

Deploying Oracle Banking Treasury Management Application
on WebSphere

Oracle Banking Treasury Management

Release 14.4.0.0.0

[April] [2020]



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1. Deploying Oracle Banking Treasury Management on WebSphere

1.1 Introduction

This document explains the steps to deploy the Oracle Banking Treasury Management application on IBM WebSphere application server.

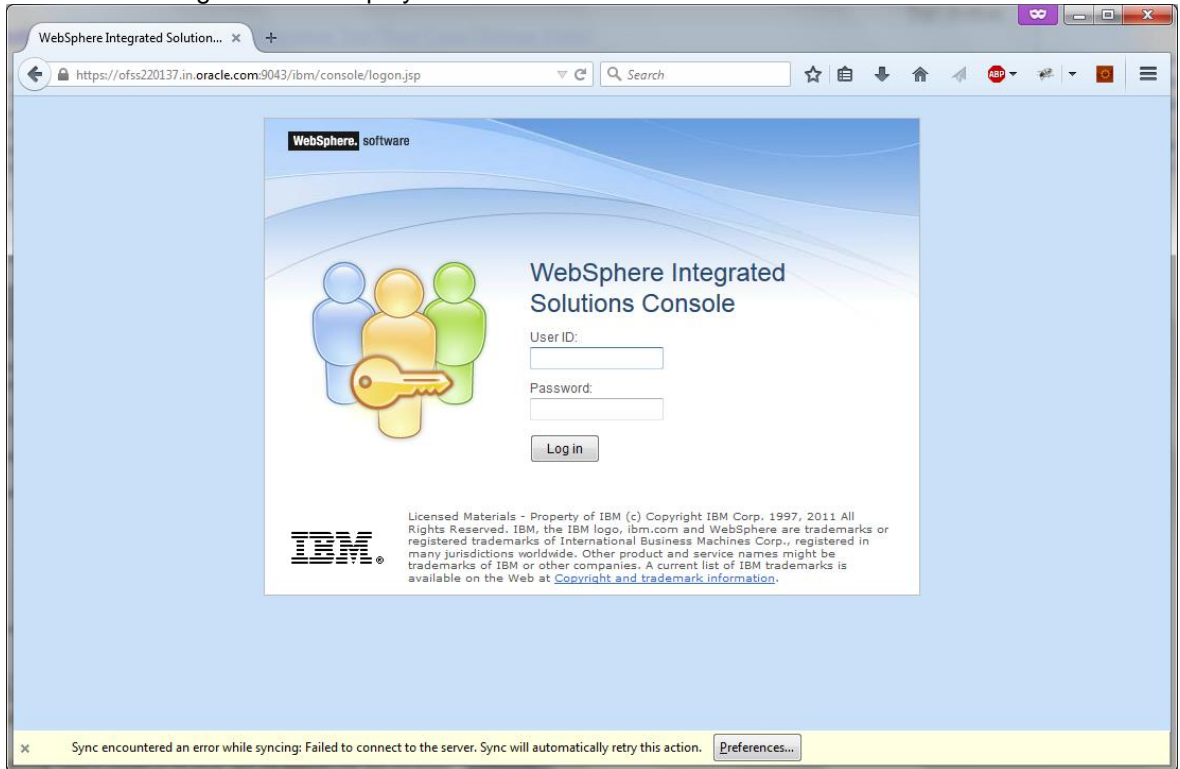
1.2 Deploying Application

1.2.1 Shared Library Deployment

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

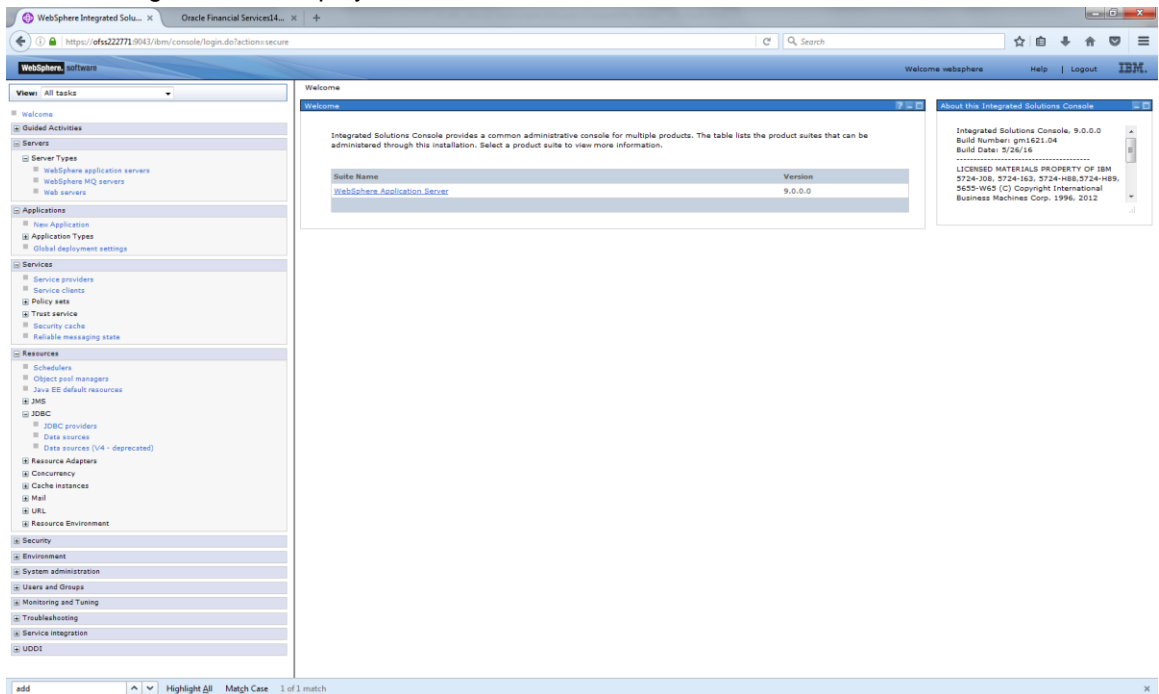
1. Copy Generated Integration Adapter (OBTRExtAdapter.jar) to WebSphere Application server {Was_profile}/OBTRExtadapter. Eg:
/scratch/IBM8559/WebSphere/AppServer/profiles/BGV8559_01/OBTRExtadapter
2. Open the Administrative Console of WebSphere server:
 - Open an internet browser and type the WebSphere 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:



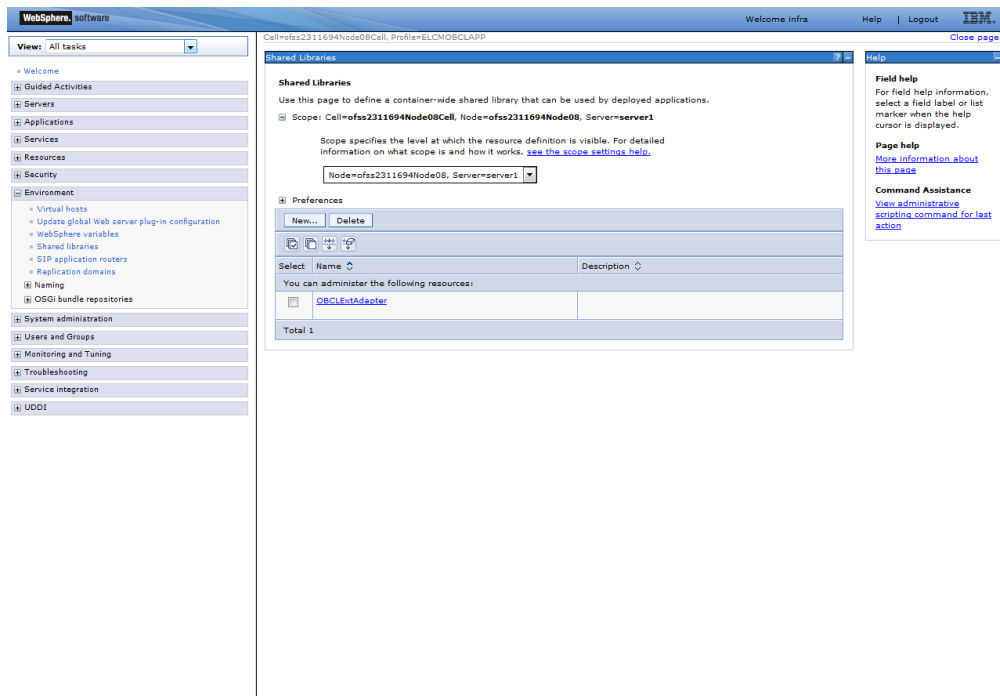
4. Enter the user name and password and click 'Log In' to log in to the application server.
5. Navigate to the WebSphere Home Page.

The following screen is displayed.



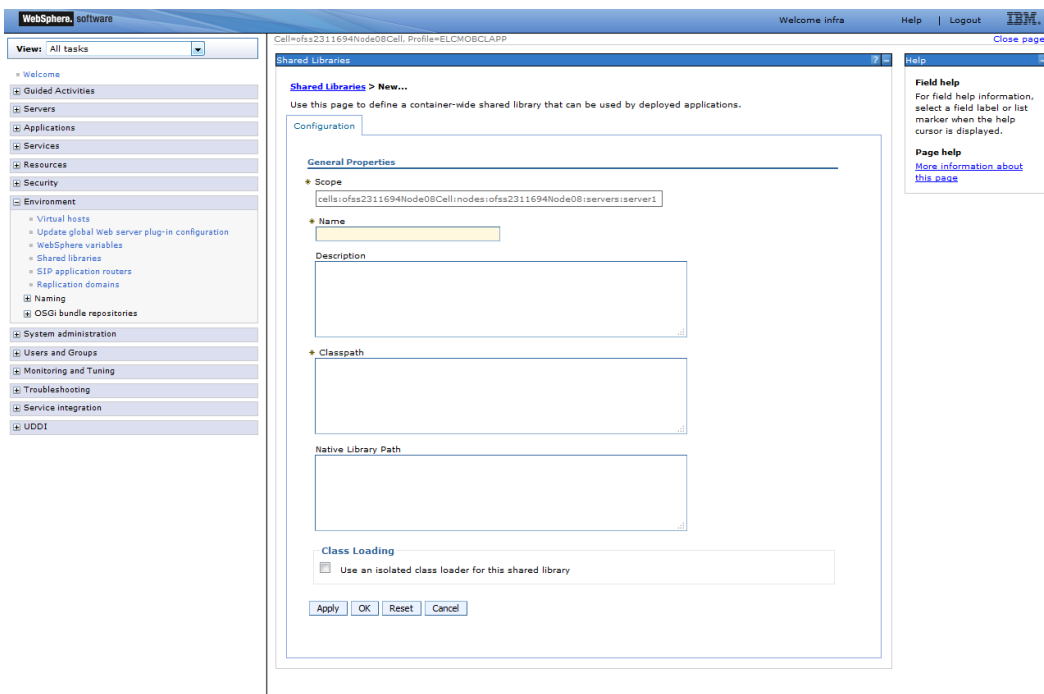
6. Expand Environment from left-side menu and Click 'Shared Libraries'.

The following screen is displayed.



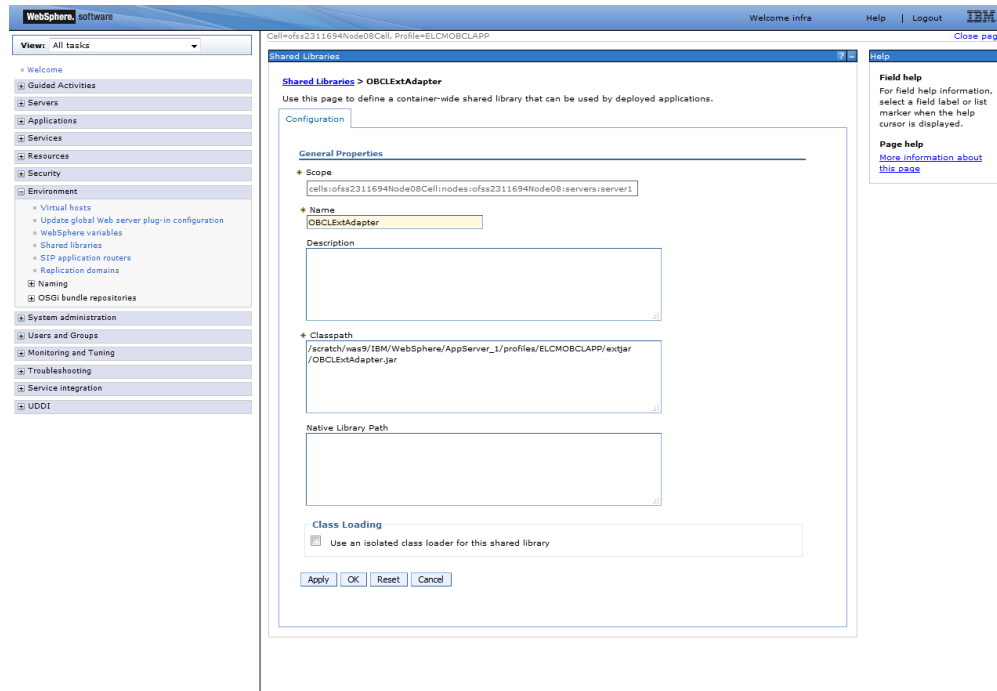
7. Click on New

The following screen is displayed.



- o Name : Name of the Adapter
- o Description : provide description

- Classpath: provide OBTRExtAdapter Jar path server {Was_profile}/OBTRExtadapter. Eg: /scratch/IBM8559/WebSphere/AppServer/profiles/BGV8559_01/OBTRExtadapter.



8. Click 'Apply' and 'save' the changes.

1.2.2 OBTR Application Deployment

To deploy Oracle Banking Treasury Management application on WebSphere application server, follow the steps given below:

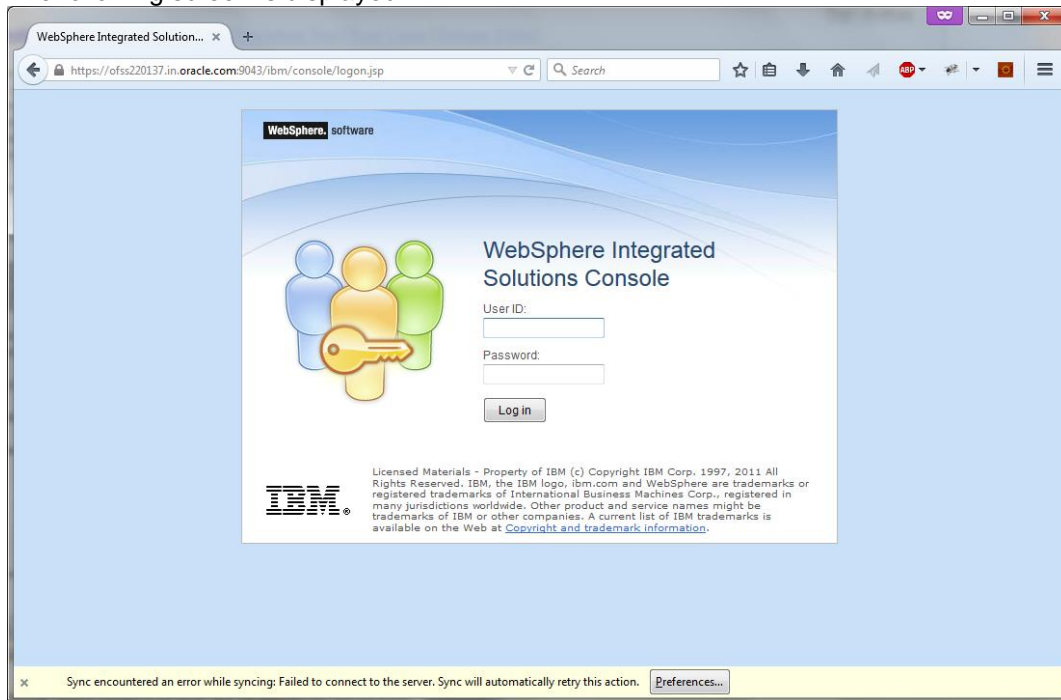
9. Open the Administrative Console of WebSphere server:

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.

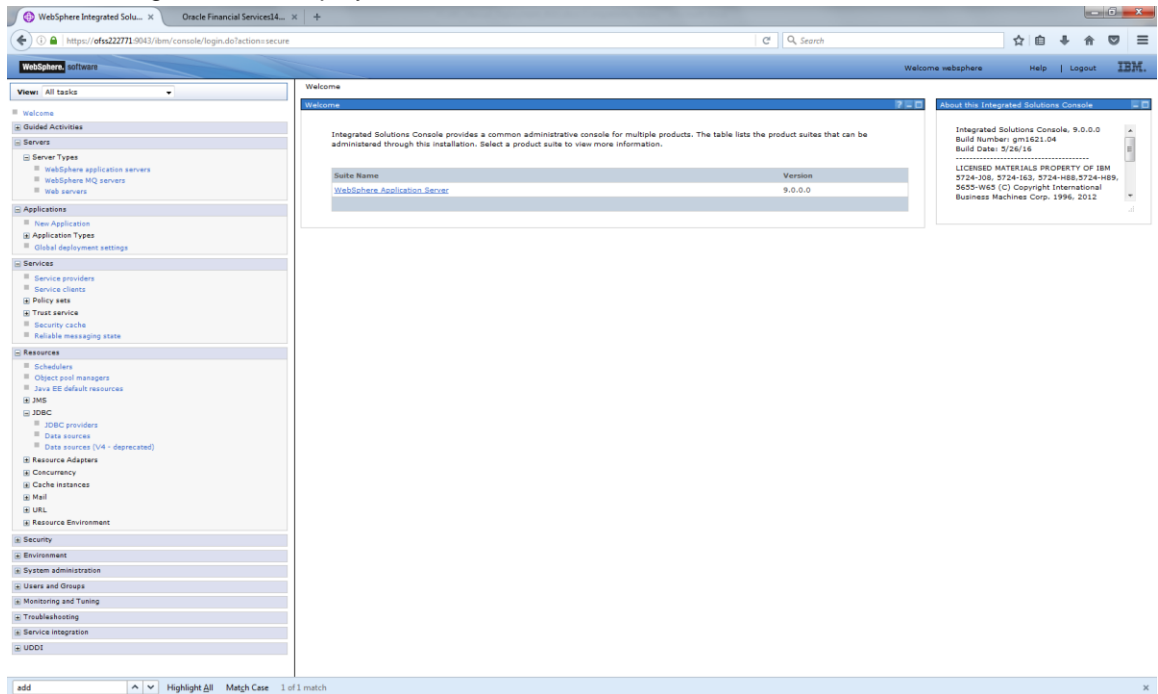
The following screen is displayed:



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

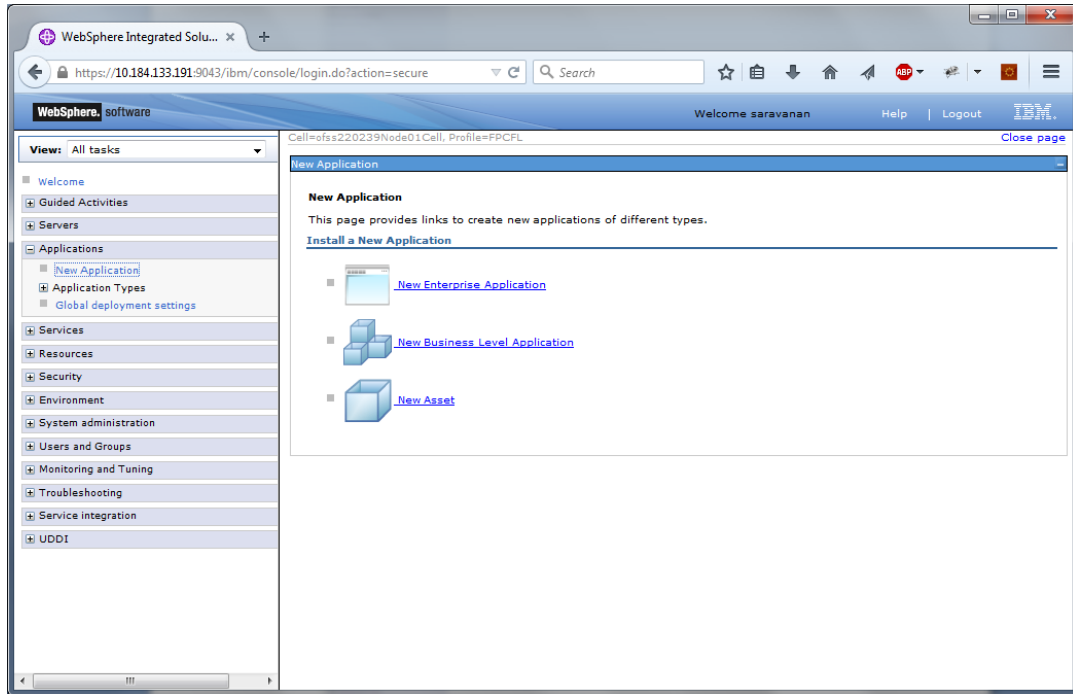
11. Navigate to the WebSphere Home Page.

The following screen is displayed.

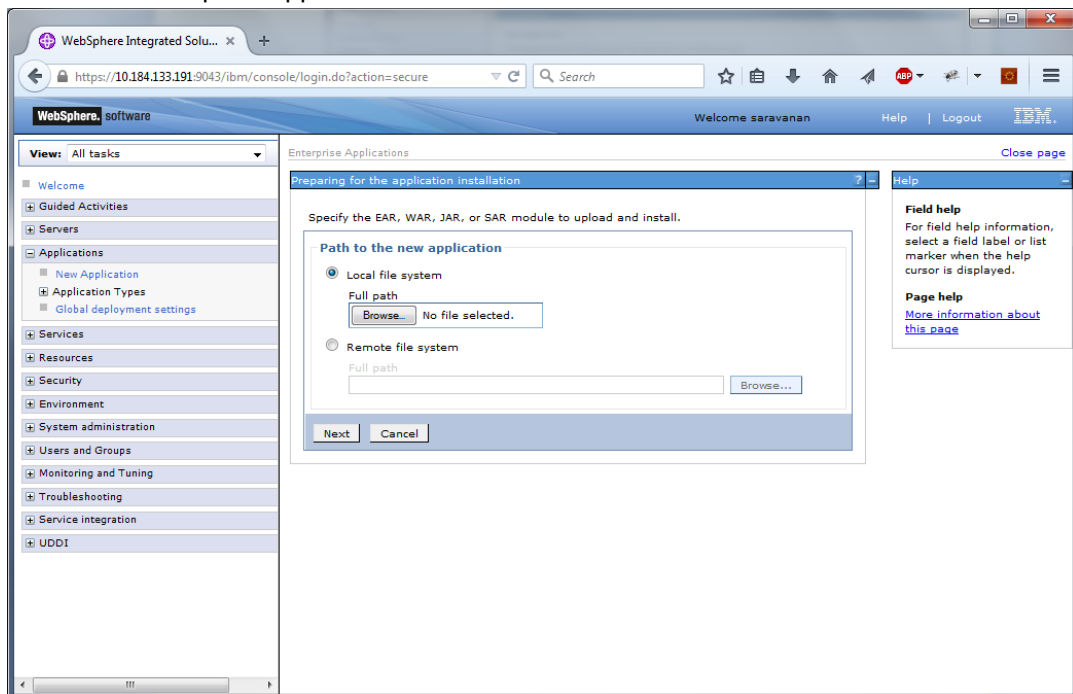


12. Expand Applications from left-side menu and Click 'New Application'.

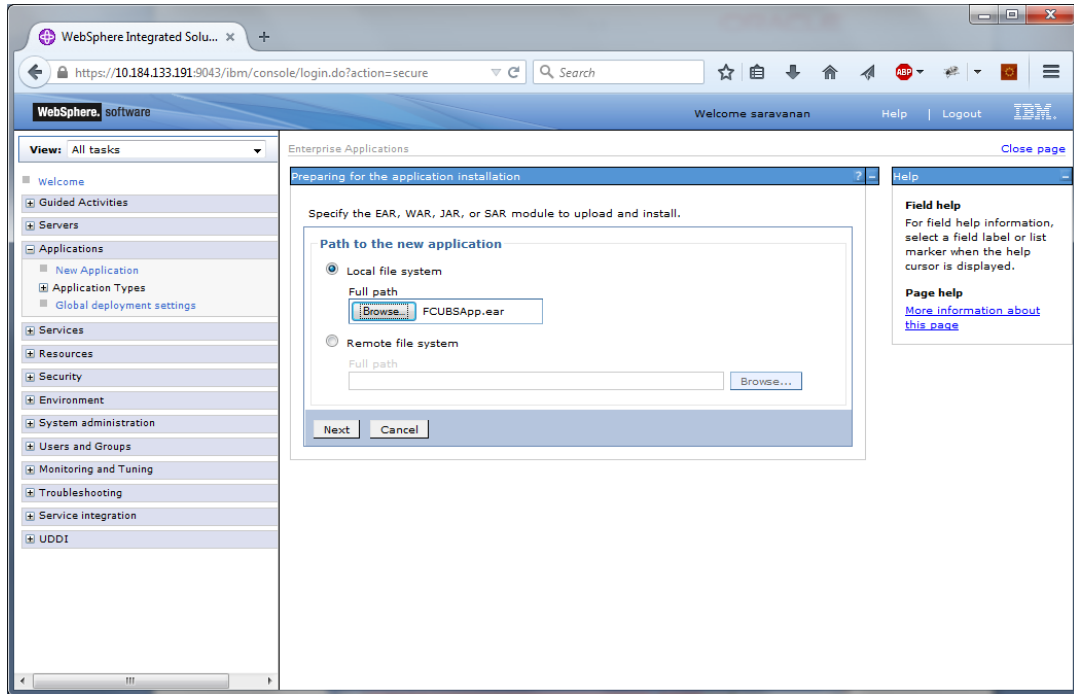
The following screen is displayed.



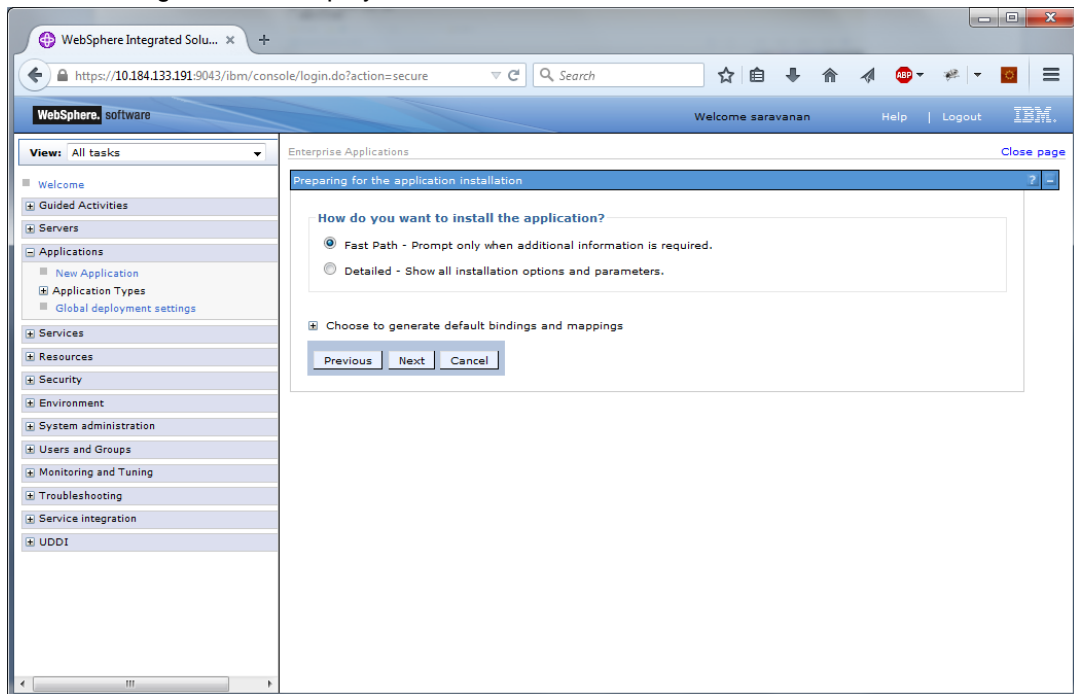
13. Click 'New Enterprise Application'.



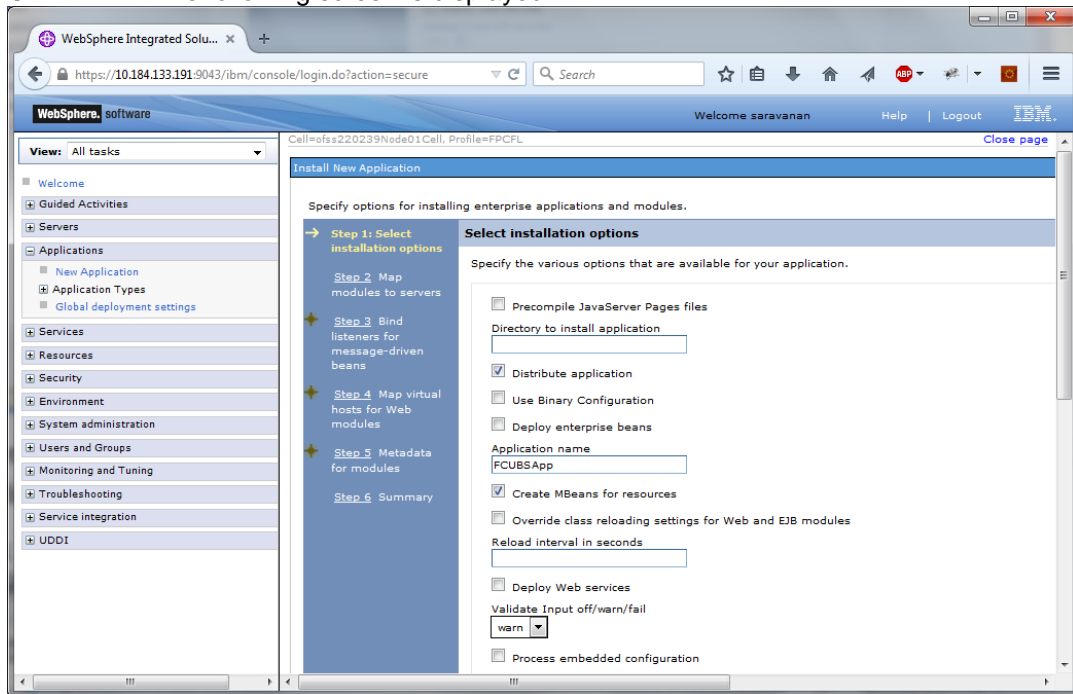
14. Browse the application EAR file and click next button



The following screen is displayed.

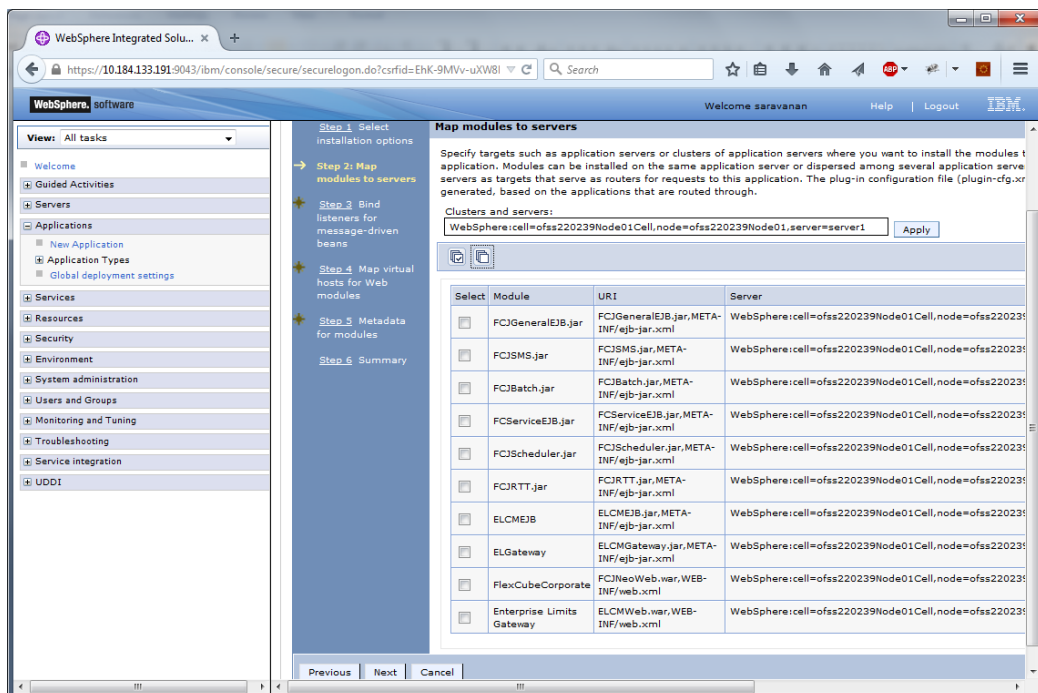


15. Click 'Next'. The following screen is displayed.

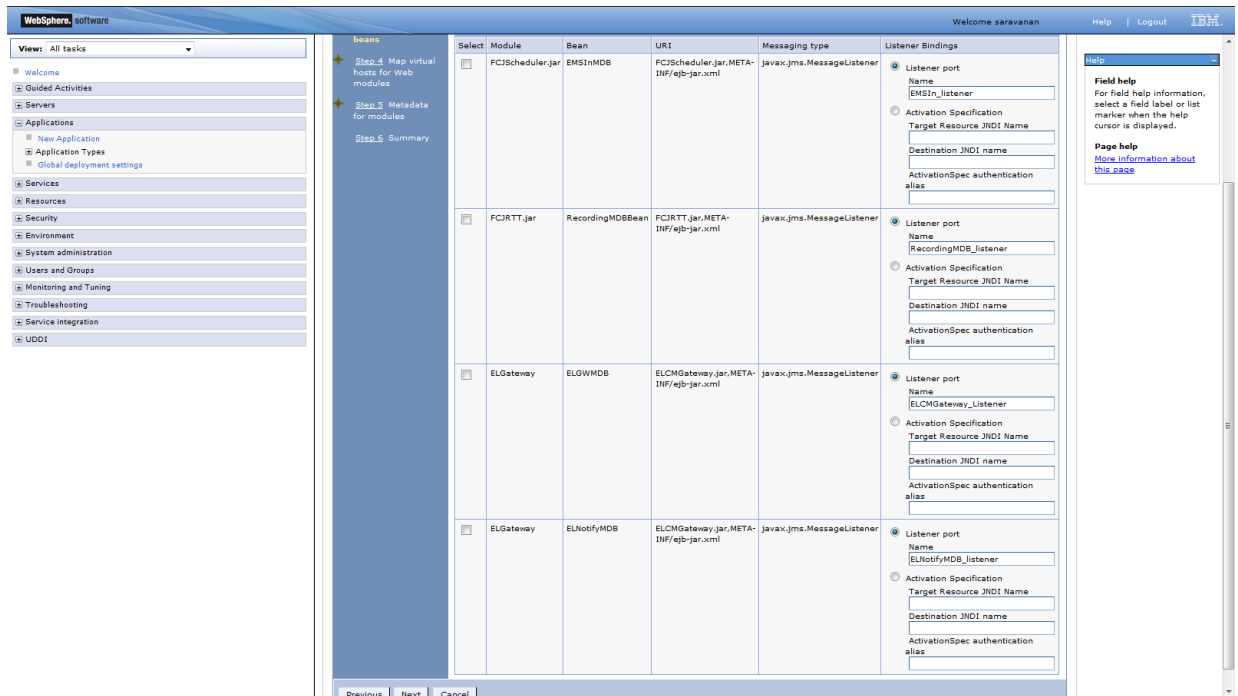


16. Enter the Application Name. This should be the application name mentioned as part of EAR building.

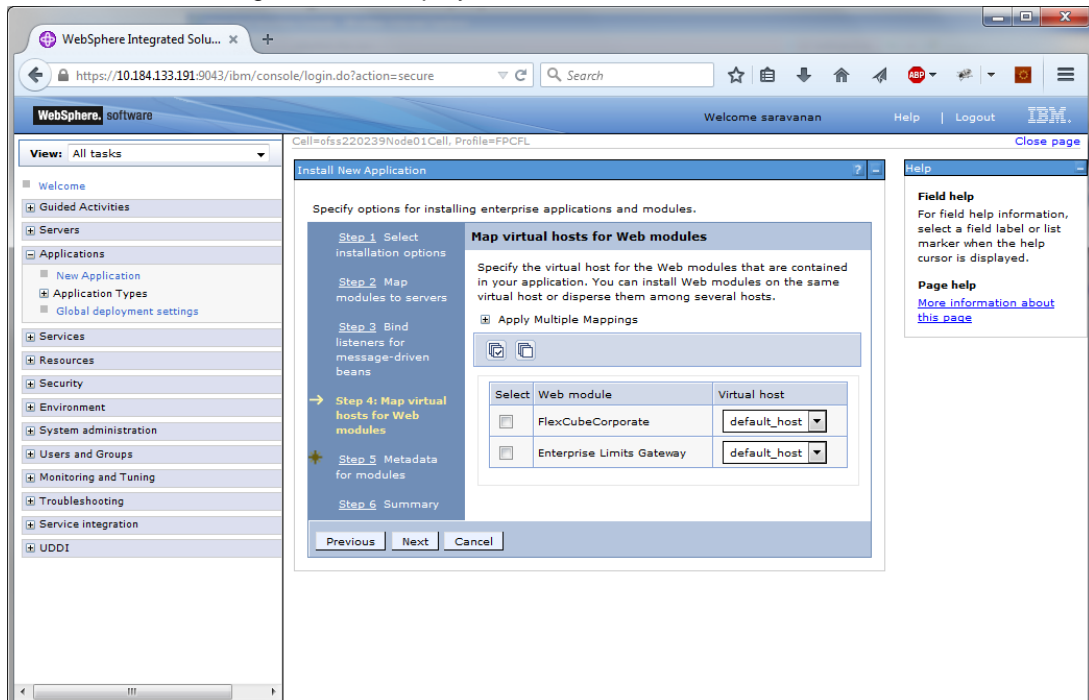
17. Click 'Next'.



