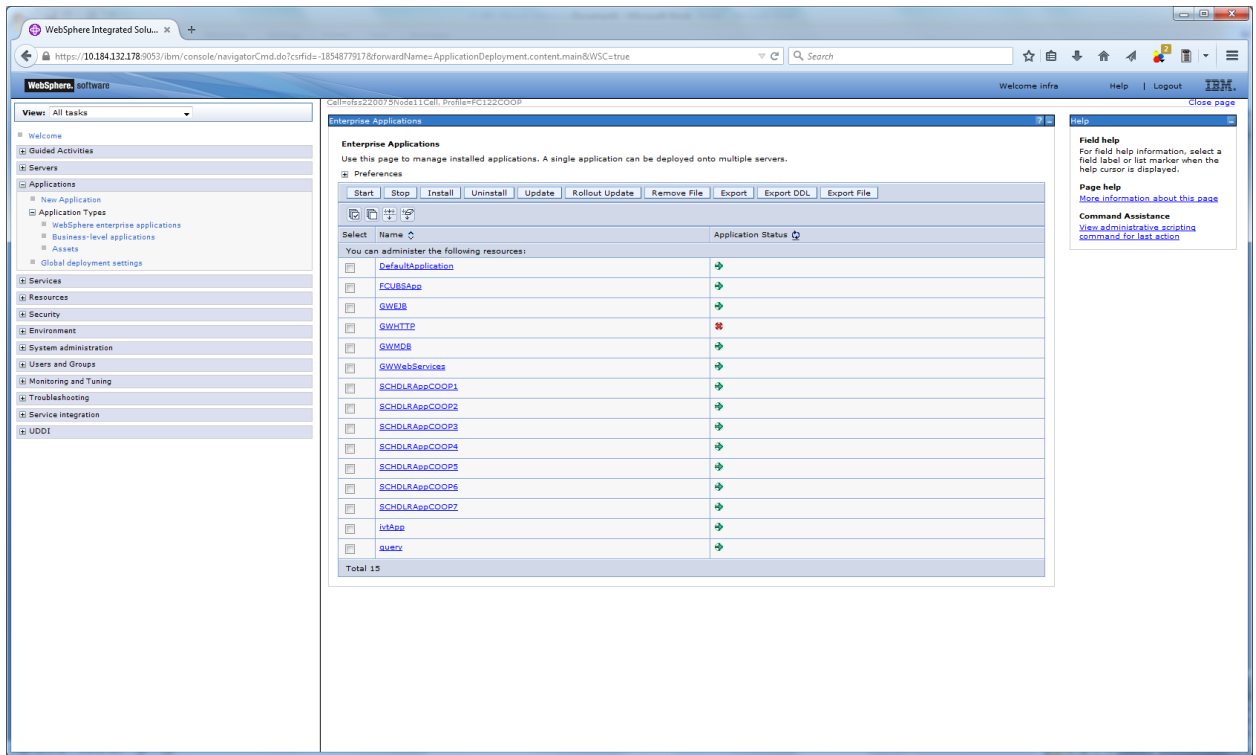
12. Click next and the following screen is displayed.



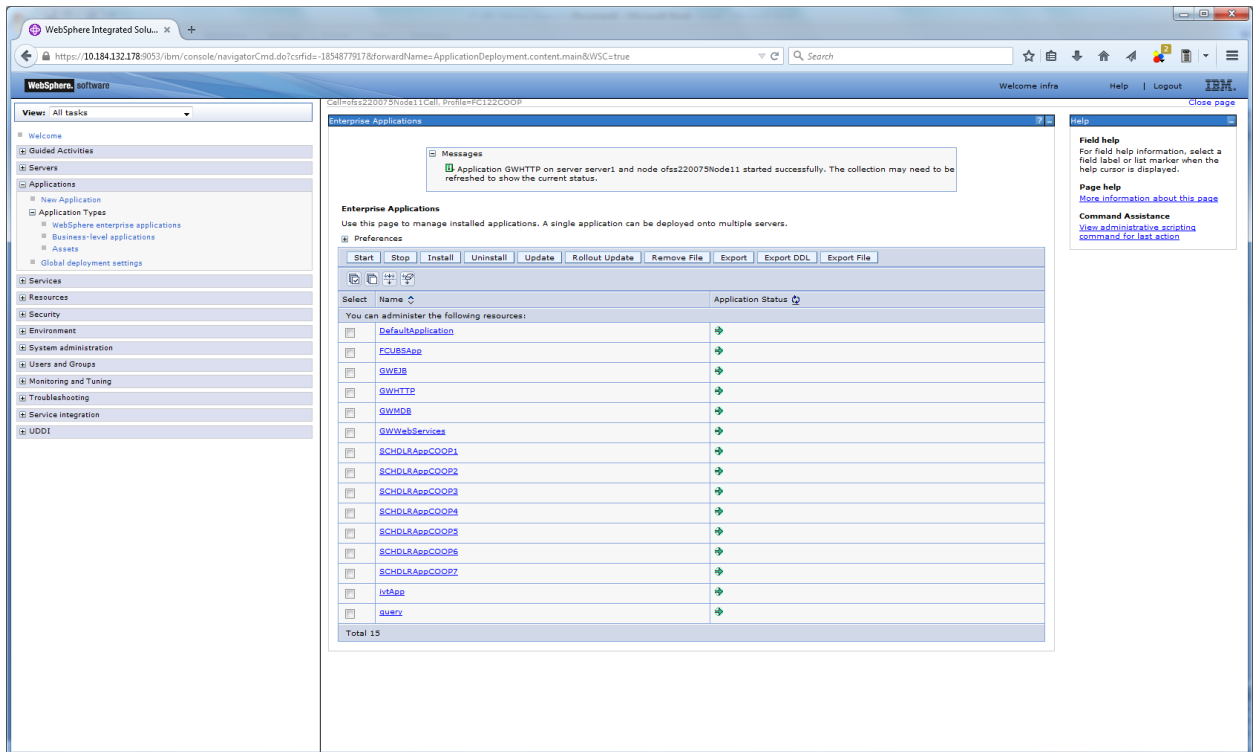
13. Click on finish and the following screen is displayed.



