

Deploying Oracle FLEXCUBE Application on WebSphere
Oracle FLEXCUBE Universal Banking
Release 12.4.0.0.0
[May] [2017]



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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 FCUBS Application Deployment

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

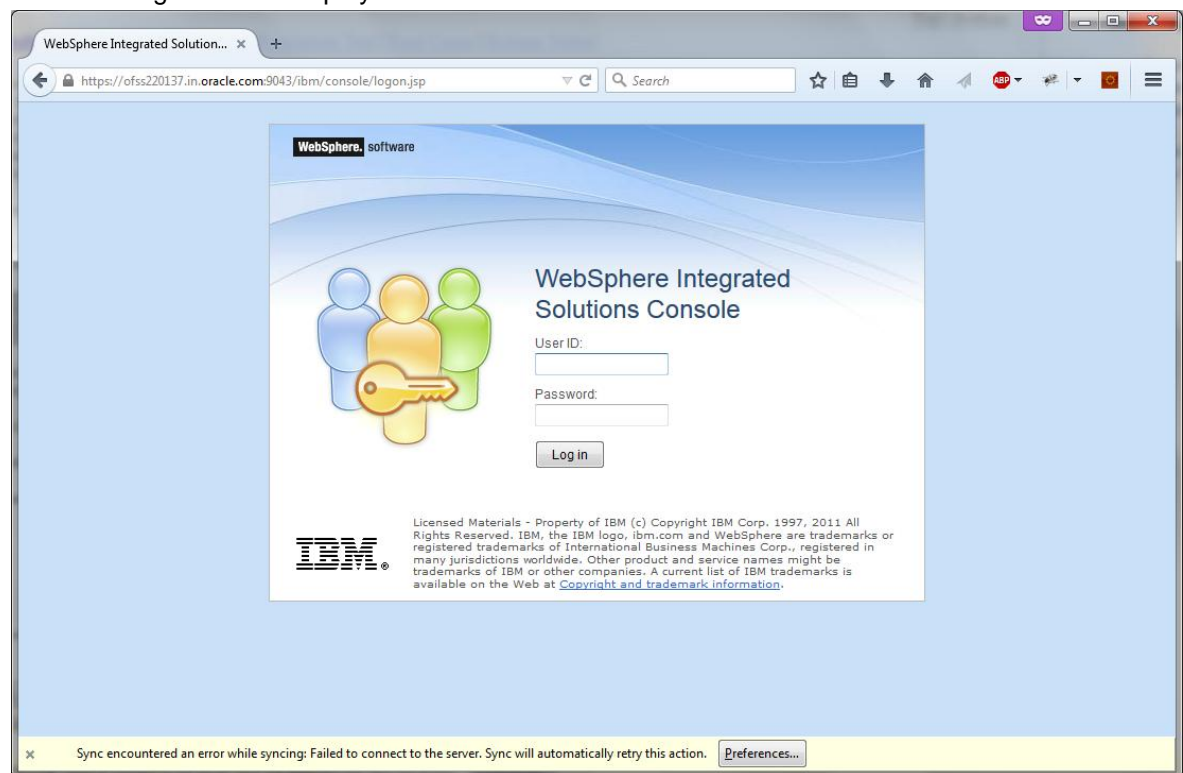
1. Open the Administrative Console of WebSphere server:

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

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

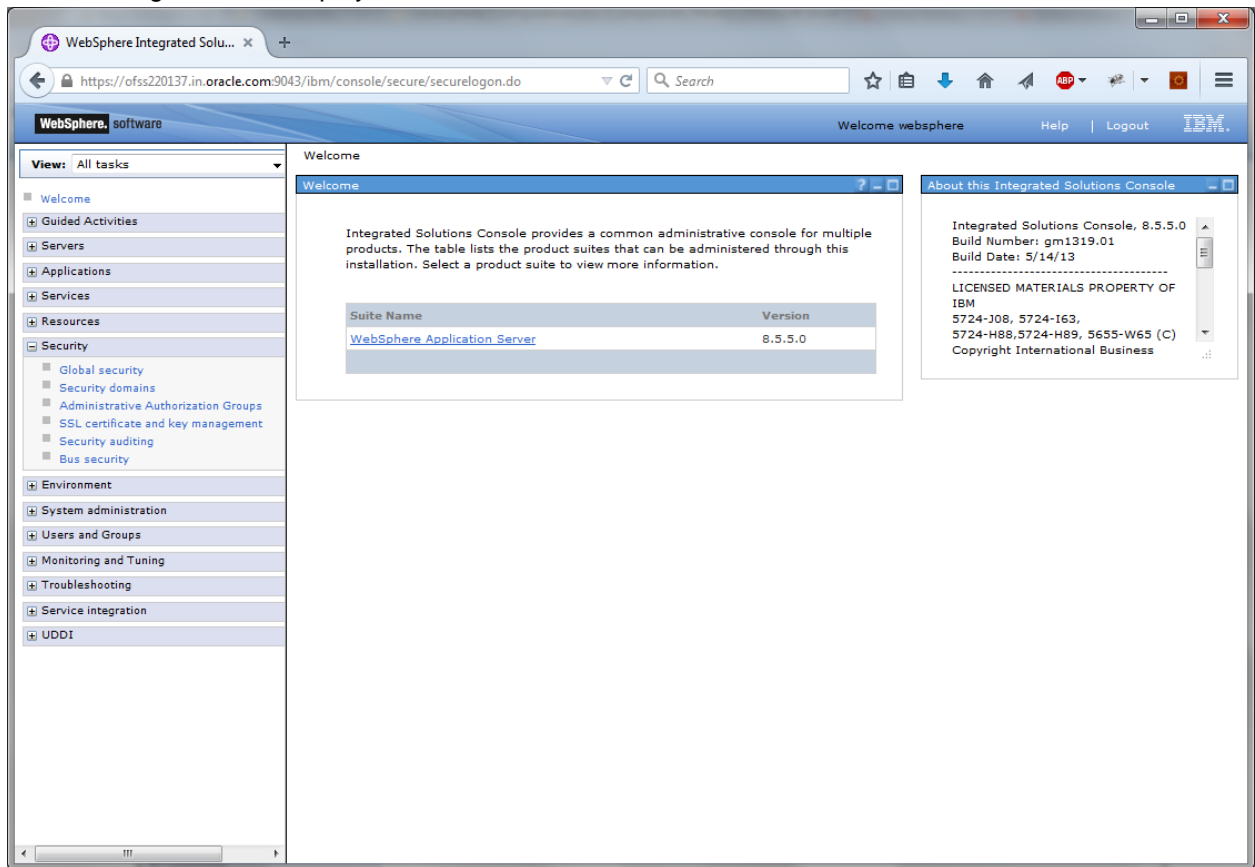
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



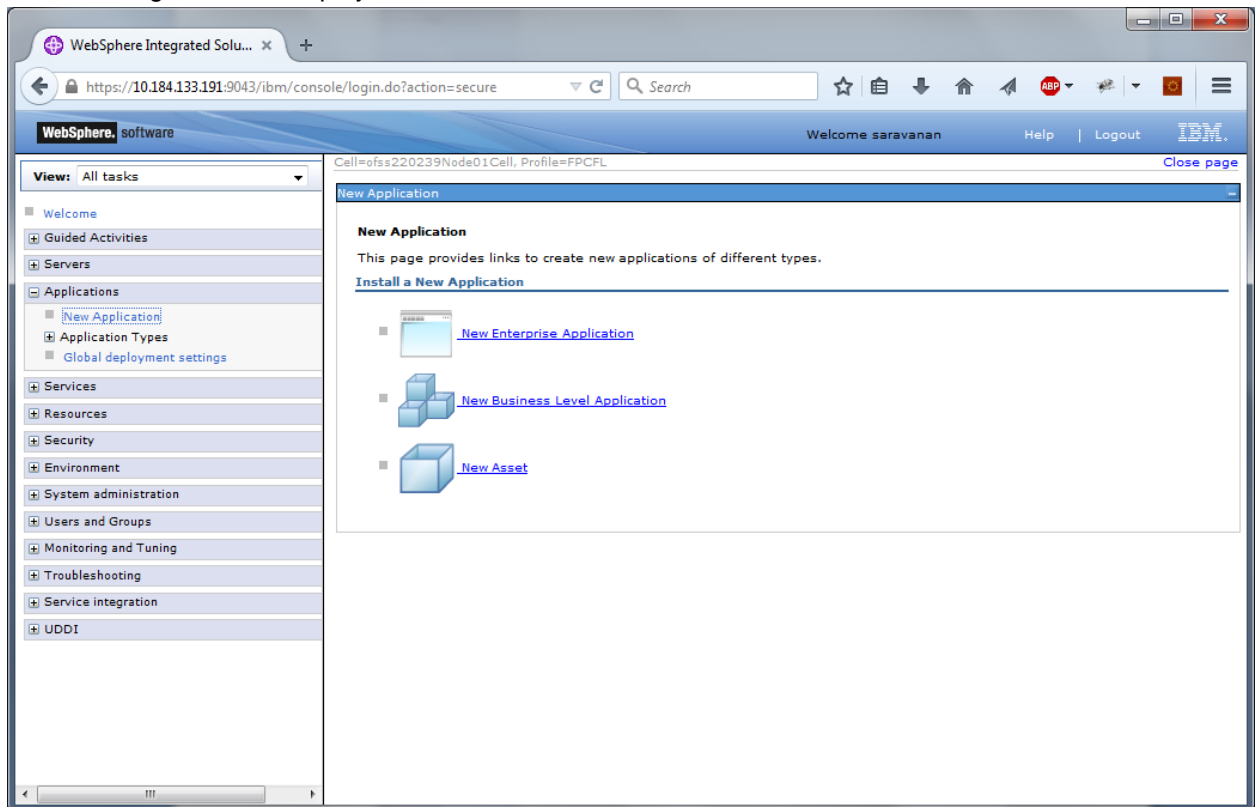
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

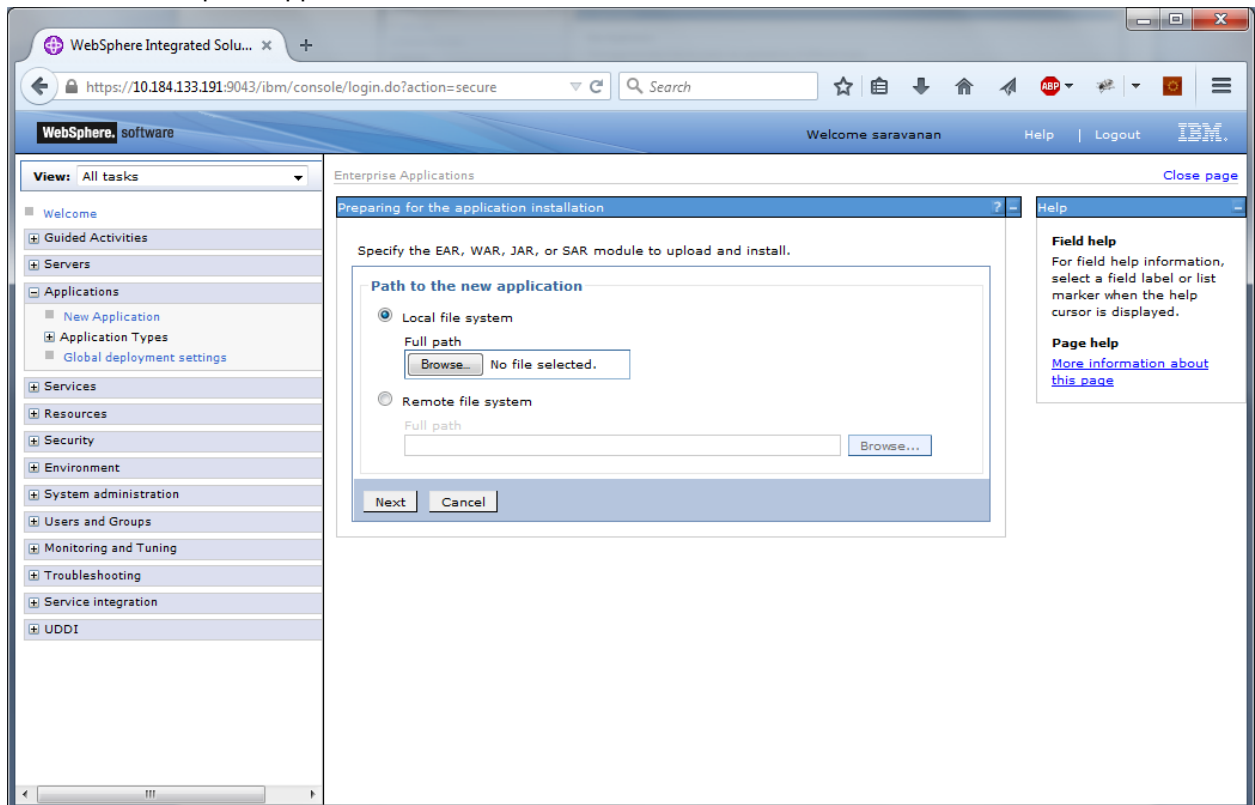


4. Expand Applications from left-side menu and Click 'New Application'.

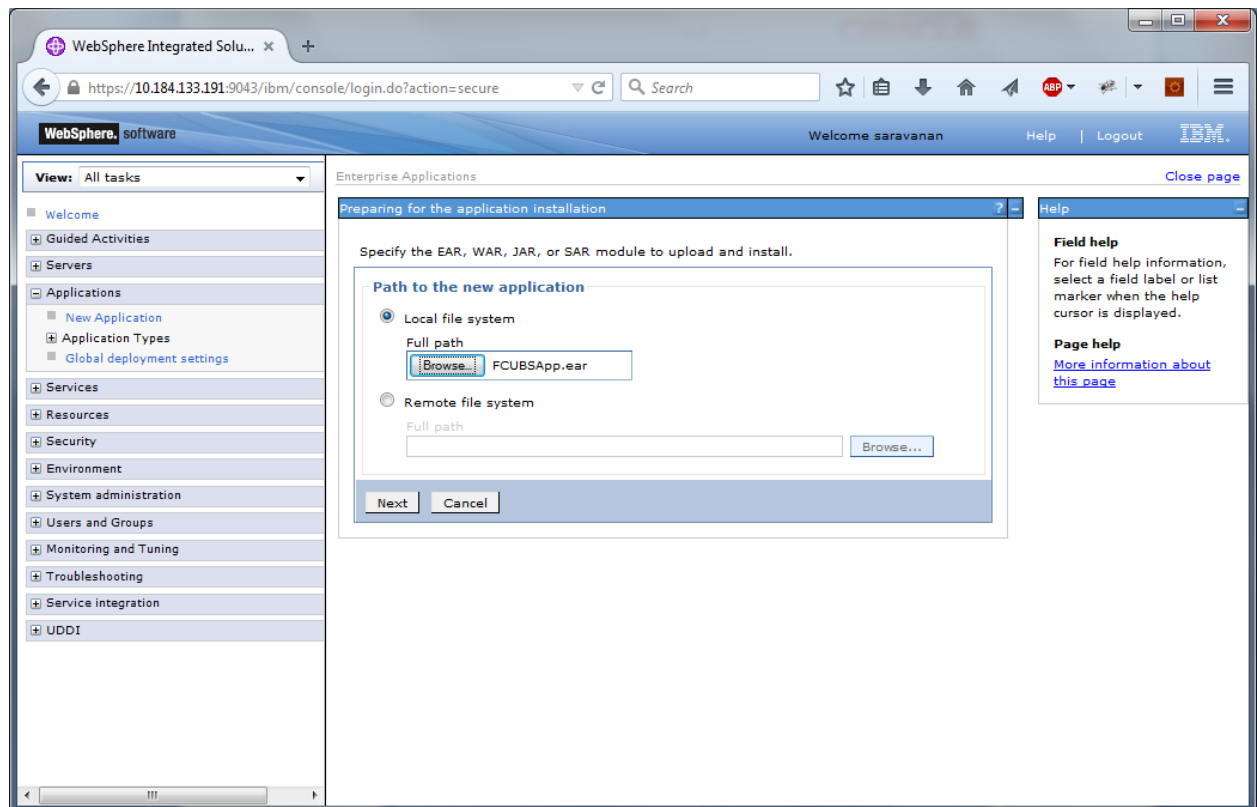
The following screen is displayed.