19. Specify the details as shown in the figure.

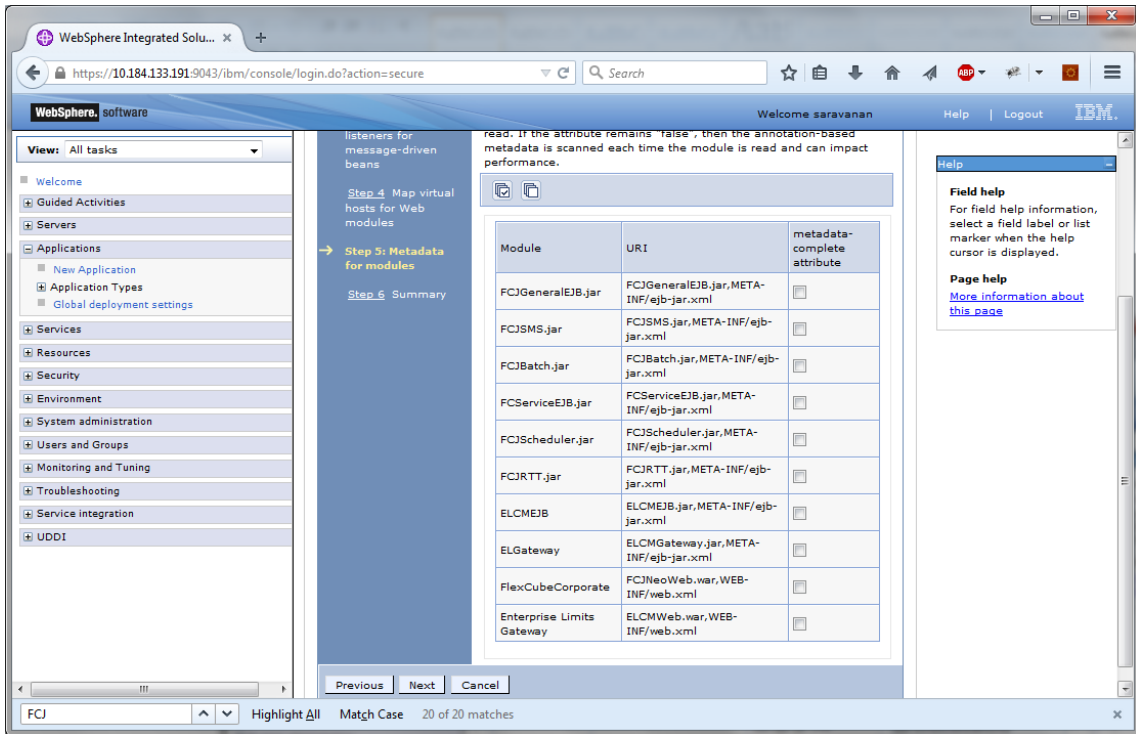


20. Click 'Next'. Following screen is displayed

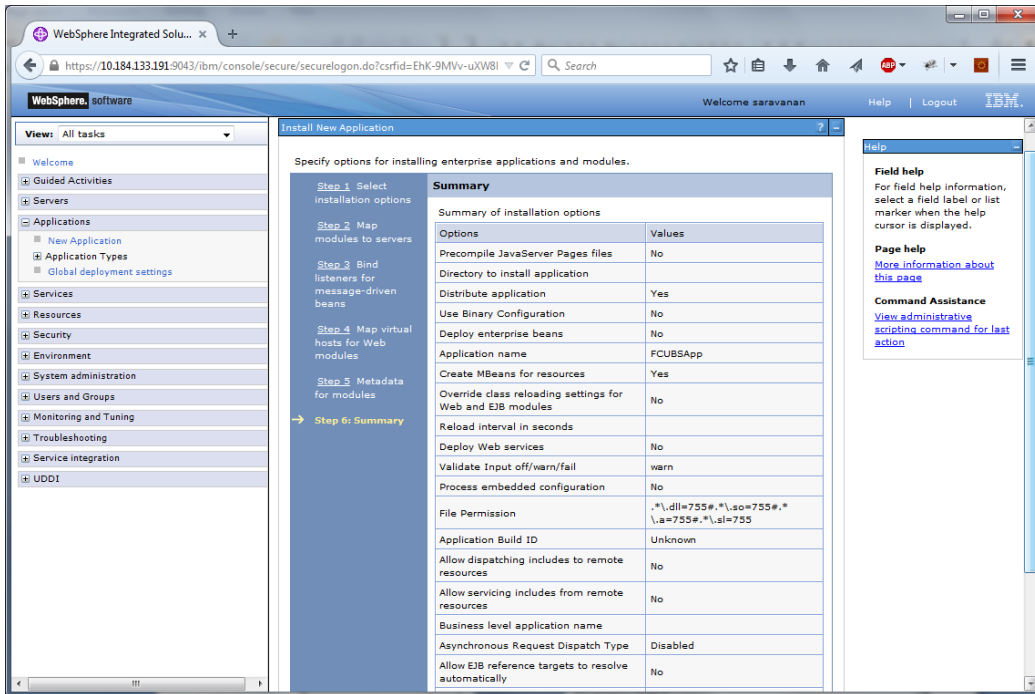


21. Click 'Next'.

The following screen is displayed.

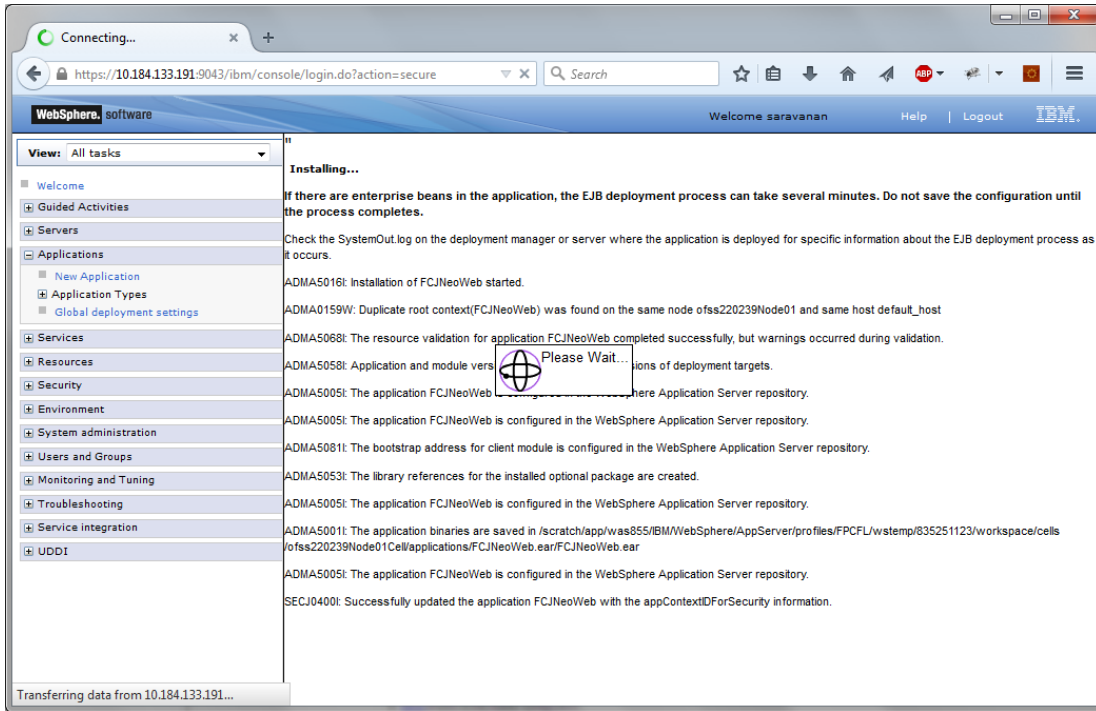


22. Click next.

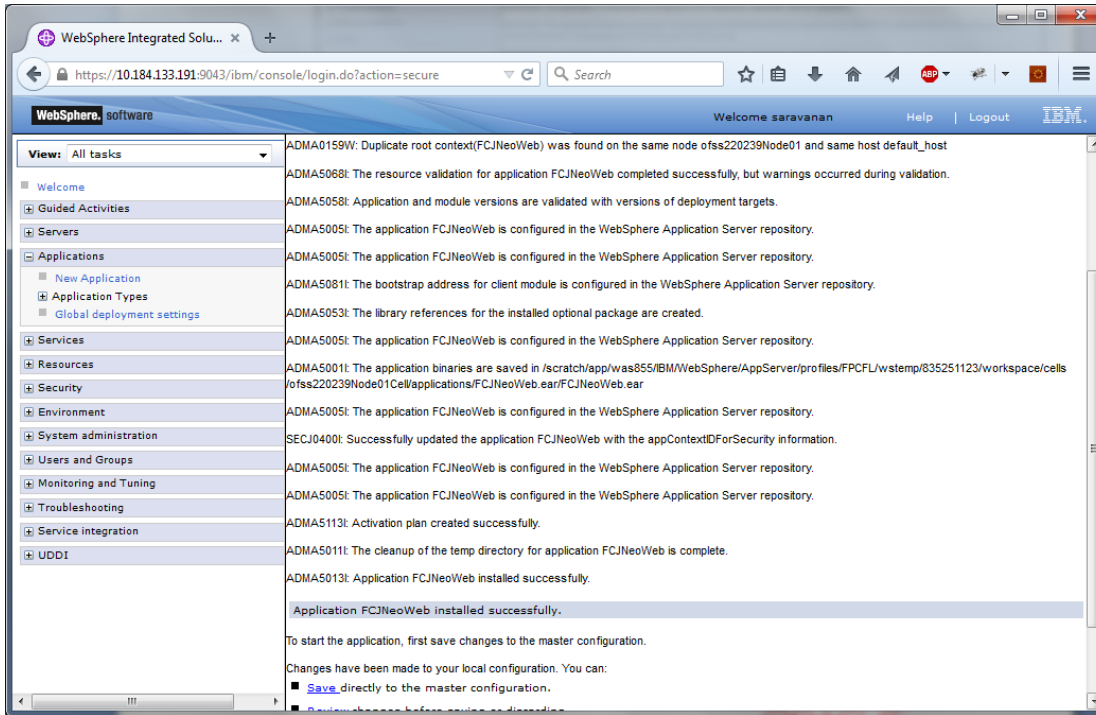


23. Click 'Finish'.

The following screen is displayed.

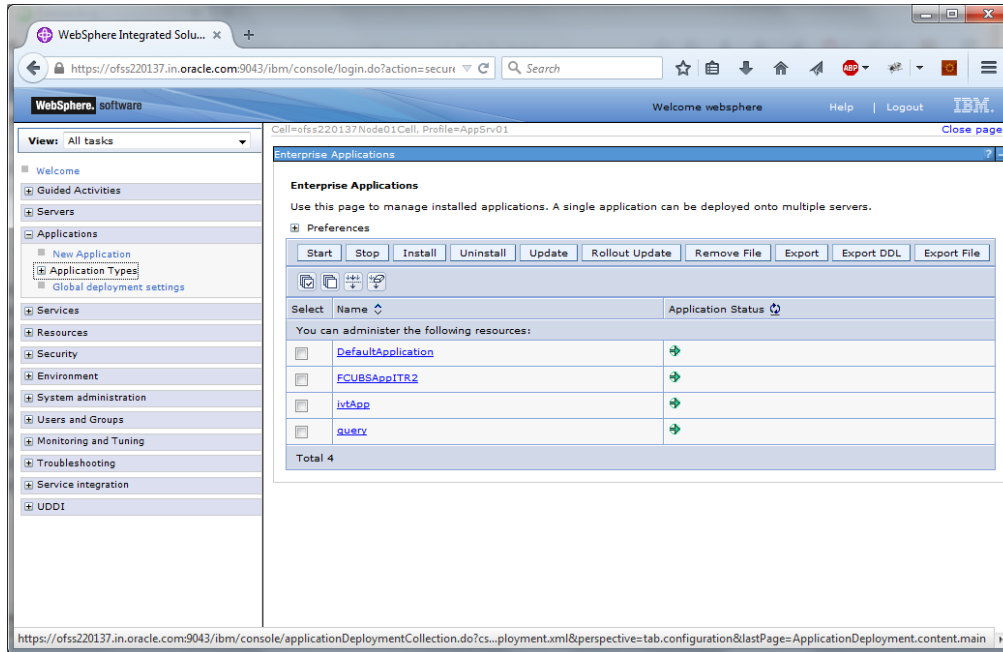


Wait for few seconds...



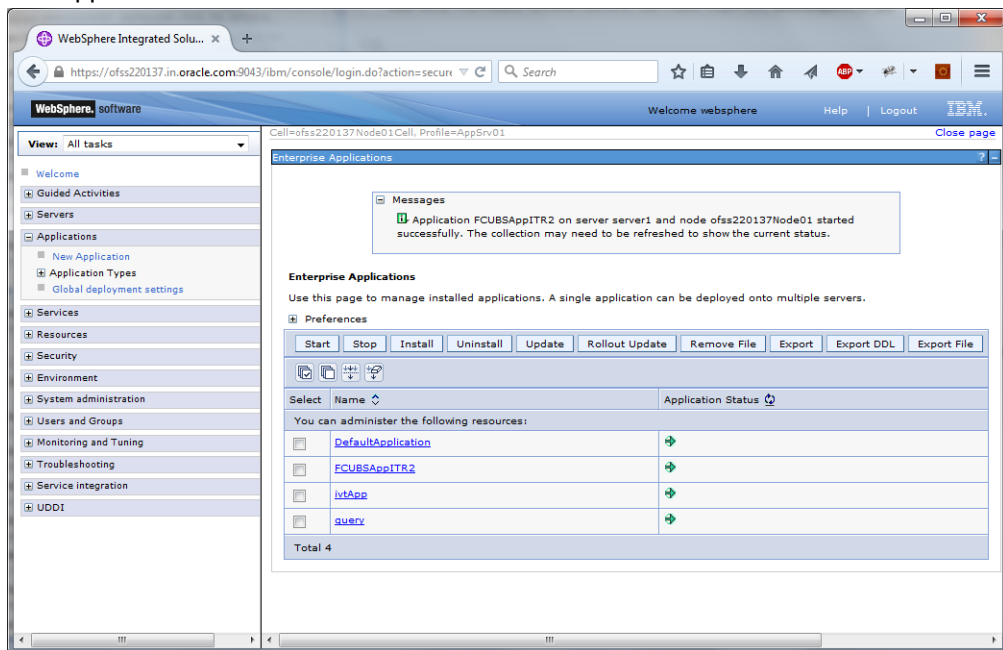
24. Click 'Save'.

The following screen is displayed.



25. Select the application and click 'Start'.

The application starts as shown below:



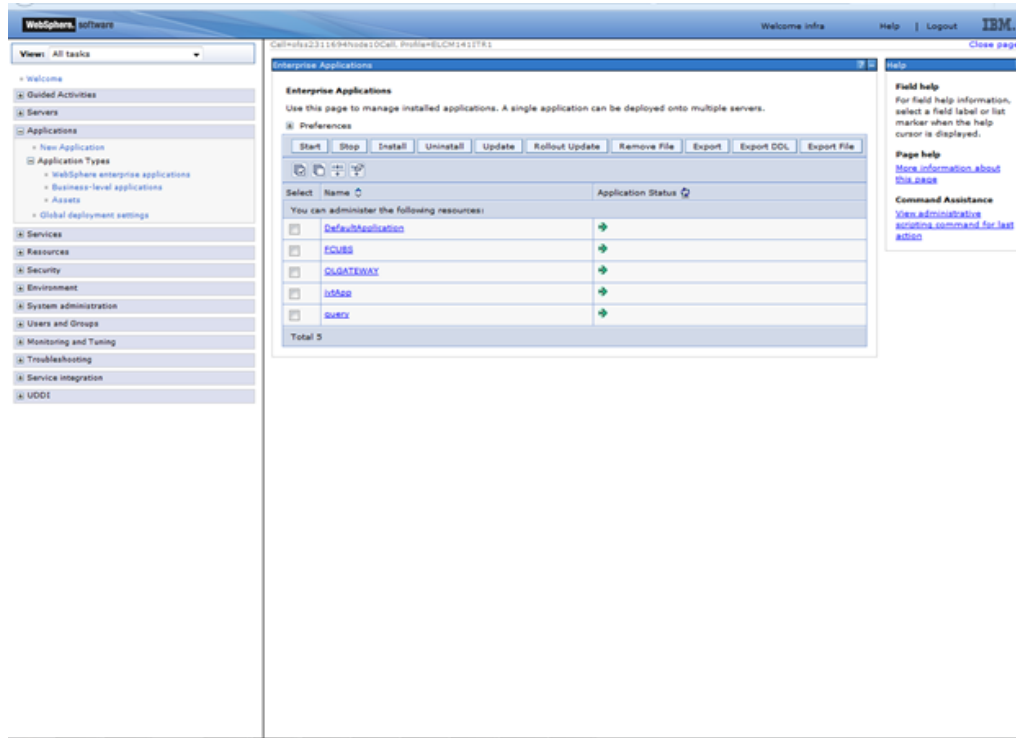
This completes the deployment of EAR (FCJNeoWeb.ear) on IBM WebSphere 9.0.0.0 Application Server from the Administration Console.

1.2.3 Link the adapter (Shared Libraries) to the Application

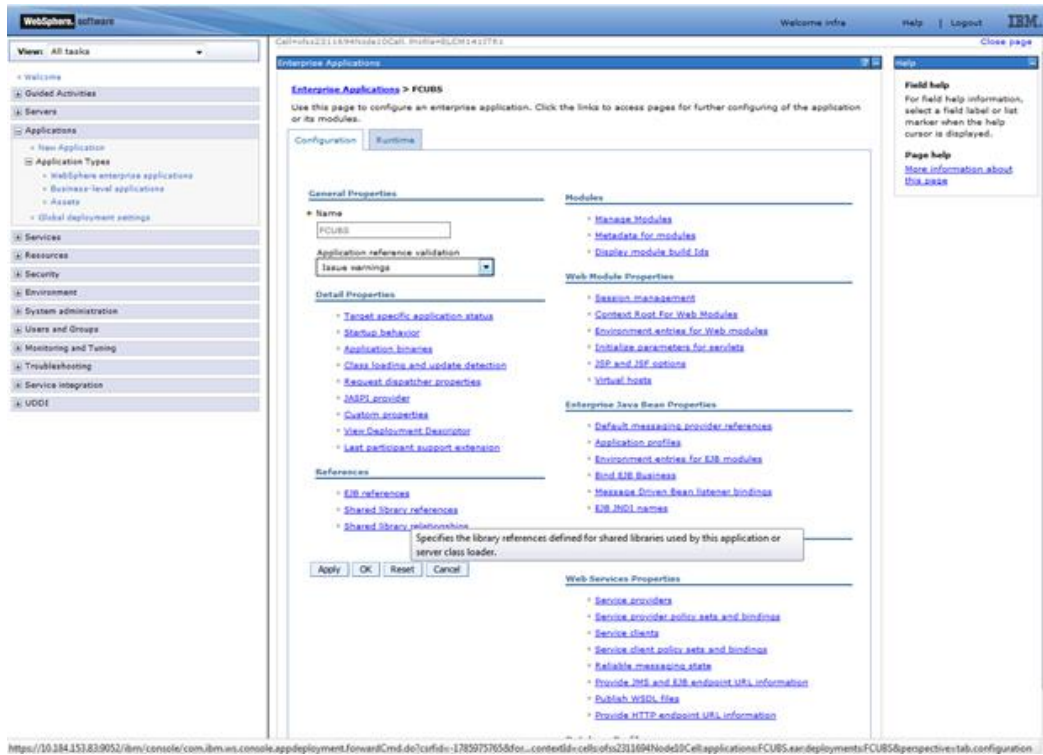
1. Open the Administrative Console of WebSphere server:
2. Open an internet browser and type the WebSphere Admin Console URL `http://{Host}:{Port}/console`.
3. Eg: `https://10.10.10.10:1010/console`
4. In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running

Go to Applications → Application types → WebSphere enterprise applications →

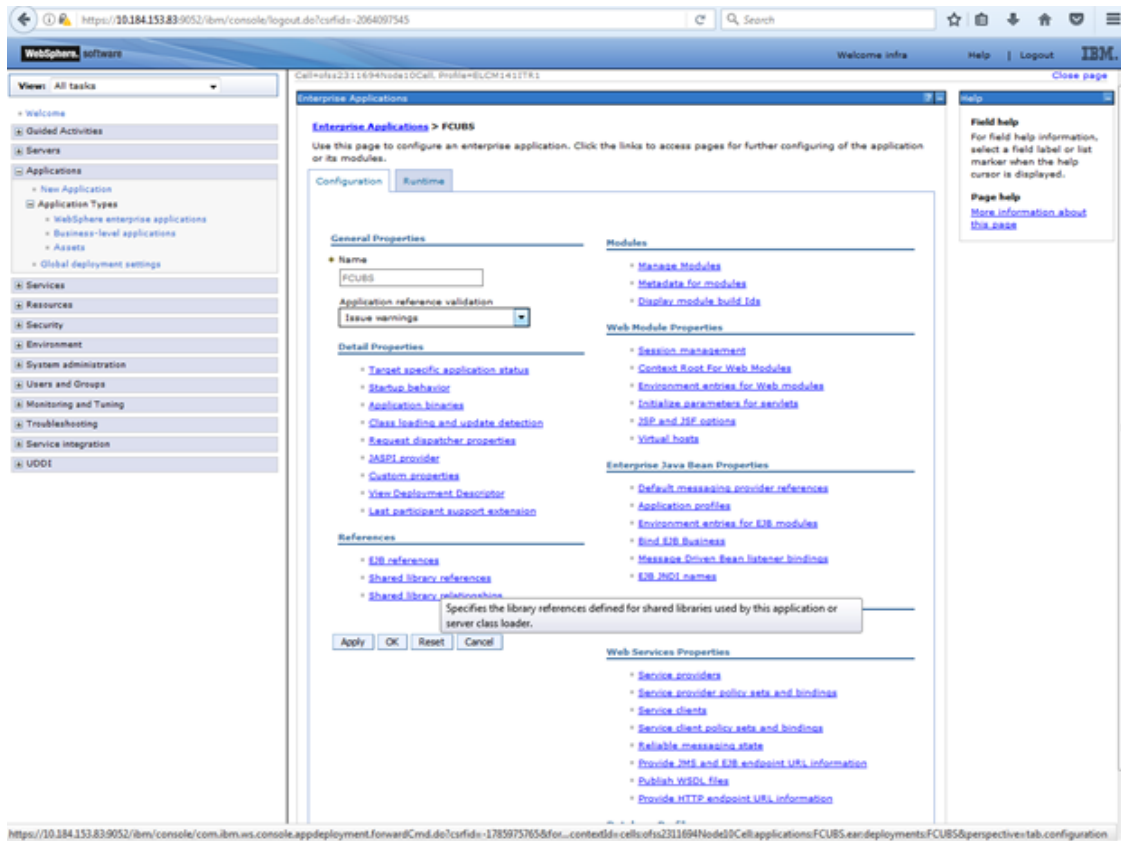
Click on the resource where the adapter to be added (here it is FCUBS)



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.

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 binades
- Class loading and update detection
- Request dispatcher properties
- JSP provider
- Custom attributes
- Web 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 logs

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 WS and EJB endpoint URLs information
- Upload WSDL files
- Provide HTTP endpoint URLs information

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]

Selected: ORACLE-WebAdapter

New...

OK Cancel

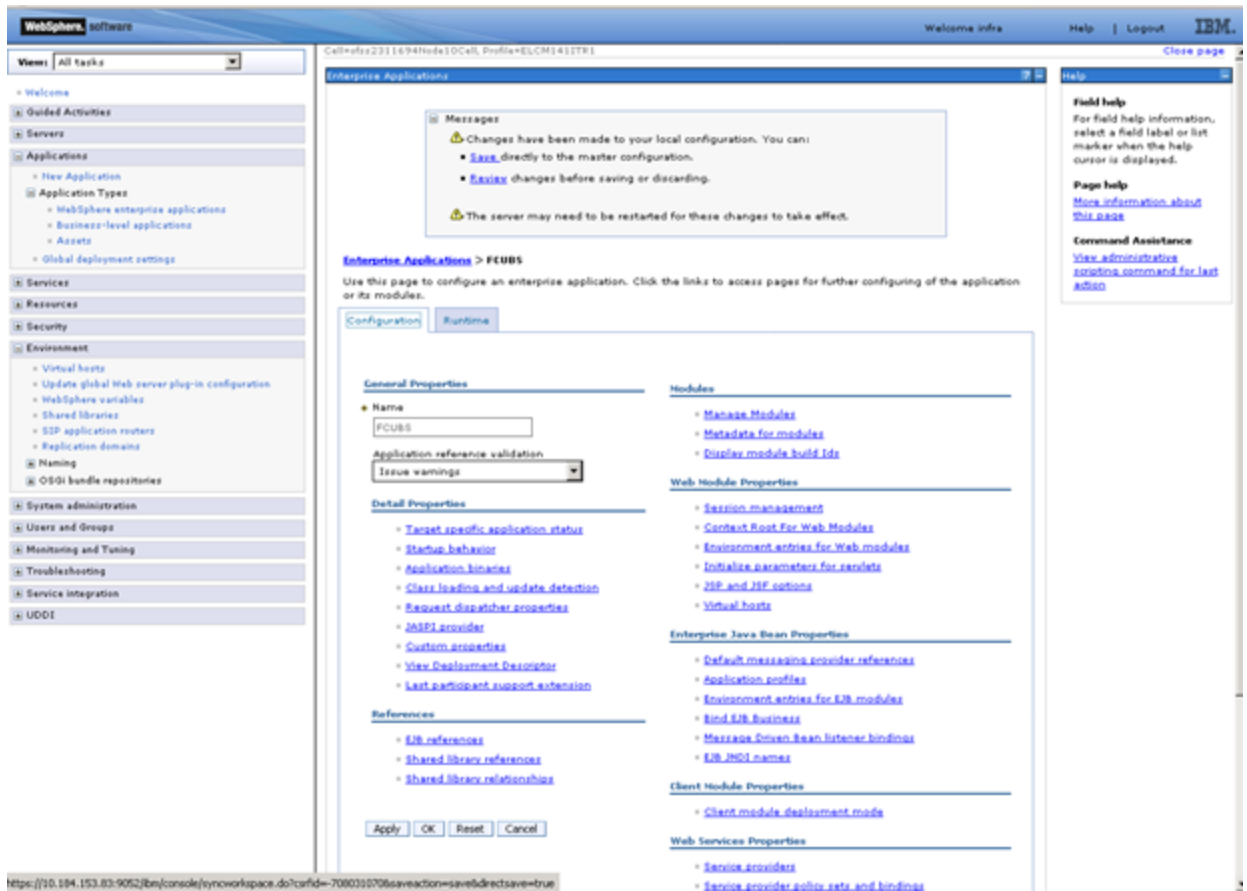
Click ok

The screenshot shows the WebSphere software administration console. The left sidebar contains a navigation tree with categories like 'Welcome', '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 > FCUBS > Shared library references'. Below this, there is a section 'Shared Library Mapping for Modules' with a description: 'Specify shared libraries that the application or individual modules reference. These libraries must be defined in the configuration at the appropriate scope.' A button labeled 'Reference shared libraries' is present. Below the button is a table with three columns: 'Selected: Application', 'URI', and 'Shared Libraries'. The table contains four rows of data:

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

Click save and restart the Application server .