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:

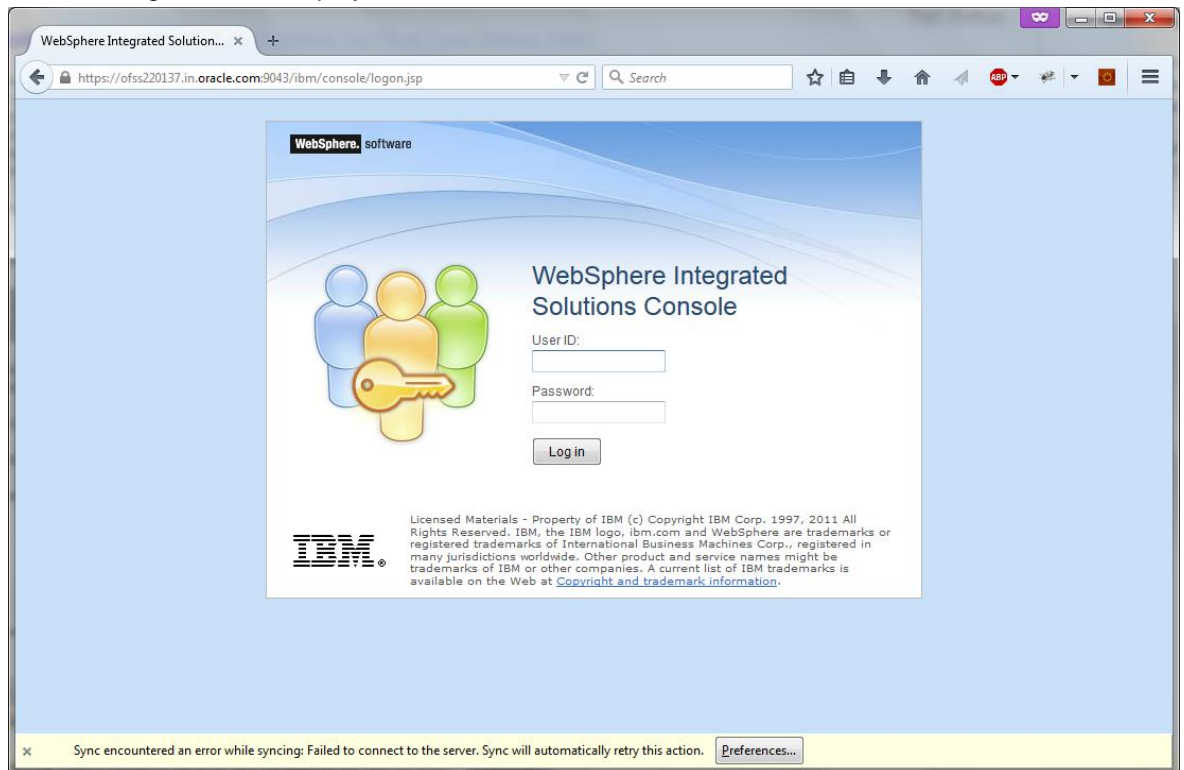
1. Open the Administrative Console of WebSphere server:

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

Eg: `https://10.10.10.10:1010/console`

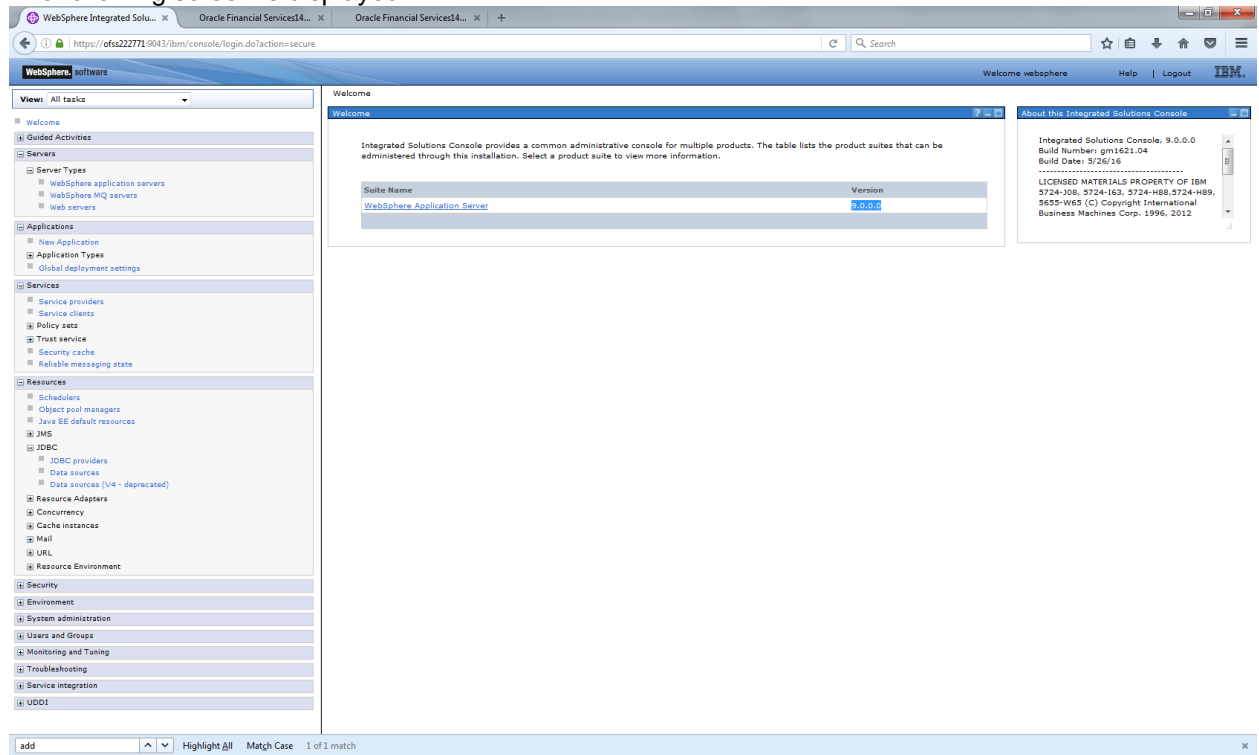
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



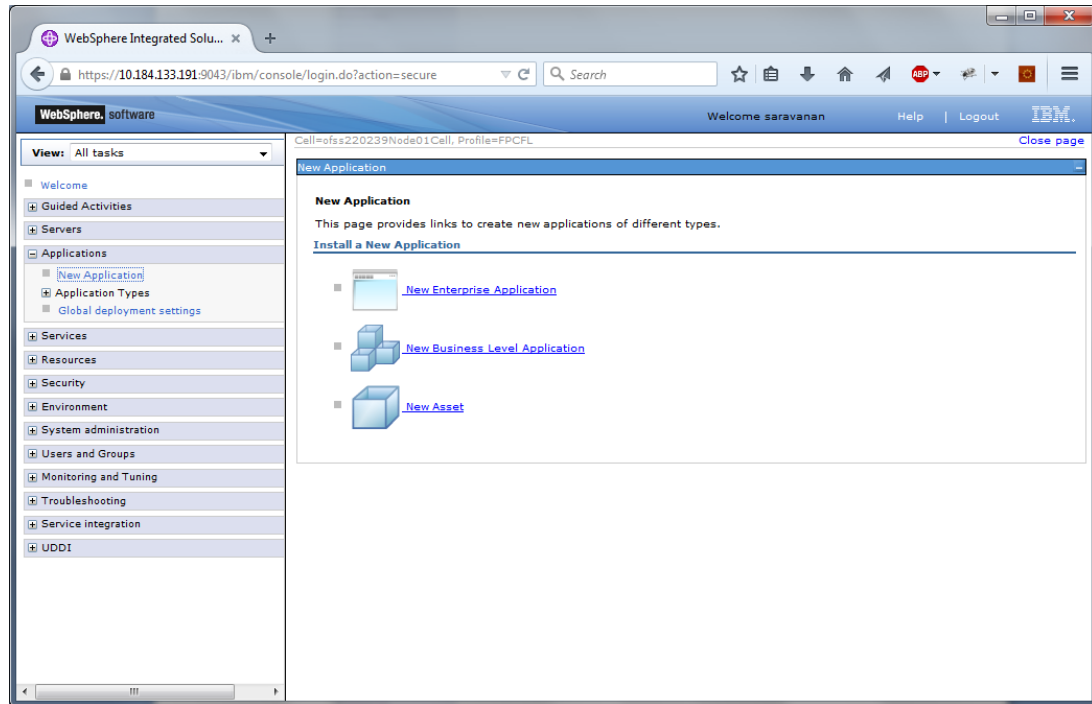
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