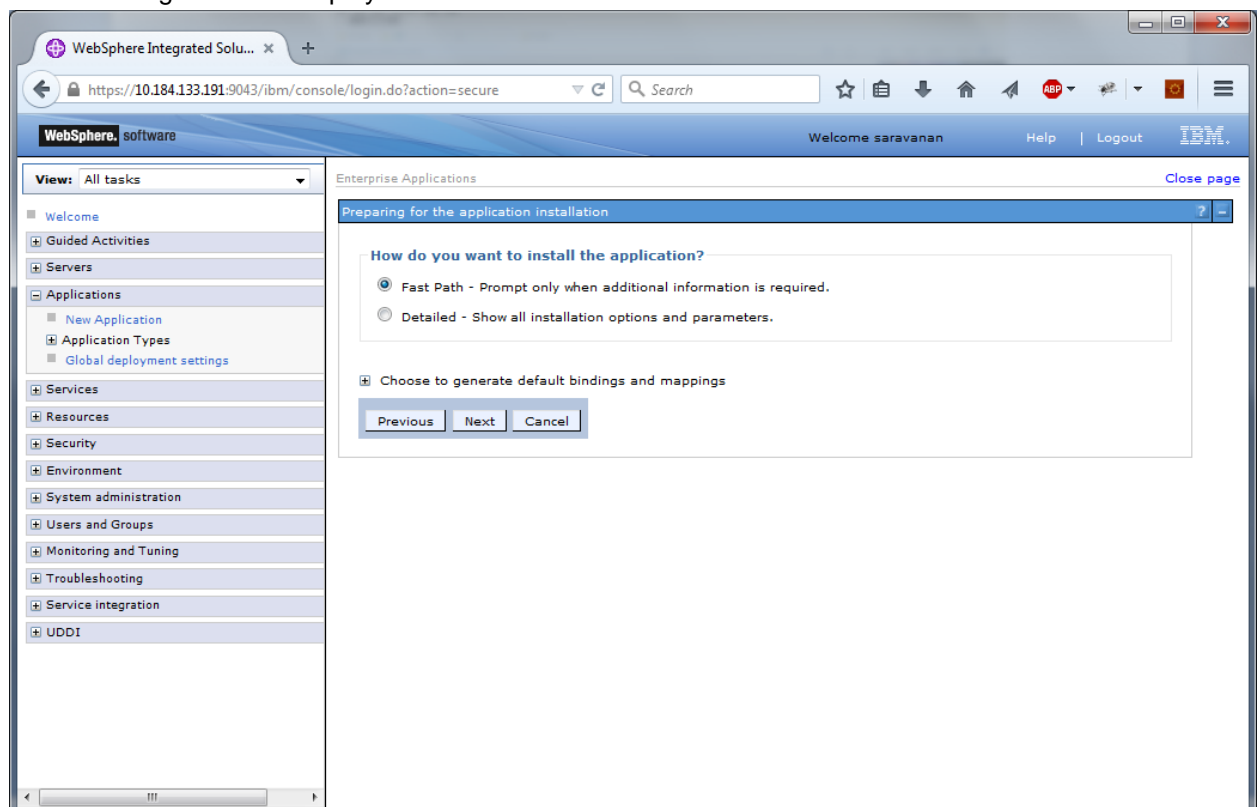
5. Click 'New Enterprise Application'.



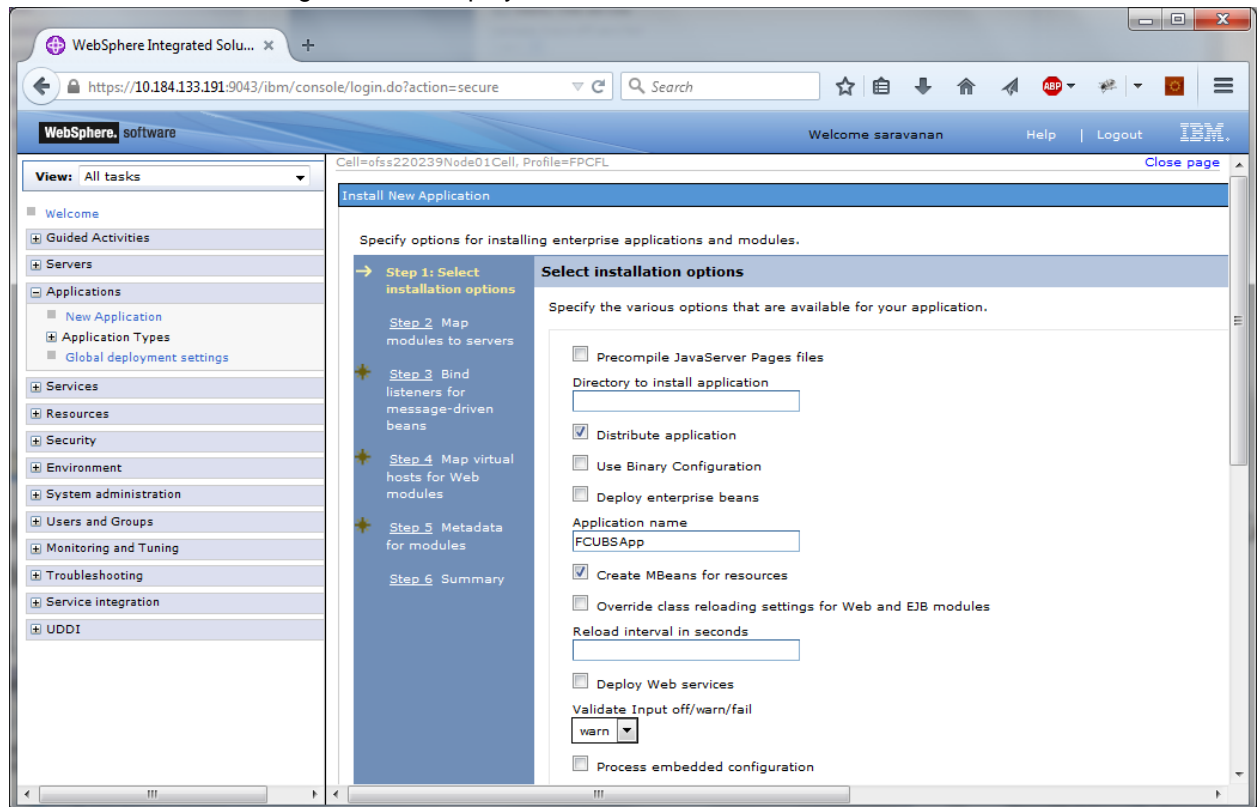
6. Browse the application EAR file and click next button



The following screen is displayed.

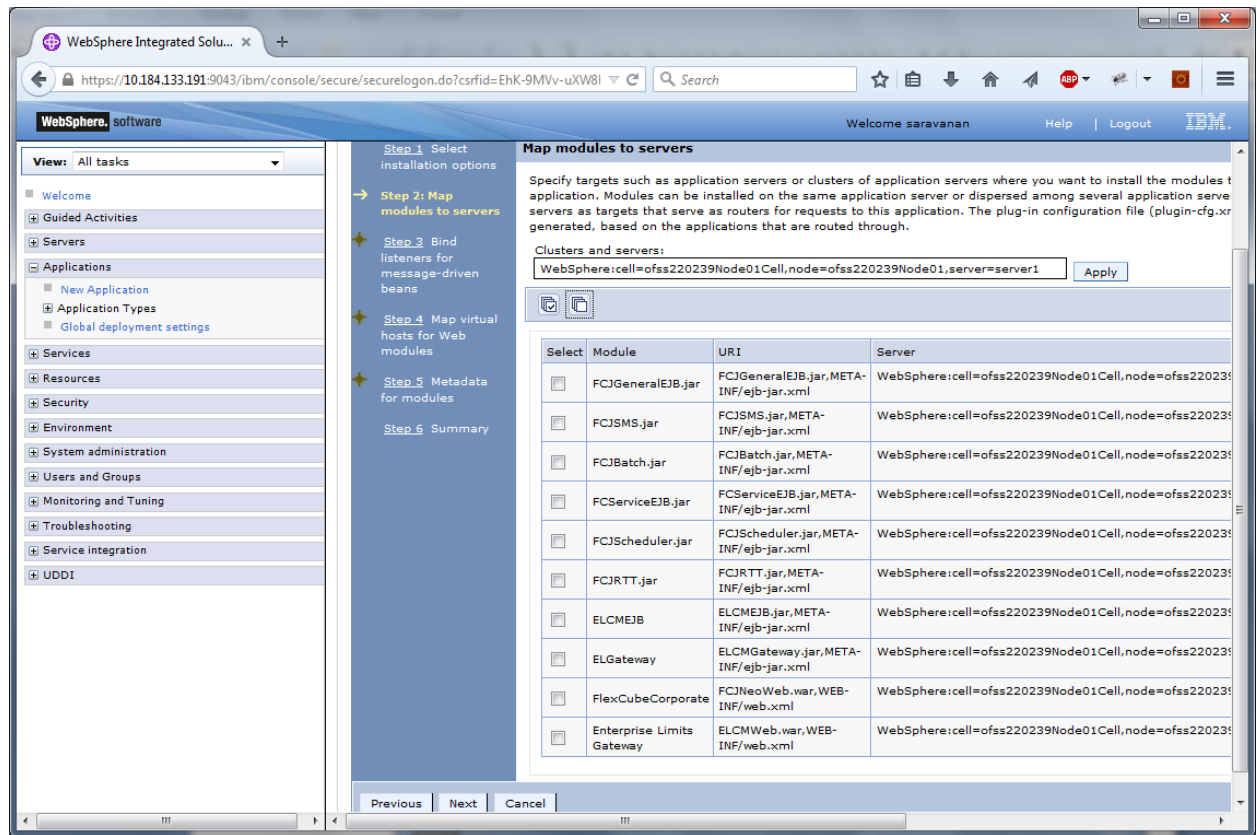


7. Click 'Next'. The following screen is displayed.

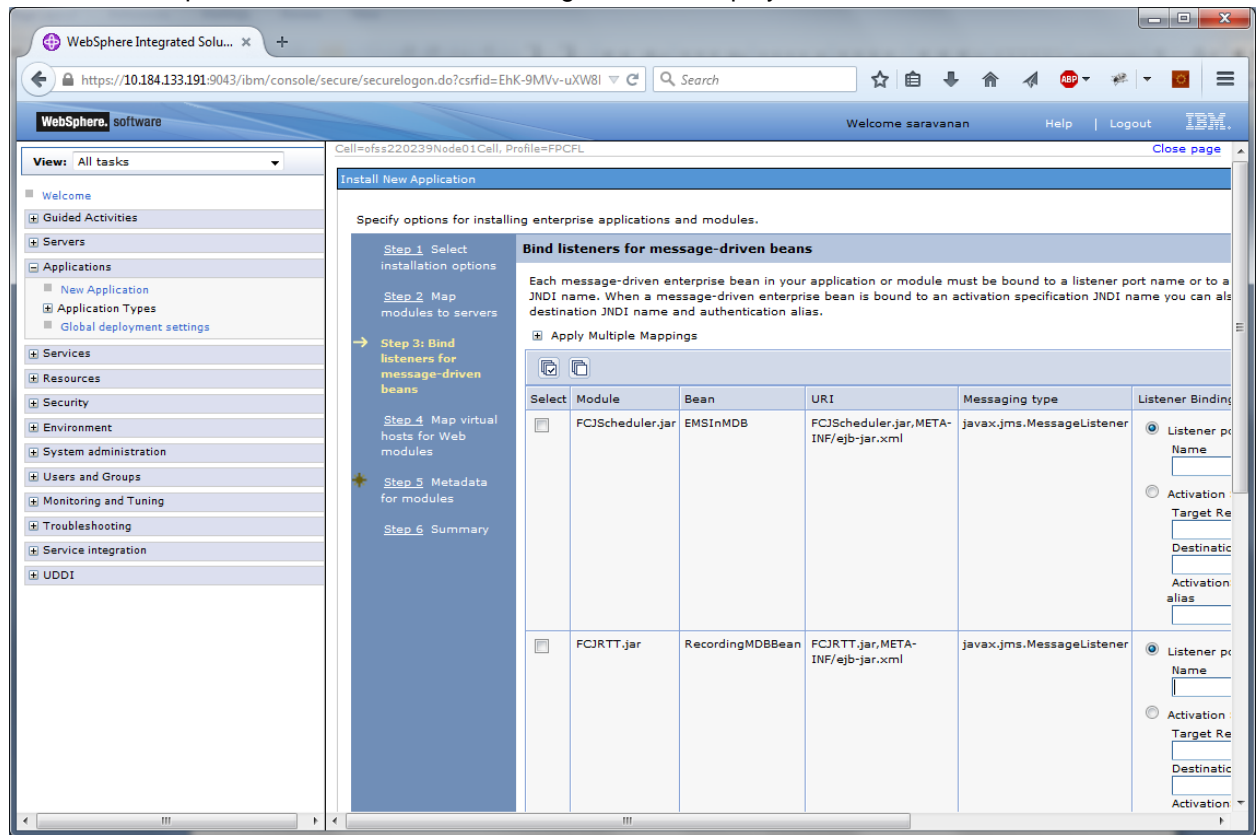


8. Enter the Application Name. This should be the application name mentioned as part of EAR building.

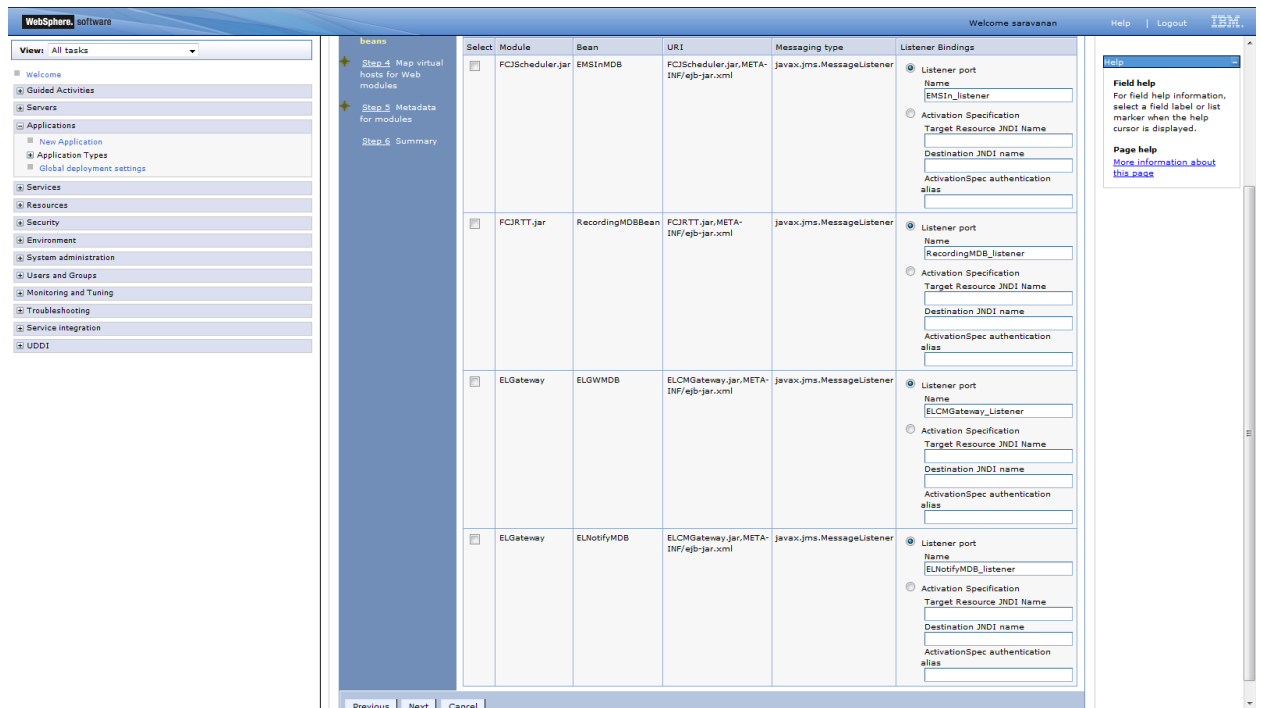
9. Click 'Next'.



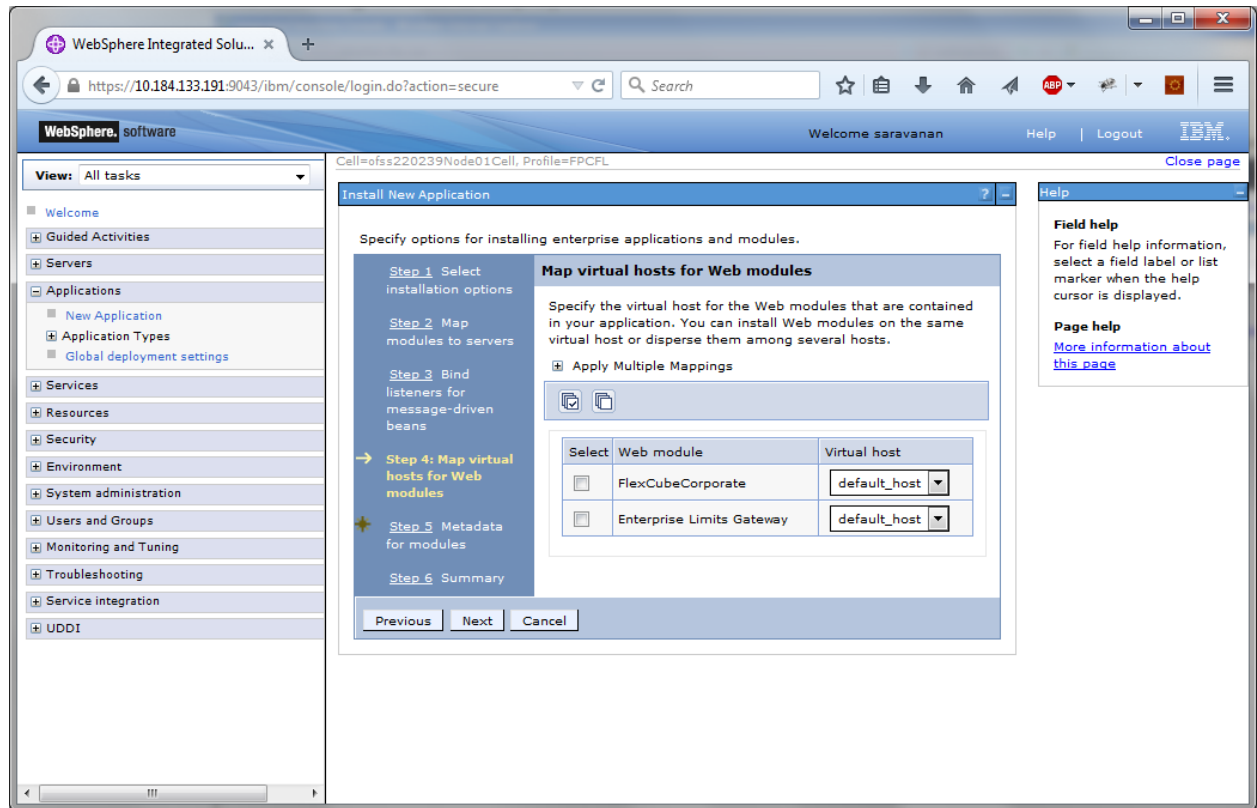
10. Check all the options. Click 'Next'. The following screen is displayed.