1.2.4 OBTR Scheduler Application Deployment

To deploy Oracle Banking Treasury Management application on WebSphere application server, follow the steps given below:

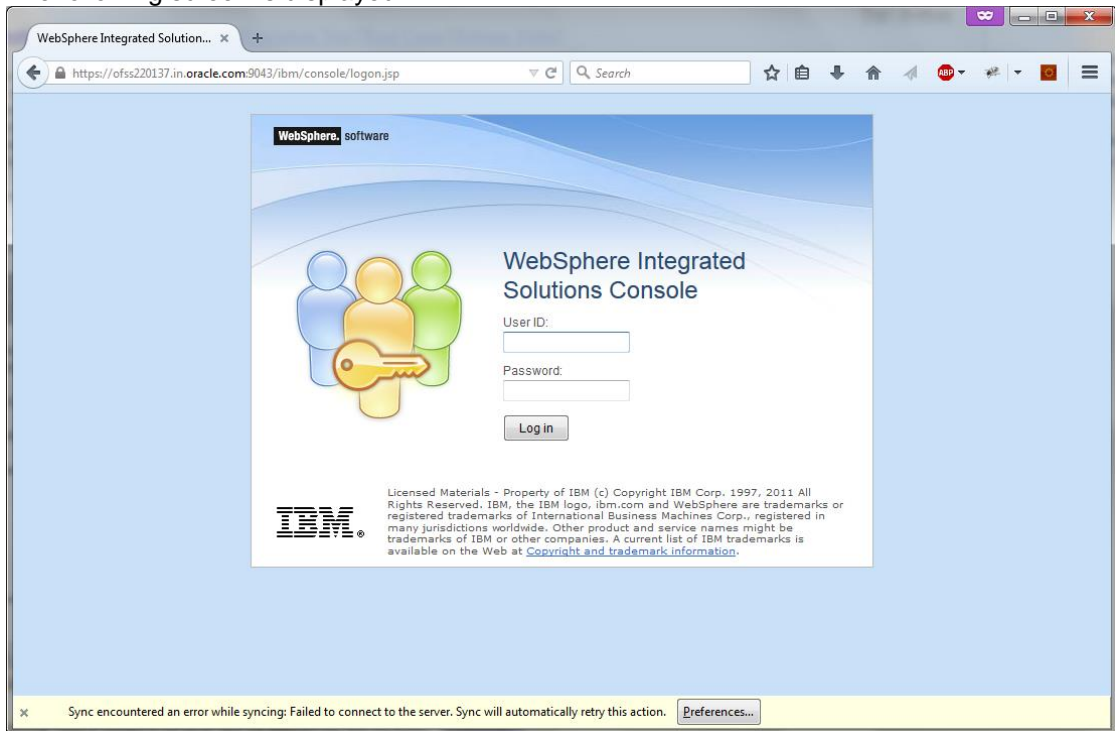
1. Open the Administrative Console of WebSphere server:

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

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

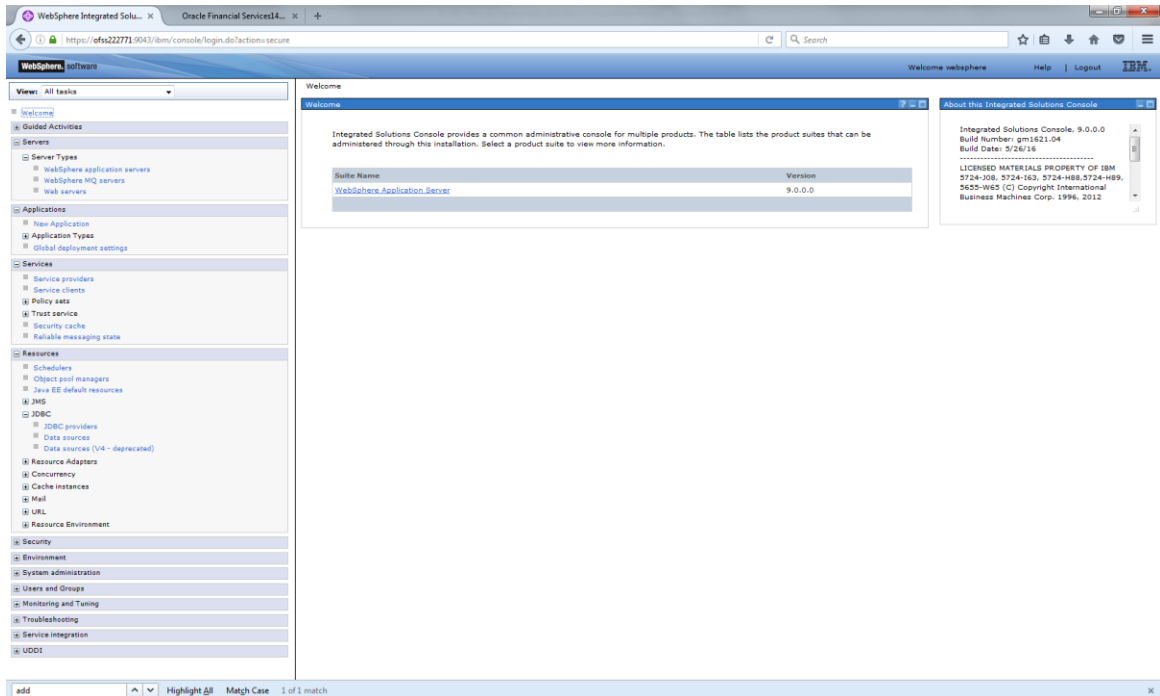
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



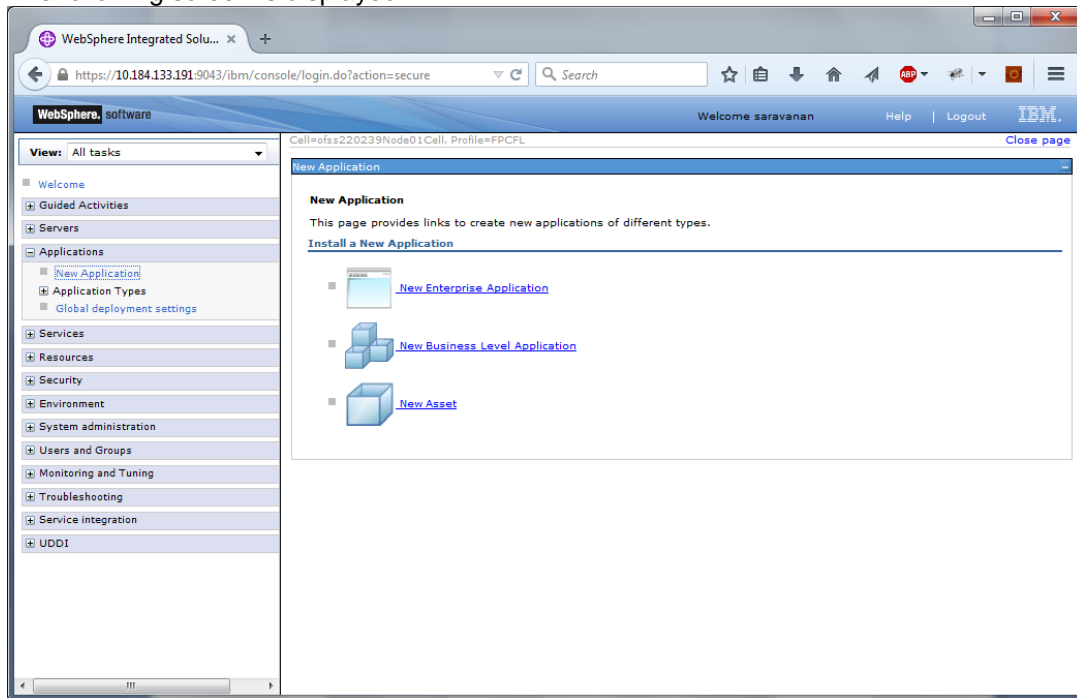
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

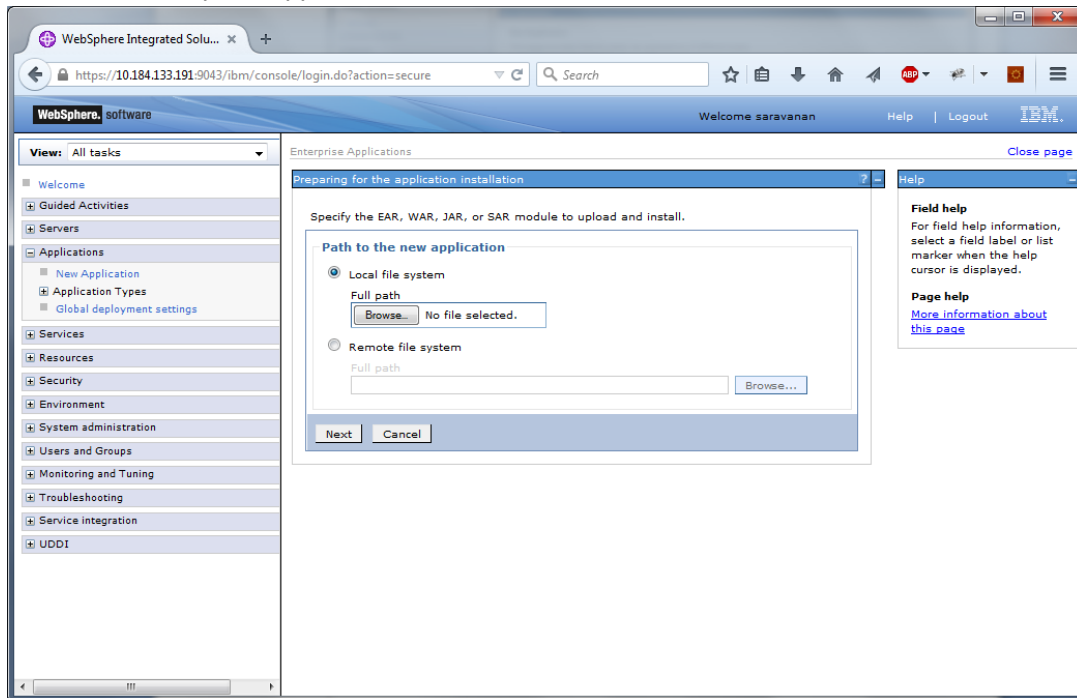


4. Expand Applications from left-side menu and Click 'New Application'.

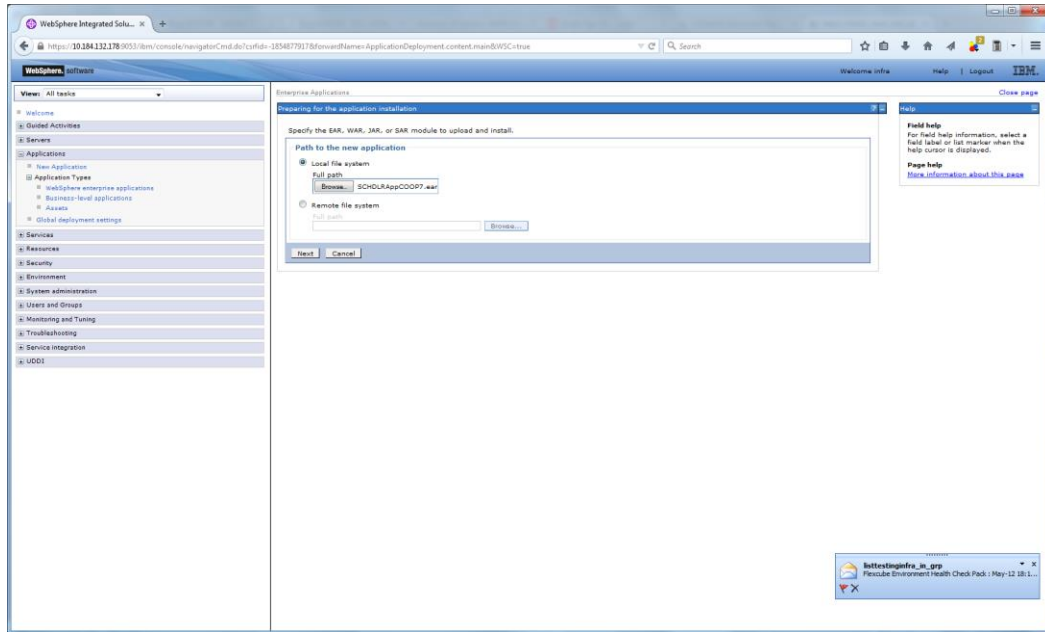
The following screen is displayed.



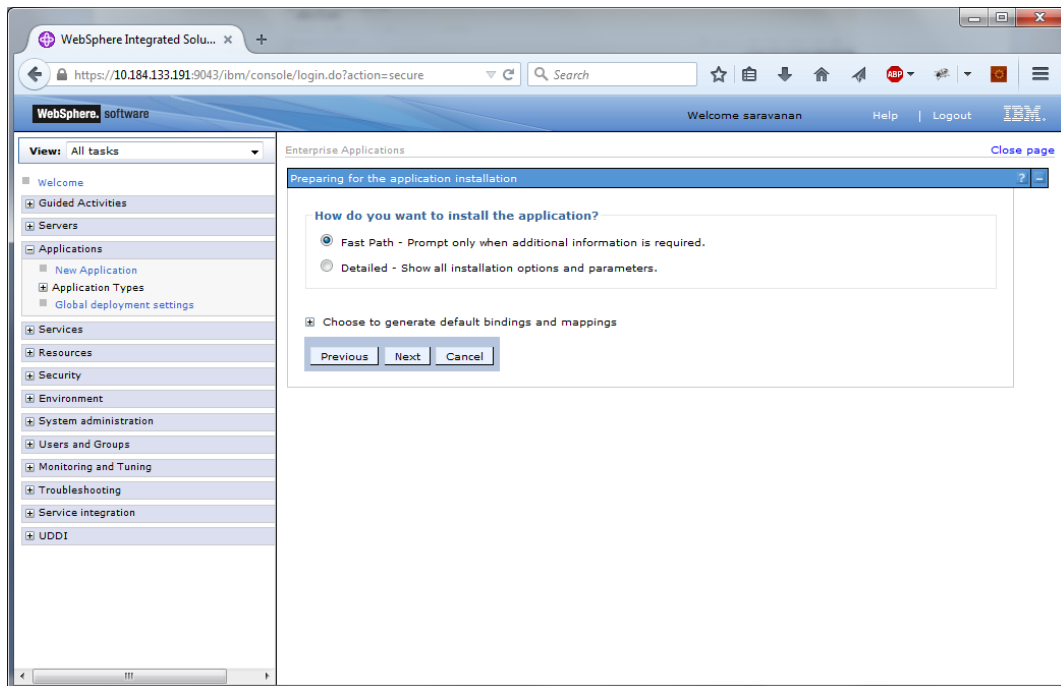
5. Click 'New Enterprise Application'.



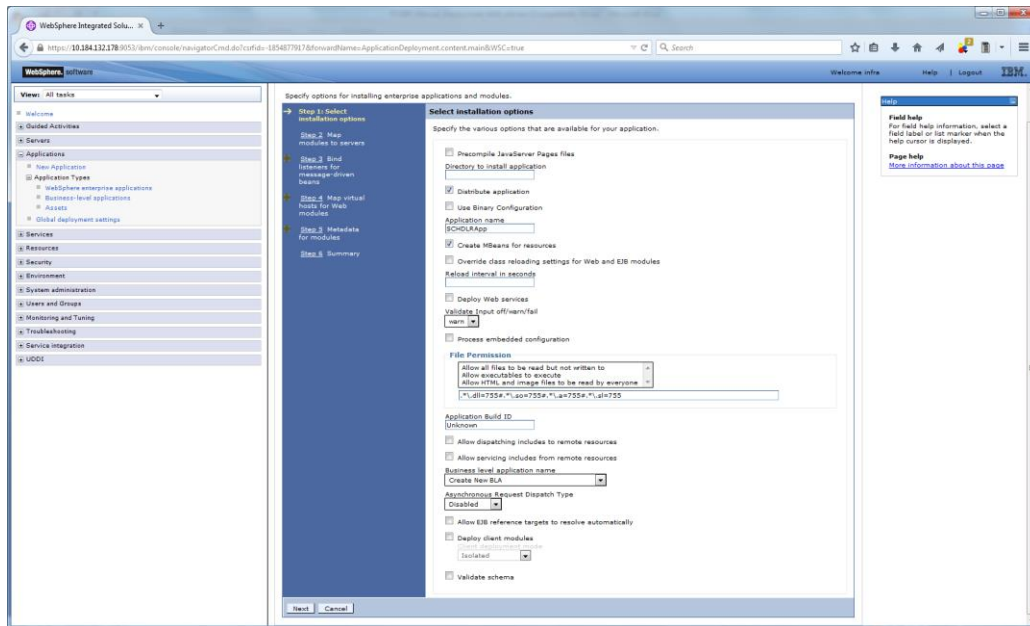
6. Browse the application EAR file and click next button



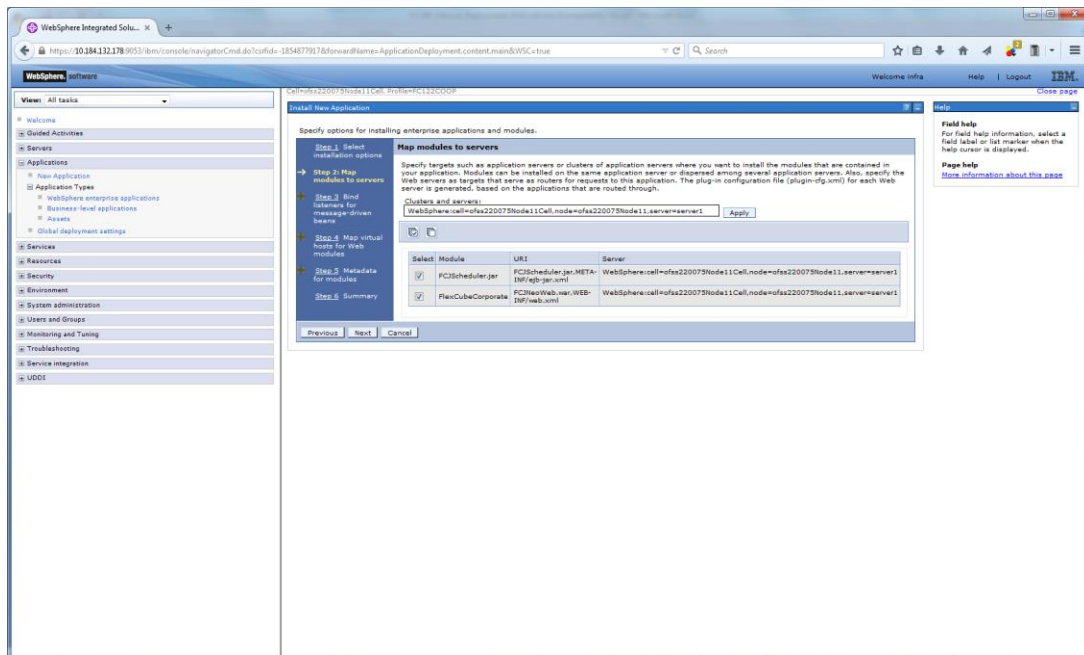
The following screen is displayed.



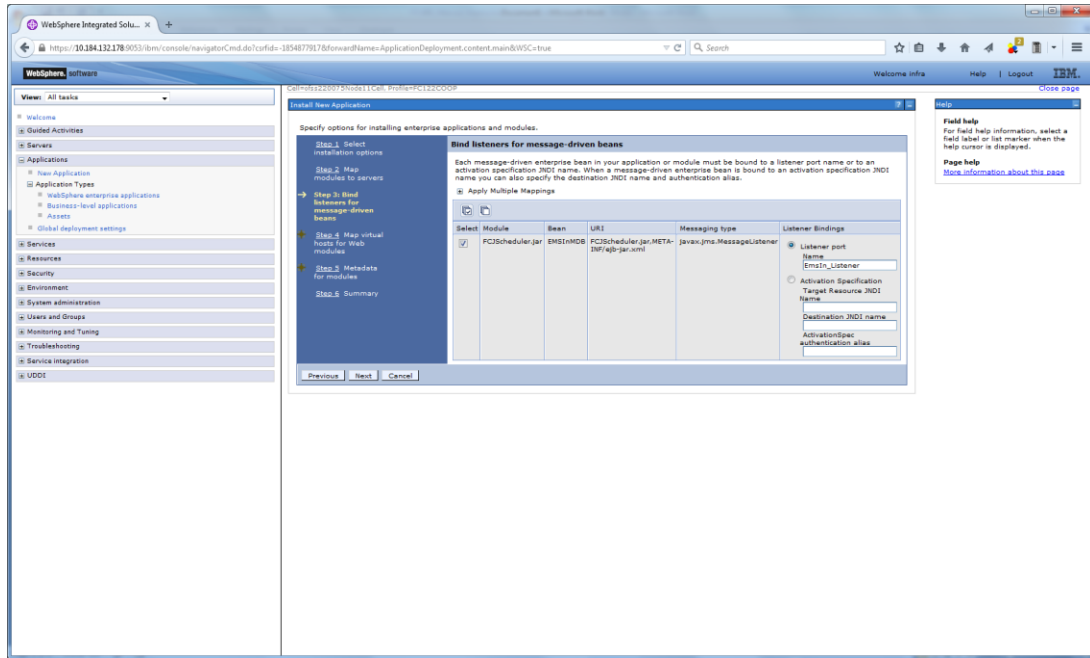
7. Click 'Next'. The following screen is displayed.



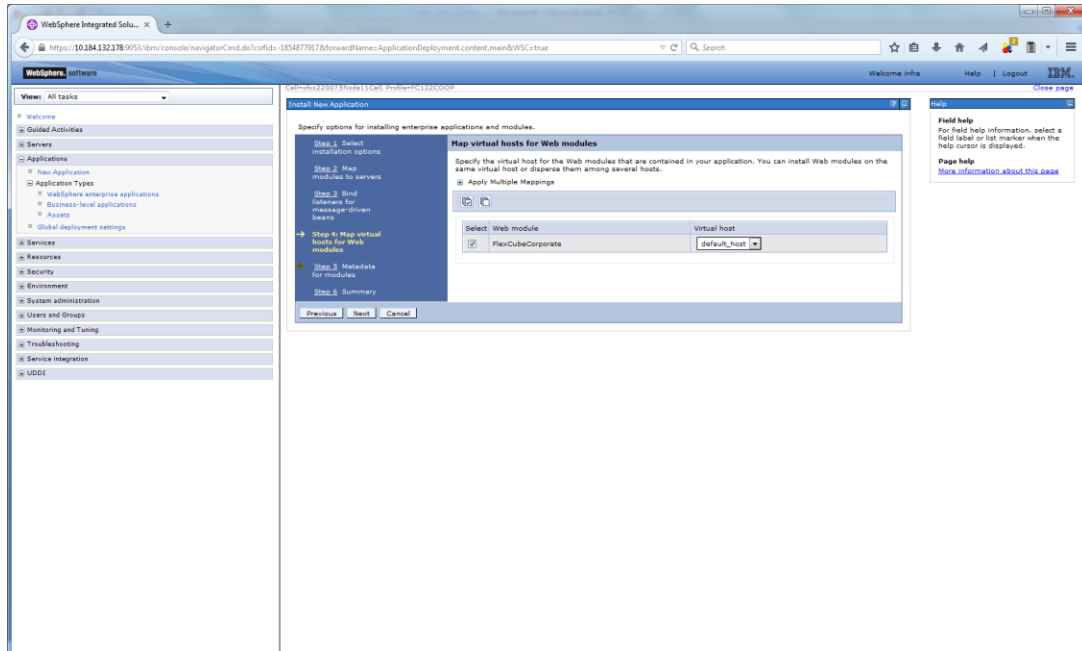
8. Enter the Application Name. This should be the application name mentioned as part of EAR building.



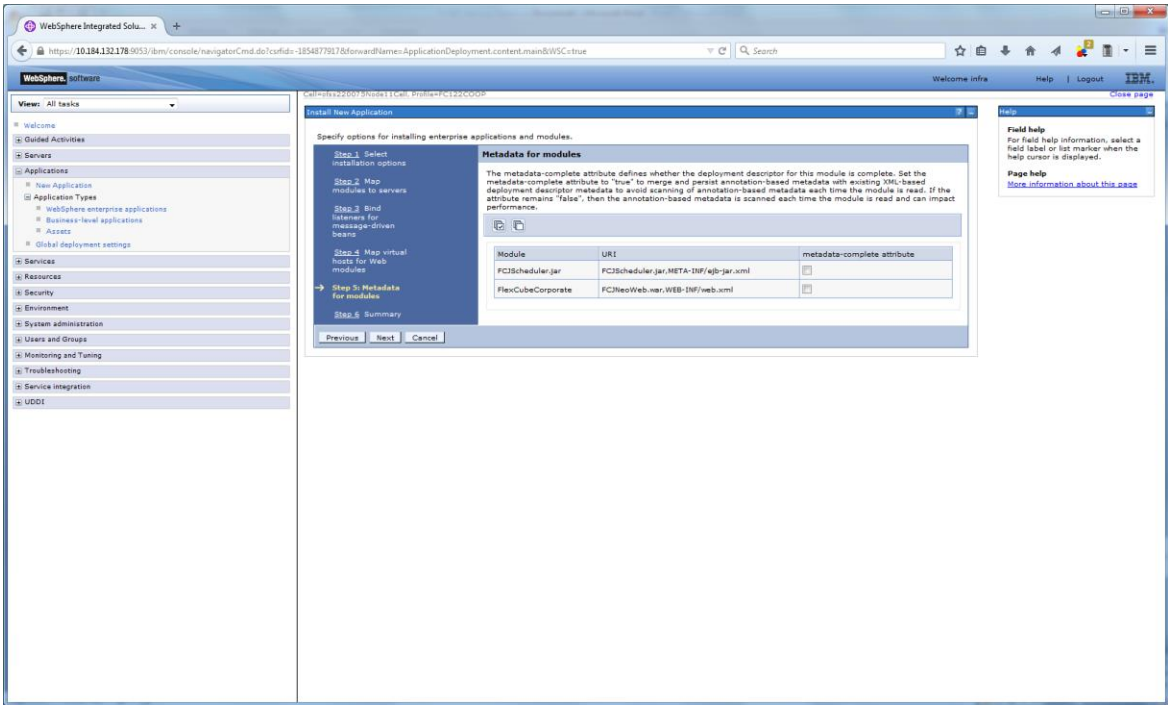
9. Check all the options. Click 'Next'. The following screen is displayed.



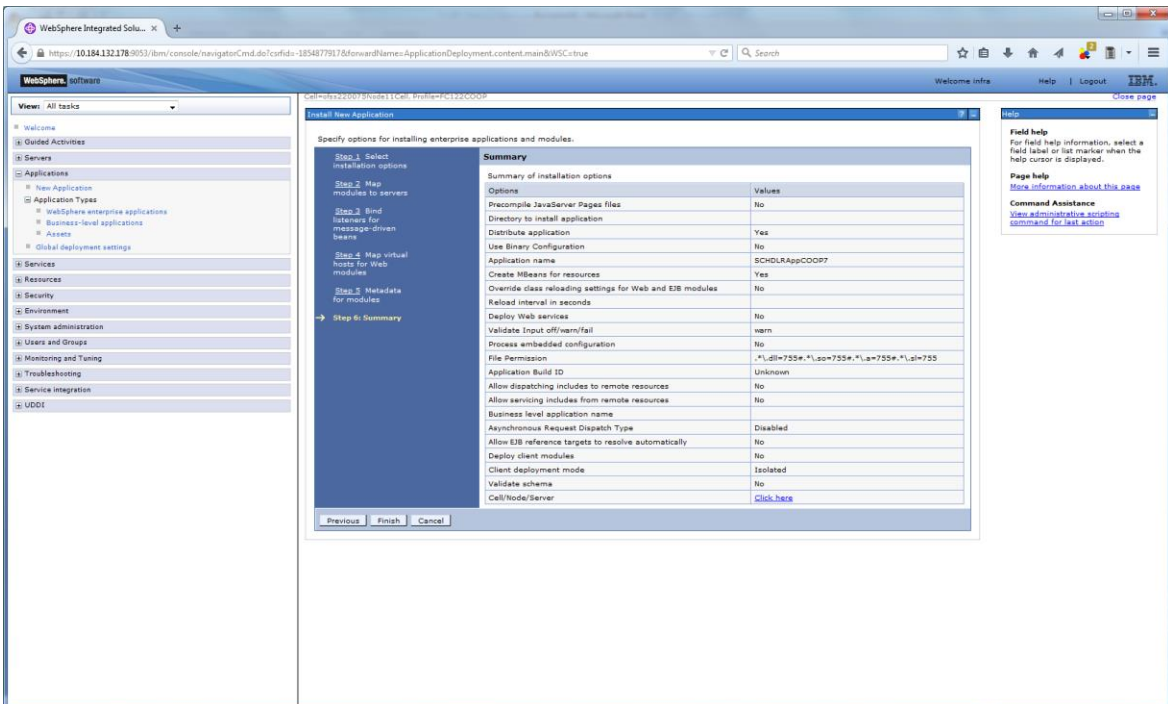
10. Specify the details as shown in the figure.



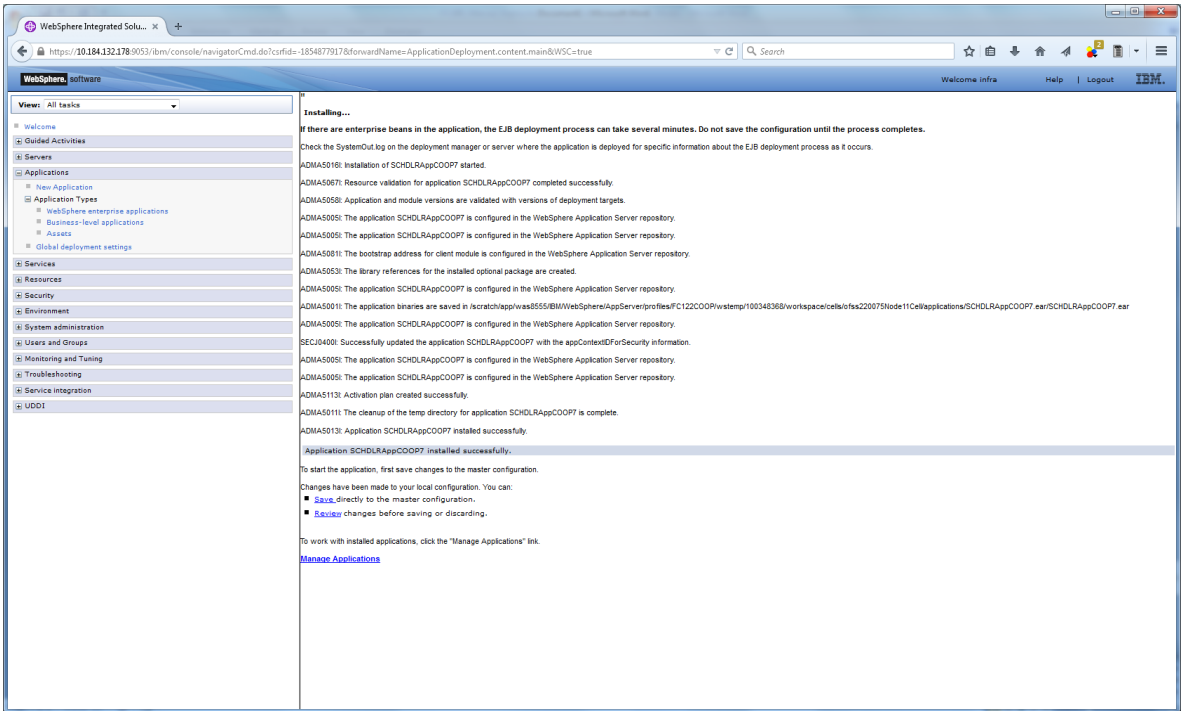
11. Click 'Next'. The following screen is displayed.



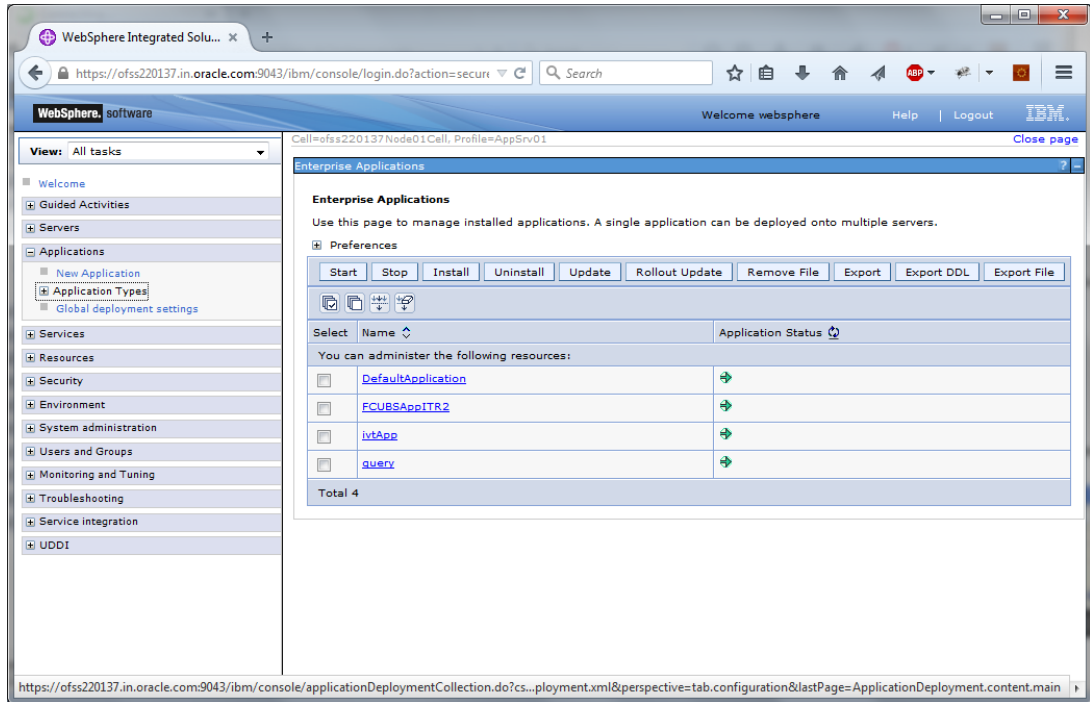
12. Click 'Next'. The following screen is displayed.



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

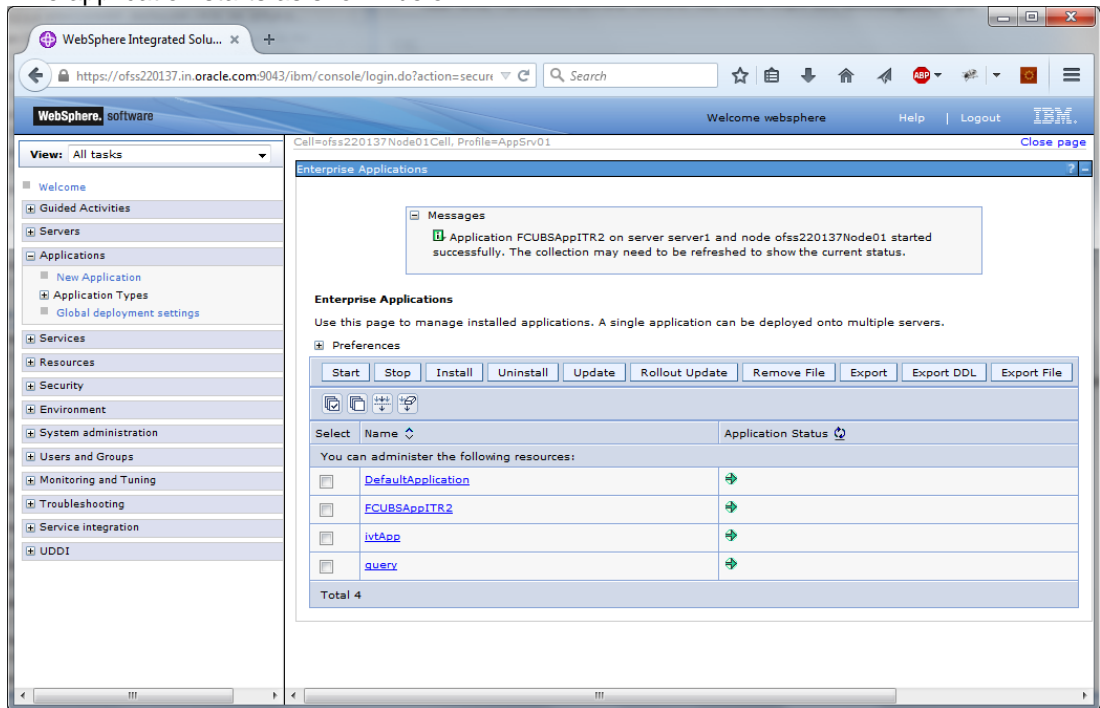


Click 'Save'. The following screen is displayed.



14. Select the application and click 'Start'.

The application starts as shown below:



1.2.5 OBTR GWEJB Application Deployment

To deploy Oracle Banking Treasury Management application on WebSphere application server, follow the steps given below:

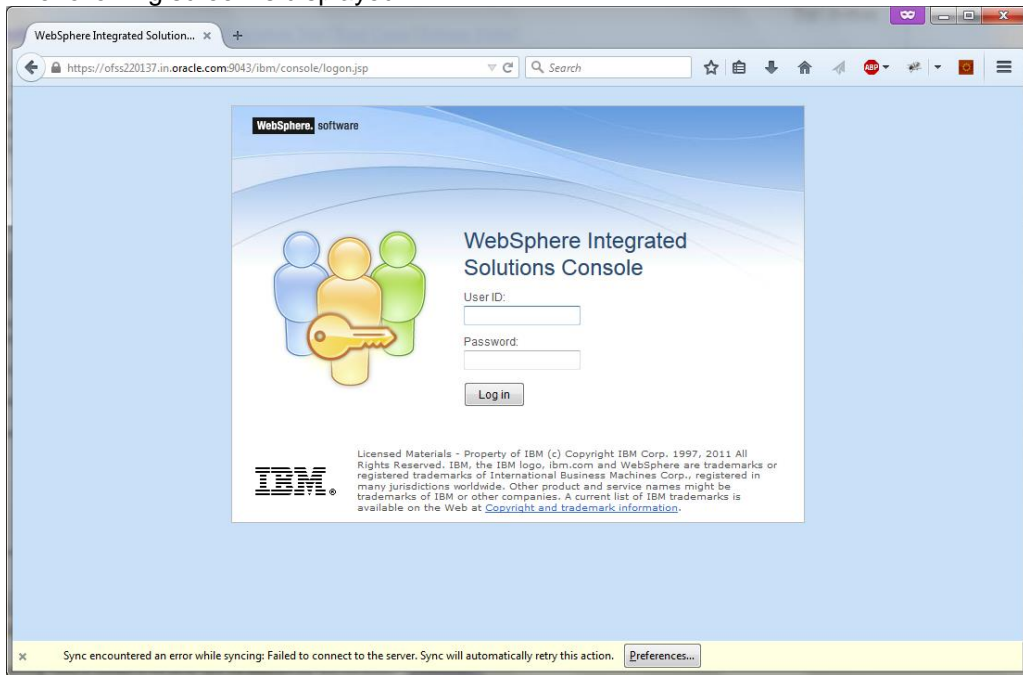
1. Open the Administrative Console of WebSphere server:

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.