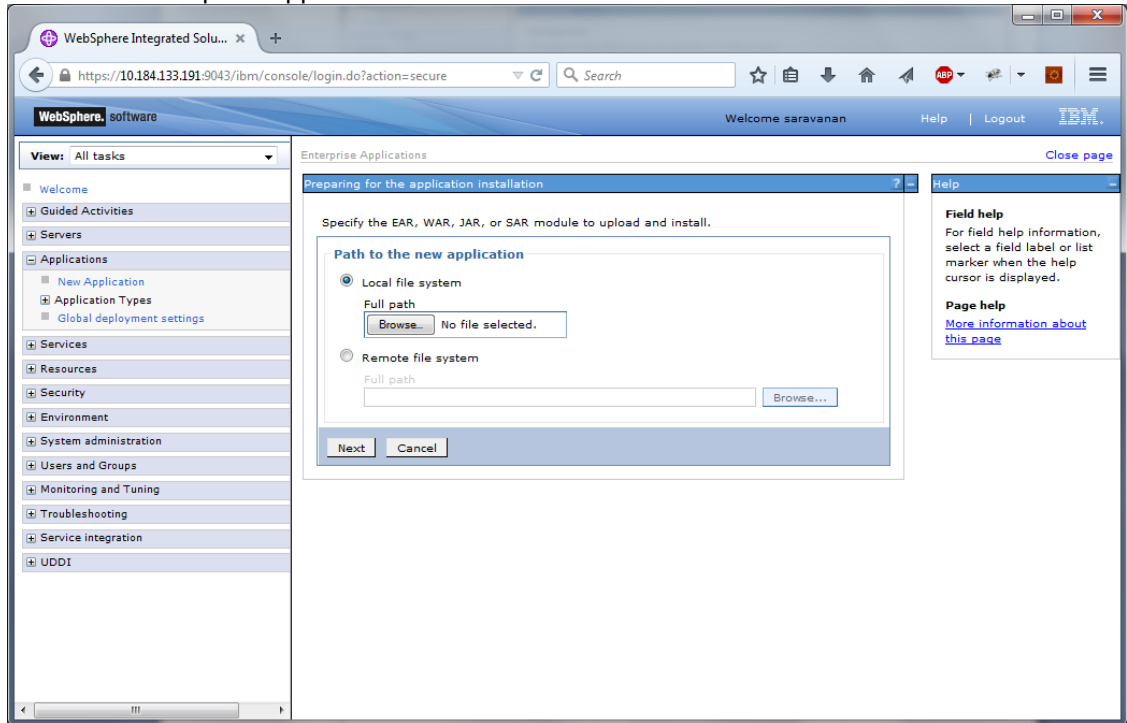


4. Expand Applications from left-side menu and Click 'New Application'.

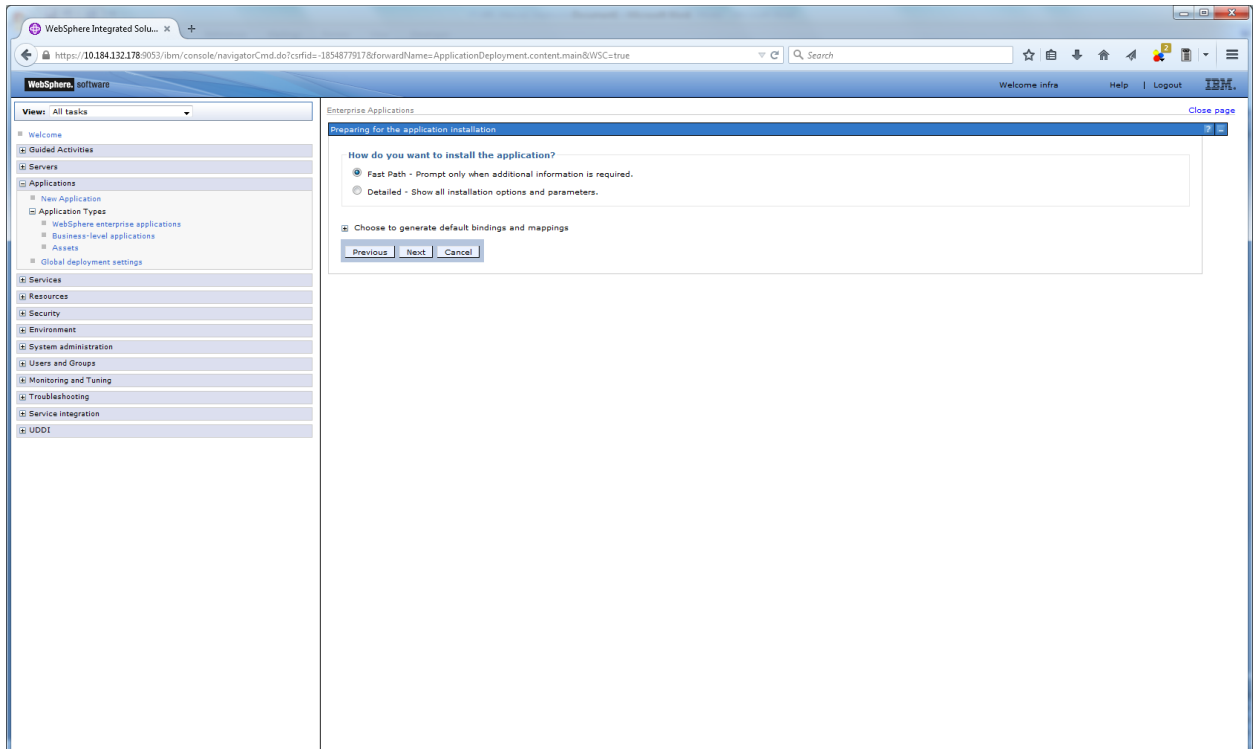
The following screen is displayed.