11. Specify the details as shown in the figure.



12. Click 'Next'. Following screen is displayed



13. 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"/>

Previous Next Cancel

FCJ Highlight All Match Case 20 of 20 matches

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](#)

Click next.

WebSphere Integrated Solu... x +

https://10.184.133.191:9043/ibm/console/secure/securelogin.do?csrfid=EhK-9MVv-uXW8l

WebSphere, software Welcome saravanan Help | Logout IBM.

View: All tasks

- Welcome
- Guided Activities
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 - New Application
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- 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

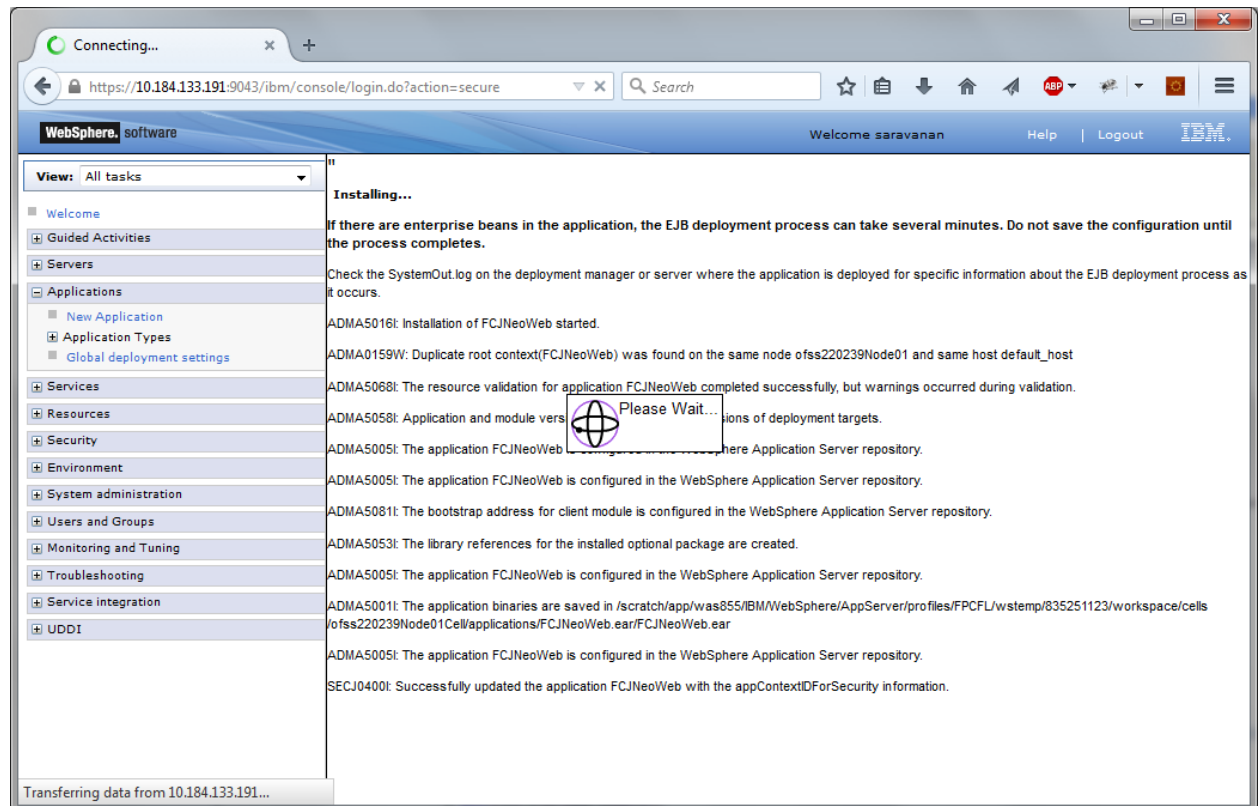
Field help
For field help information, select a field label or list marker when the help cursor is displayed.

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

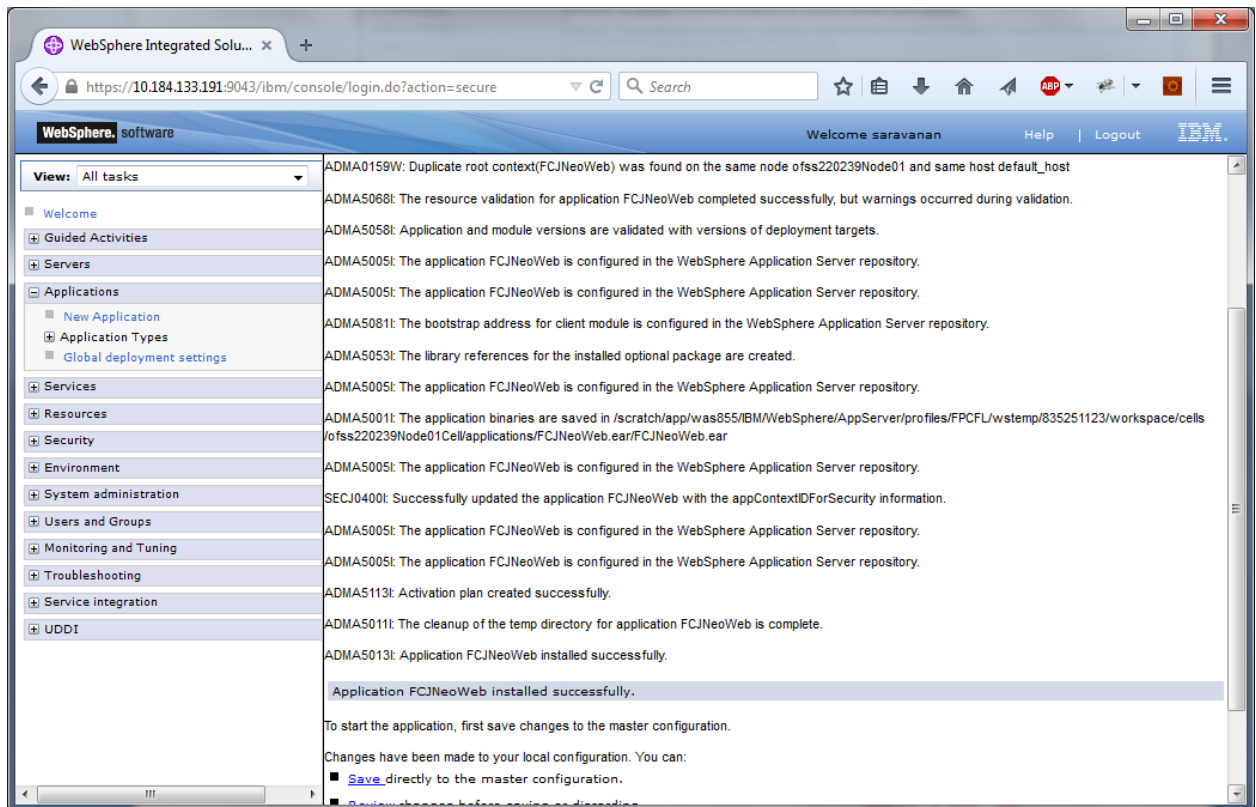
Command Assistance
[View administrative scripting command for last action](#)

14. Click 'Finish'.

The following screen is displayed.

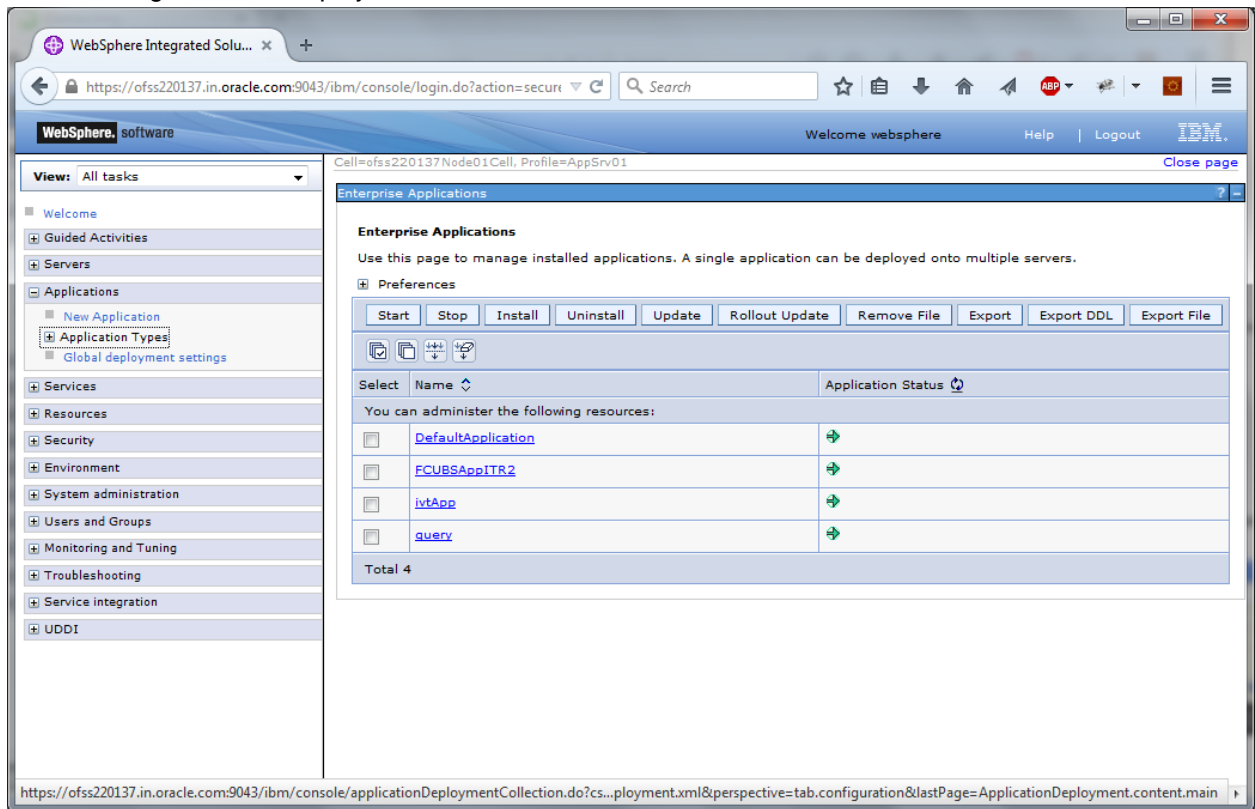


Wait for few seconds...



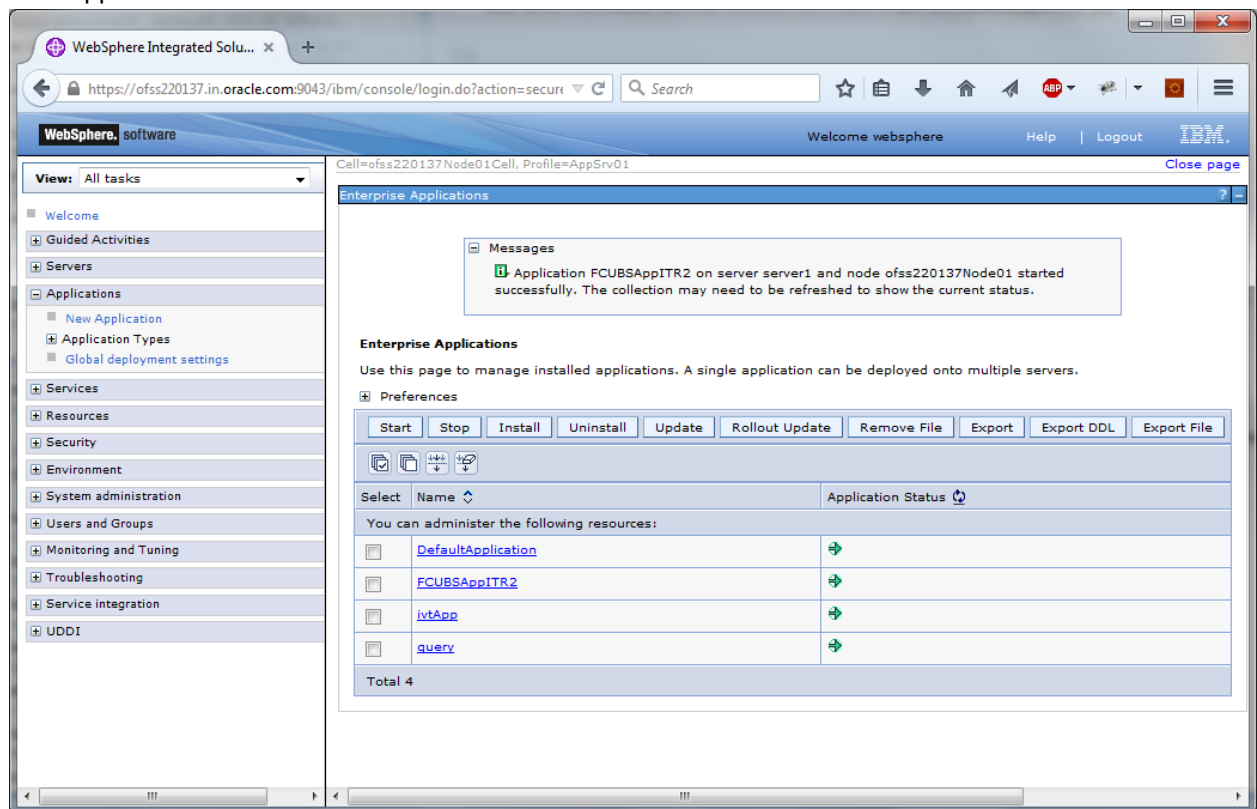
15. Click 'Save'.

The following screen is displayed.



16. Select the application and click 'Start'.

The application starts as shown below:



This completes the deployment of EAR (FCJNeoWeb.ear) on IBM WebSphere 8.5.5.0 Application Server from the Administration Console.