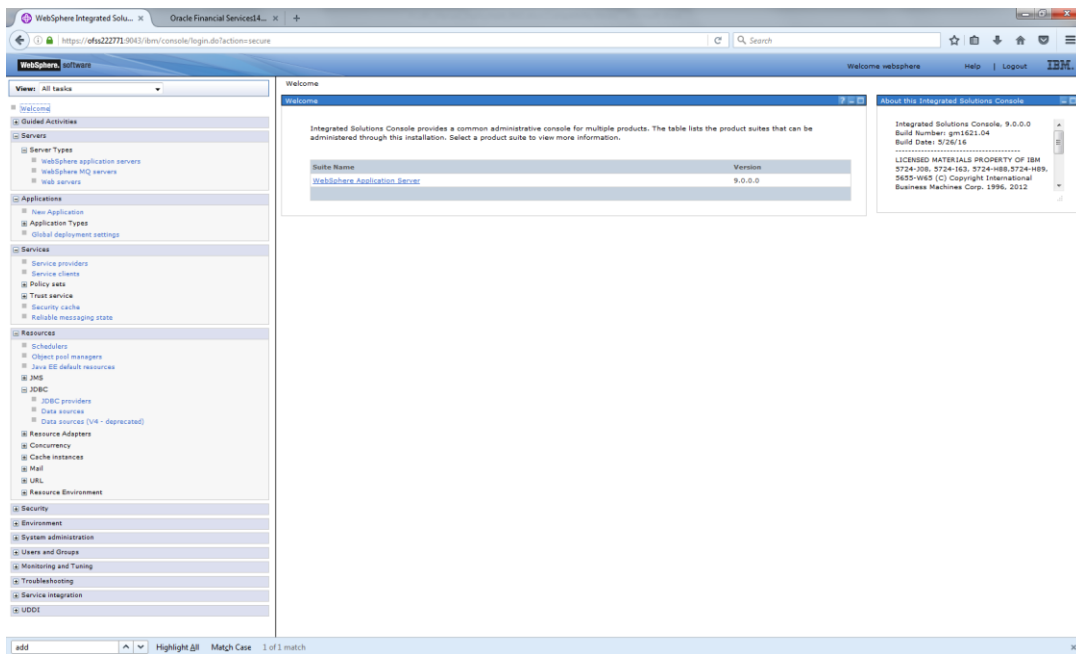
The following screen is displayed:



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

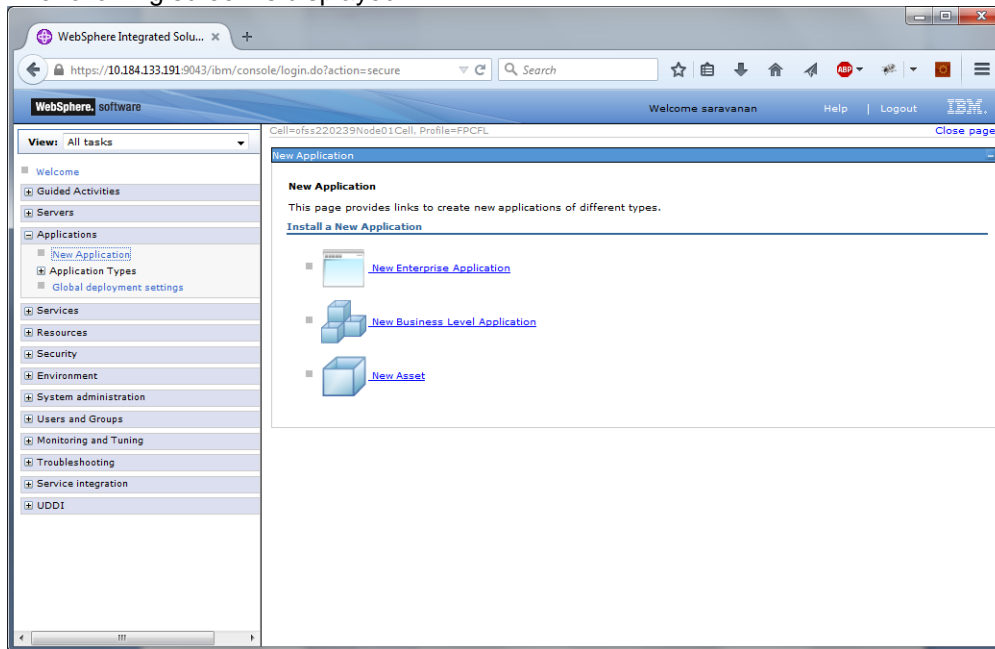
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

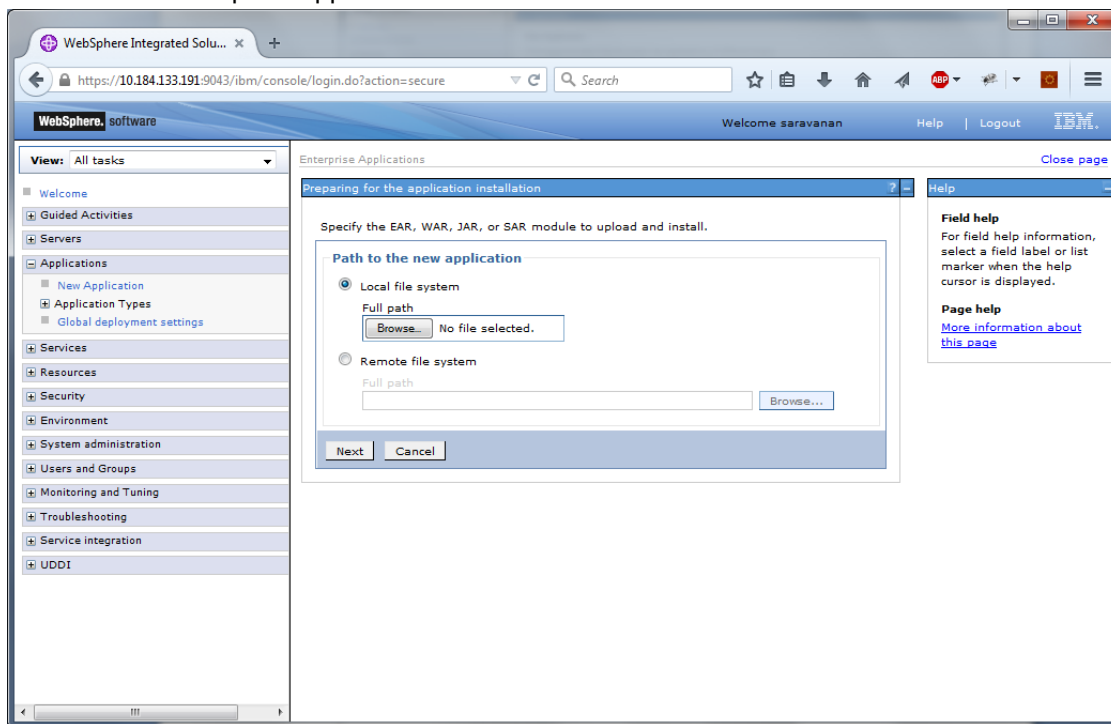


4. Expand Applications from left-side menu and Click 'New Application'.

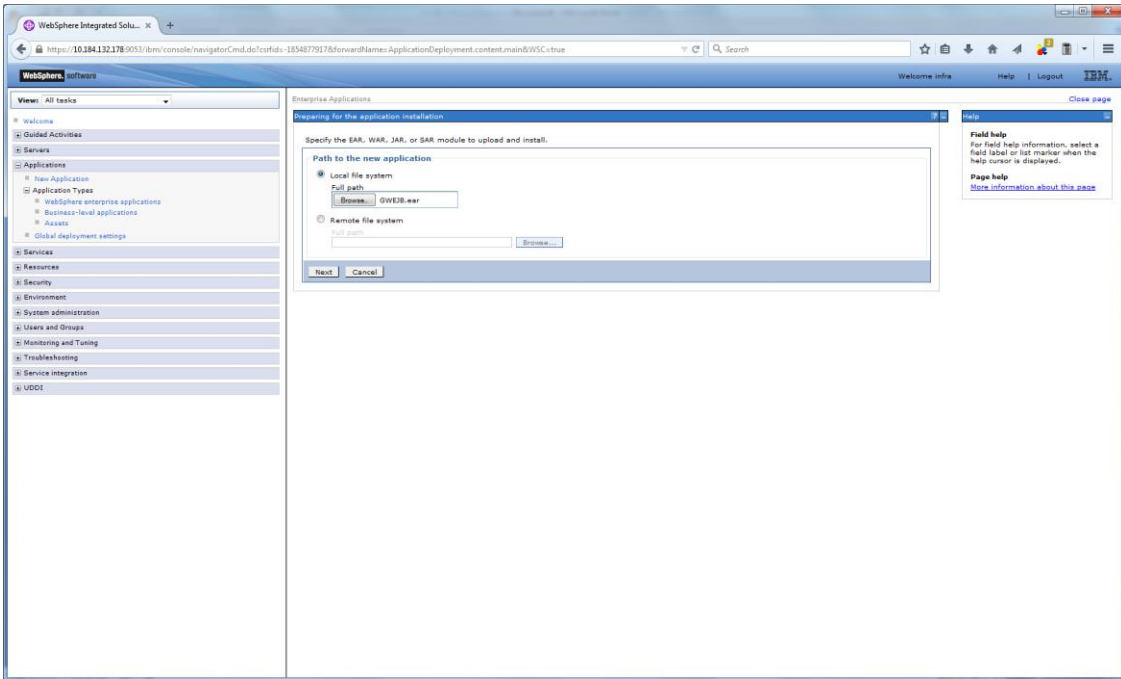
The following screen is displayed.



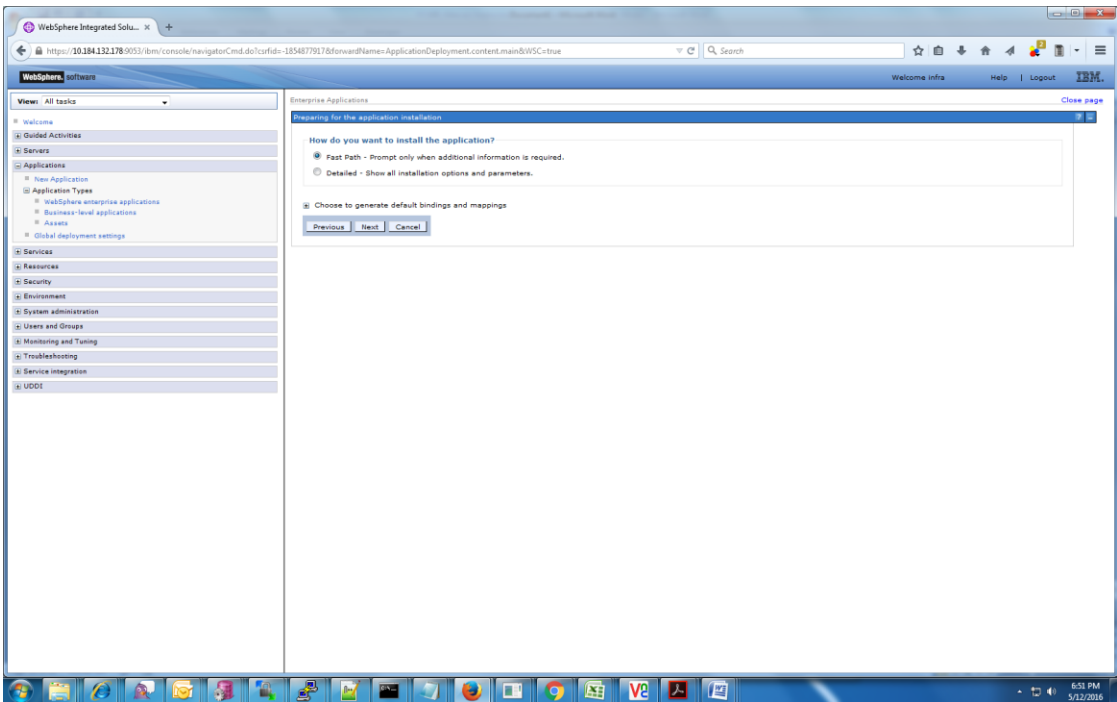
5. Click 'New Enterprise Application'.



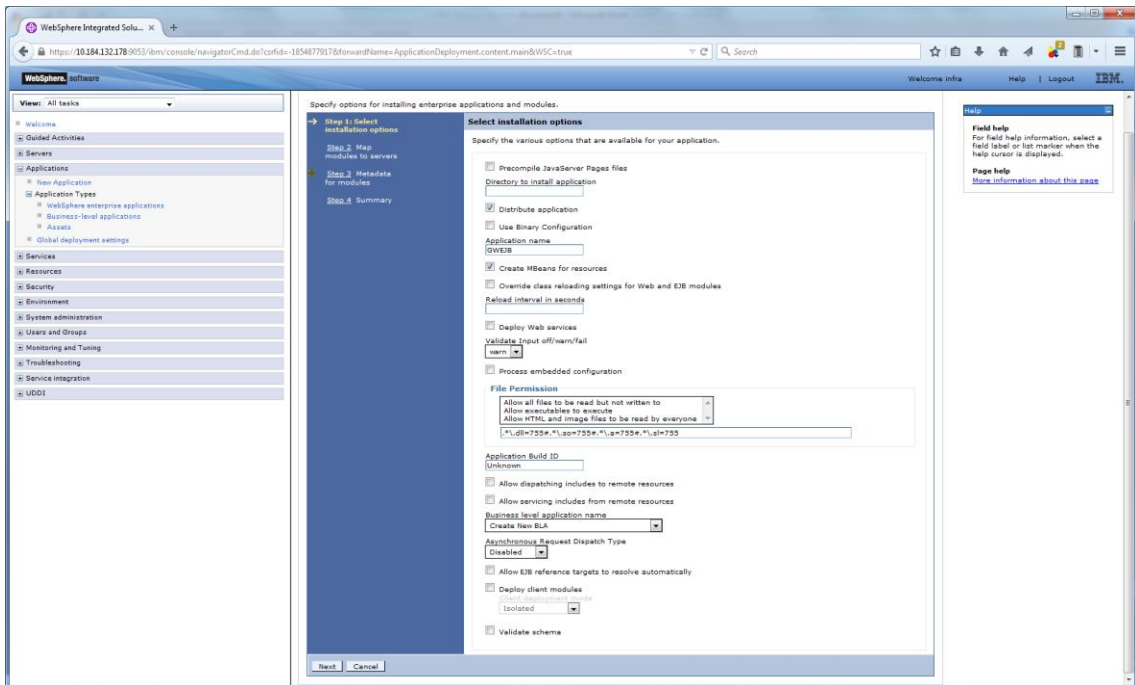
6. Browse the application EAR file and click next button



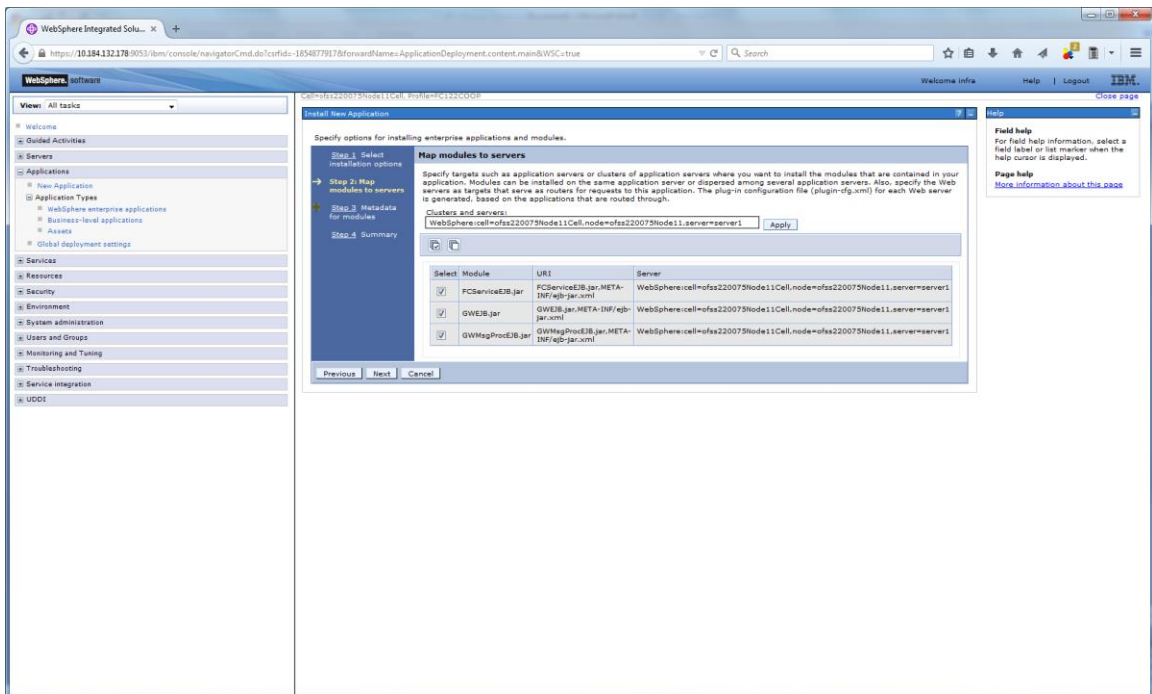
7. Click Next and the following screen is displayed.



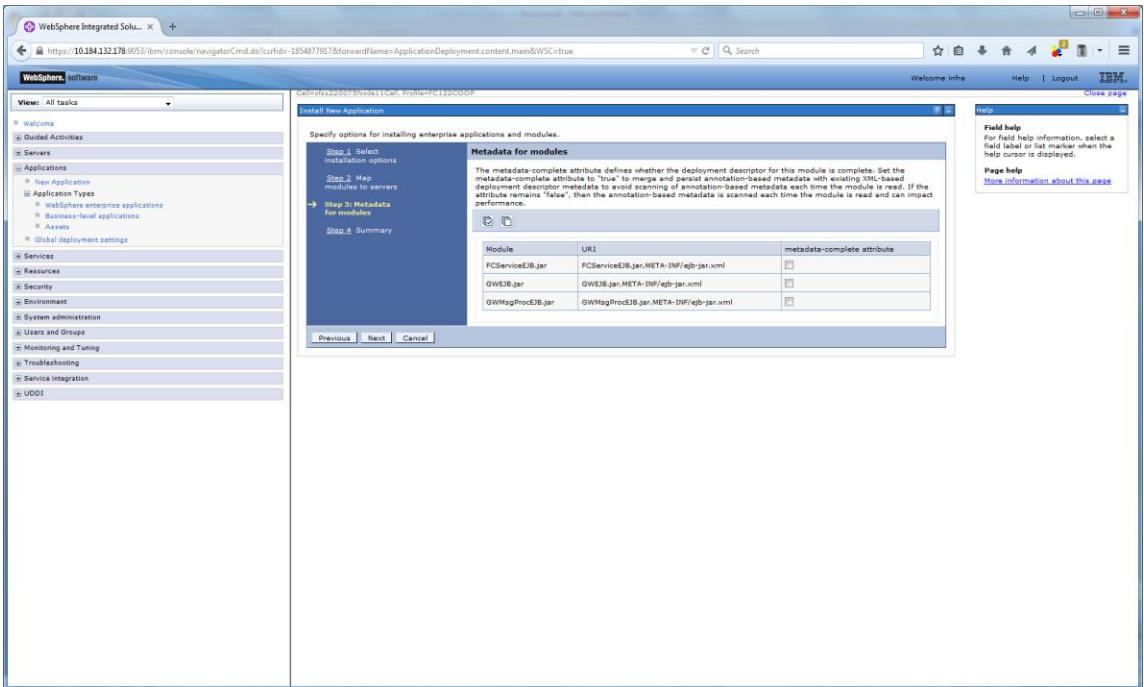
8. Click next and the following screen is displayed.



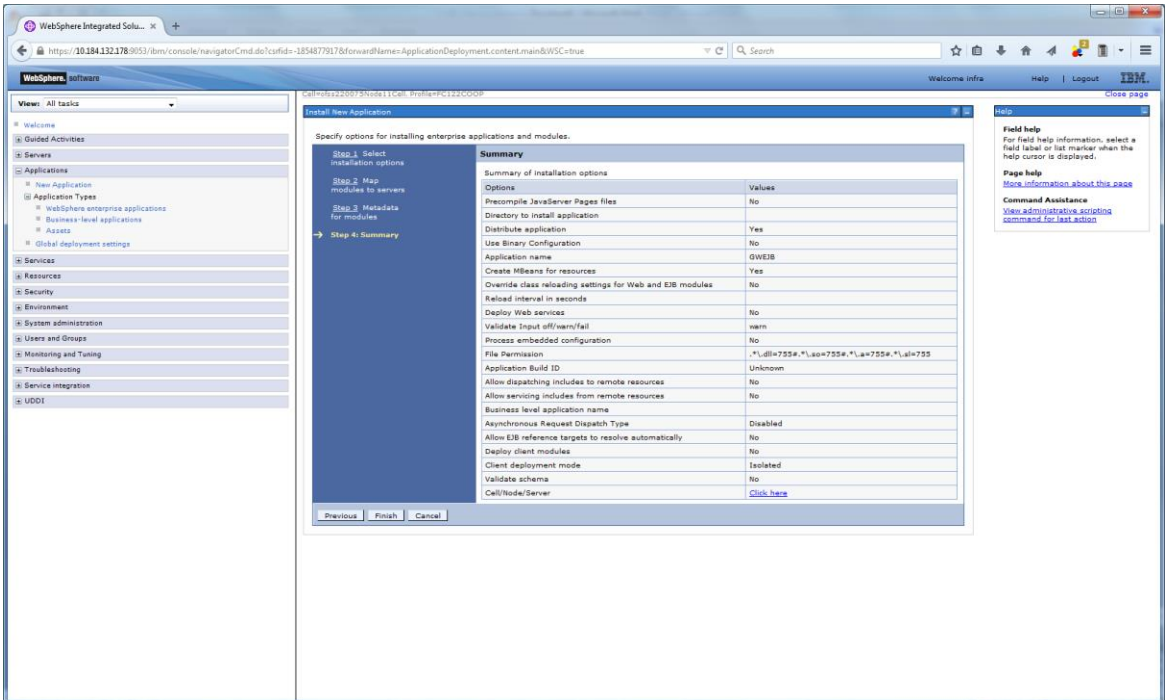
9. Click next and the following screen is displayed.



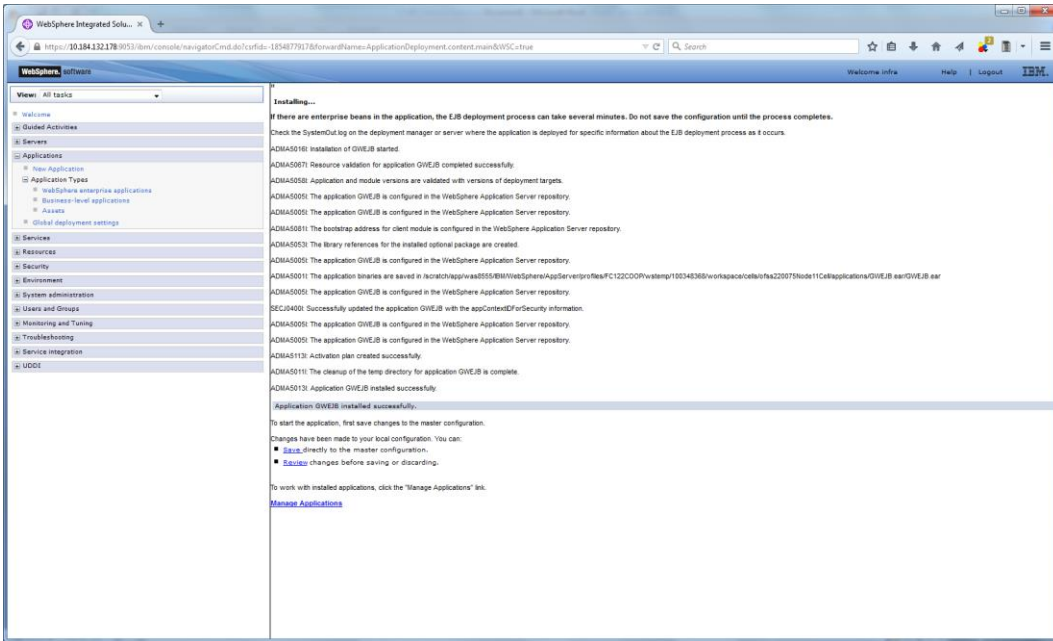
10. click next and the following Screen is displayed.



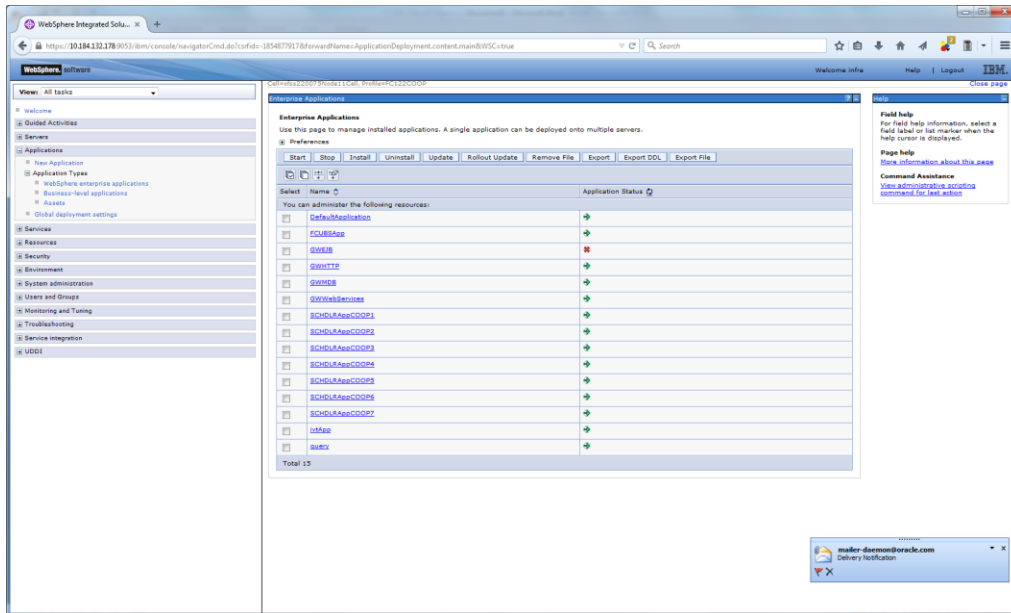
11. Click next and the following screen is displayed.



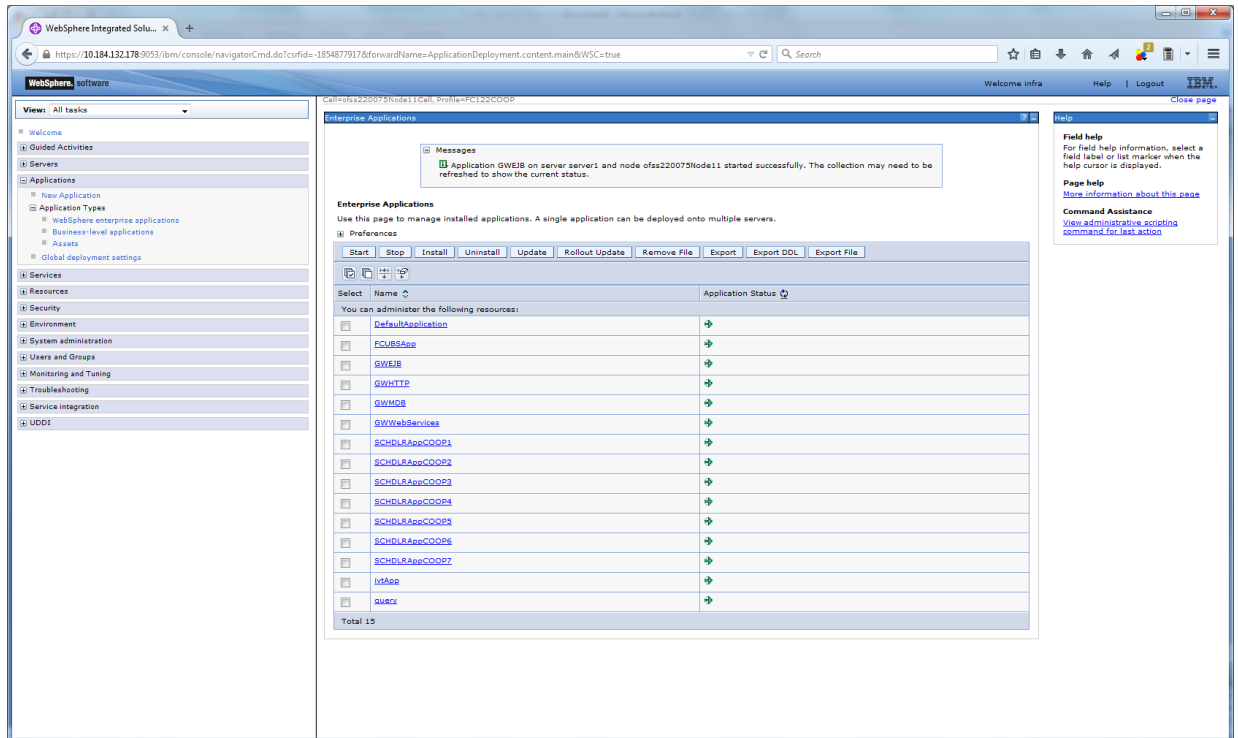
12. Click on finish and the following screen is displayed.



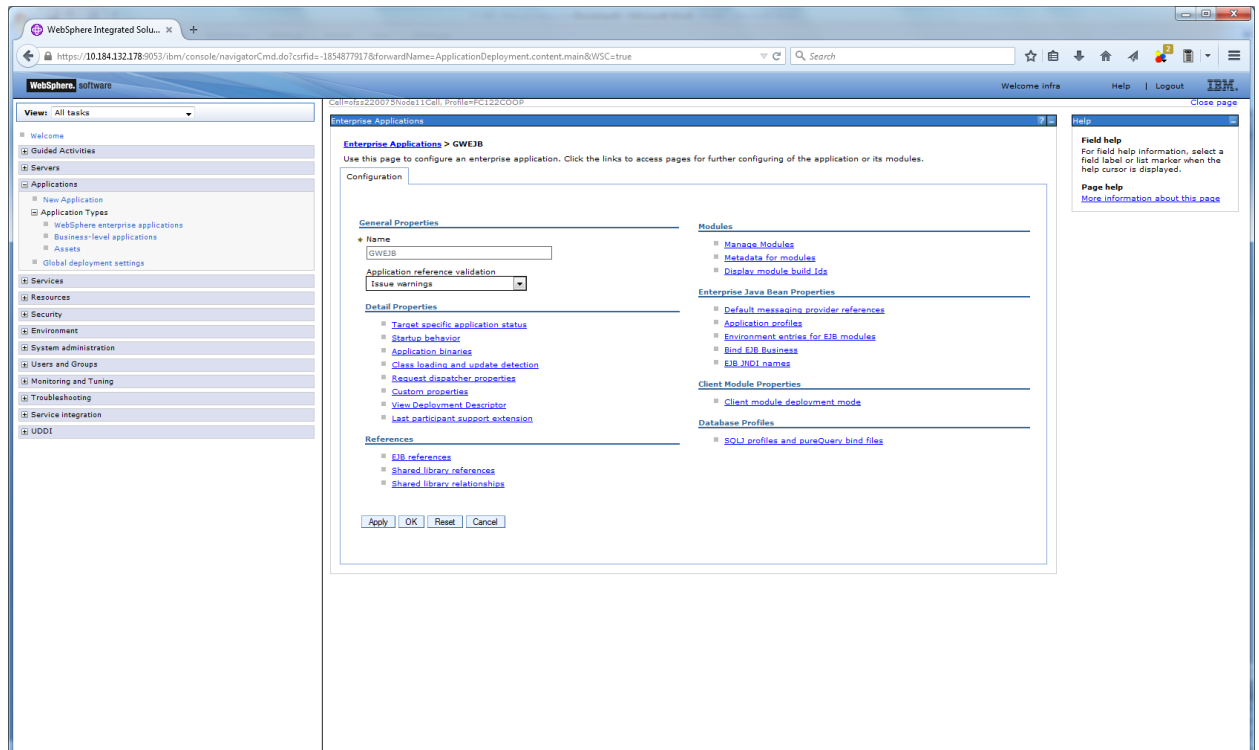
13. Click on save and the following screen is displayed.