5. Click 'New Enterprise Application.'

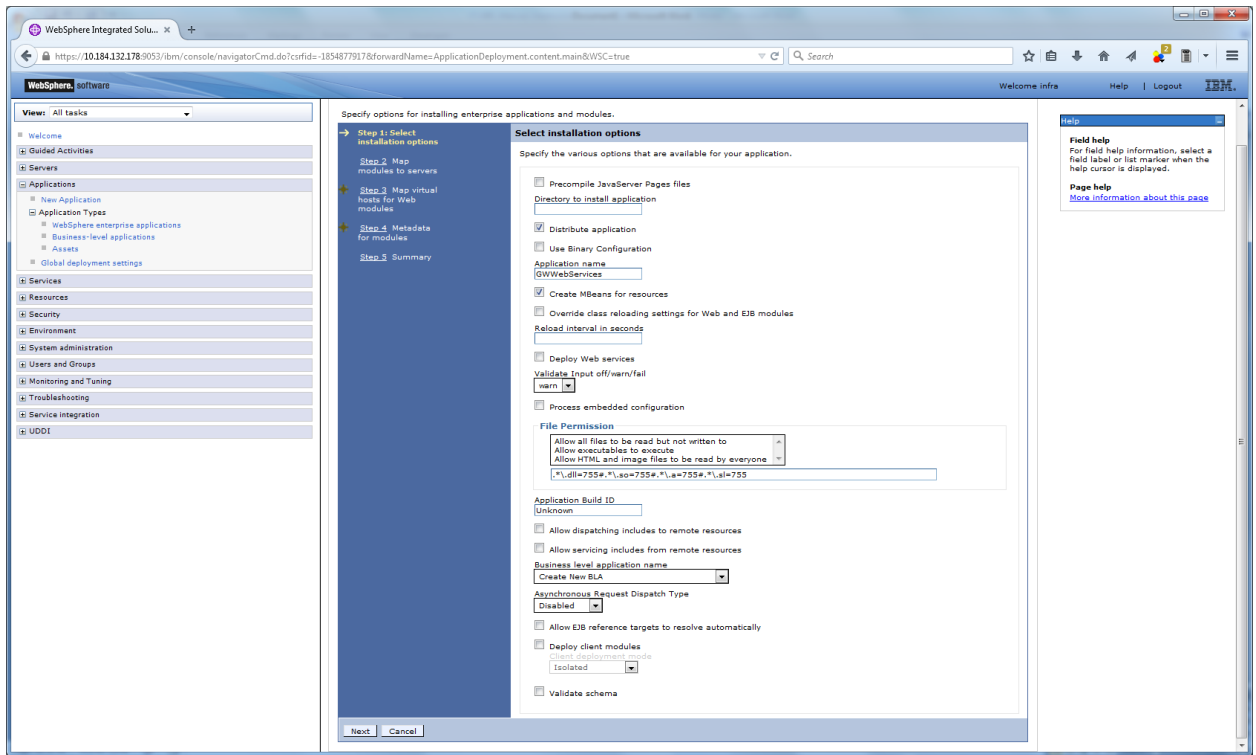


6. Browse the application EAR file and click next button.

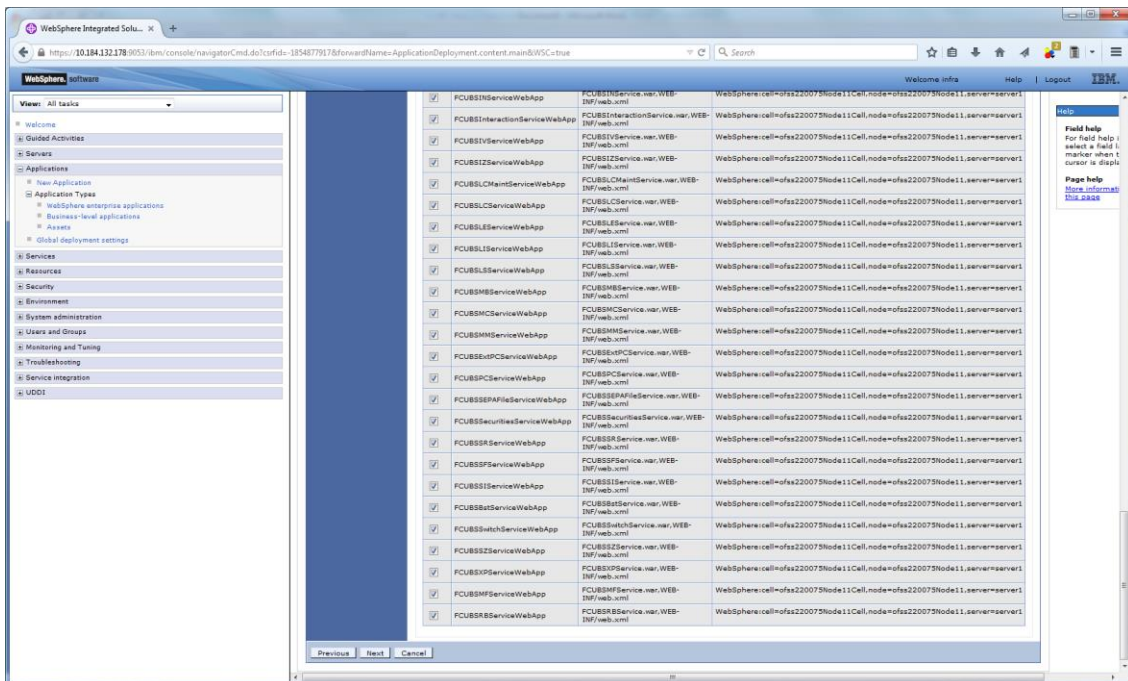