1.2.2 FCUBS Scheduler Application Deployment

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

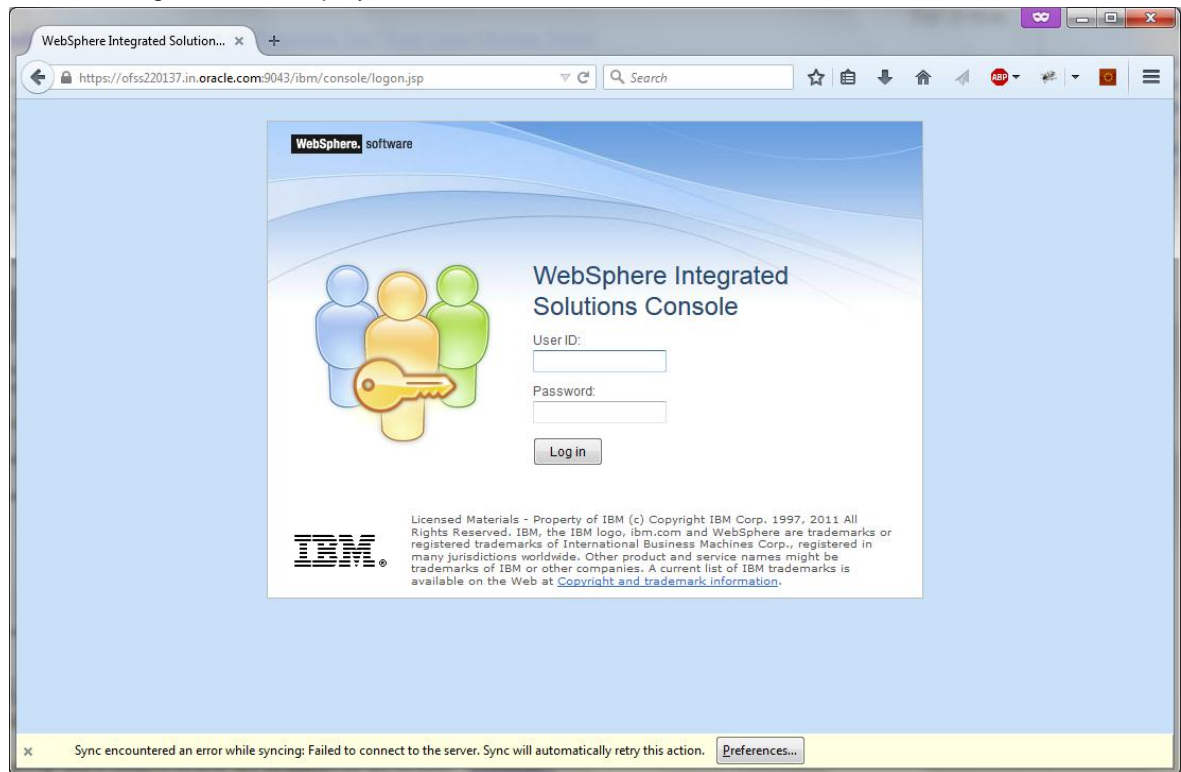
17. Open the Administrative Console of WebSphere server:

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

Eg: https://10.10.10.10:1010/console

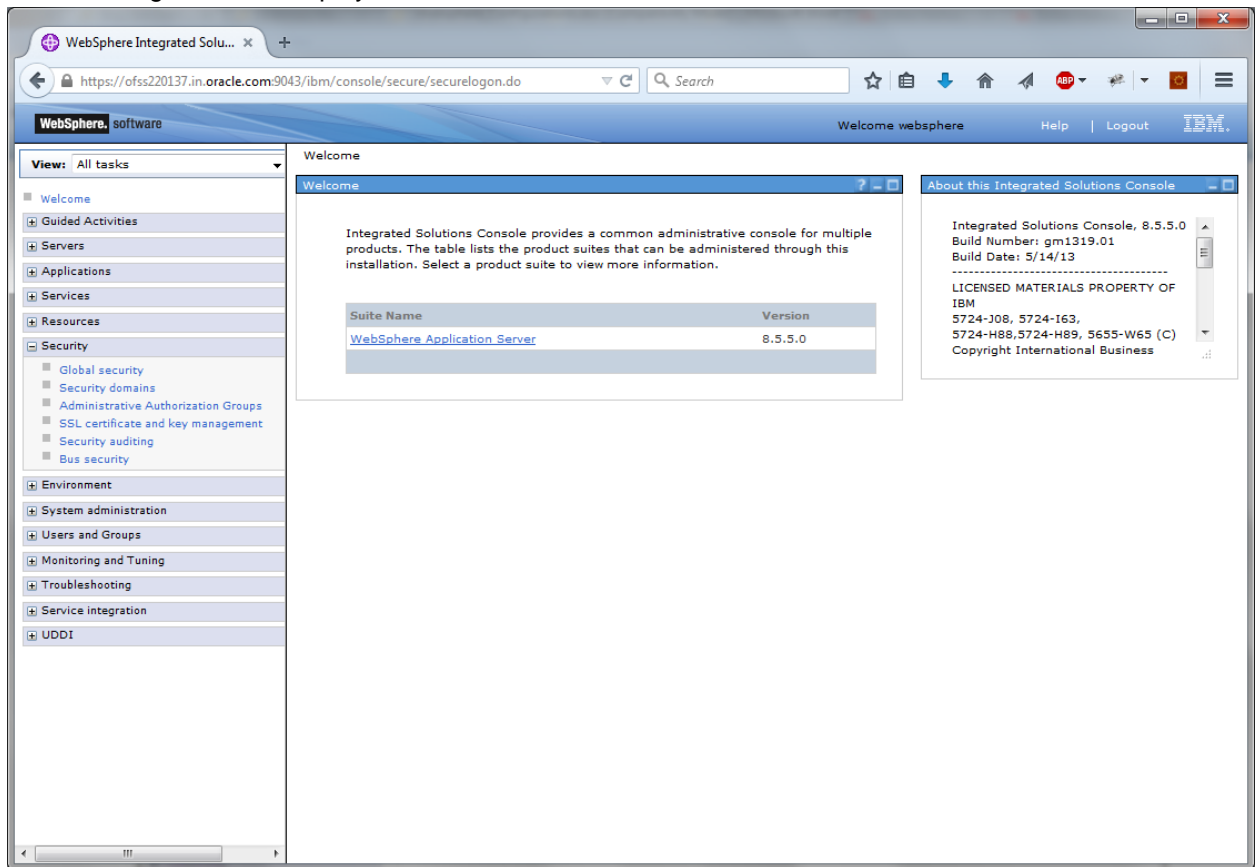
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



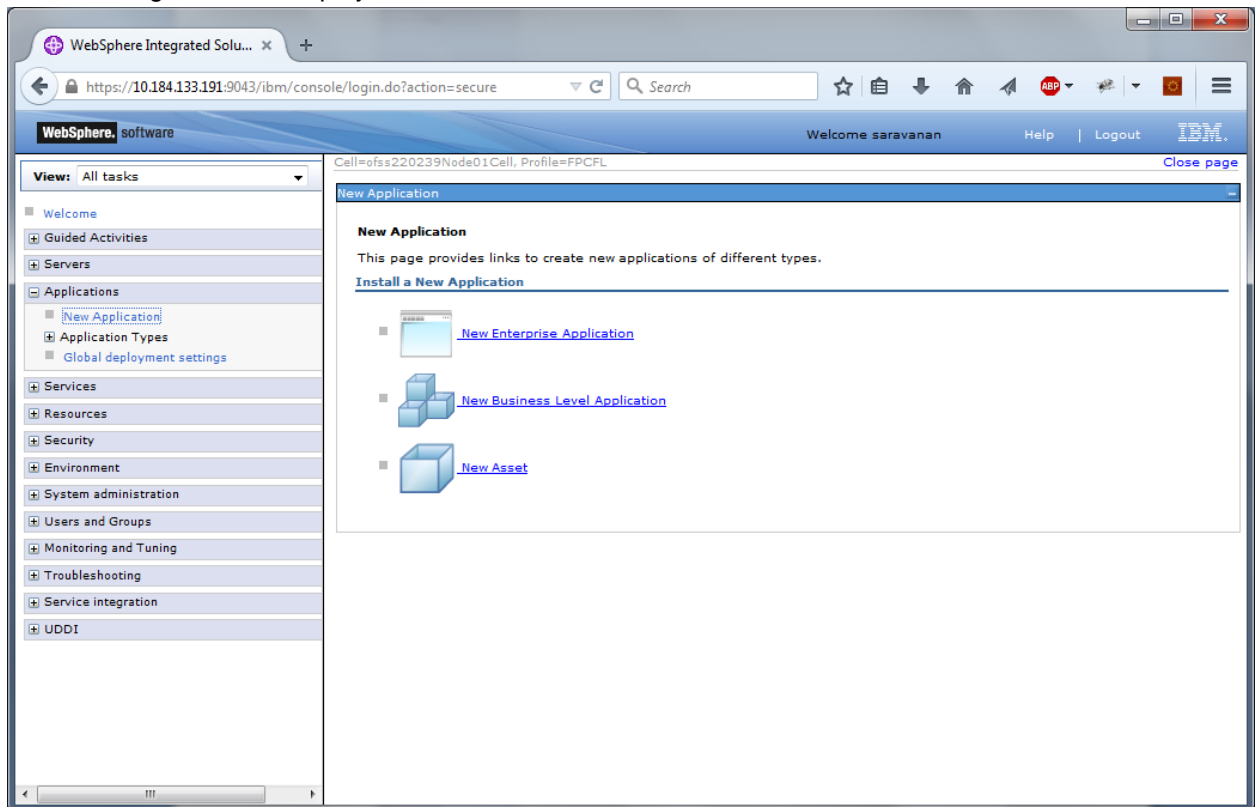
18. Enter the user name and password and click 'Log In' to log in to the application server.
19. Navigate to the WebSphere Home Page.

The following screen is displayed.

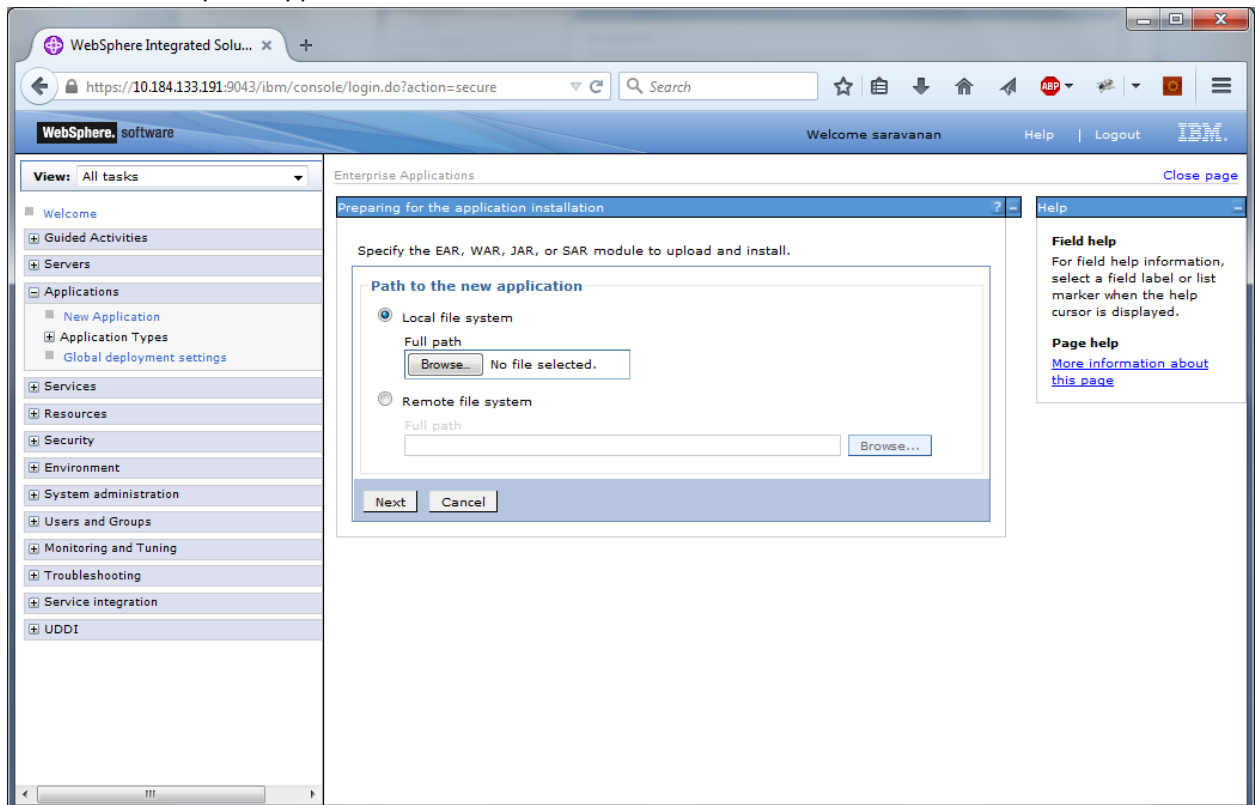


20. Expand Applications from left-side menu and Click 'New Application'.

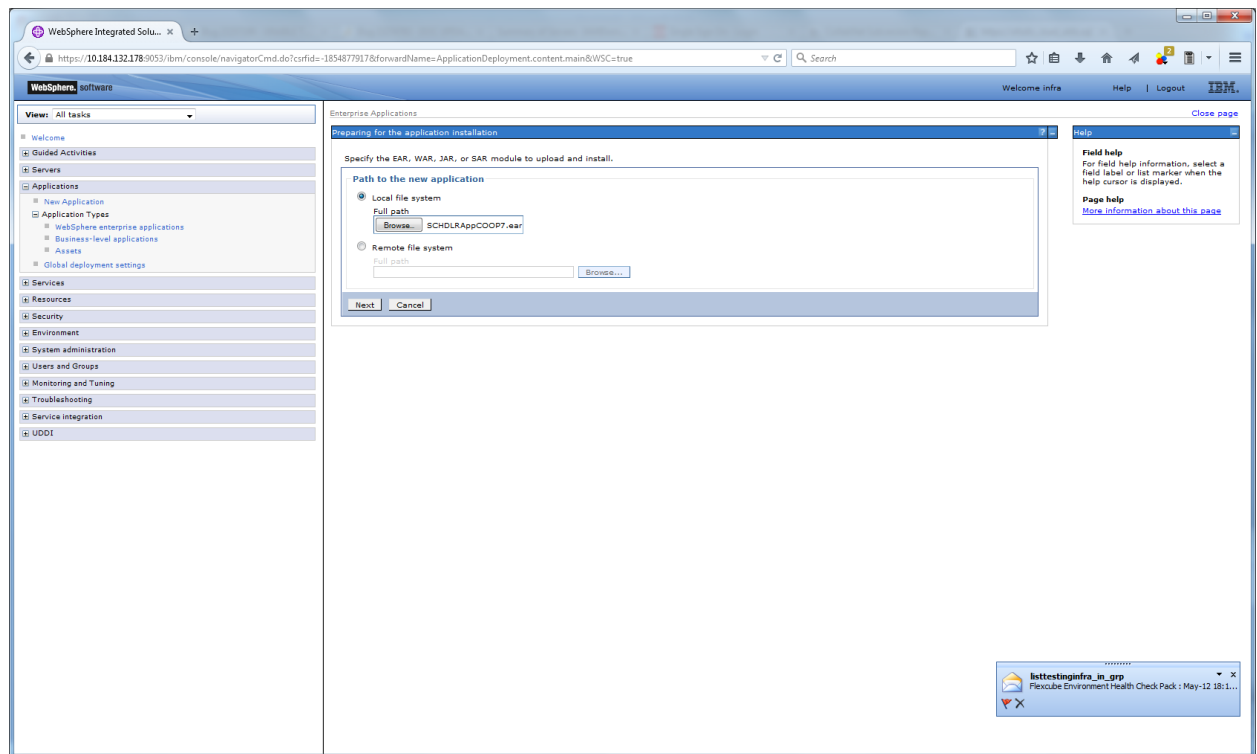
The following screen is displayed.



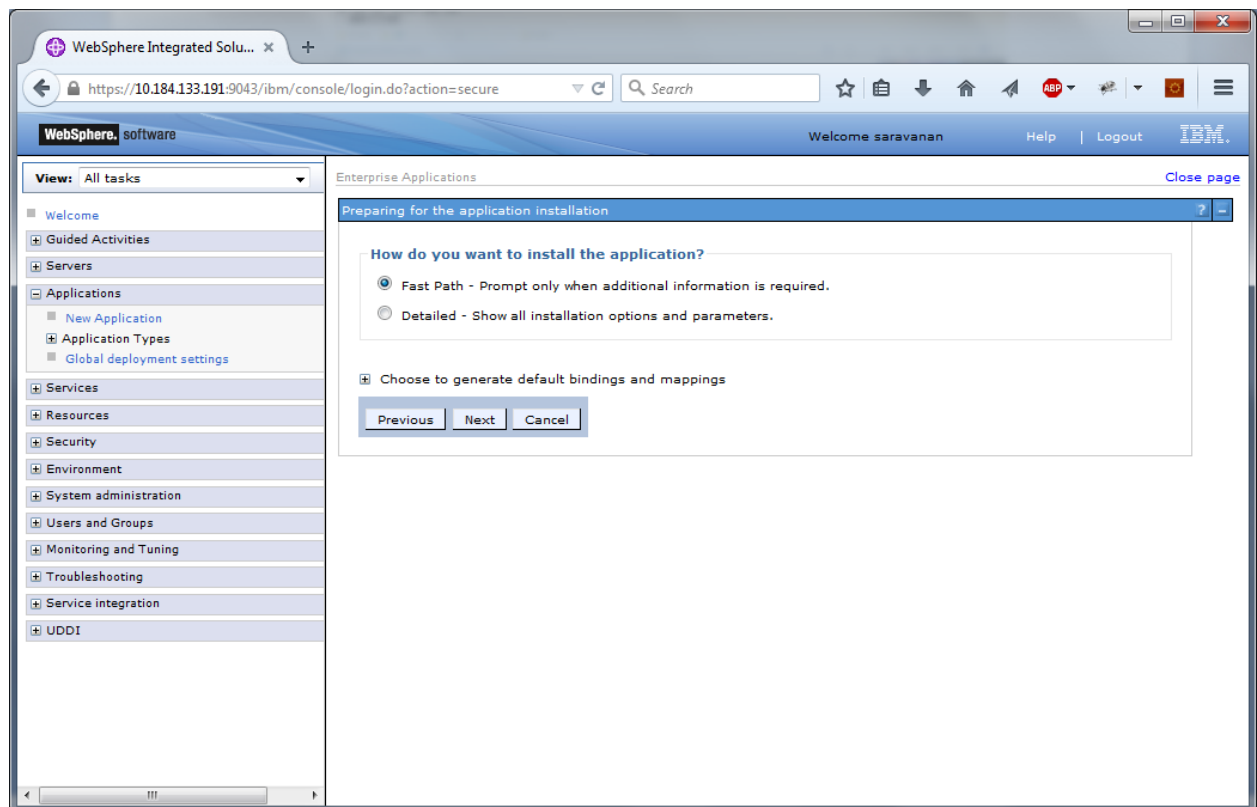
21. Click 'New Enterprise Application'.