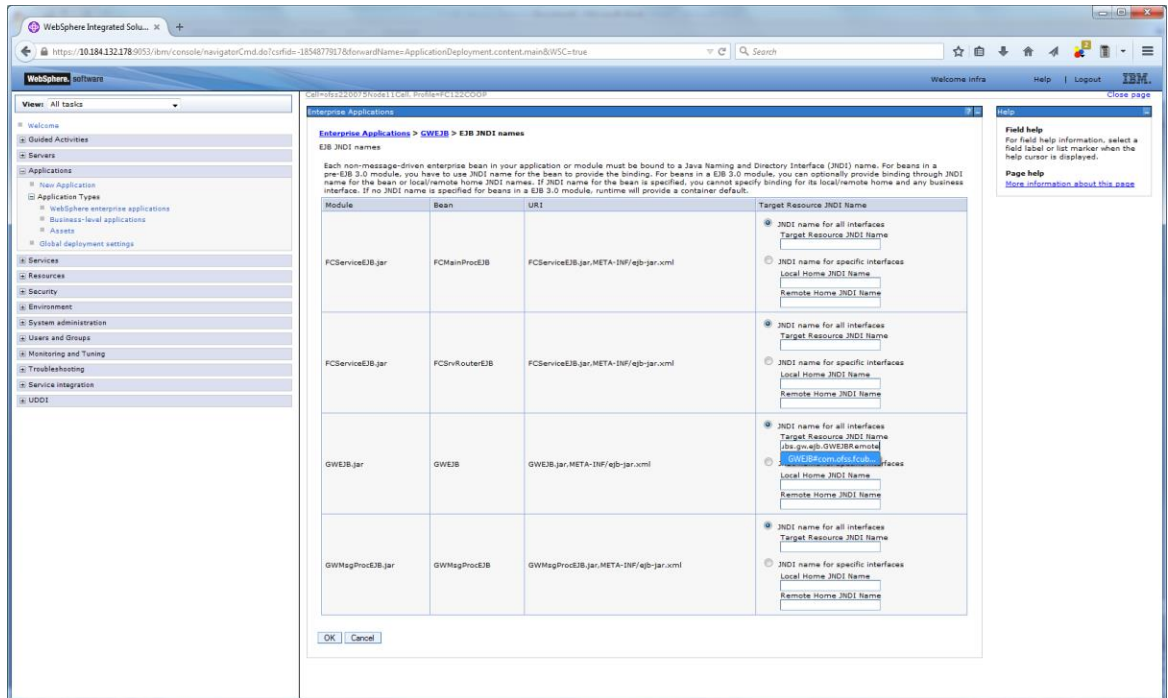
15. Select the deployed application and click on start



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

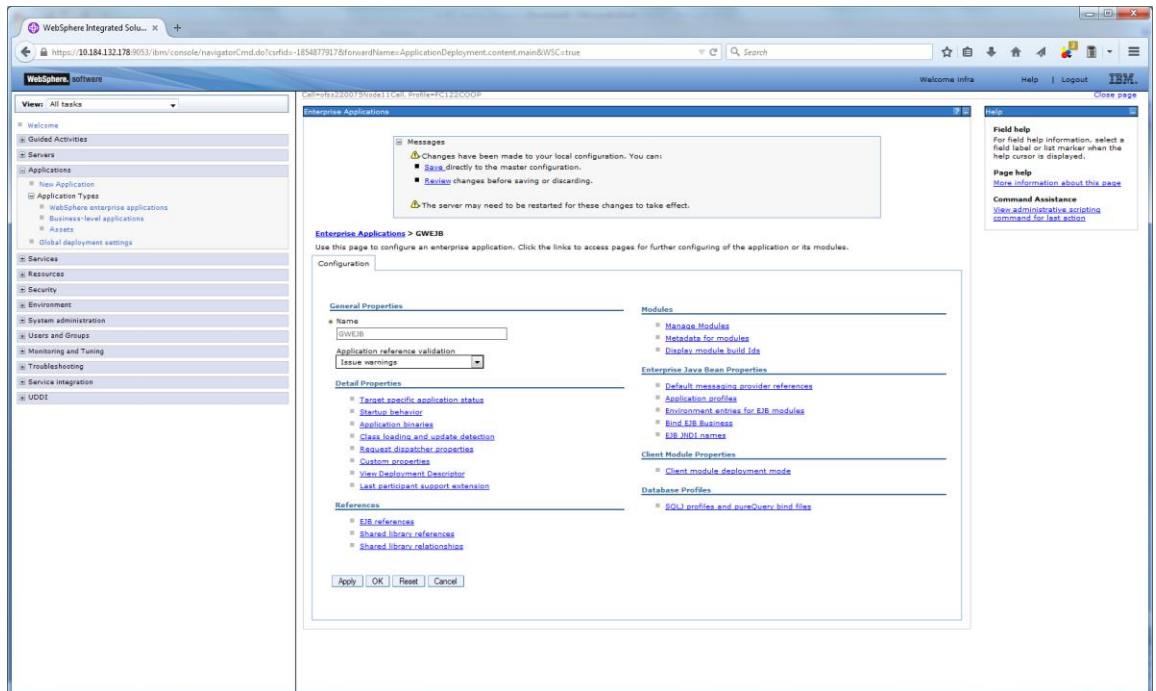


17. Click on EJB JNDI names and the following screen is displayed.



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 OBTR GWMDB Application Deployment

To deploy Oracle Banking Treasury Management application on WebSphere application server, follow the steps given below:

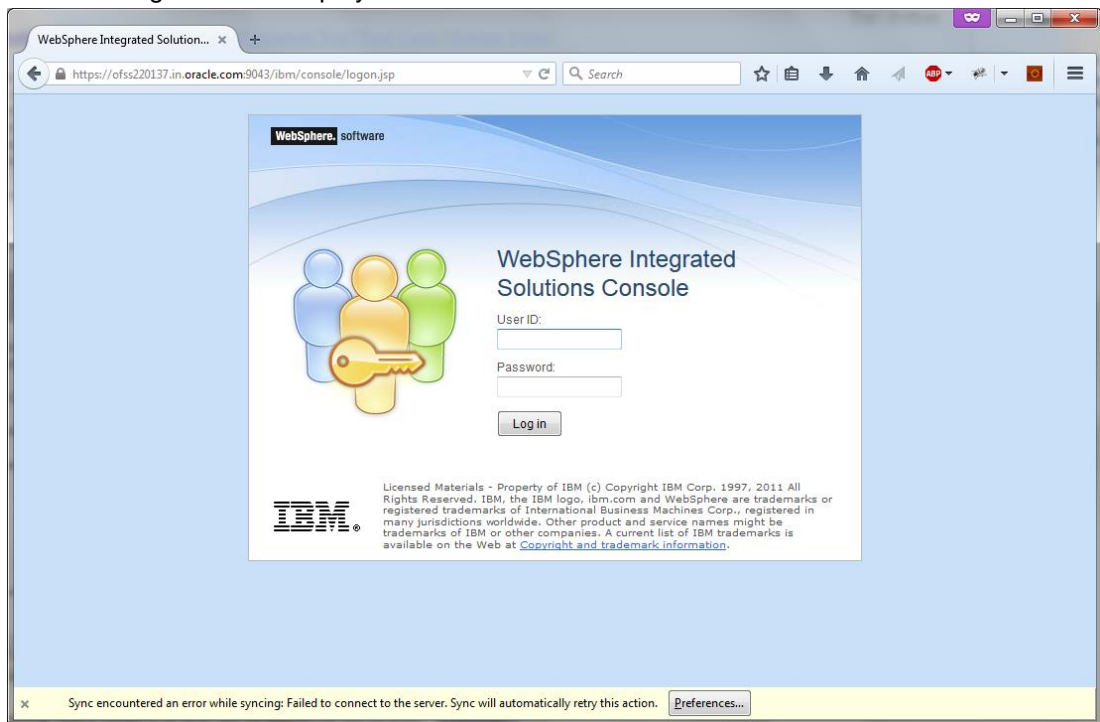
1. Open the Administrative Console of WebSphere server:

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

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

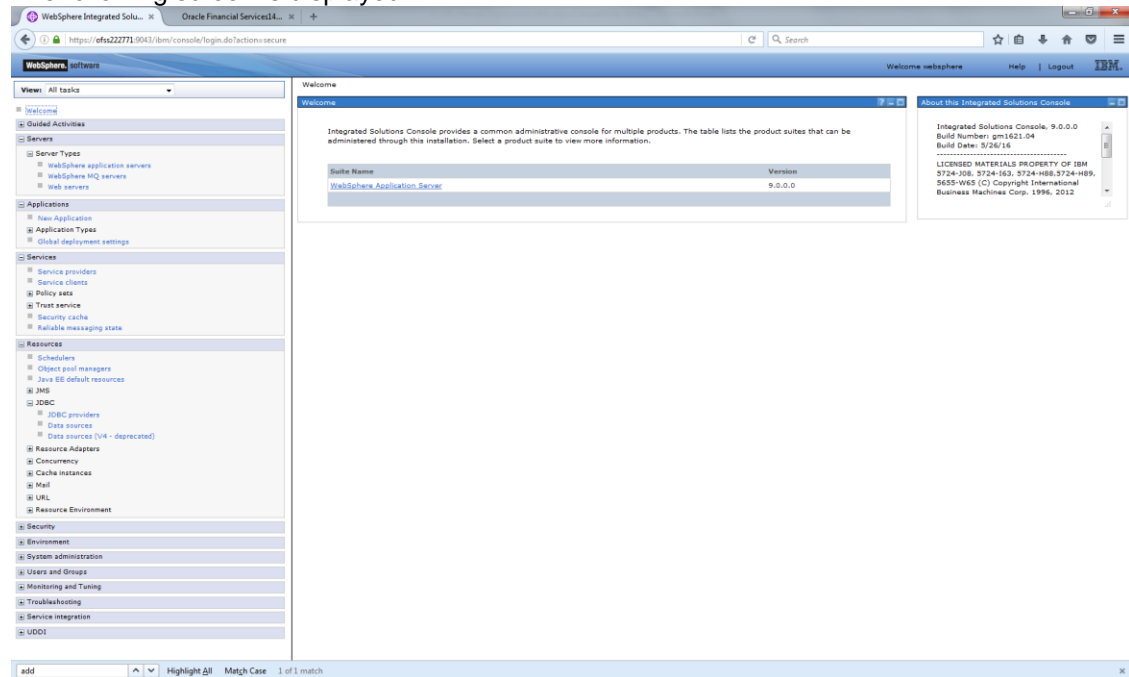
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



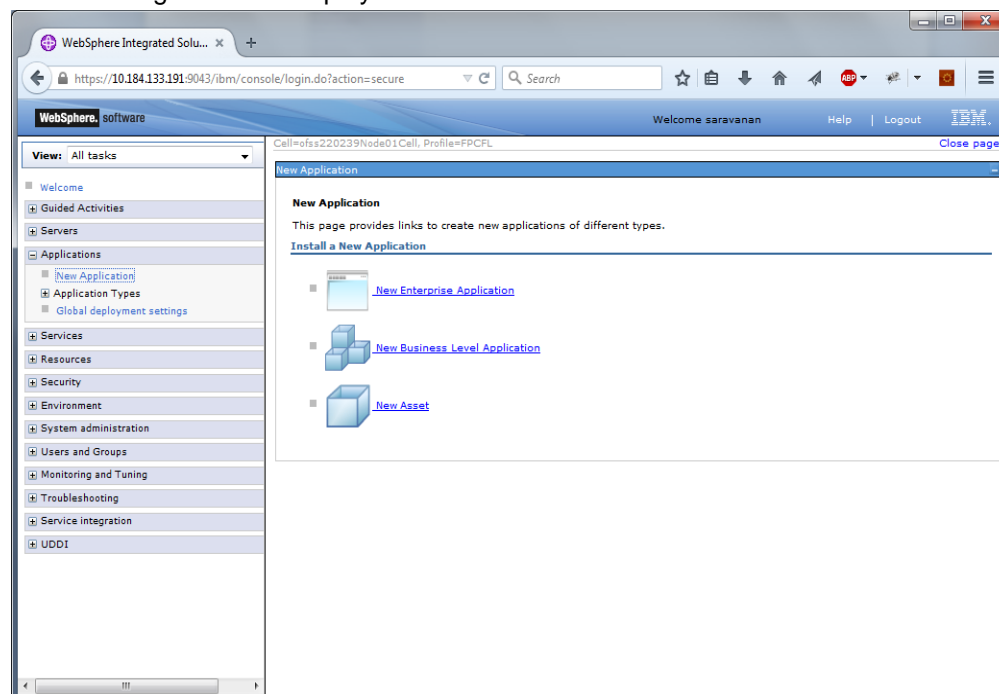
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

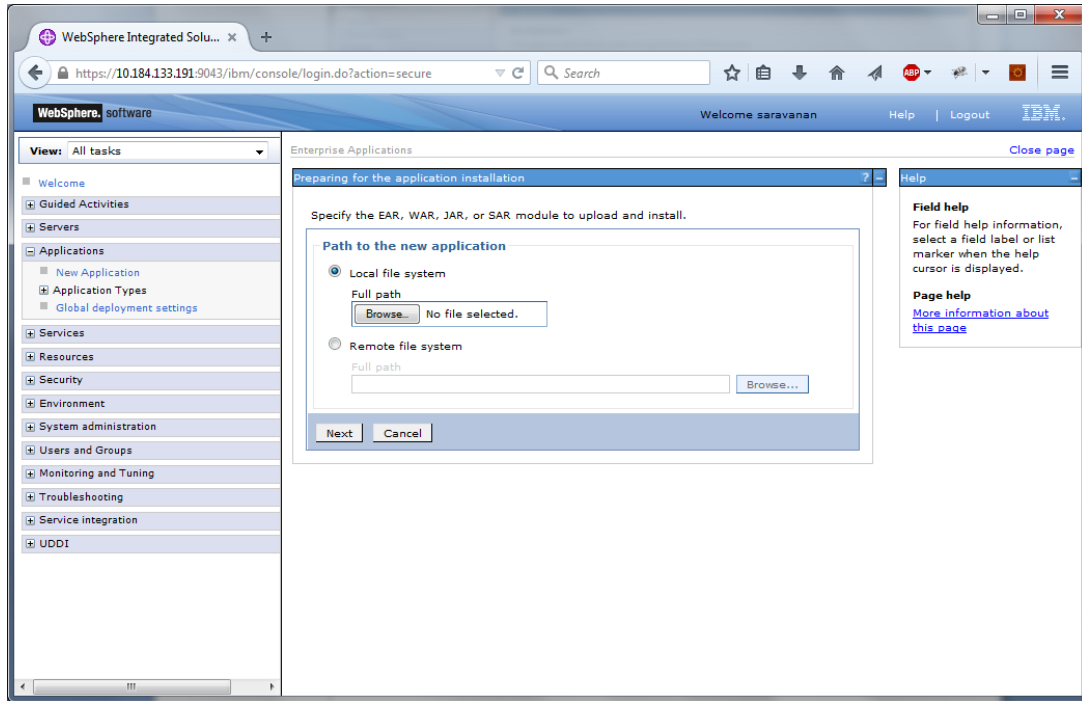


4. Expand Applications from left-side menu and Click 'New Application'.

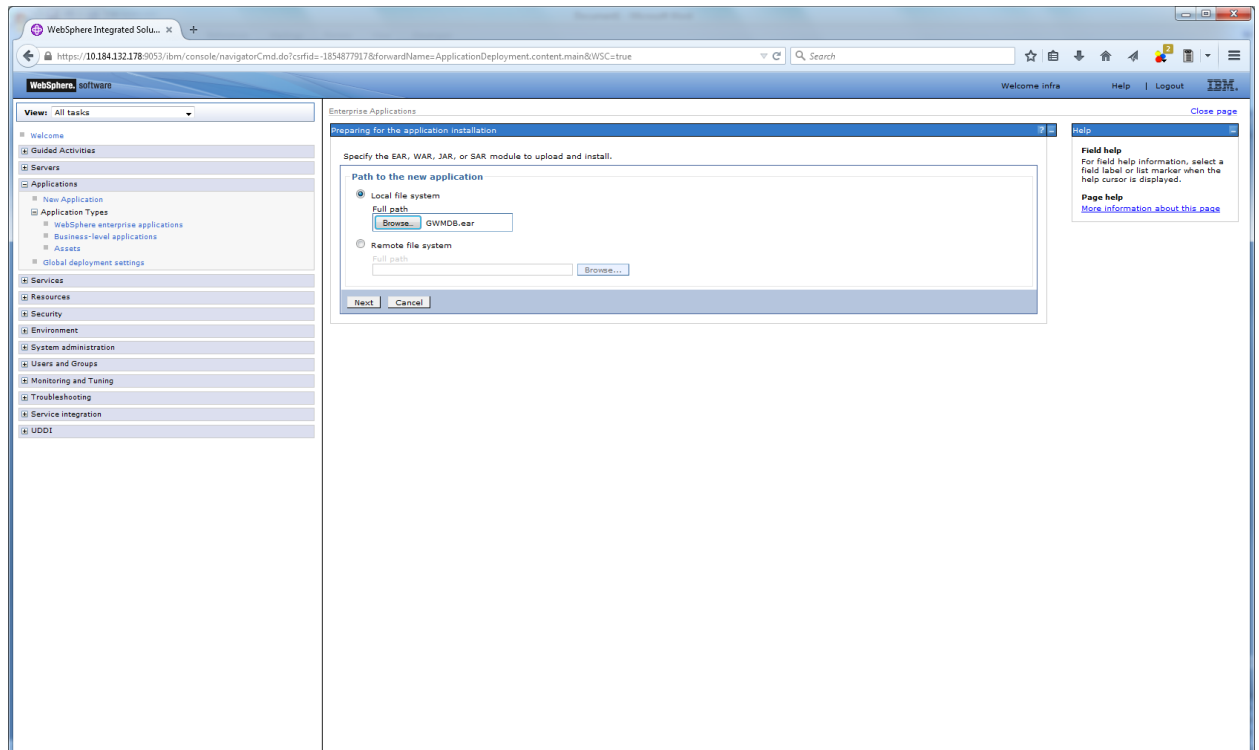
The following screen is displayed.



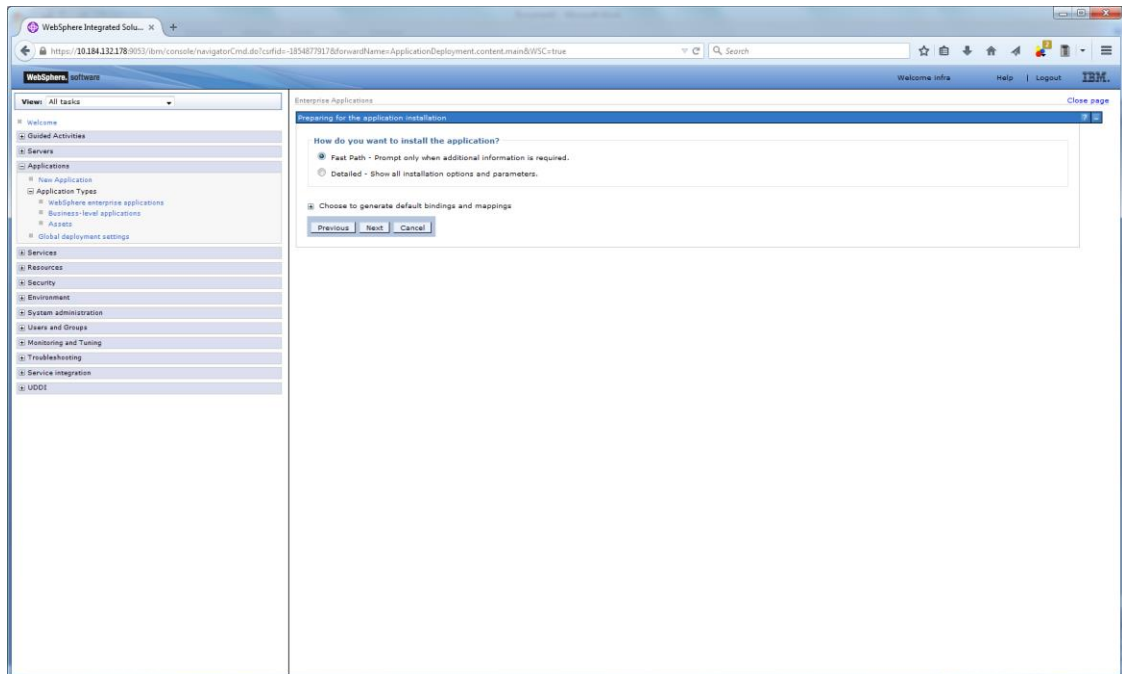
5. Click 'New Enterprise Application'.



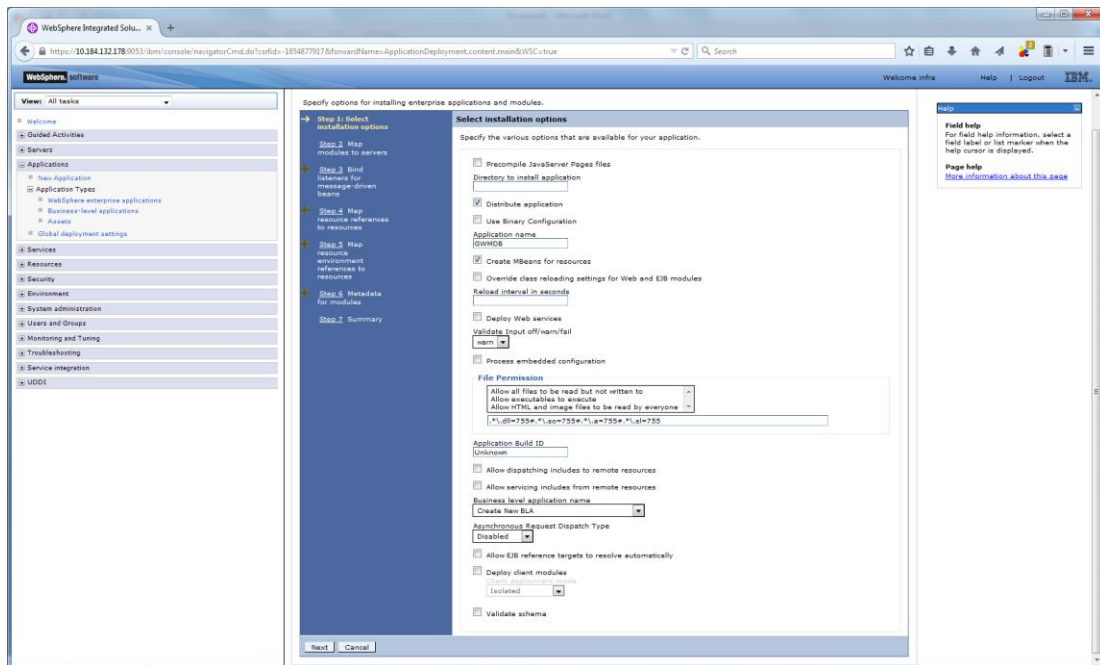
6. Click on Browse and select the MDB EAR and the following screen is displayed



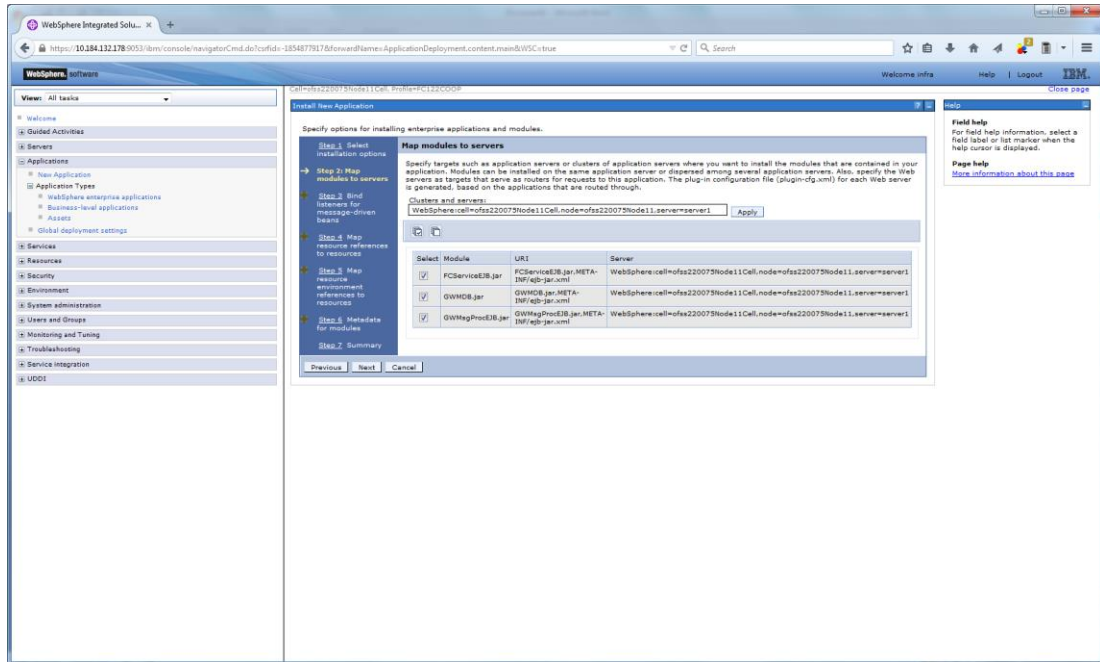
7. Click on next and the following screen is displayed.



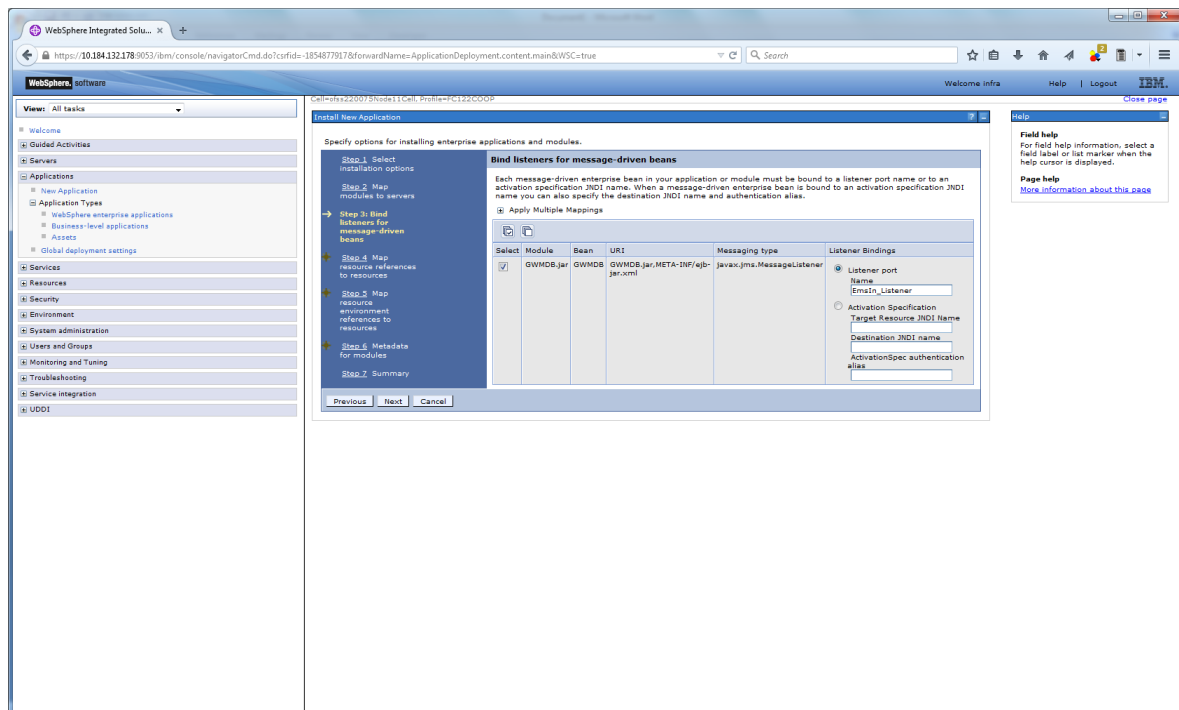
8. Click on next and the following screen is displayed.



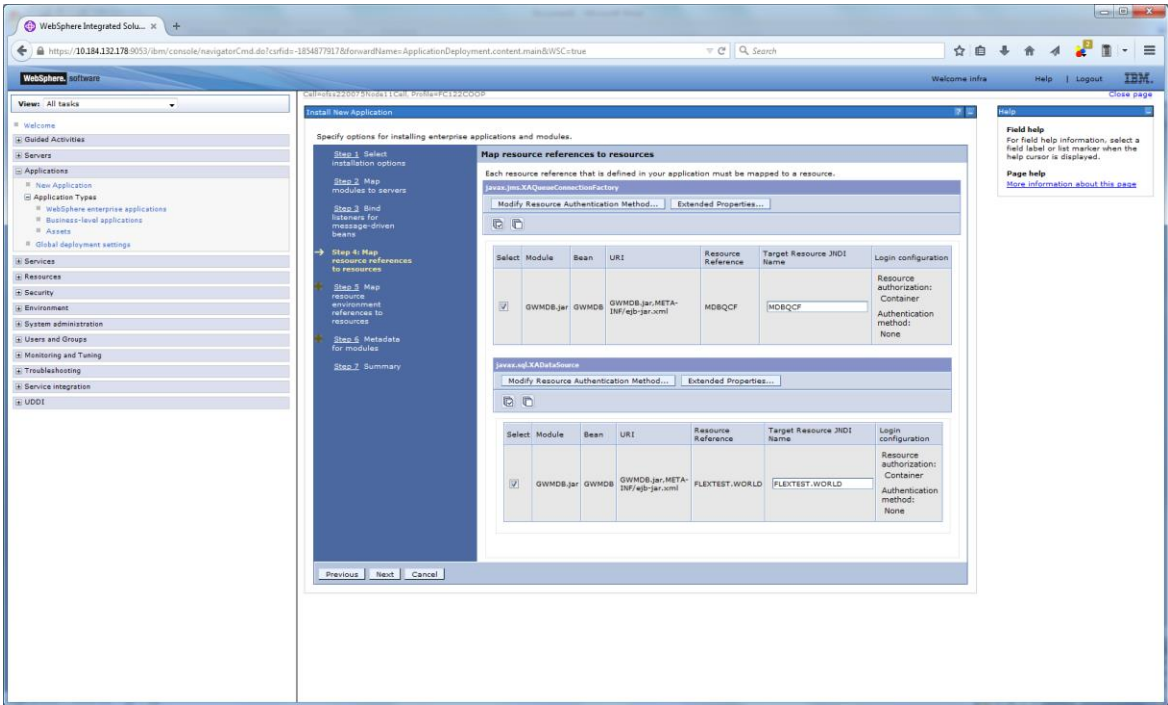
9. Click on next and the following screen is displayed.



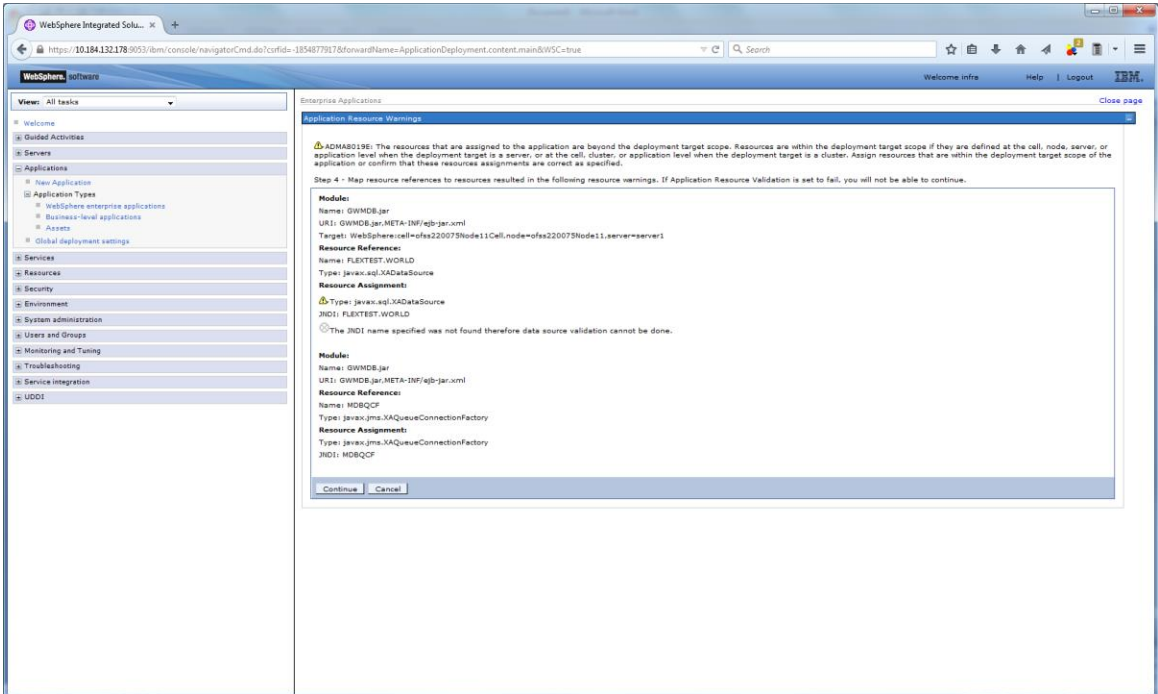
10. Click on next and the following screen is displayed.



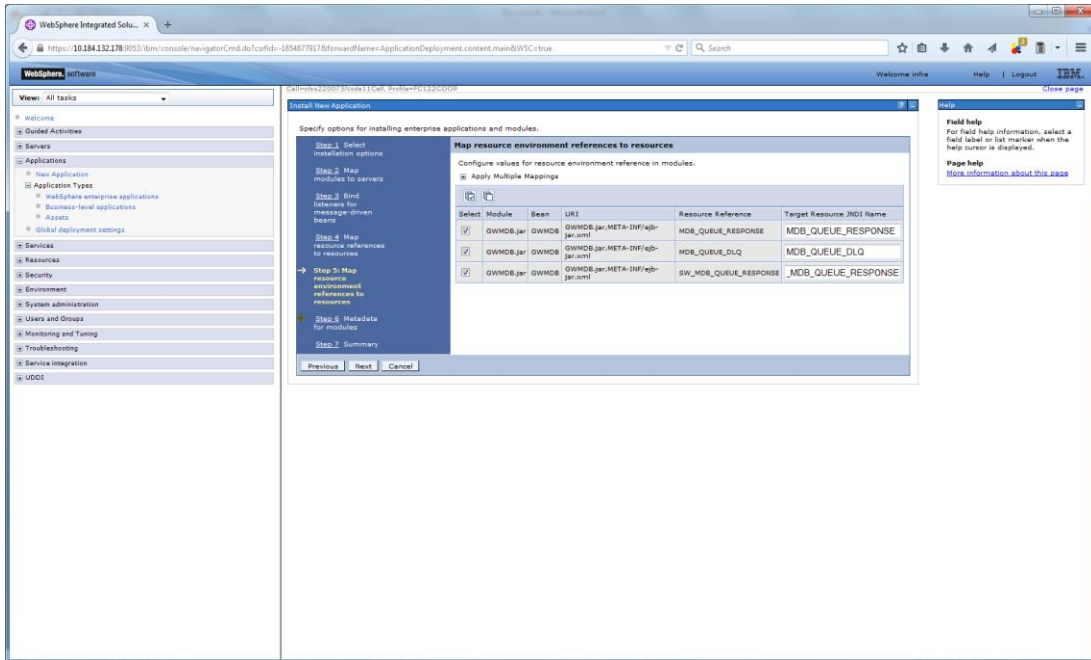
11. Input the listner name click next. Following screen is displayed.