7. Click on next and the following screen is displayed.



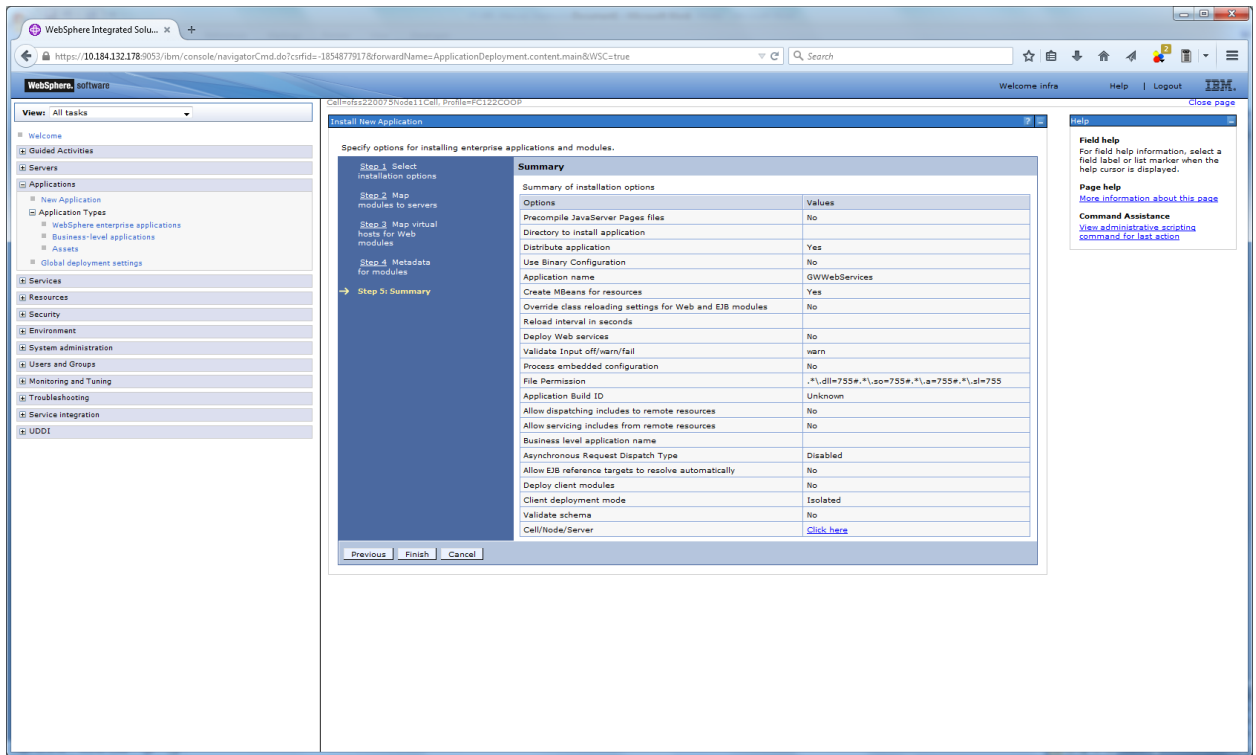
8. Click on next and the following screen is displayed.