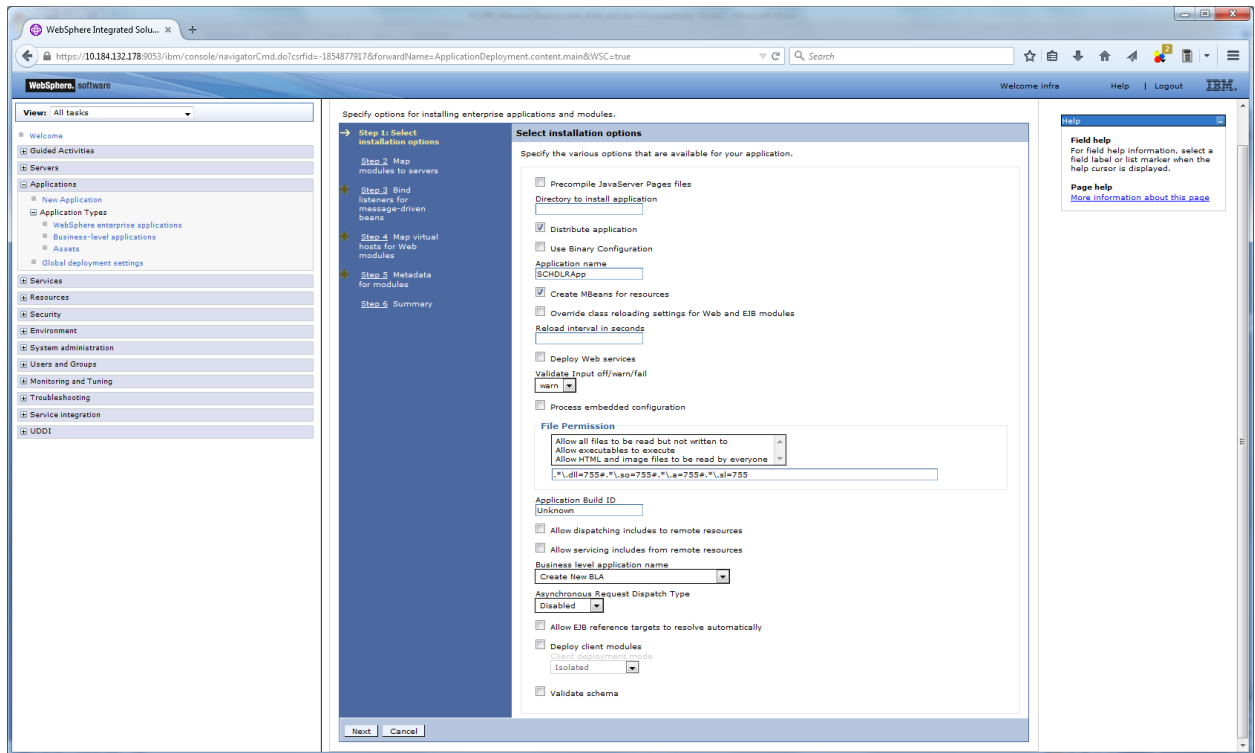
22. Browse the application EAR file and click next button



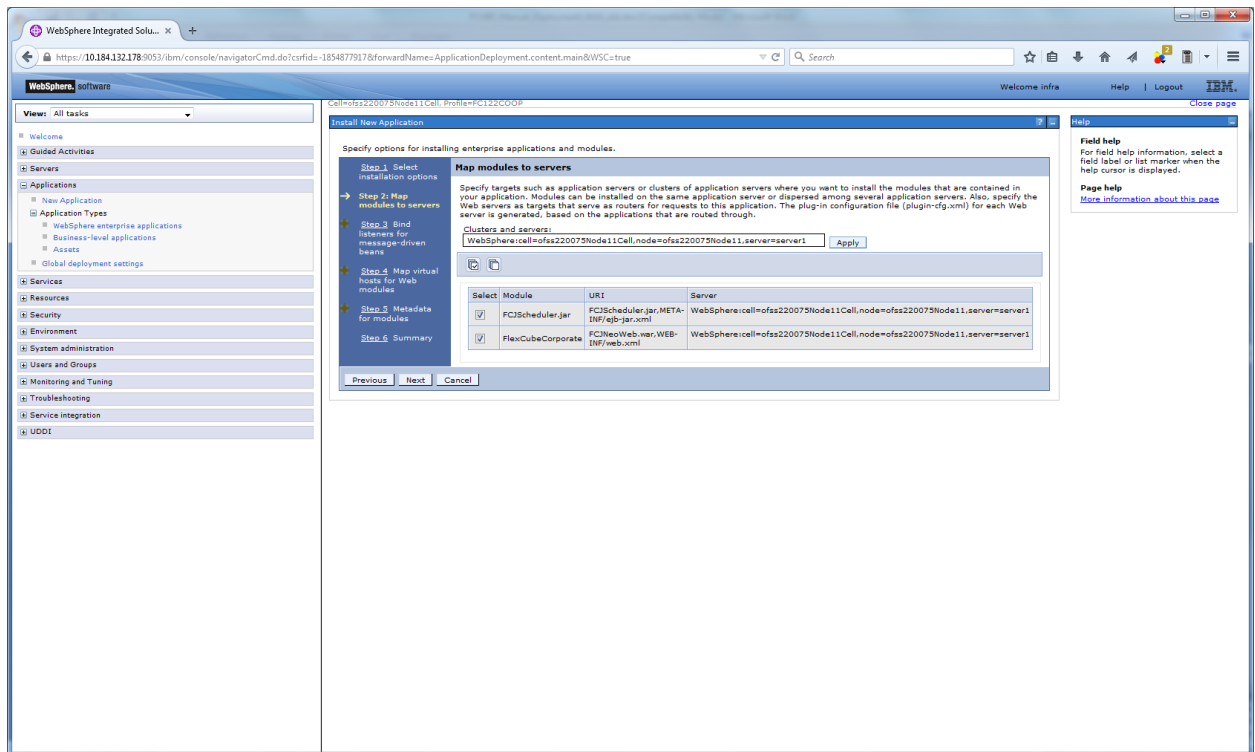
The following screen is displayed.



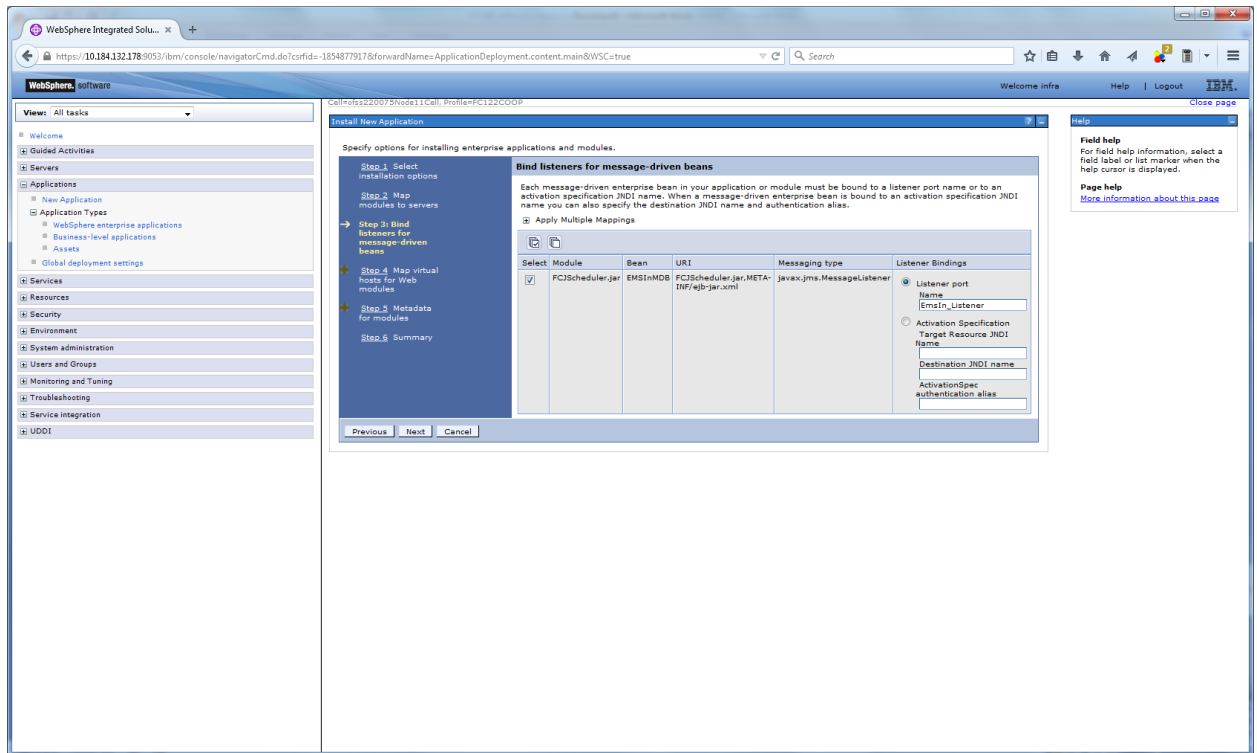
23. Click 'Next'. The following screen is displayed.



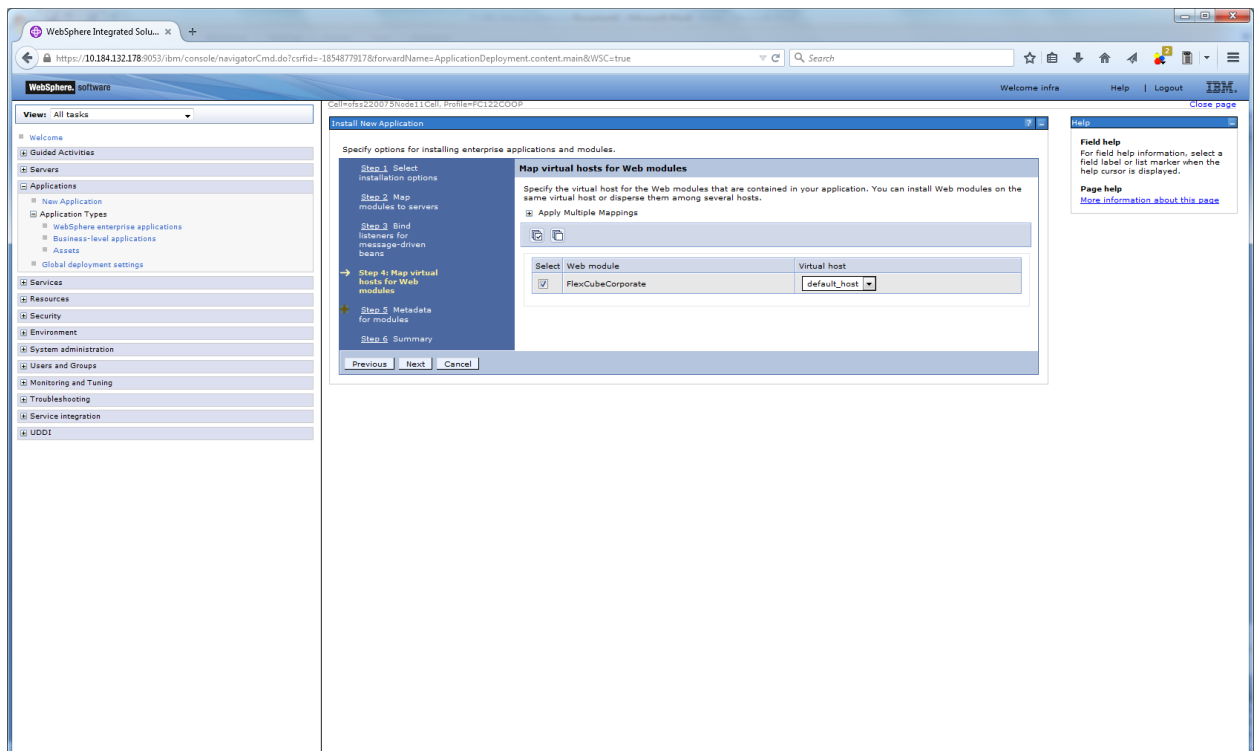
24. Enter the Application Name. This should be the application name mentioned as part of EAR building.



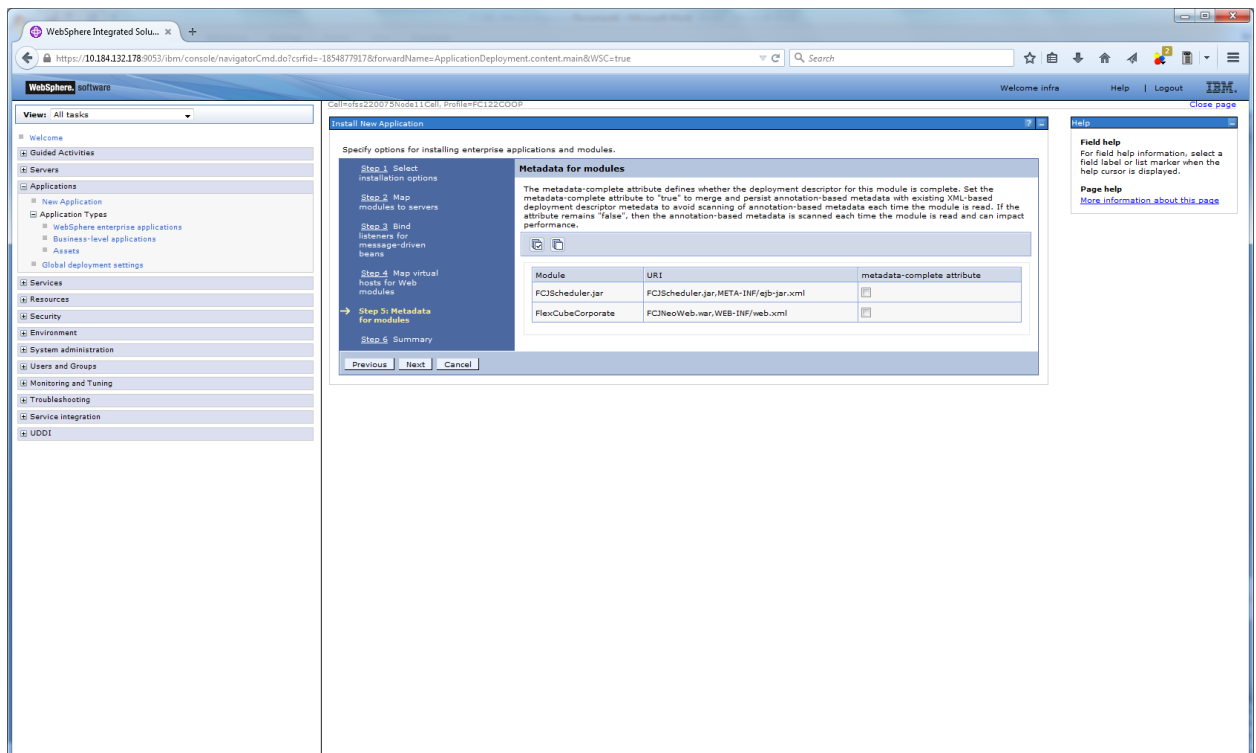
25. Check all the options. Click 'Next'. The following screen is displayed.



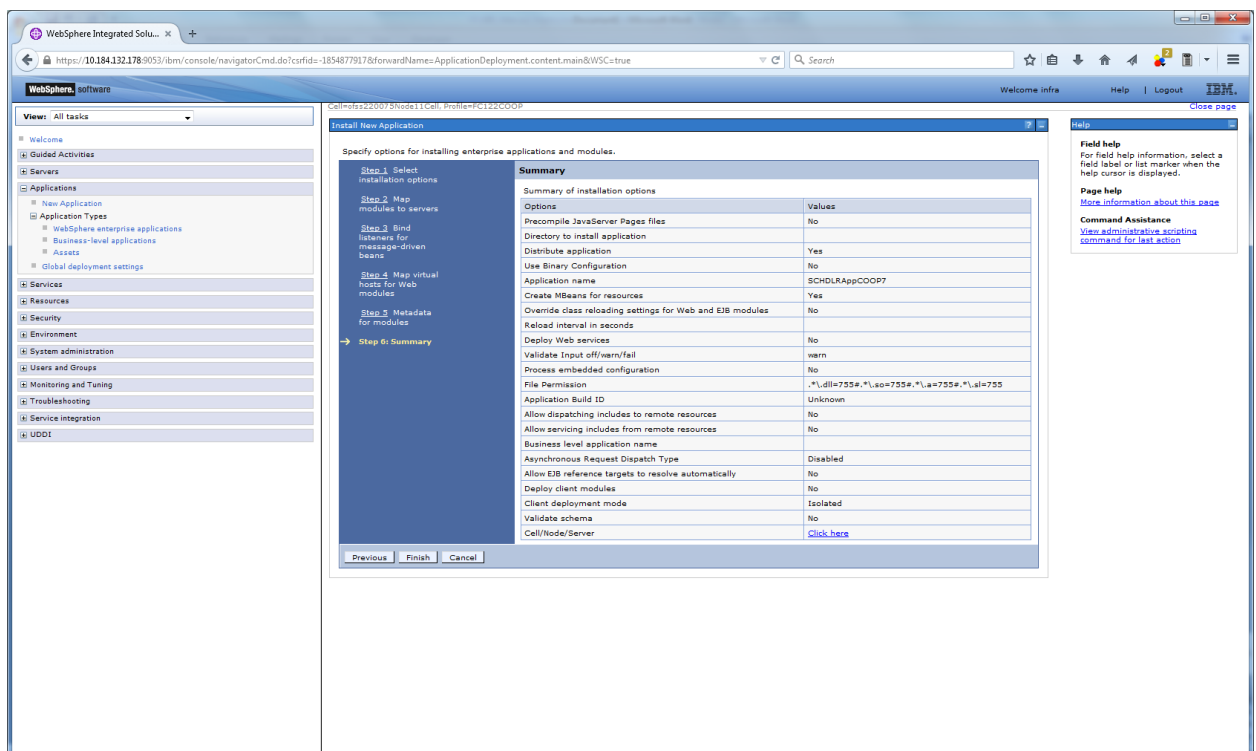
26. Specify the details as shown in the figure.