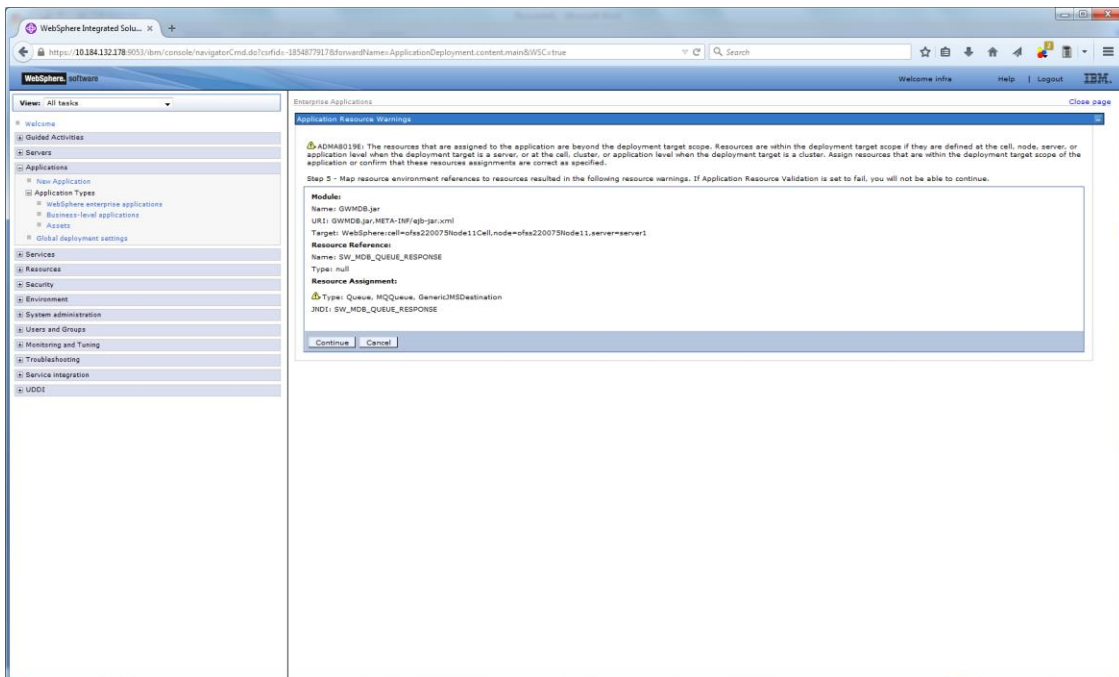
12. Enter the details as shown and click next.



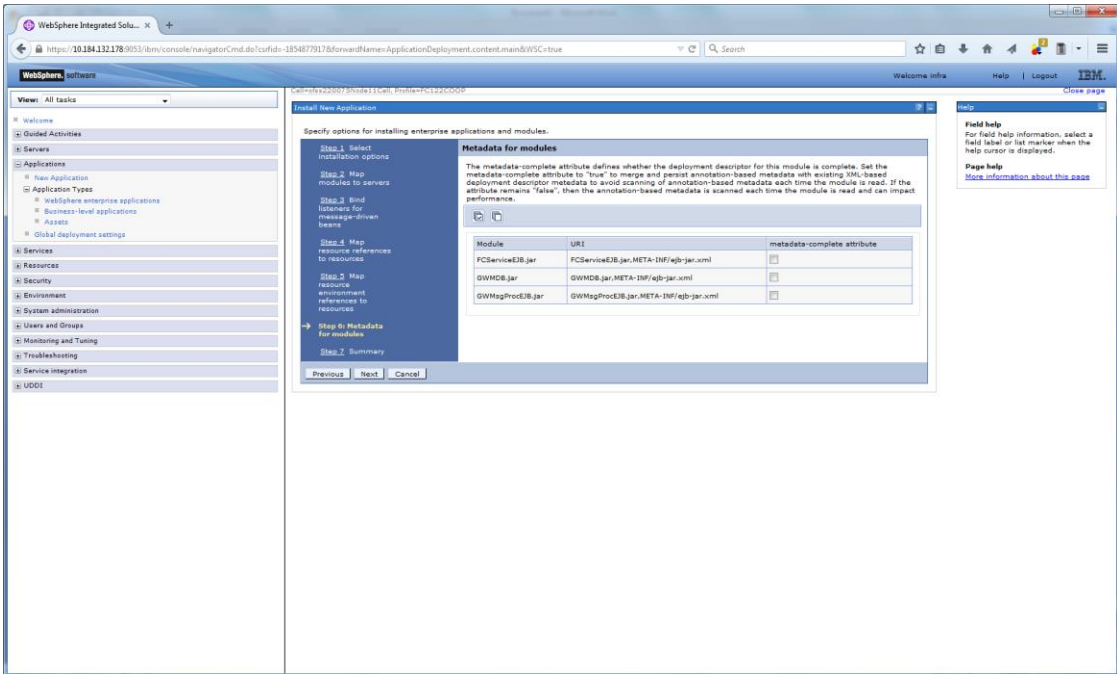
13. Click on continue and following screen is displayed.



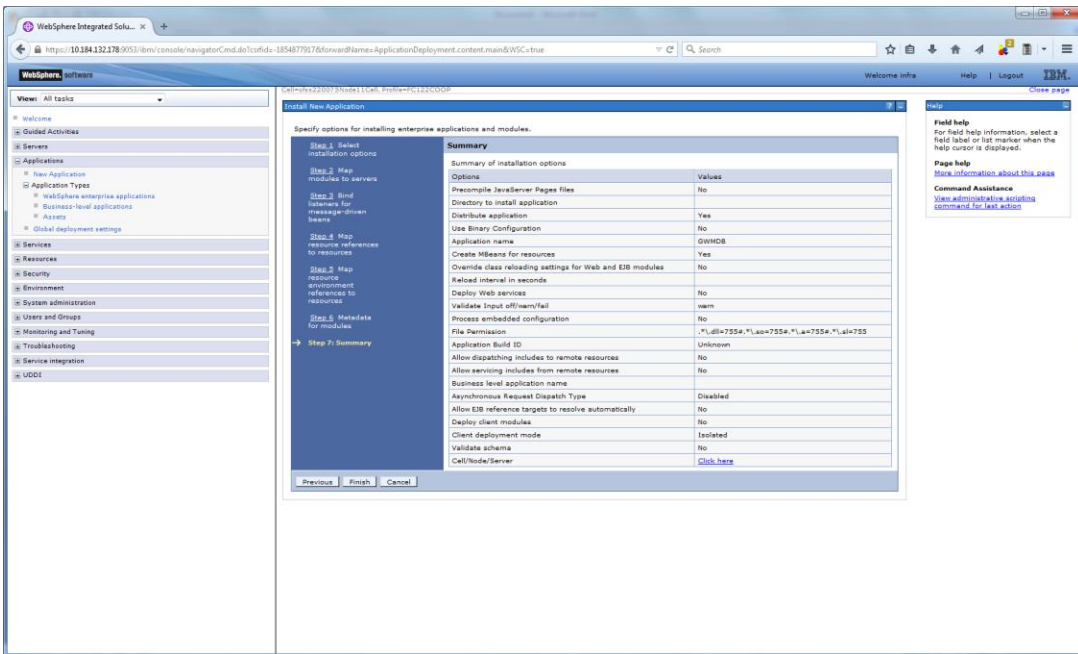
14. Give necessary details as shown and click next.



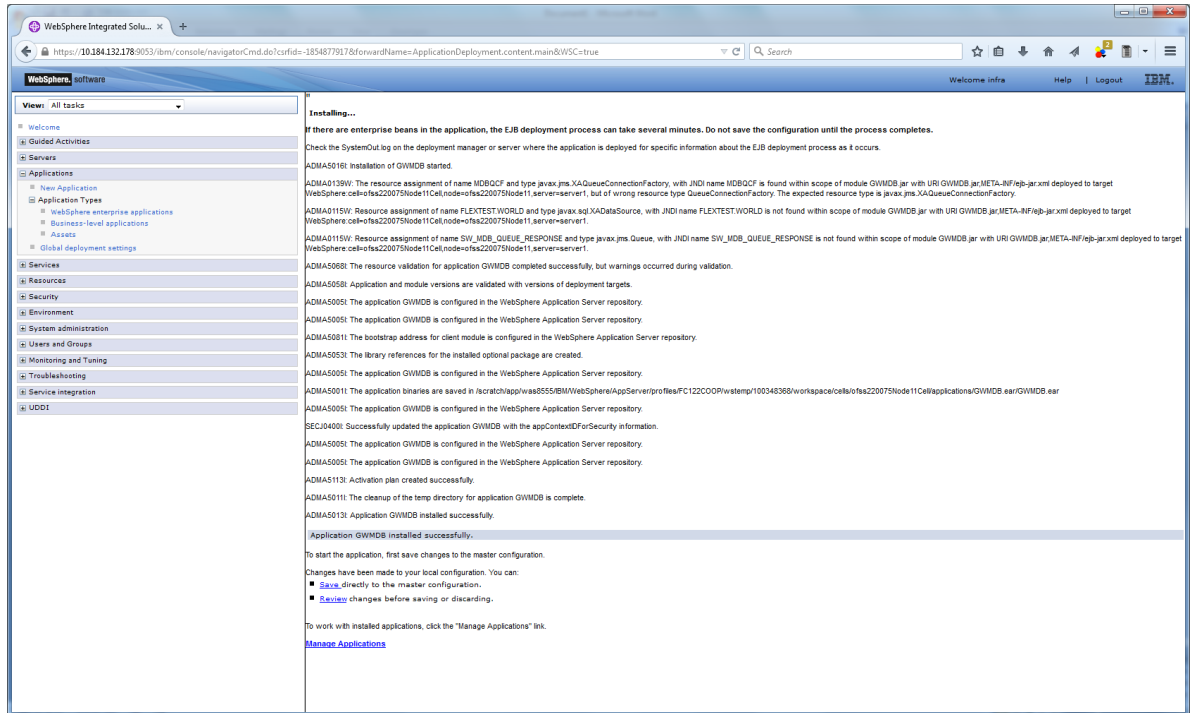
15. Click on continue and below screen is displayed.



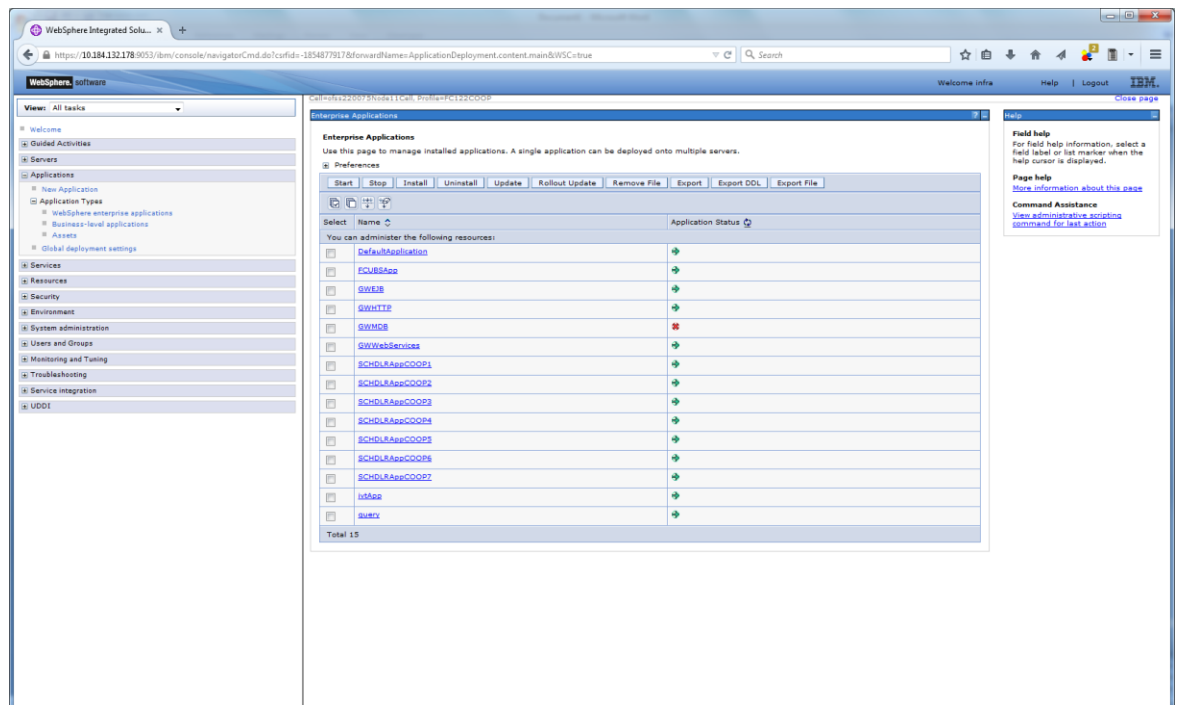
16. Click on next and following screen is displayed.



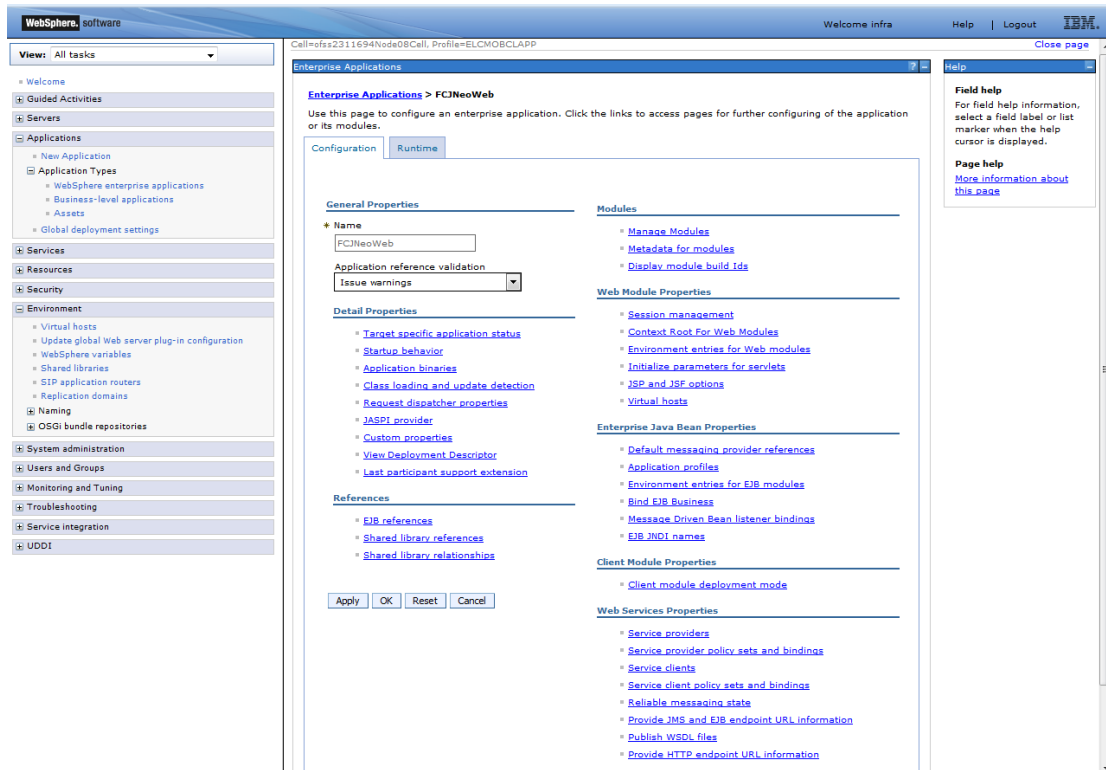
17. Click on Finish and following screen is displayed.



18. Click on save and following screen is displayed.

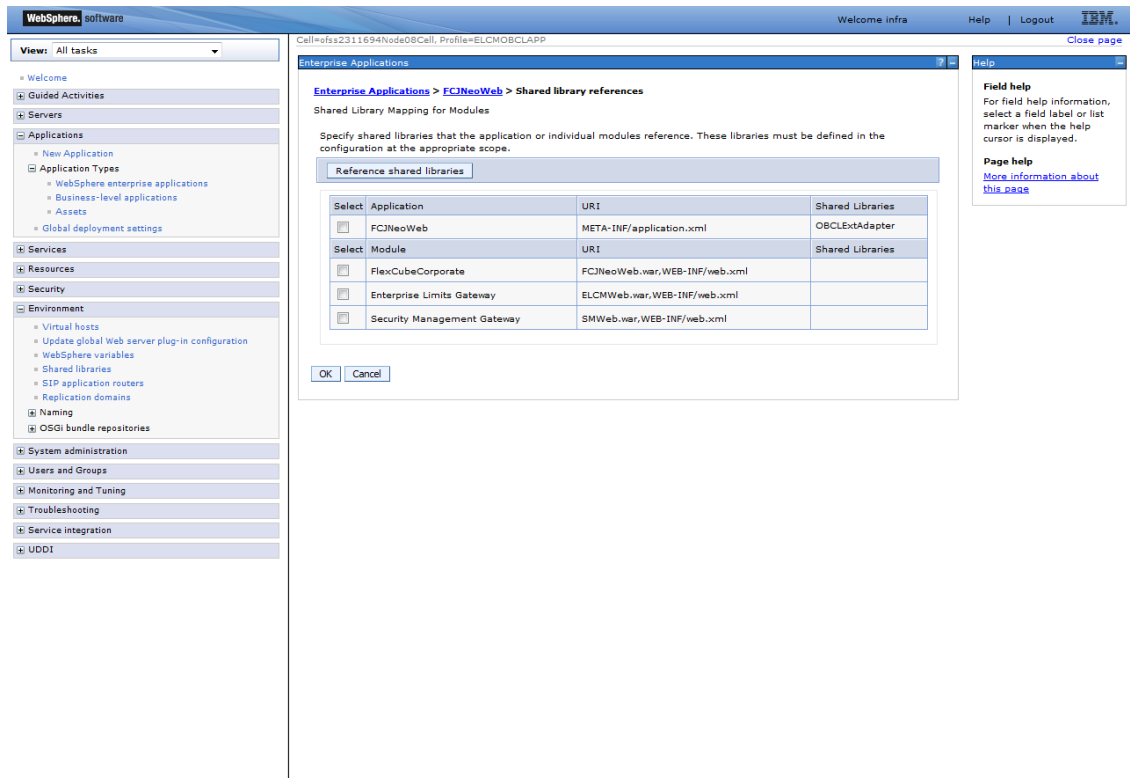


19. Click on installed FCUBS Application and the following screen is displayed.



20. Click 'Shared library references' under 'References'.

The following screen is displayed.



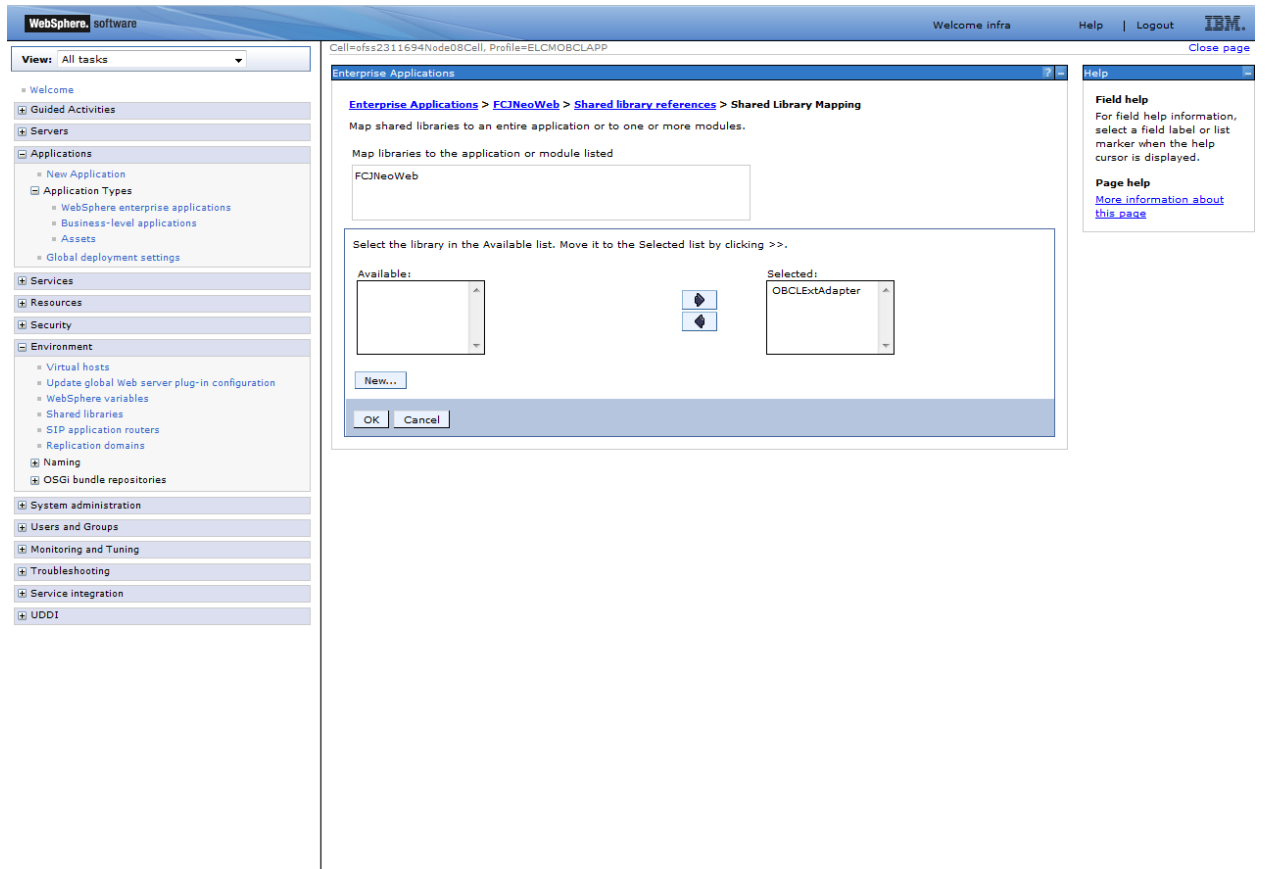
21. Select your Application and click 'Reference Shared Library'.

The following screen is displayed.

The screenshot displays the IBM WebSphere Administration Console interface. The top navigation bar includes the text 'WebSphere software', 'Welcome infra', 'Help | Logout', and the IBM logo. The left-hand navigation pane is expanded to show the 'Applications' section, with 'Application Types' selected. The main content area is titled 'Enterprise Applications' and shows the breadcrumb path: 'Enterprise Applications > FCJNeoWeb > Shared library references > Shared Library Mapping'. Below this, there is a heading 'Shared Library Mapping' and instructions: 'Map shared libraries to an entire application or to one or more modules.' A text box contains 'FCJNeoWeb'. Below this, a section titled 'Map libraries to the application or module listed' contains a dialog box. The dialog box has the instruction: 'Select the library in the Available list. Move it to the Selected list by clicking >>.' It features two list boxes: 'Available:' containing 'OBCLExtAdapter' and 'Selected:'. Between the lists are two arrow buttons. At the bottom of the dialog are 'New...', 'OK', and 'Cancel' buttons. On the right side of the console, a 'Help' panel is visible with 'Field help' and 'Page help' sections. A small notification window is visible in the bottom right corner of the screenshot, showing a user profile and a request for approval.

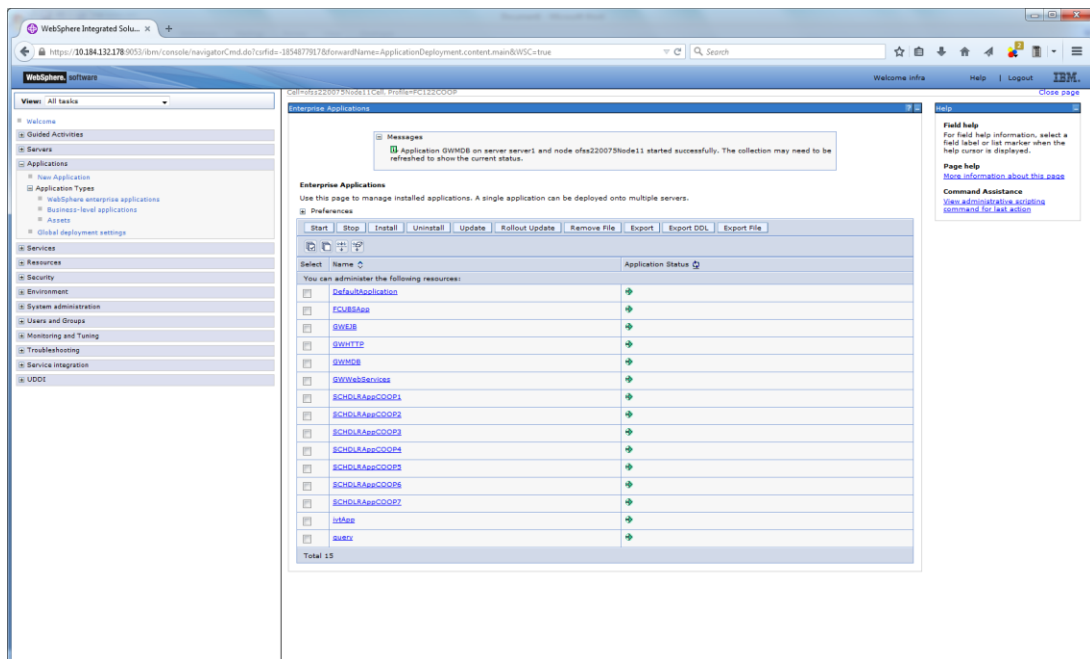
22. Click on right arrow button to add Available shared library reference.

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 OBTR HTTP Application Deployment

To deploy Oracle Banking Treasury Management application on WebSphere application server, follow the steps given below:

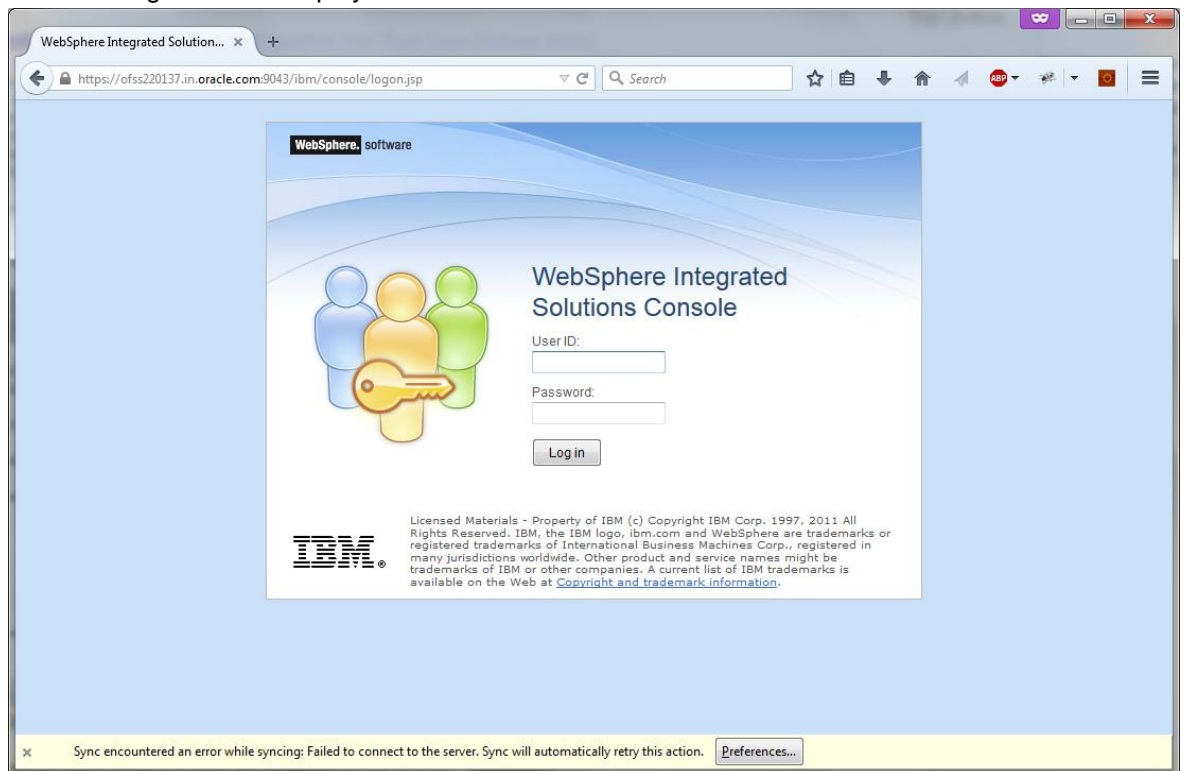
1. Open the Administrative Console of WebSphere server:

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

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

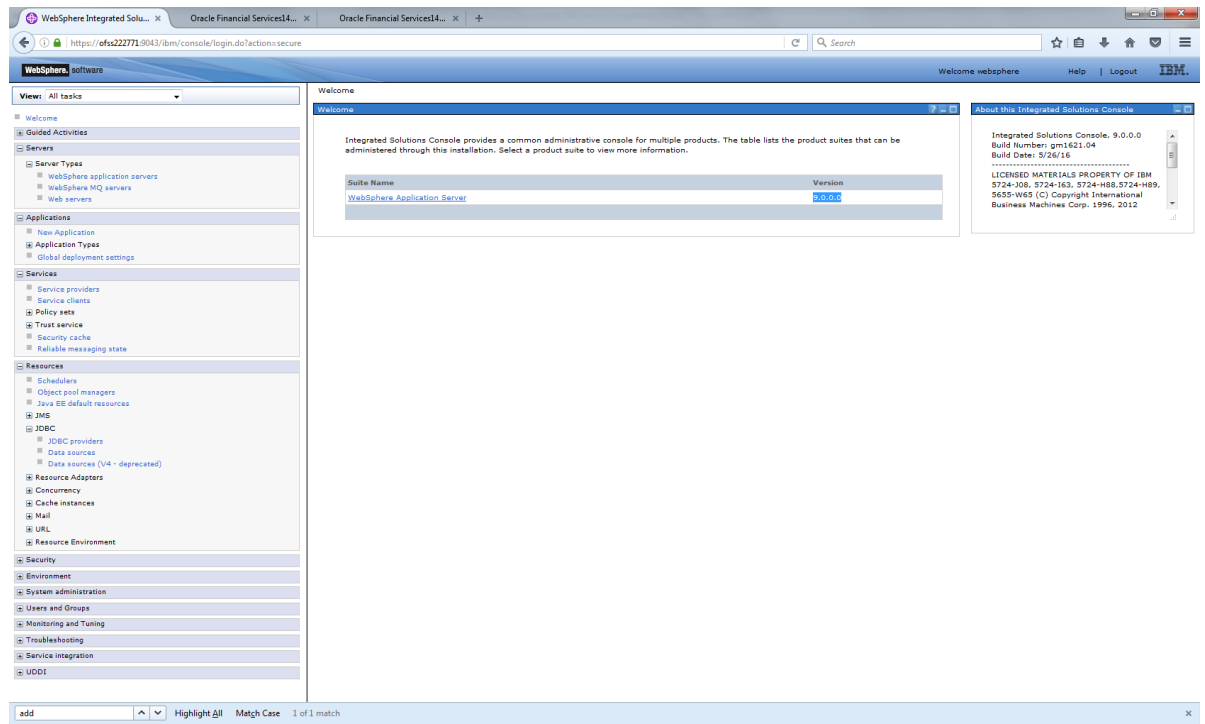
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



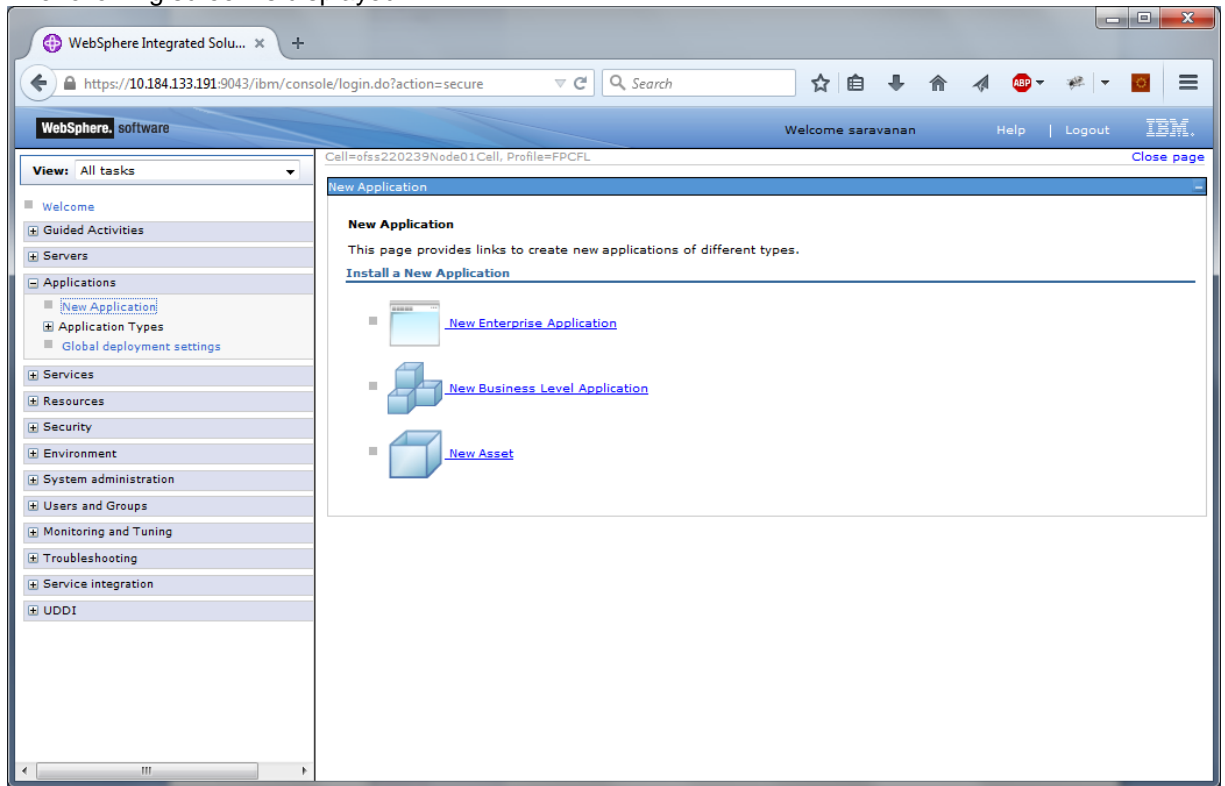
2. Enter the user name and password and click 'Log In' to log in to the application server.