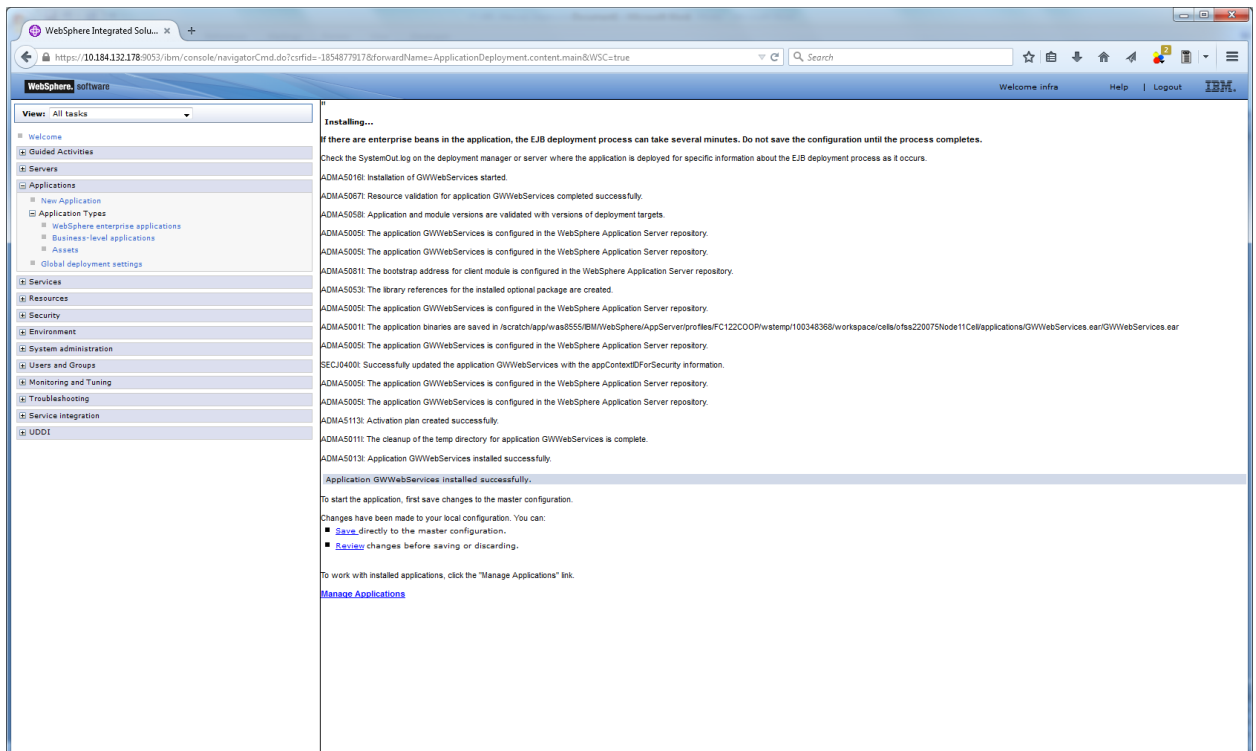
9. Click on next and the following screen is displayed.