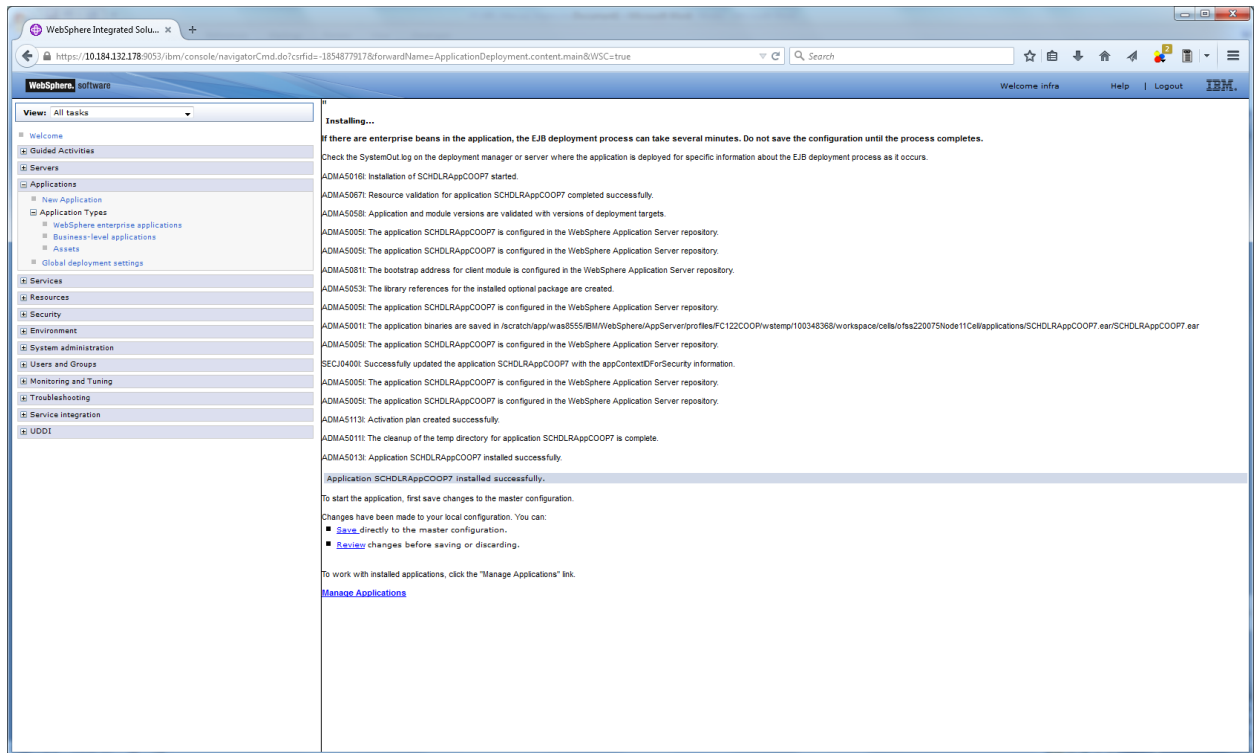
27. Click 'Next'. The following screen is displayed.



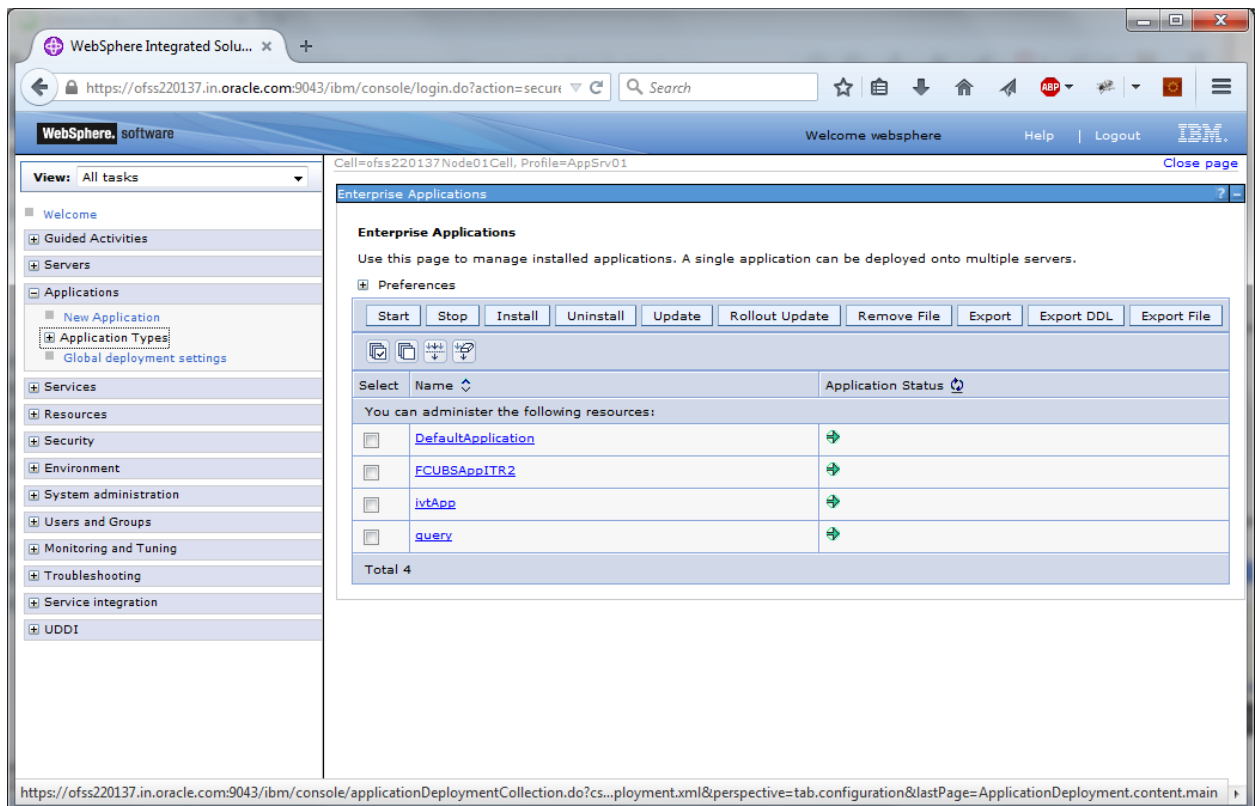
28. Click 'Next'. The following screen is displayed.



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

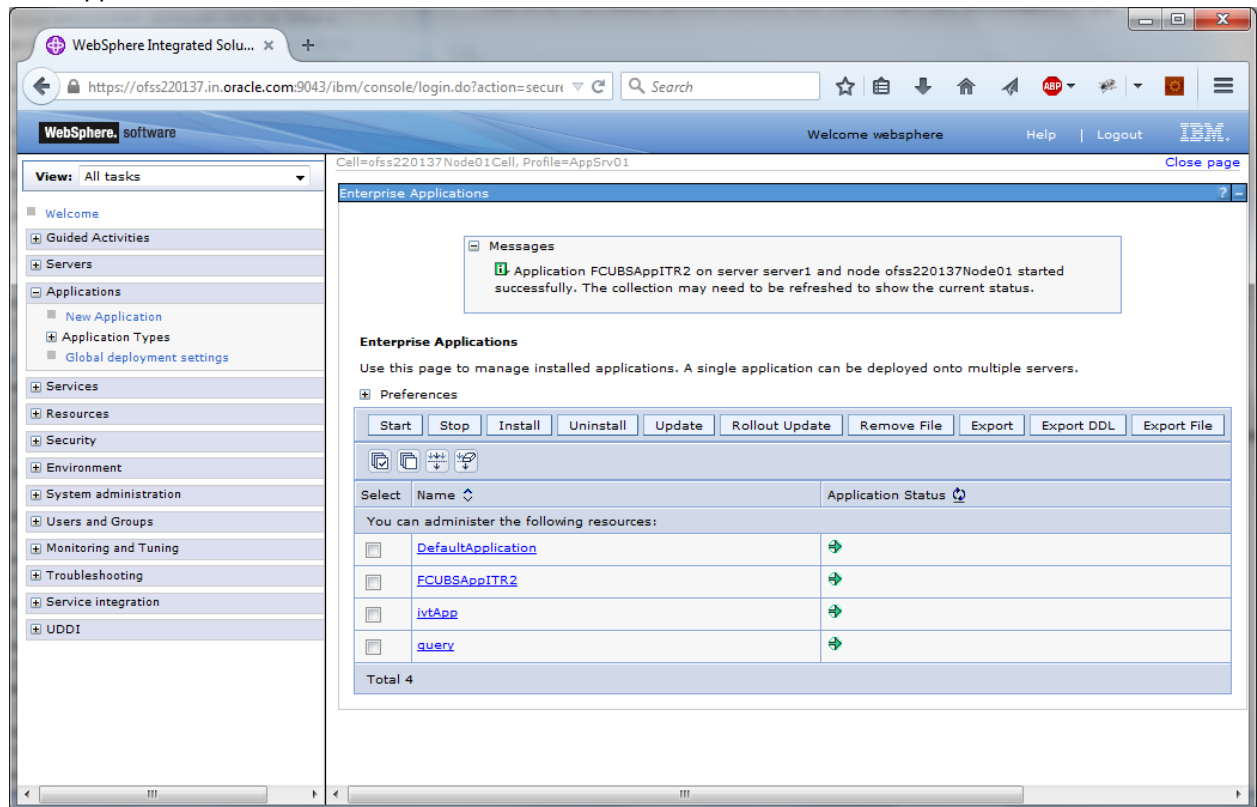


Click 'Save'. The following screen is displayed.



30. Select the application and click 'Start'.

The application starts as shown below:



1.2.3 FCUBS GWEJB Application Deployment

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

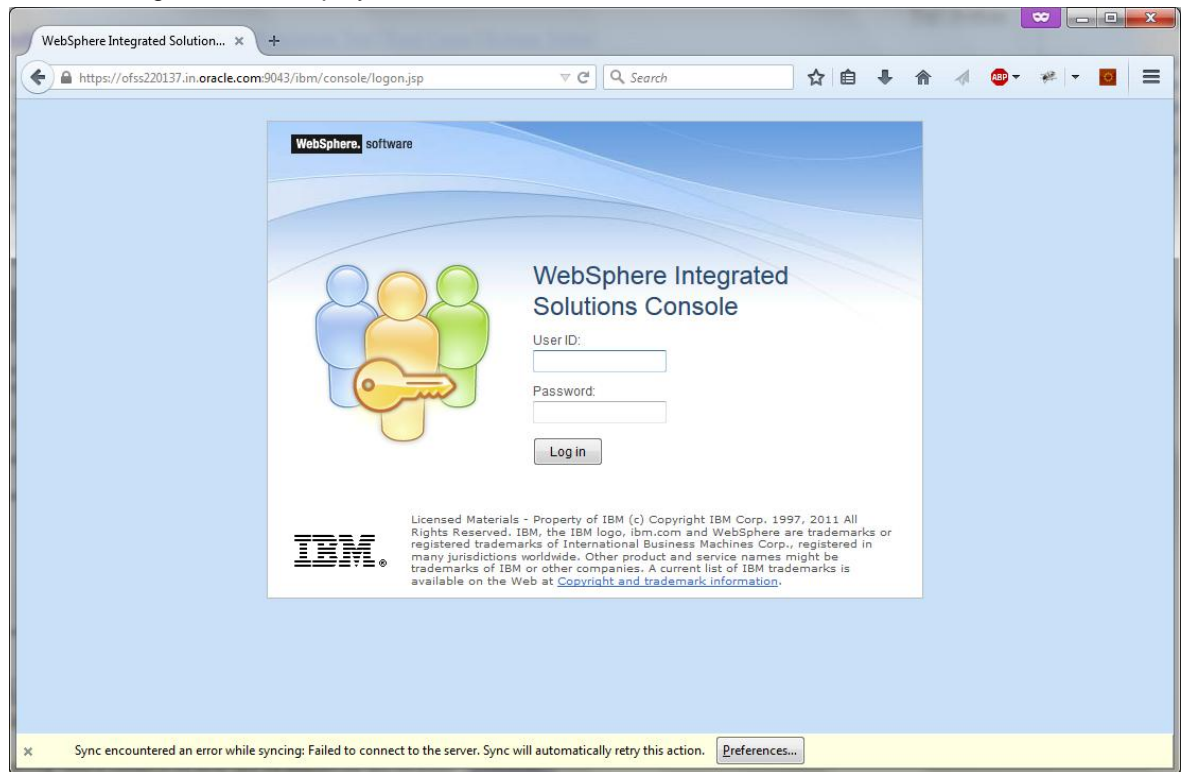
1. Open the Administrative Console of WebSphere server:

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

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

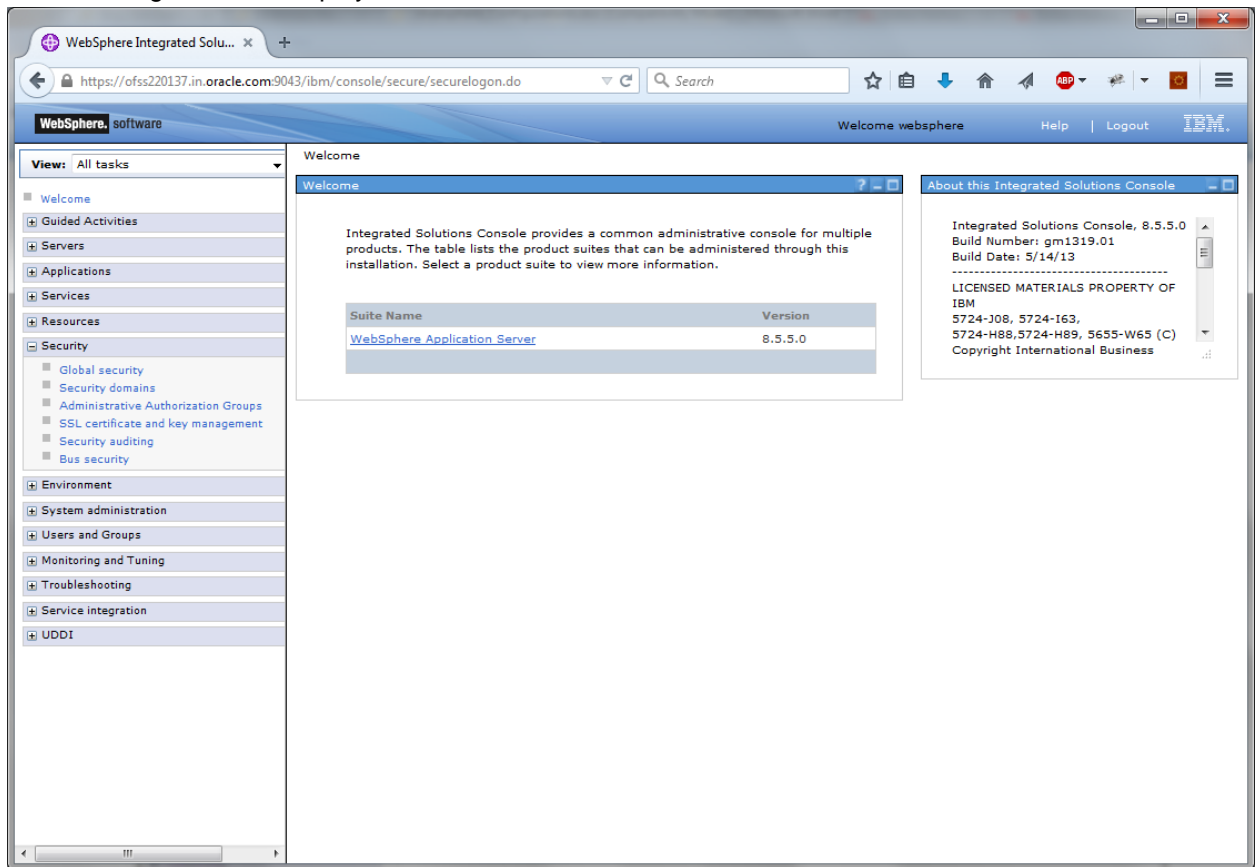
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