3. Navigate to the WebSphere Home Page.
The following screen is displayed.

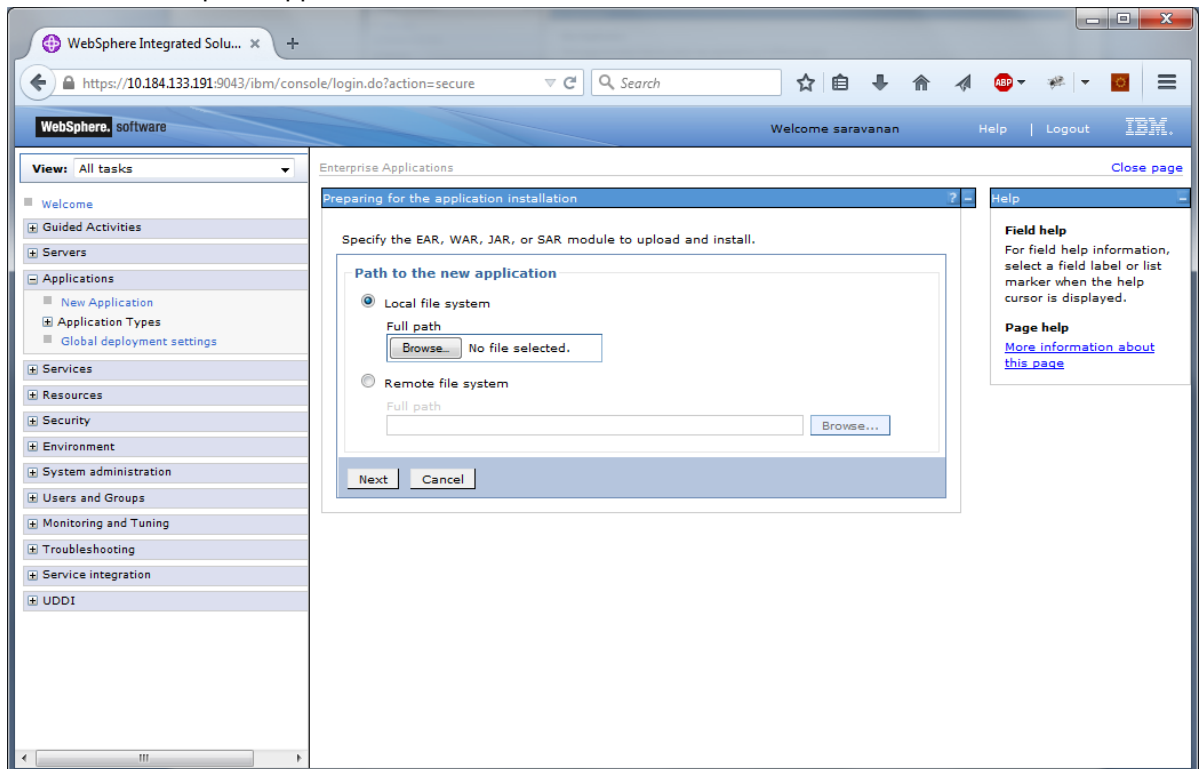


4. Expand Applications from left-side menu and Click 'New Application'.

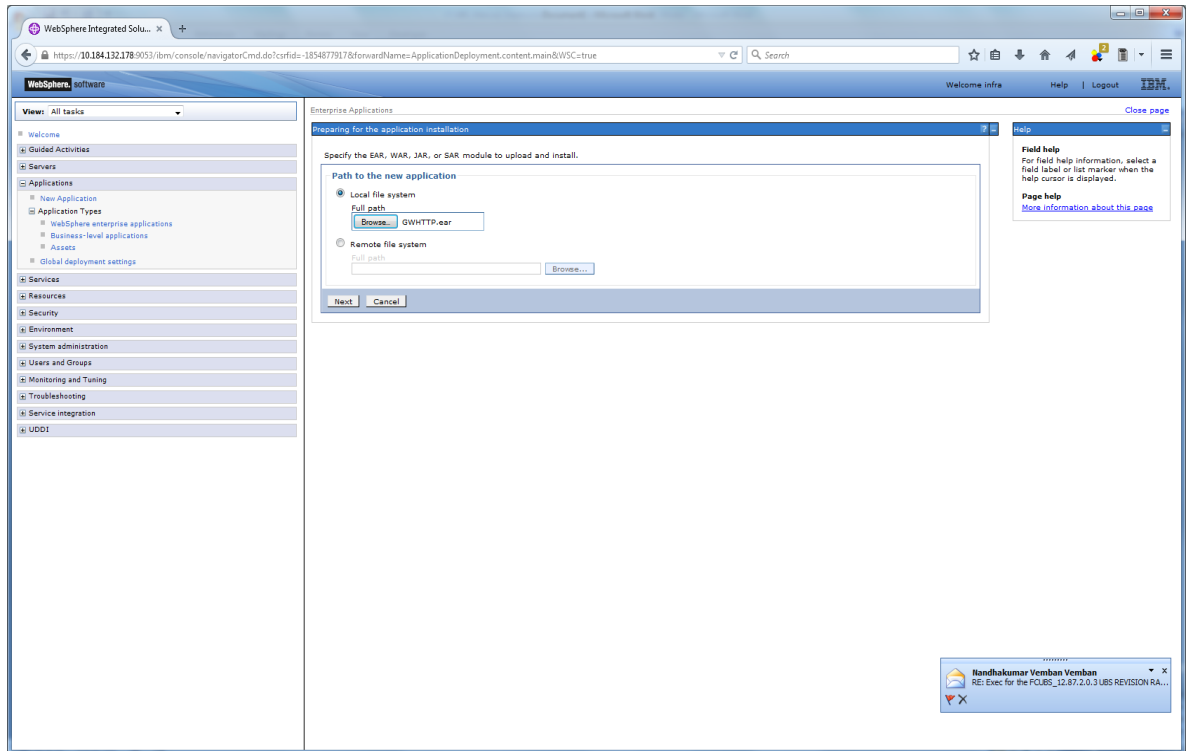
The following screen is displayed.



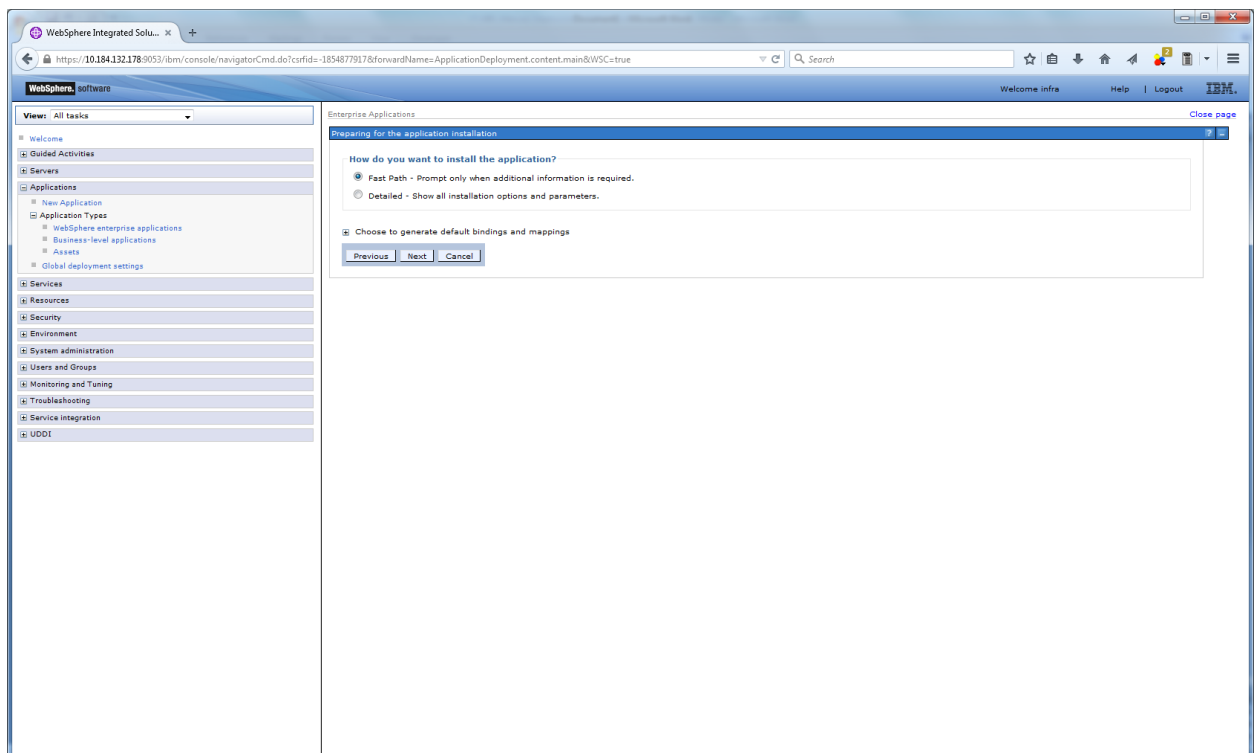
5. Click 'New Enterprise Application'.



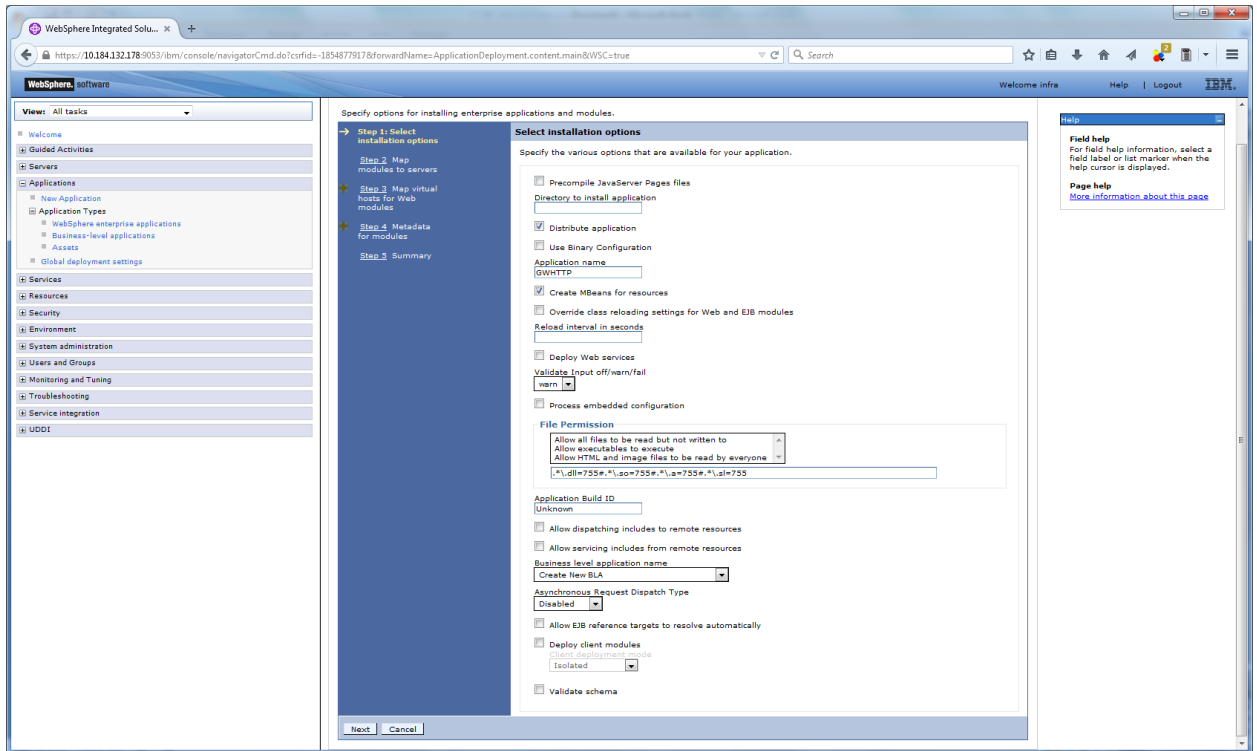
6. Browse the application EAR file and click next button



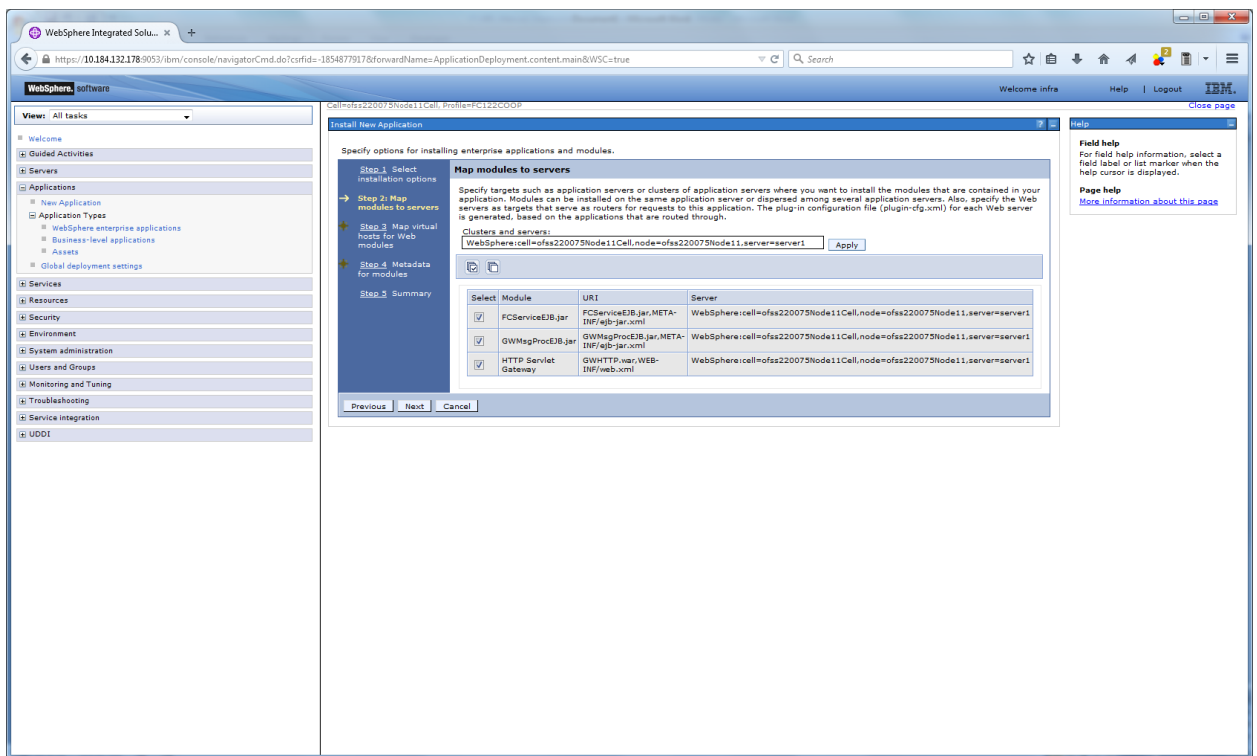
7. Click next and the following screen is displayed.



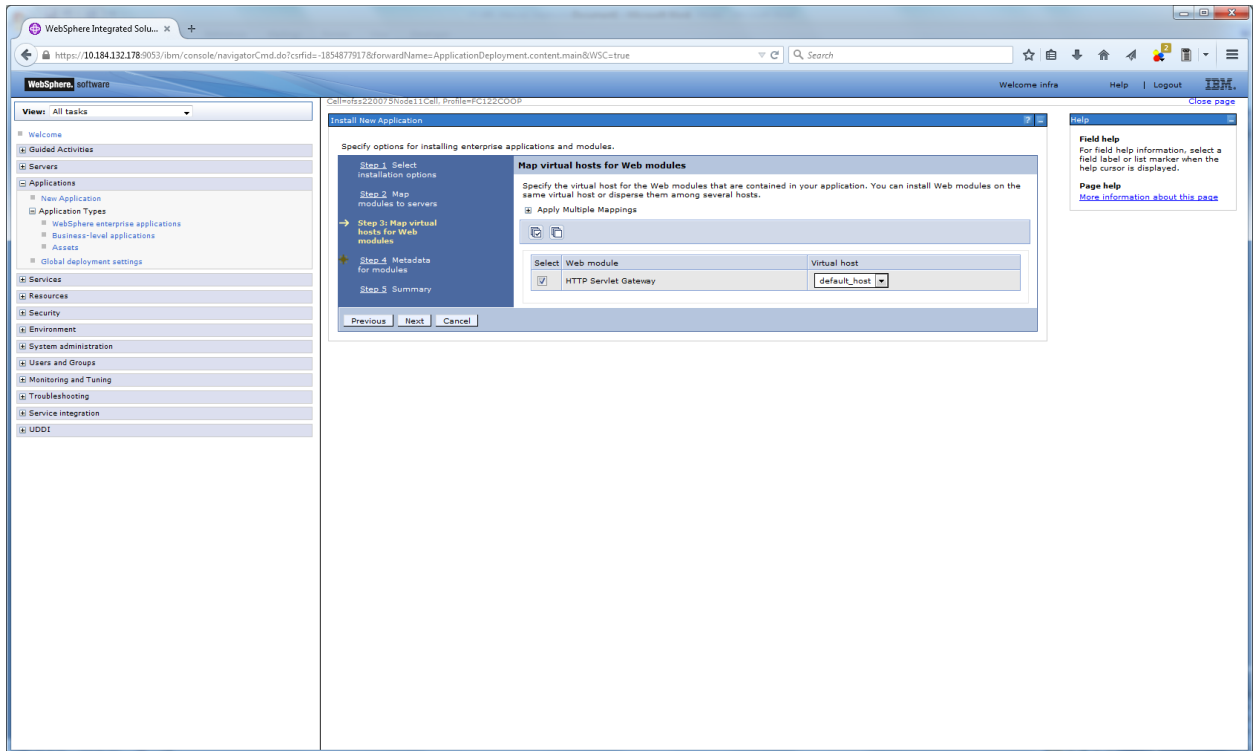
8. Click next and the following screen is displayed.



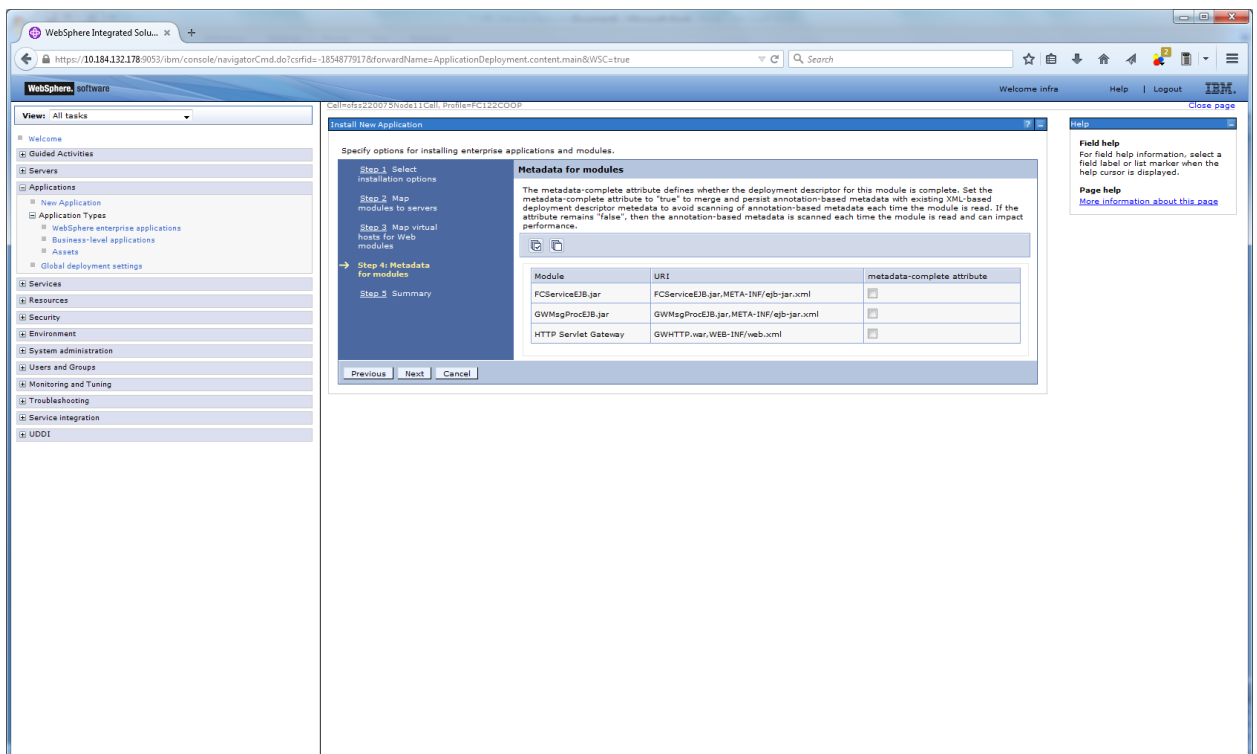
9. Click next and the following screen is displayed.



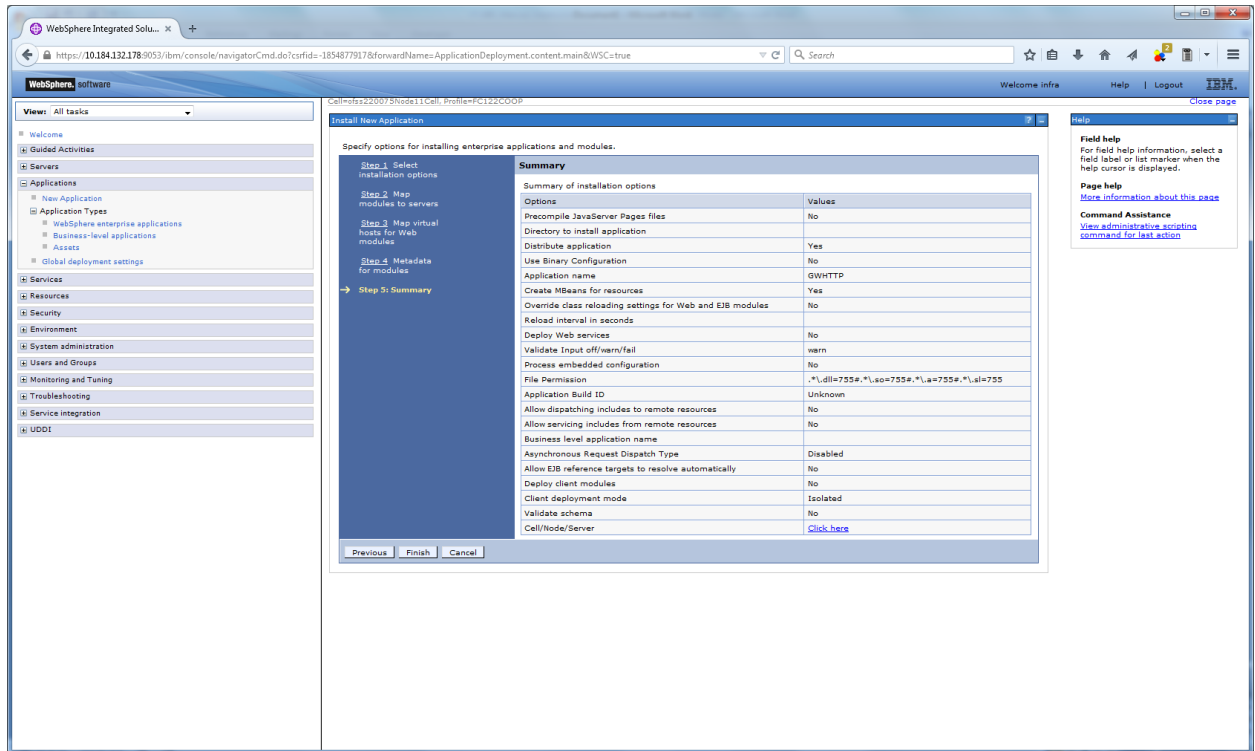
10. Click next and the following screen is displayed.



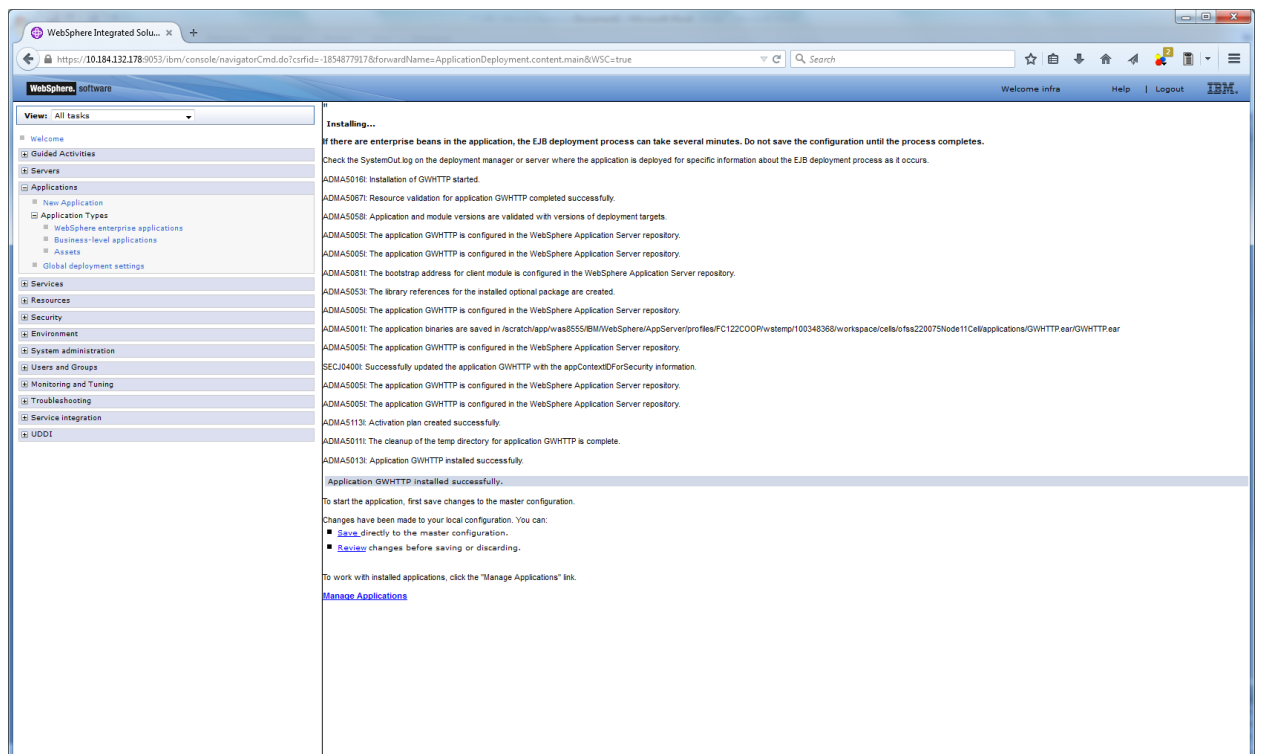
11. Click next and the following screen is displayed.



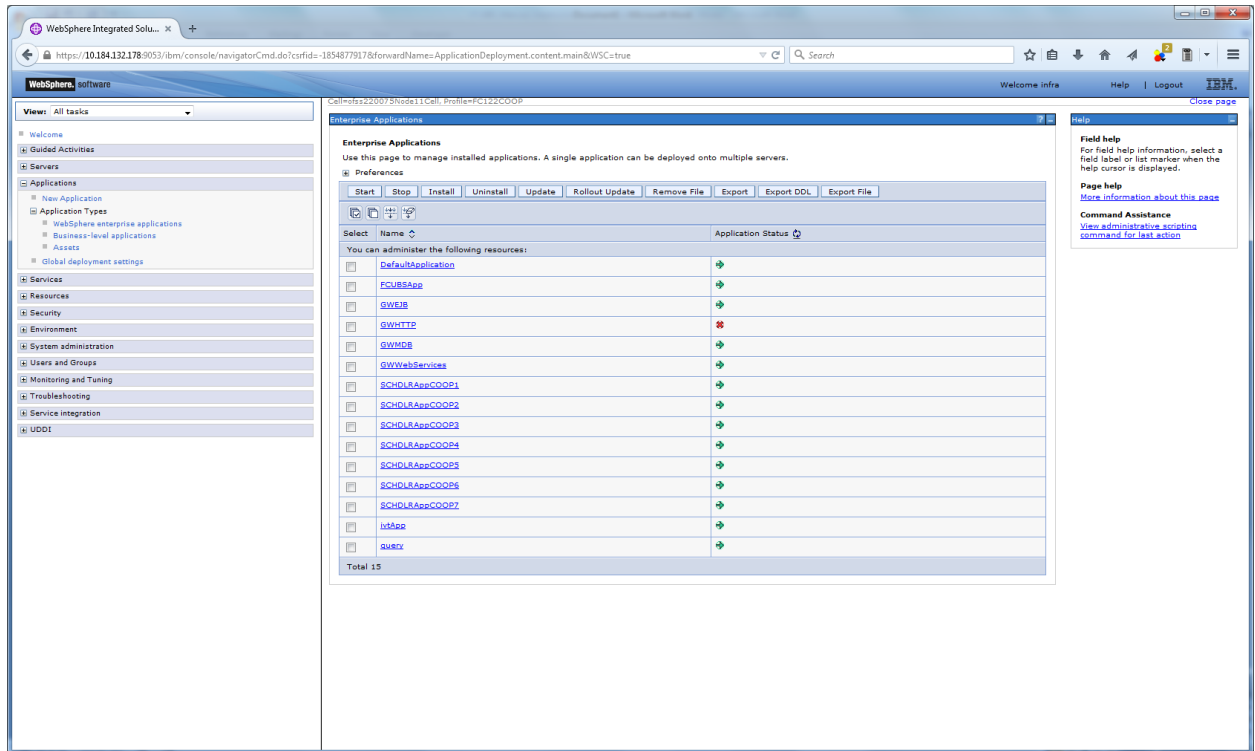
12. Click next and the following screen is displayed.



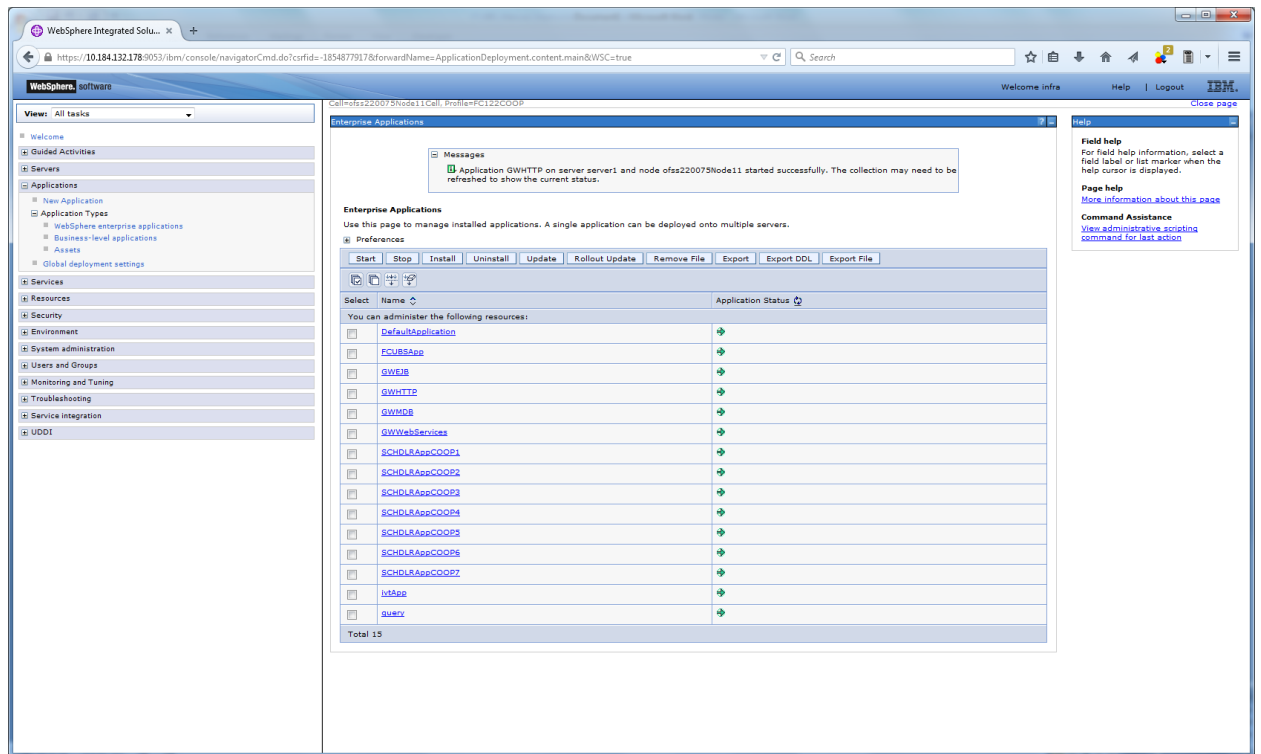
13. Click on finish and the following screen is displayed.