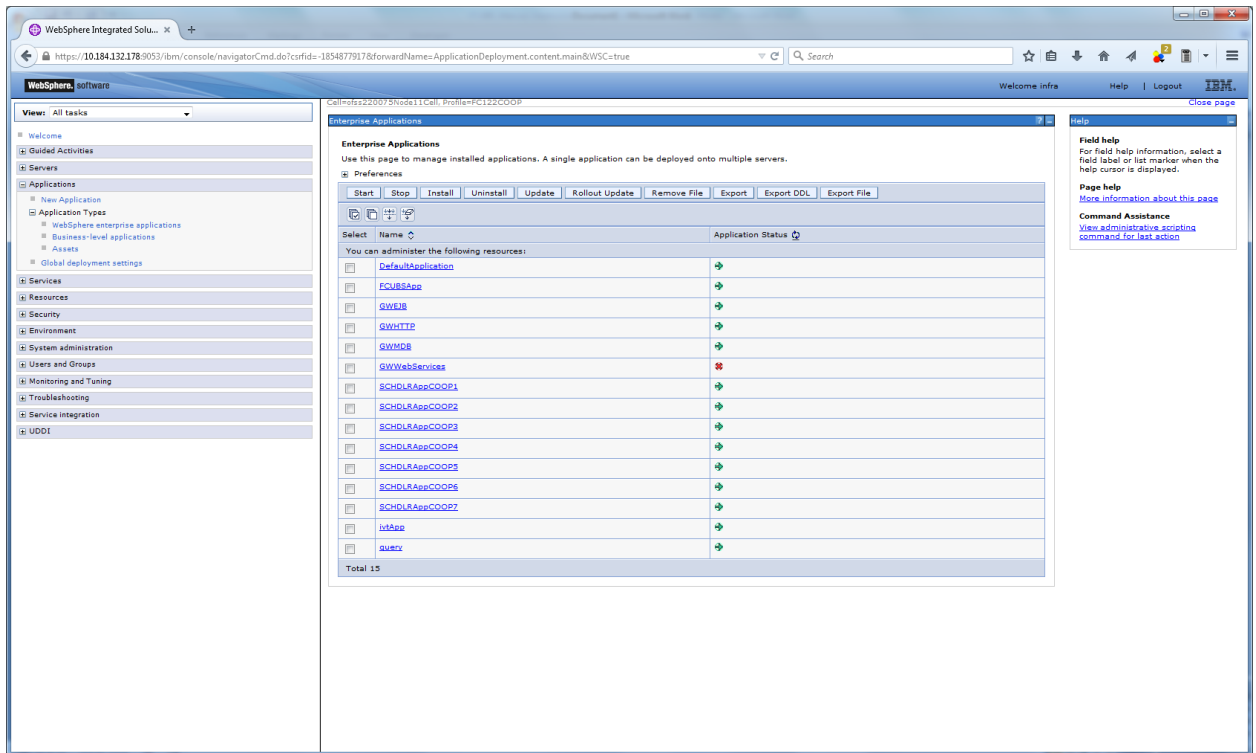
11. Click on next and the following screen is displayed.



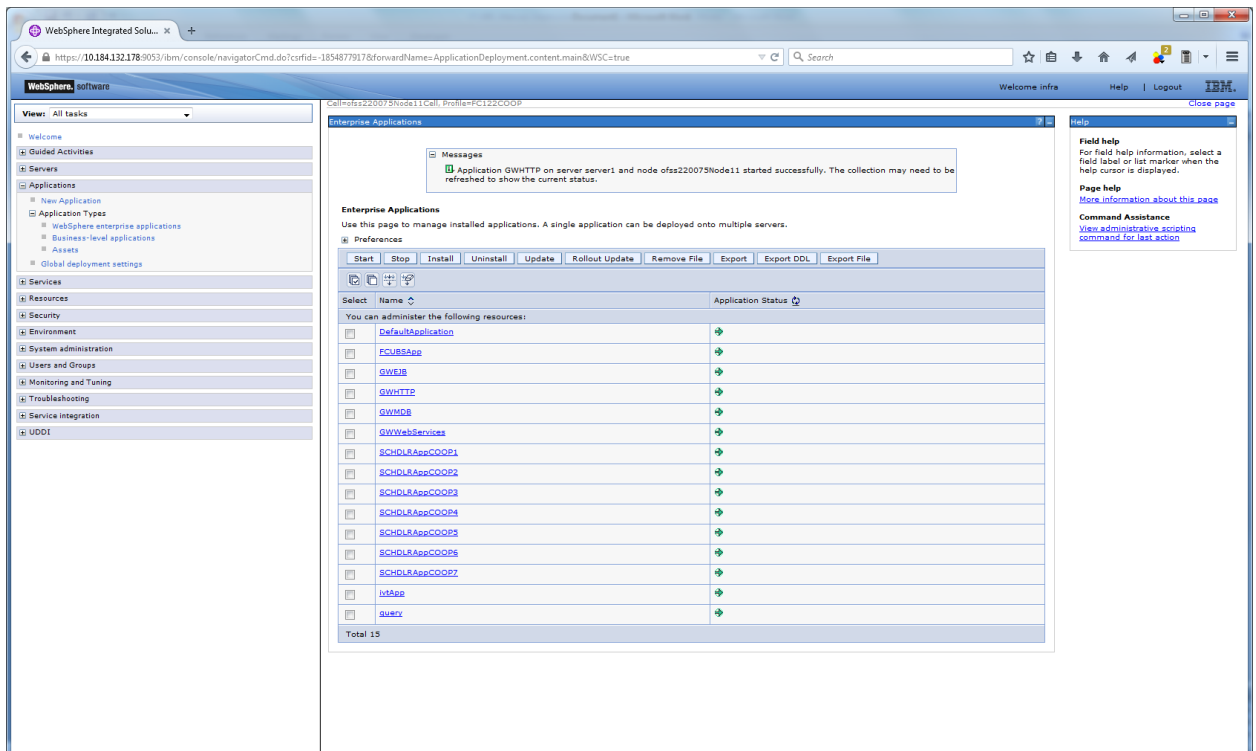
12. Click on finish and the following screen displayed.



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  
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