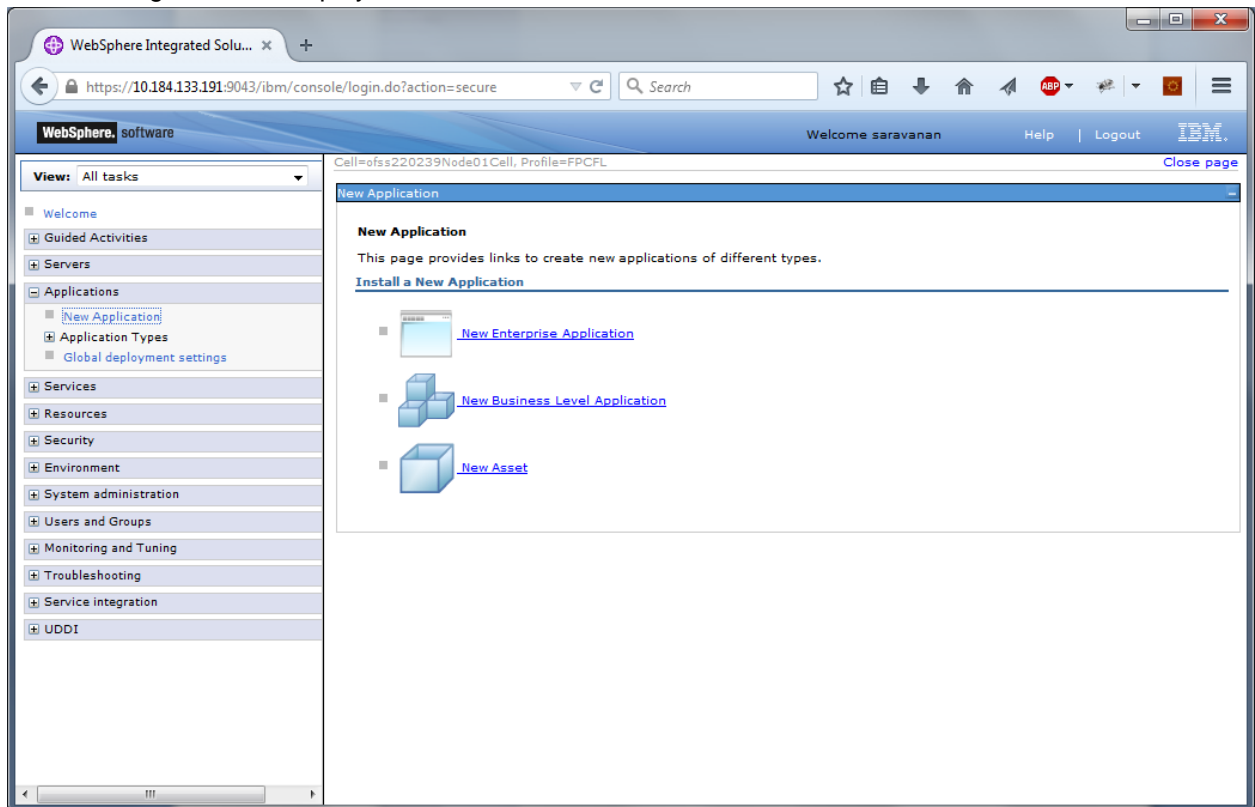
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

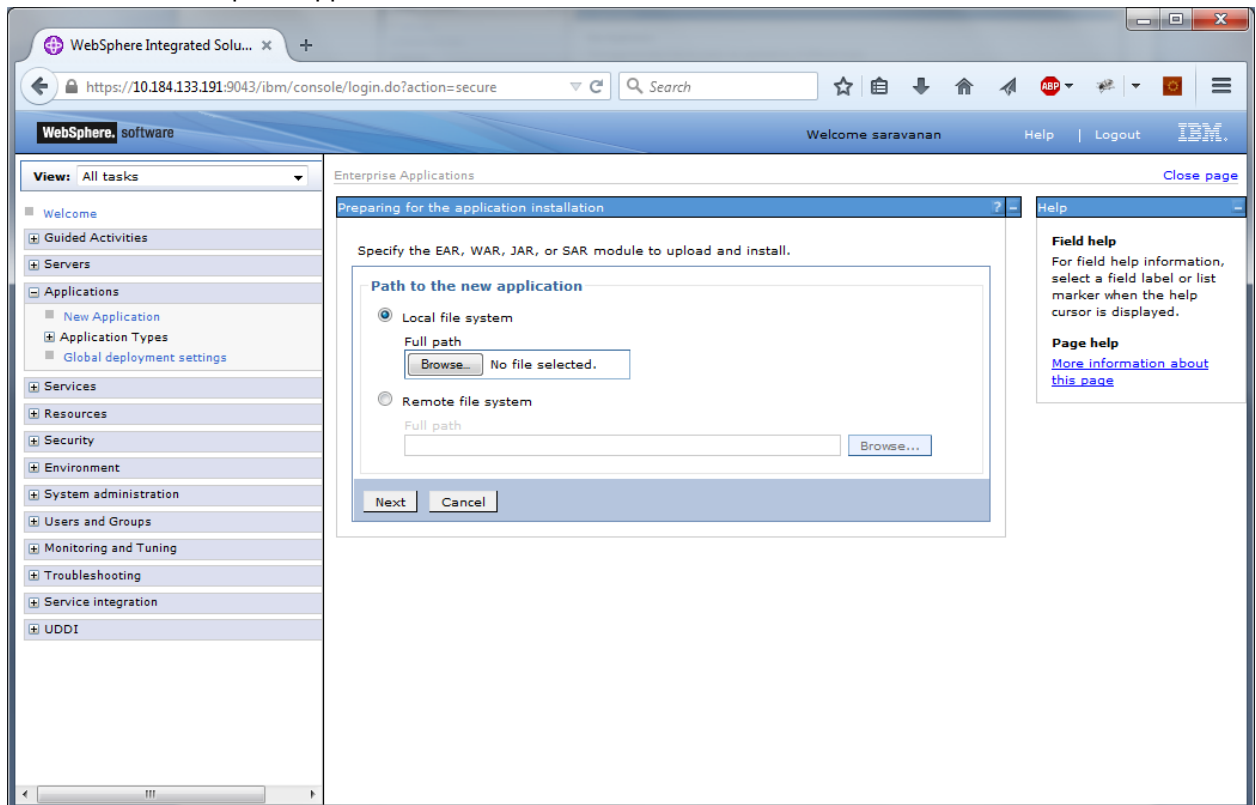


4. Expand Applications from left-side menu and Click 'New Application'.

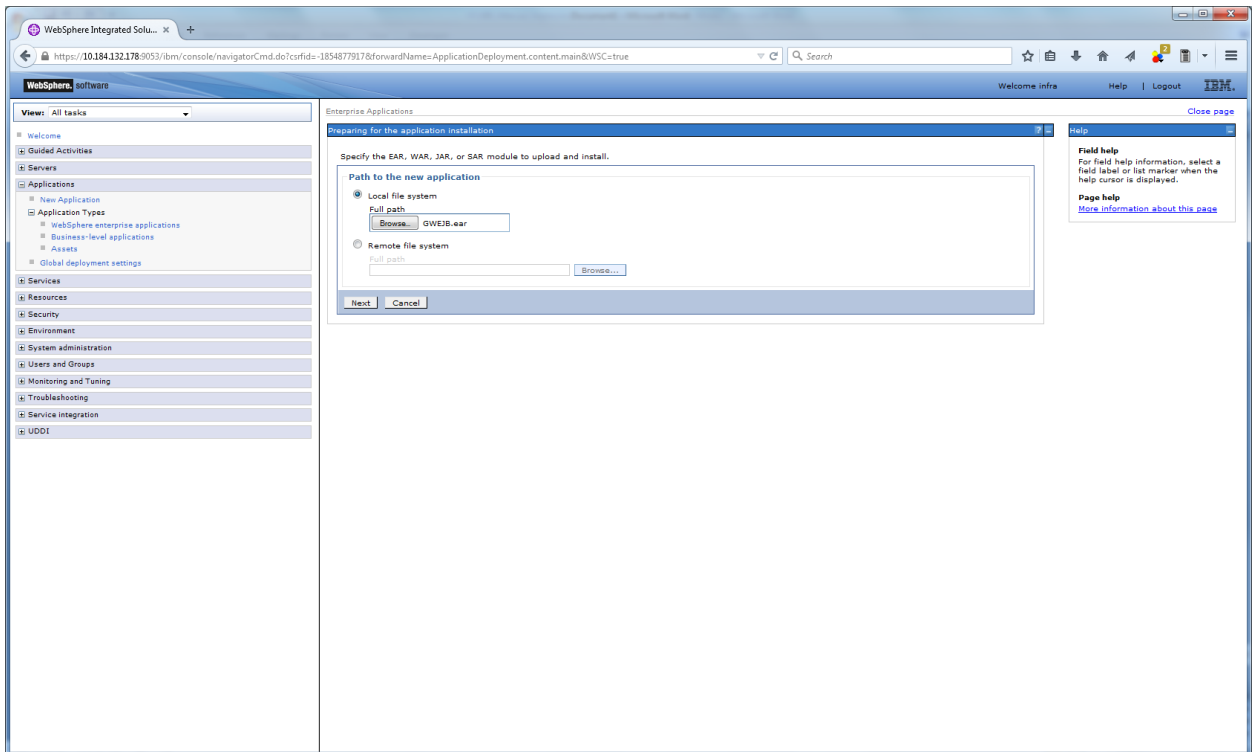
The following screen is displayed.



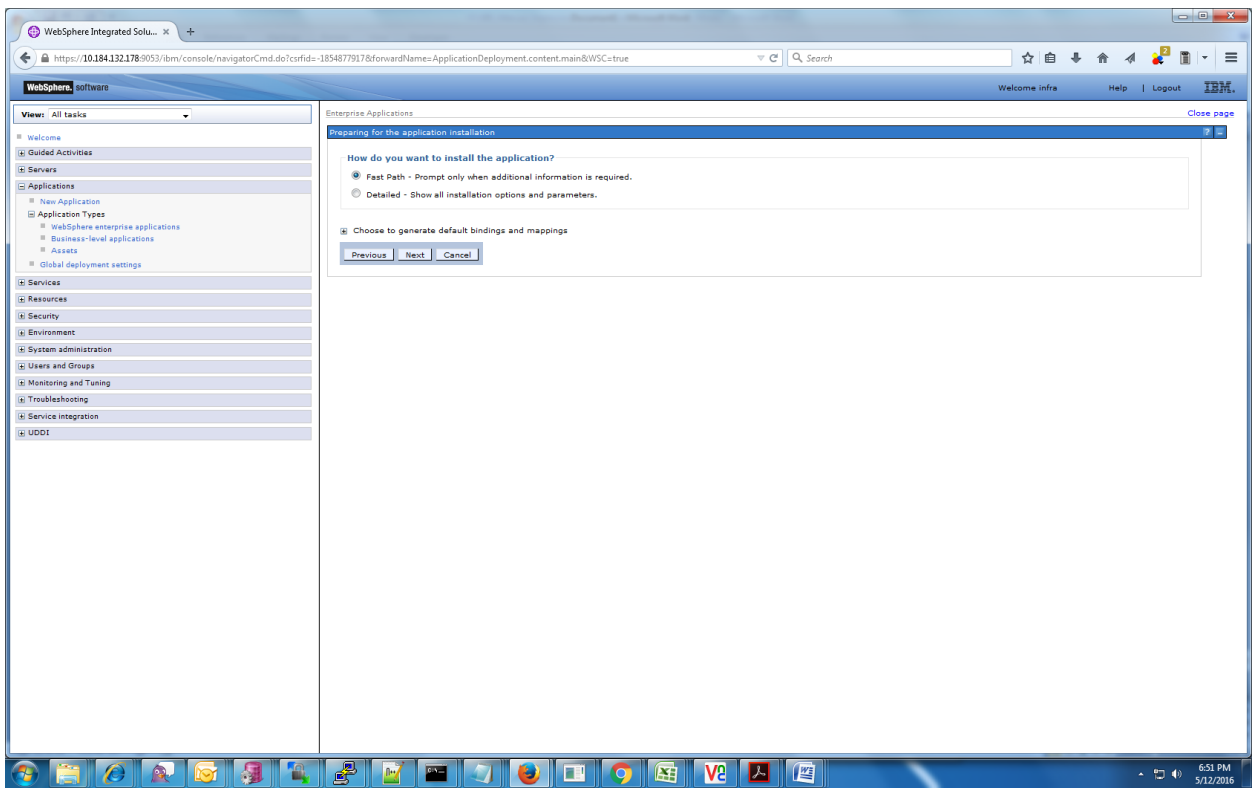
5. Click 'New Enterprise Application'.



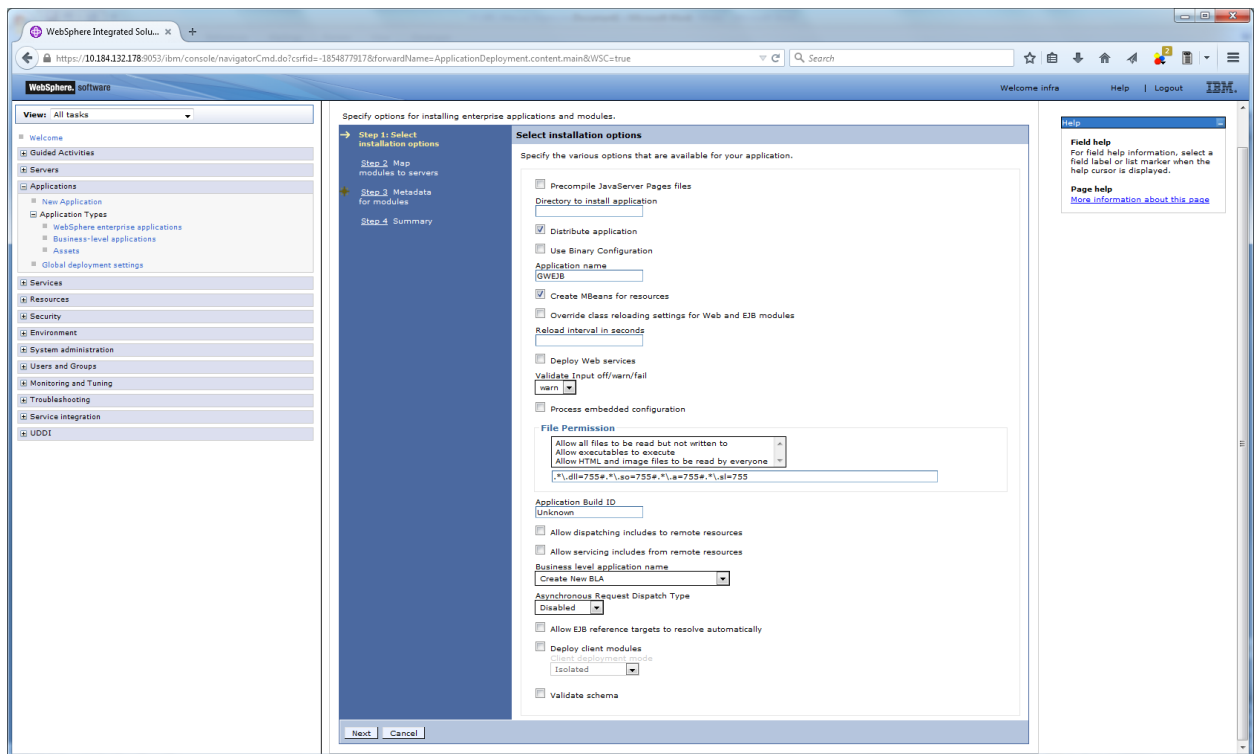
6. Browse the application EAR file and click next button



7. Click Next and the following screen is displayed.



8. Click next and the following screen is displayed.



The screenshot shows the 'Select installation options' screen in the WebSphere Integrated Solutions console. The left sidebar contains a navigation tree with 'Applications' > 'New Application' > 'Application Types' > 'WebSphere enterprise applications' selected. The main content area is titled 'Specify options for installing enterprise applications and modules.' and contains a 'Select installation options' section. This section includes checkboxes for 'Precompile JavaServer Pages files', 'Distribute application' (checked), 'Use Binary Configuration', 'Create MBeans for resources' (checked), 'Override class reloading settings for Web and EJB modules', 'Deploy Web services', 'Validate input off/warn/fail' (set to 'warn'), and 'Process embedded configuration'. There is also a 'File Permission' section with a text area containing a file permission string. At the bottom, there are 'Next' and 'Cancel' buttons.

WebSphere Integrated Solutions

Specify options for installing enterprise applications and modules.

Step 1: Select installation options
Step 2: Map modules to servers
Step 3: Metadata for modules
Step 4: Summary

Select installation options

Specify the various options that are available for your application.