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 OBTR GWWebServices Application Deployment

To deploy Oracle Banking Treasury Management application on WebSphere application server, follow the steps given below:

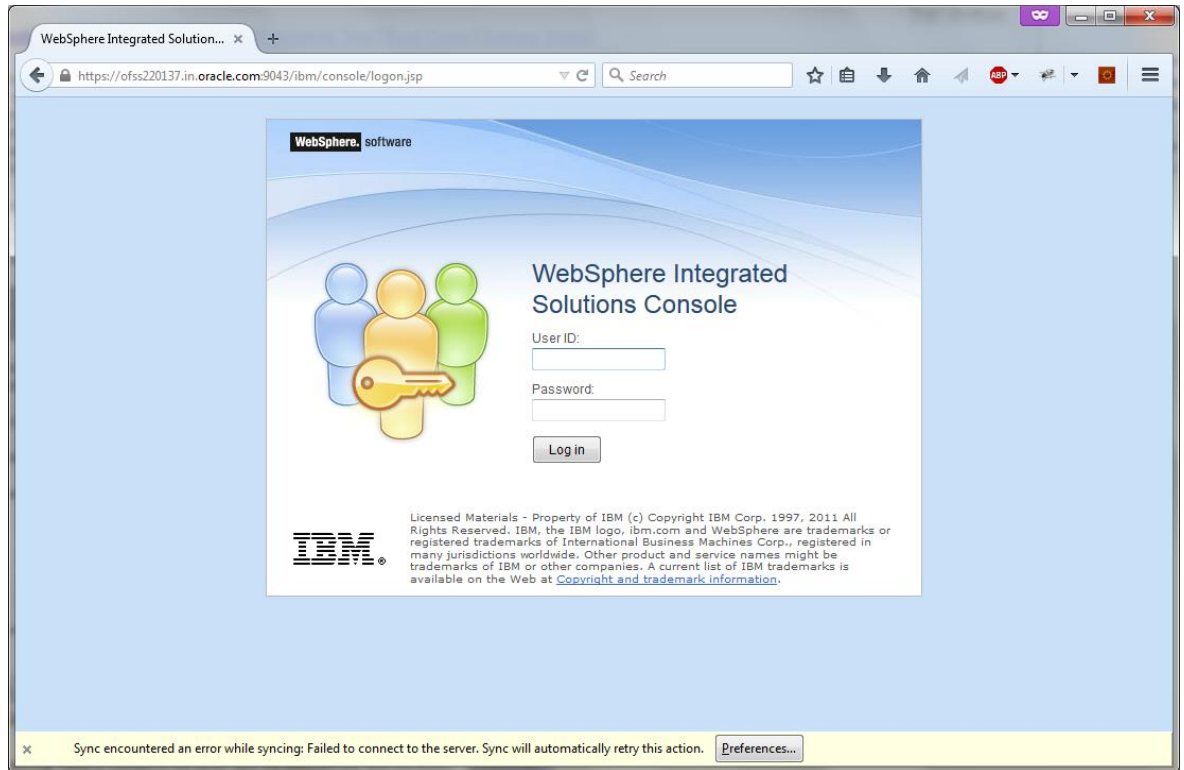
1. Open the Administrative Console of WebSphere server:

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

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

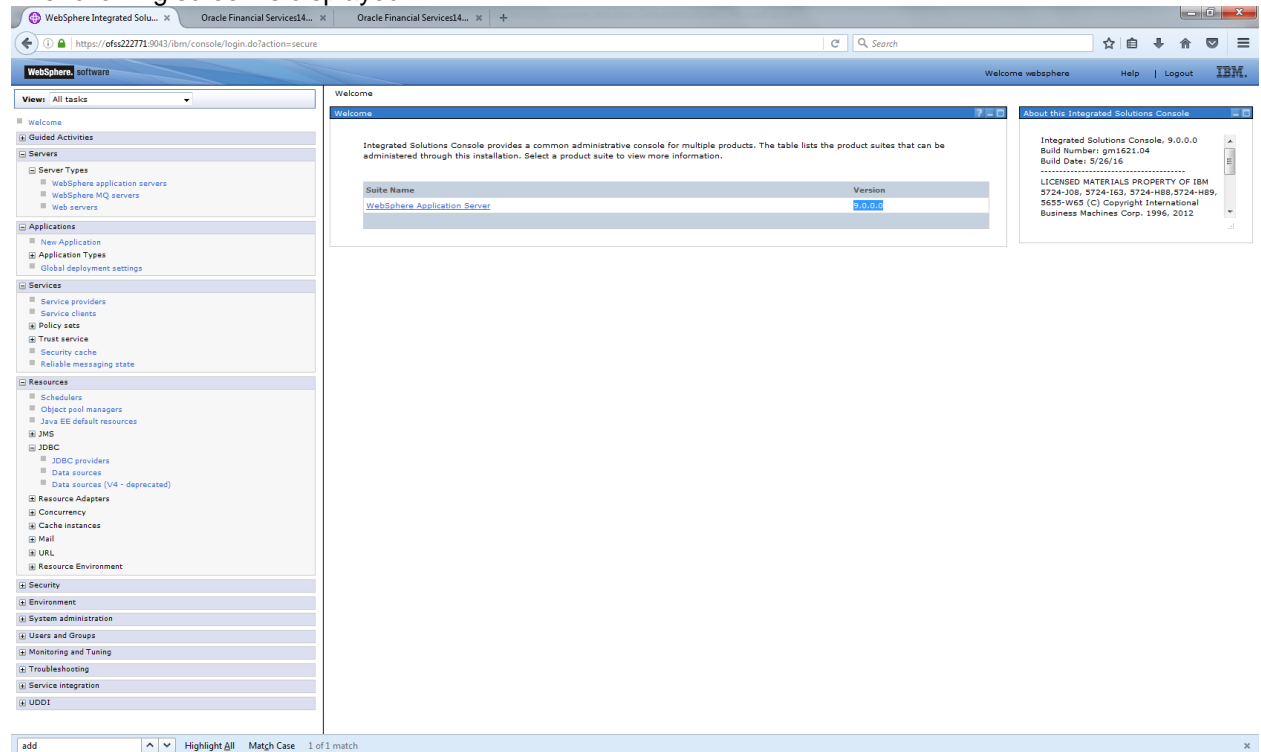
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



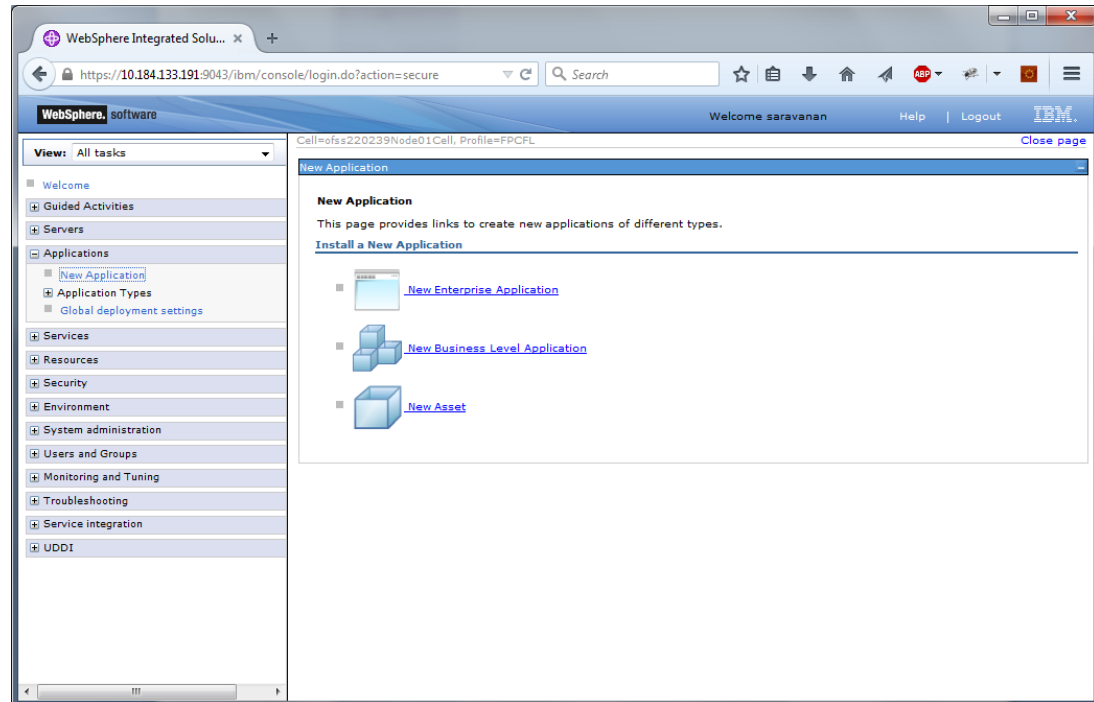
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

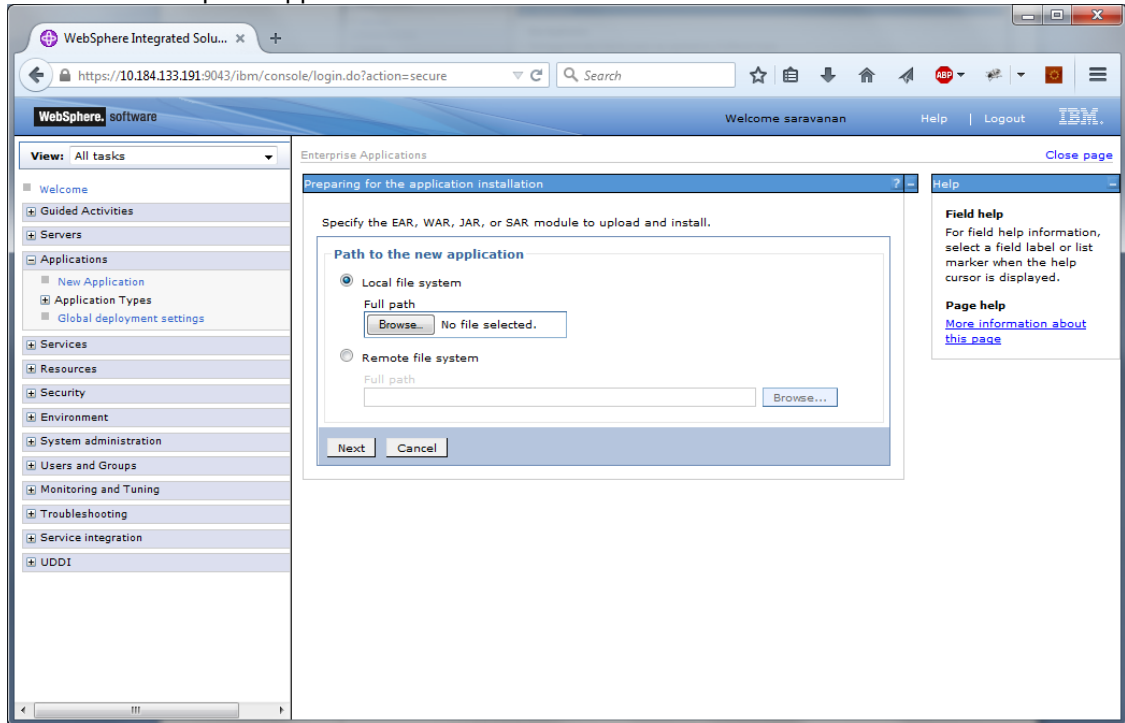


4. Expand Applications from left-side menu and Click 'New Application'.

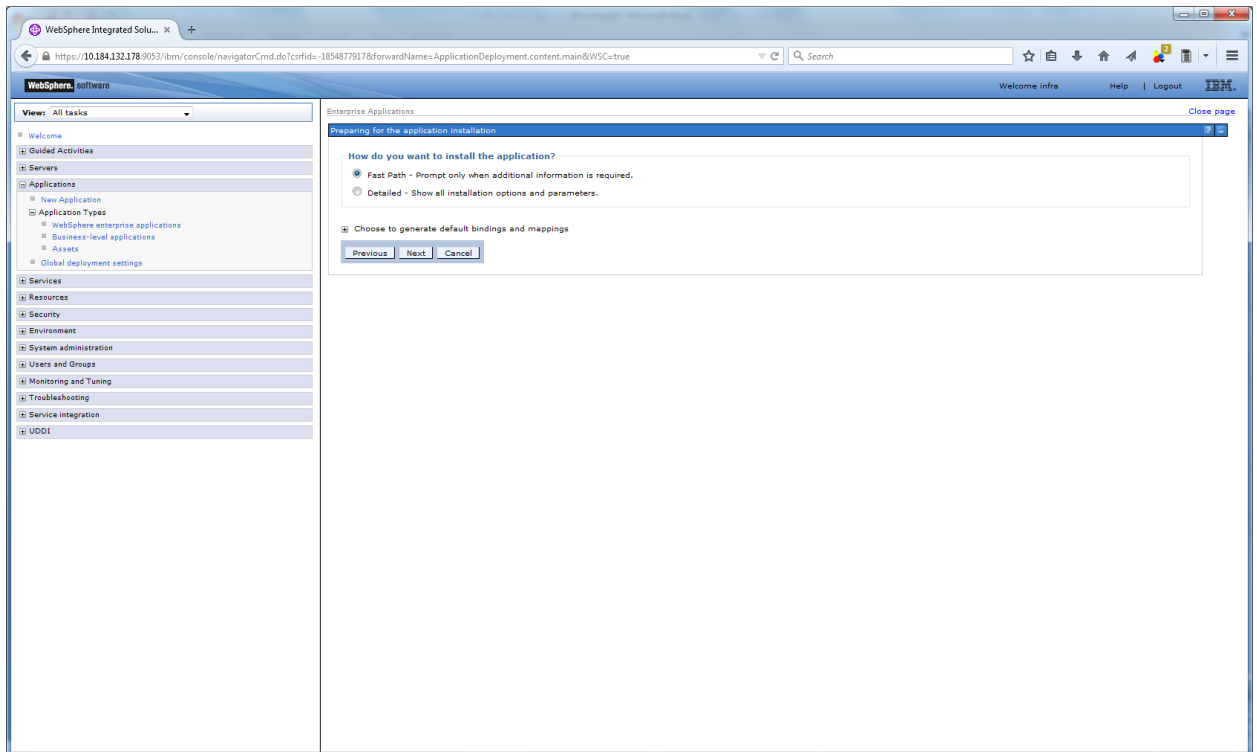
The following screen is displayed.



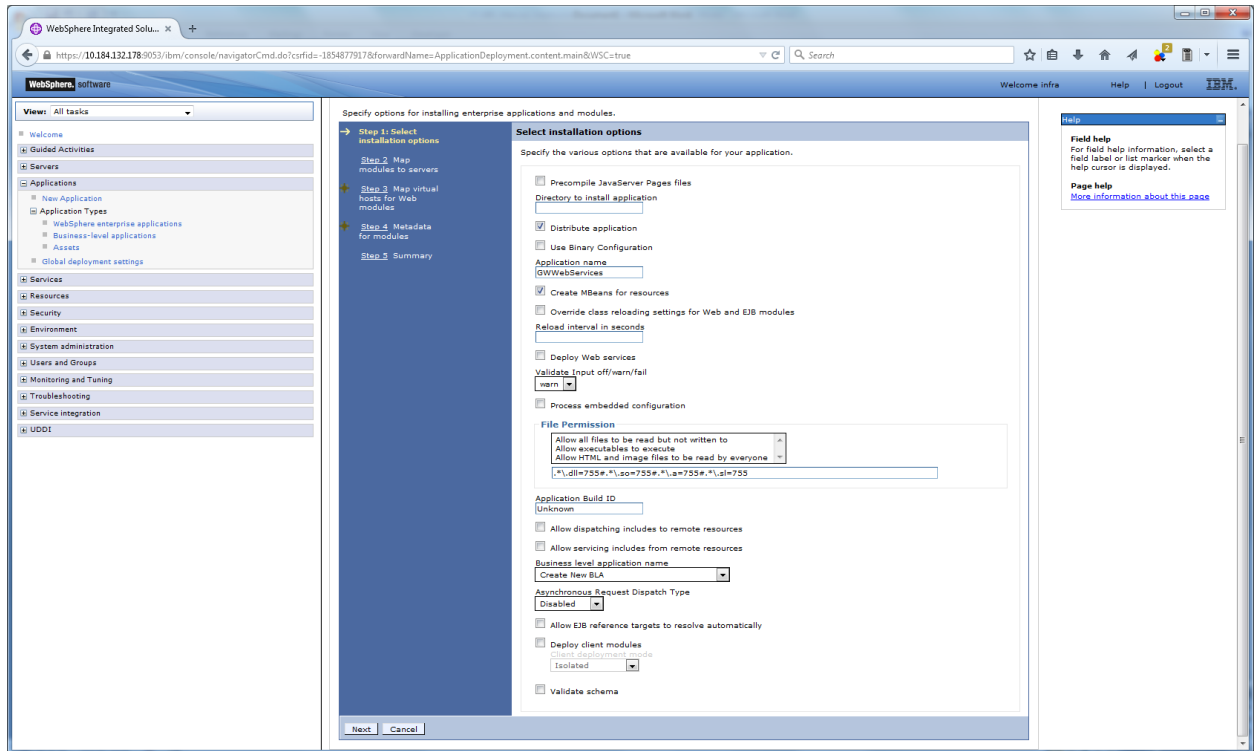
5. Click 'New Enterprise Application.'



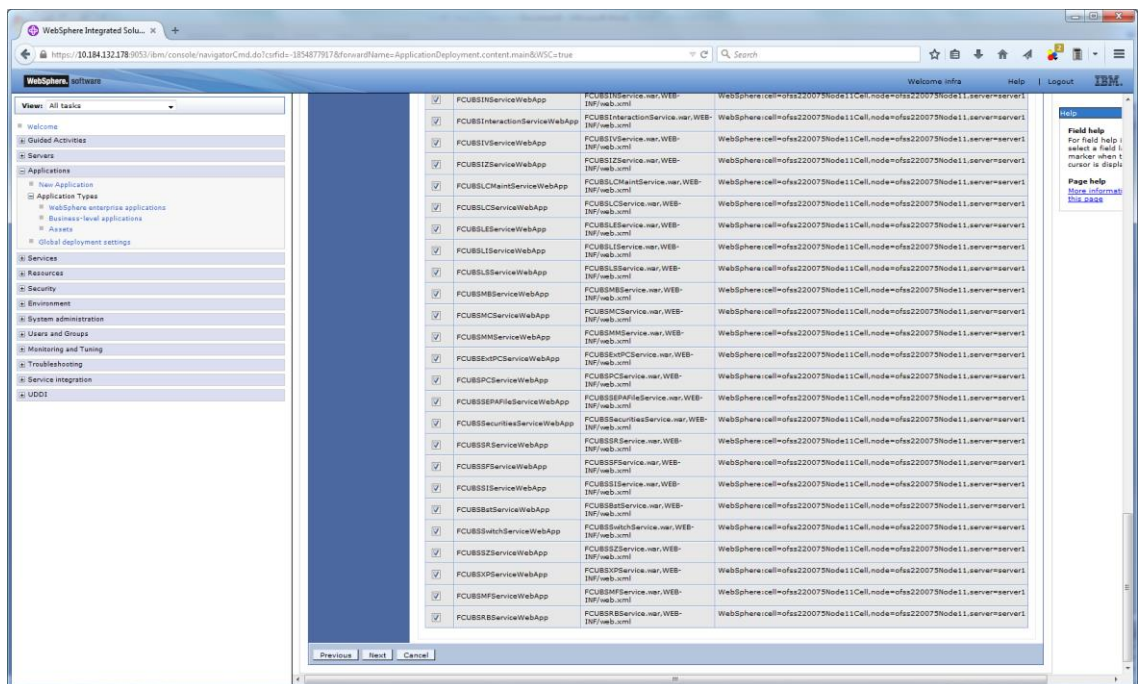
6. Browse the application EAR file and click next button.



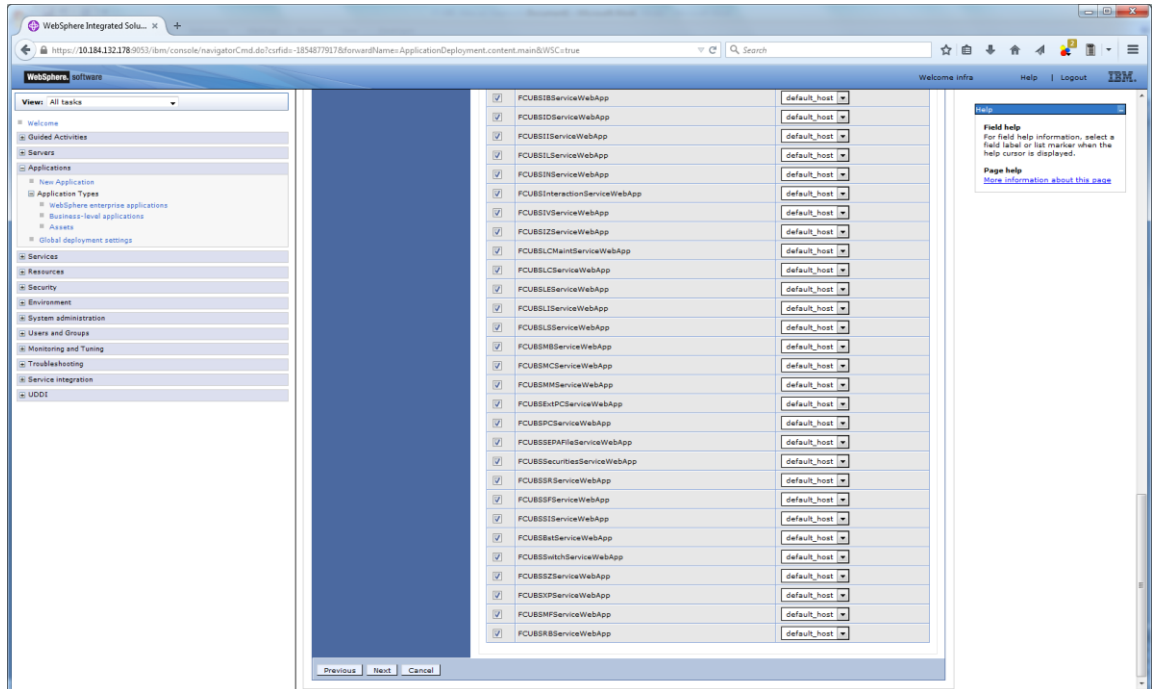
7. Click on next and the following screen is displayed.



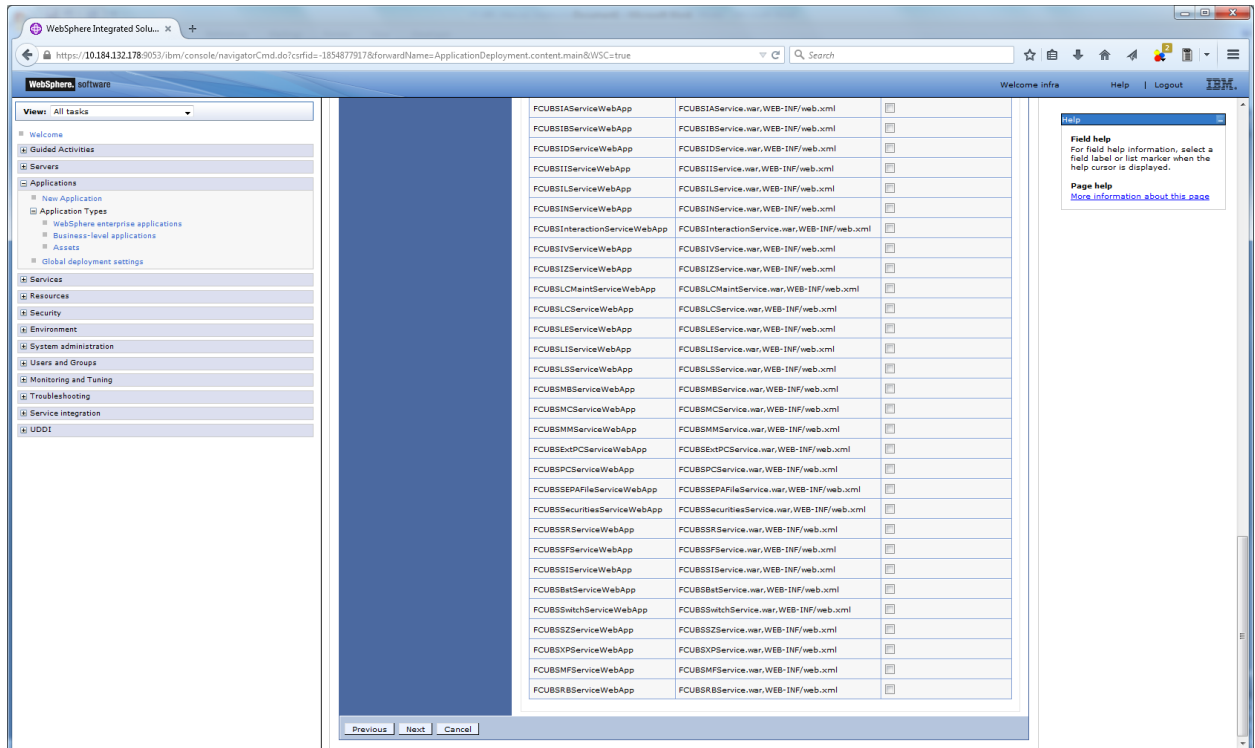
8. Click on next and the following screen is displayed.



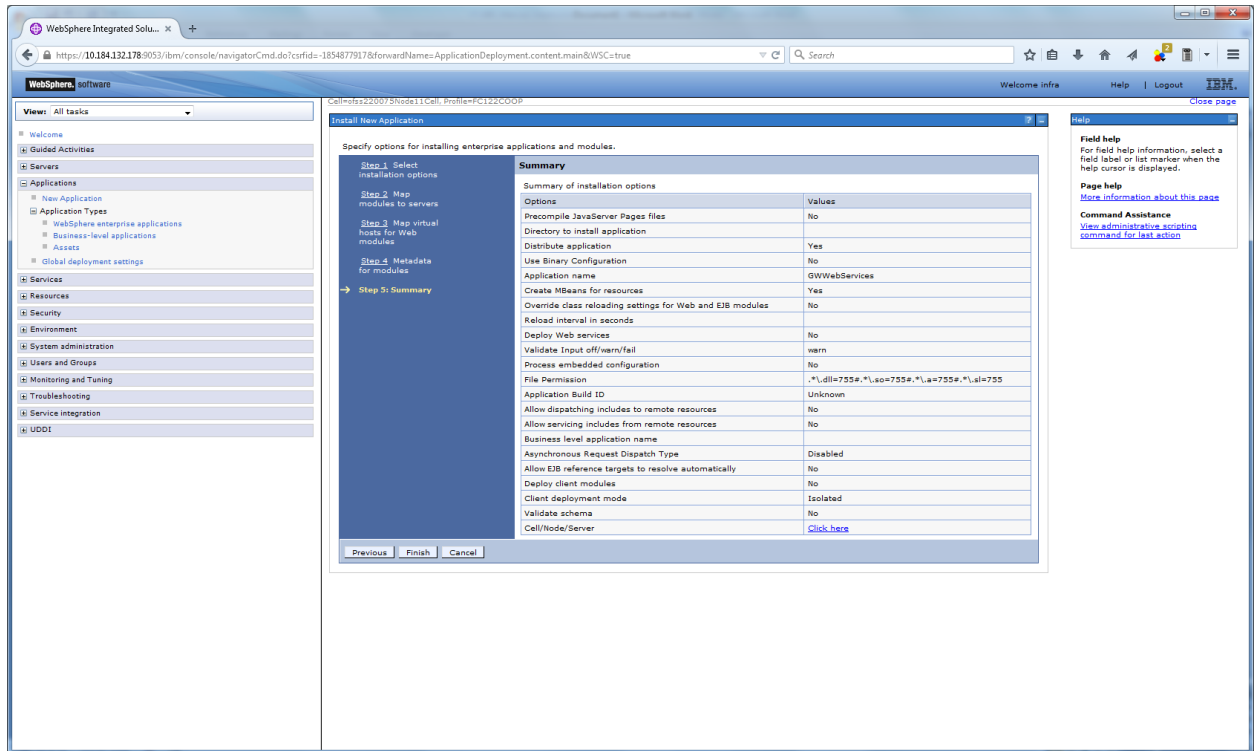
9. Click on next and the following screen is displayed.



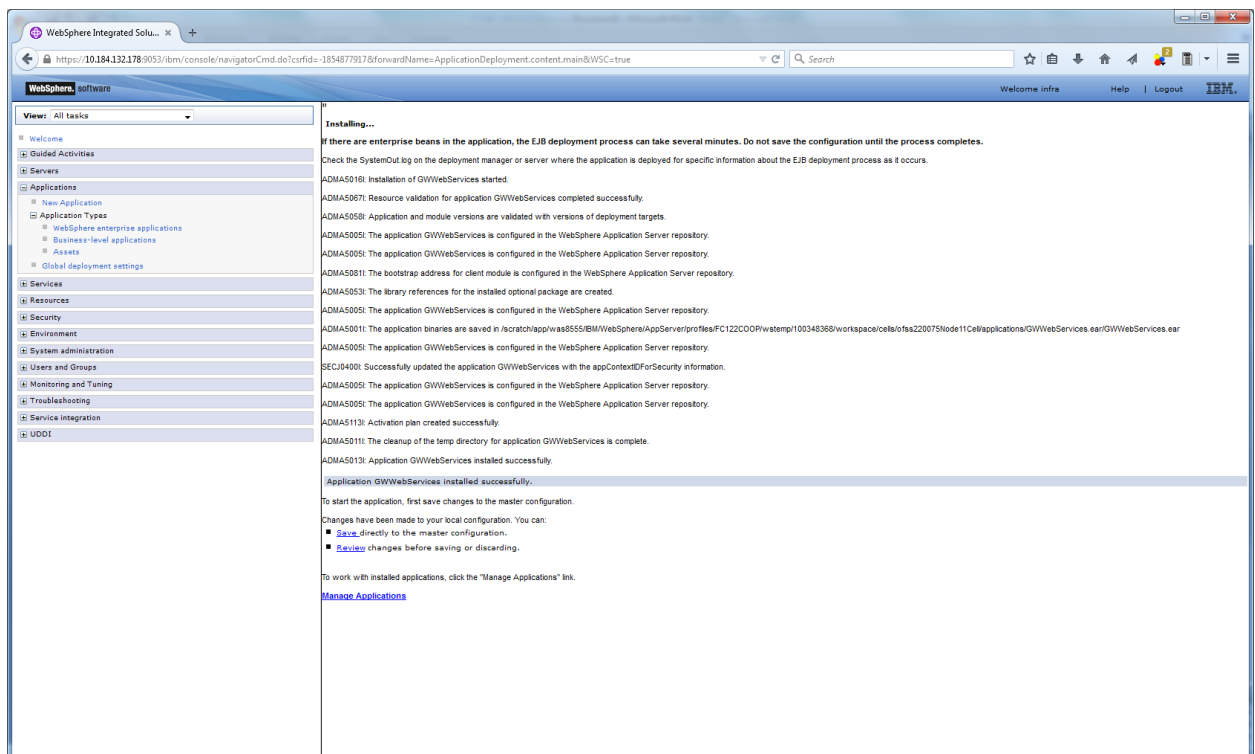
10. Click on next and the following screen is displayed.



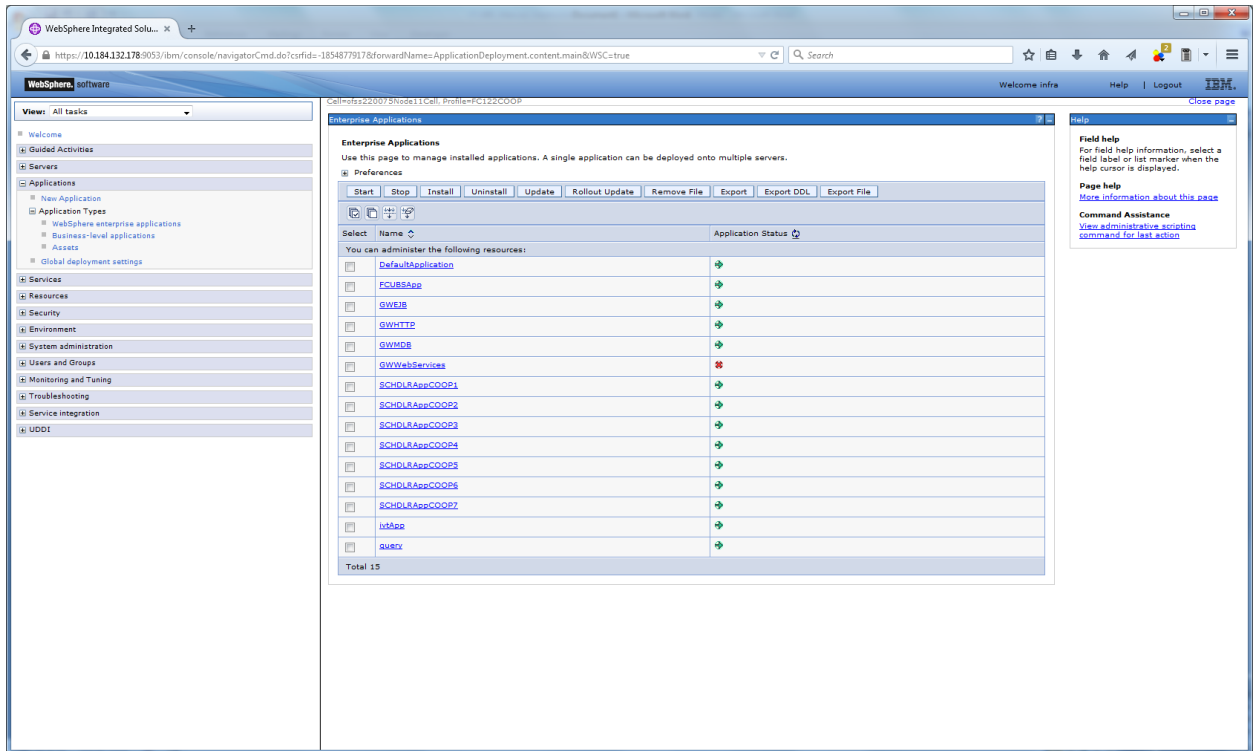
11. Click on next and the following screen is displayed.



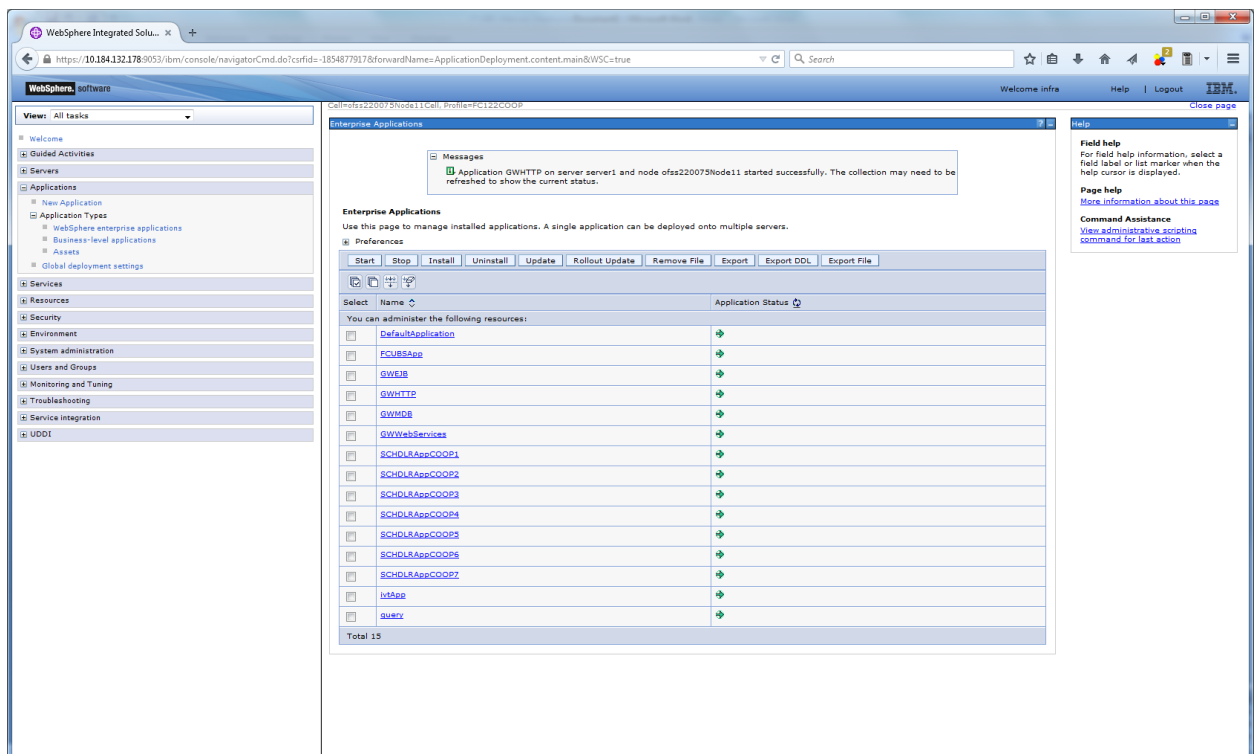
12. Click on finish and the following screen displayed.



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 Banking Treasury Management on WebSphere

[April] [2020]

Version 14.4.0.0.0

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