☐ Precompile JavaServer Pages files

Directory to install application

☒ Distribute application

☐ Use Binary Configuration

Application name
GWEB

☒ Create MBeans for resources

☐ Override class reloading settings for Web and EJB modules

Reload interval in seconds

☐ Deploy Web services

Validate input off/warn/fail
warn

☐ Process embedded configuration

File Permission

Allow all files to be read but not written to
Allow executables to execute
Allow HTML and image files to be read by everyone

Application Build ID
Unknown

☐ Allow dispatching includes to remote resources

☐ Allow servicing includes from remote resources

Business level application name

Create New SLS

Asynchronous Request Dispatch Type
Disabled

☐ Allow EJB reference targets to resolve automatically

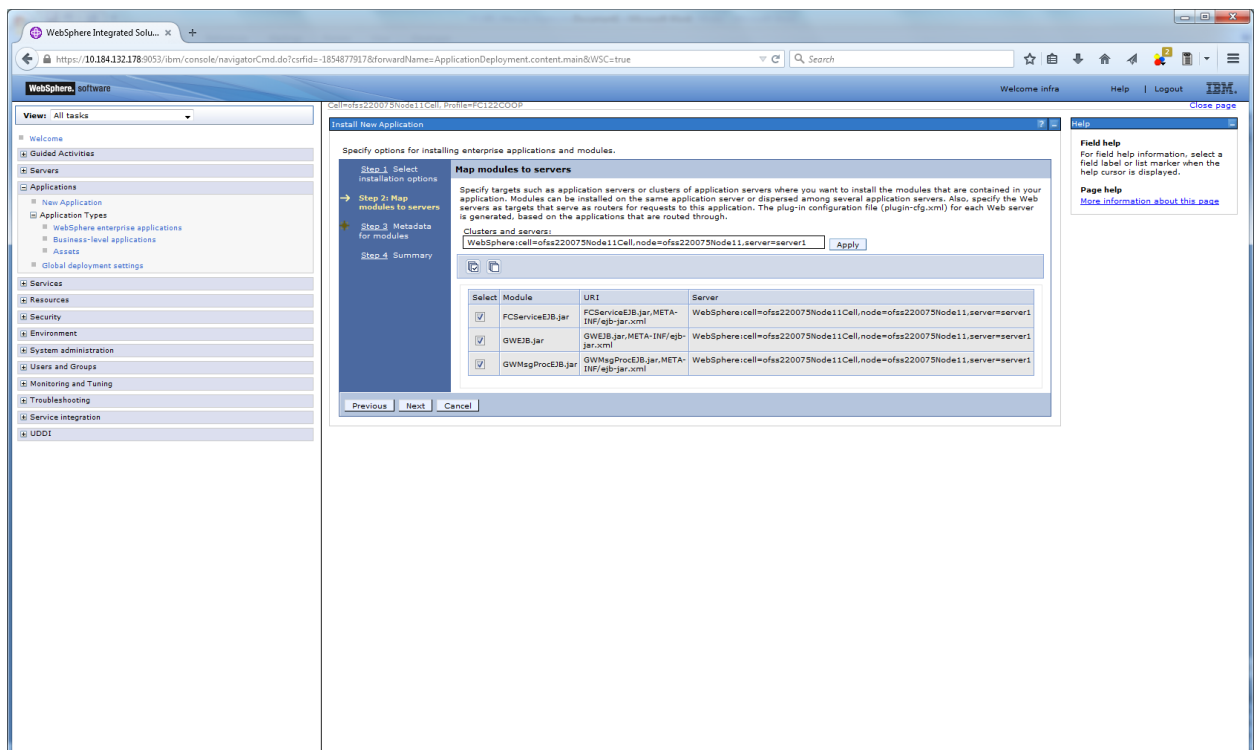
☐ Deploy client modules

Isolated

☐ Validate schema

Next Cancel

9. Click next and the following screen is displayed.



The screenshot shows the 'Map modules to servers' screen in the WebSphere Integrated Solutions console. The left sidebar is the same as in the previous screen. The main content area is titled 'Specify options for installing enterprise applications and modules.' and contains a 'Map modules to servers' section. This section includes a 'Clusters and servers' section with a text area containing a server name. Below this is a table with columns 'Select', 'Module', 'URI', and 'Server'. The table contains three rows of modules: 'PCServiceEJB.jar', 'GWEB.jar', and 'GWMagProcEJB.jar'. At the bottom, there are 'Previous', 'Next', and 'Cancel' buttons.

WebSphere Integrated Solutions

Specify options for installing enterprise applications and modules.

Step 1: Select installation options
Step 2: Map modules to servers
Step 3: Metadata for modules
Step 4: Summary

Map modules to servers

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

Clusters and servers

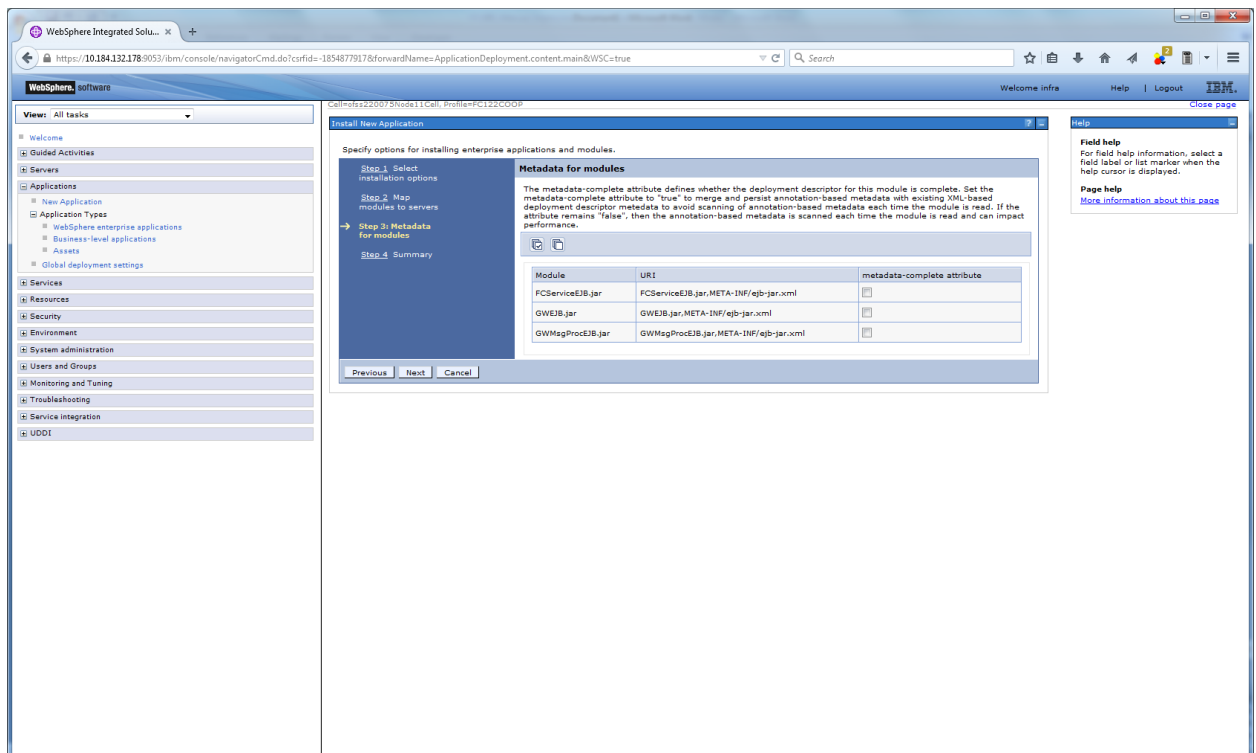
WebSphere:cell=ofas220075Node11Cell,node=ofas220075Node11.server=server1

Apply

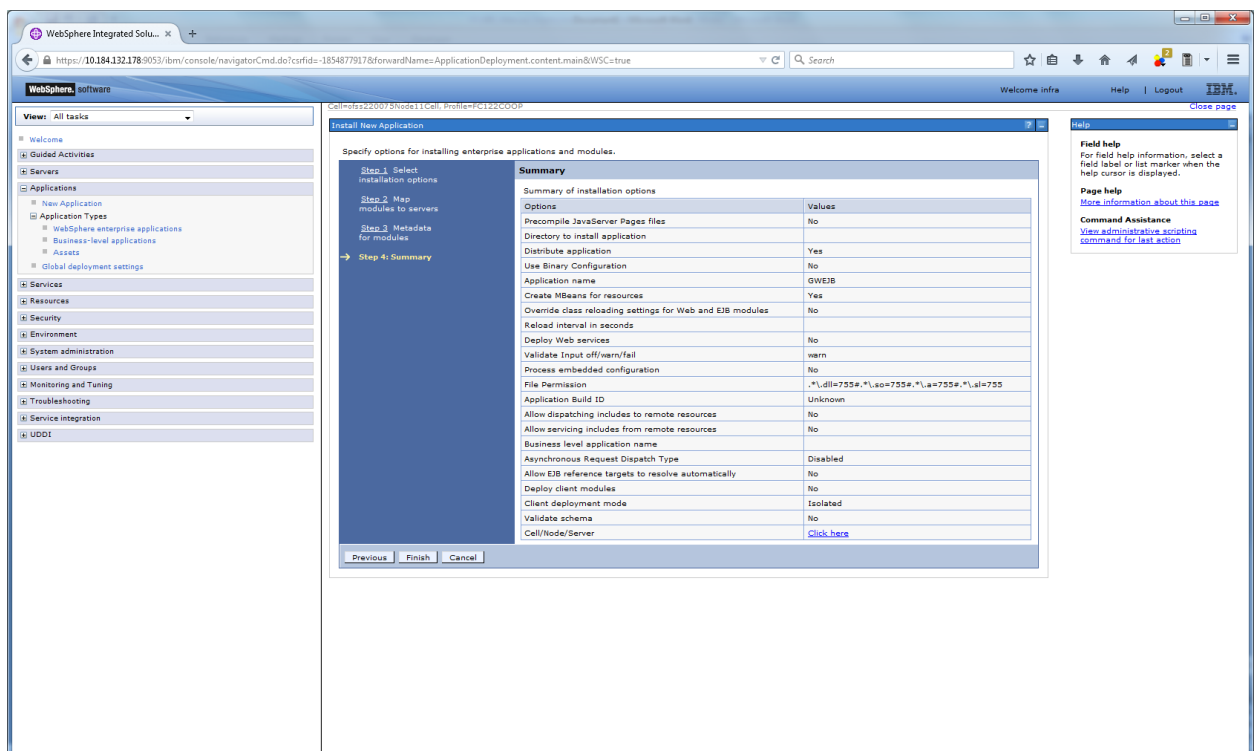
Select	Module	URI	Server
<input checked="" type="checkbox"/>	PCServiceEJB.jar	PCServiceEJB.jar.META-INF/egb-jar.xml	WebSphere:cell=ofas220075Node11Cell,node=ofas220075Node11.server=server1
<input checked="" type="checkbox"/>	GWEB.jar	GWEB.jar.META-INF/egb-jar.xml	WebSphere:cell=ofas220075Node11Cell,node=ofas220075Node11.server=server1
<input checked="" type="checkbox"/>	GWMagProcEJB.jar	GWMagProcEJB.jar.META-INF/egb-jar.xml	WebSphere:cell=ofas220075Node11Cell,node=ofas220075Node11.server=server1

Previous Next Cancel

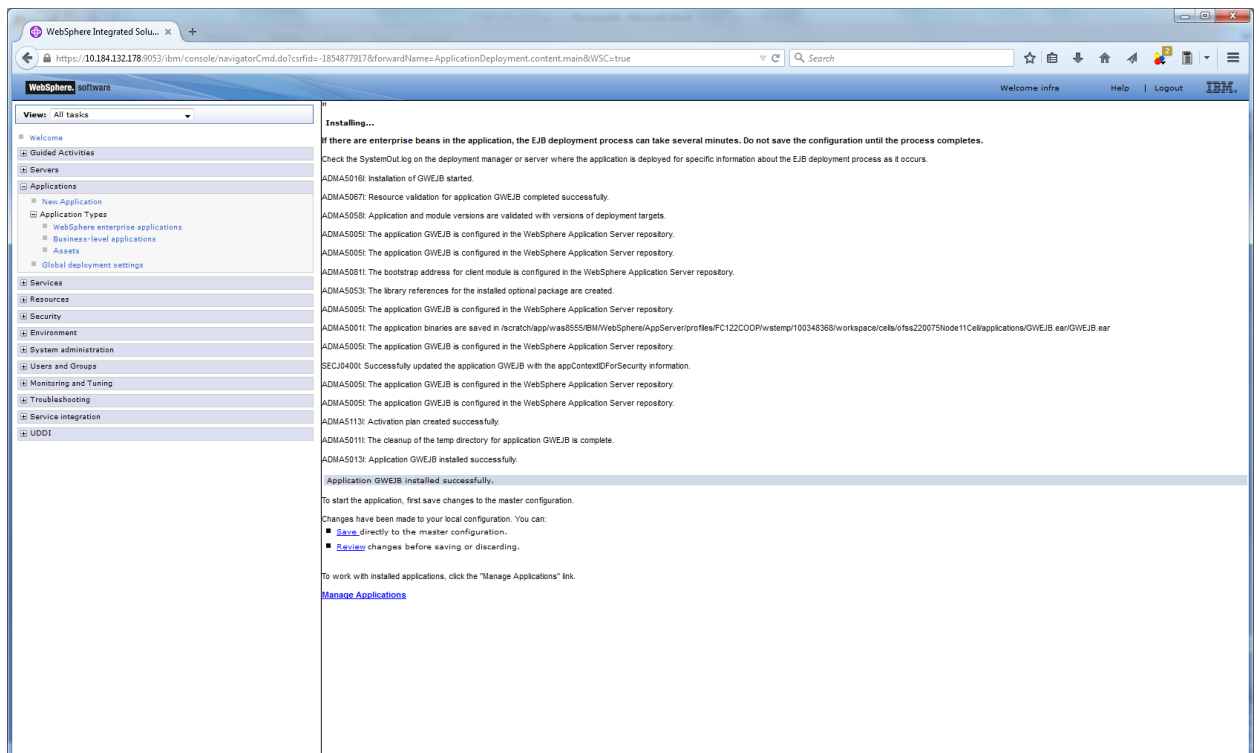
10. click next and the following Screen is displayed.



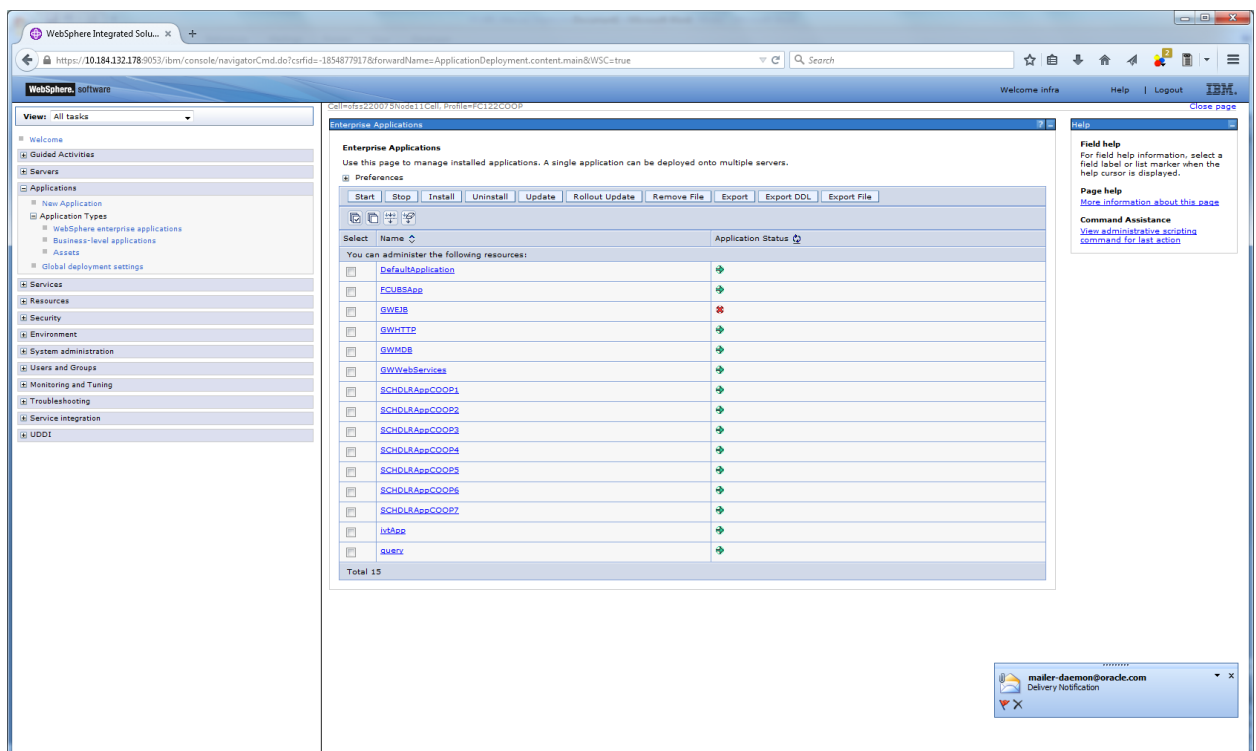
11. Click next and the following screen is displayed.



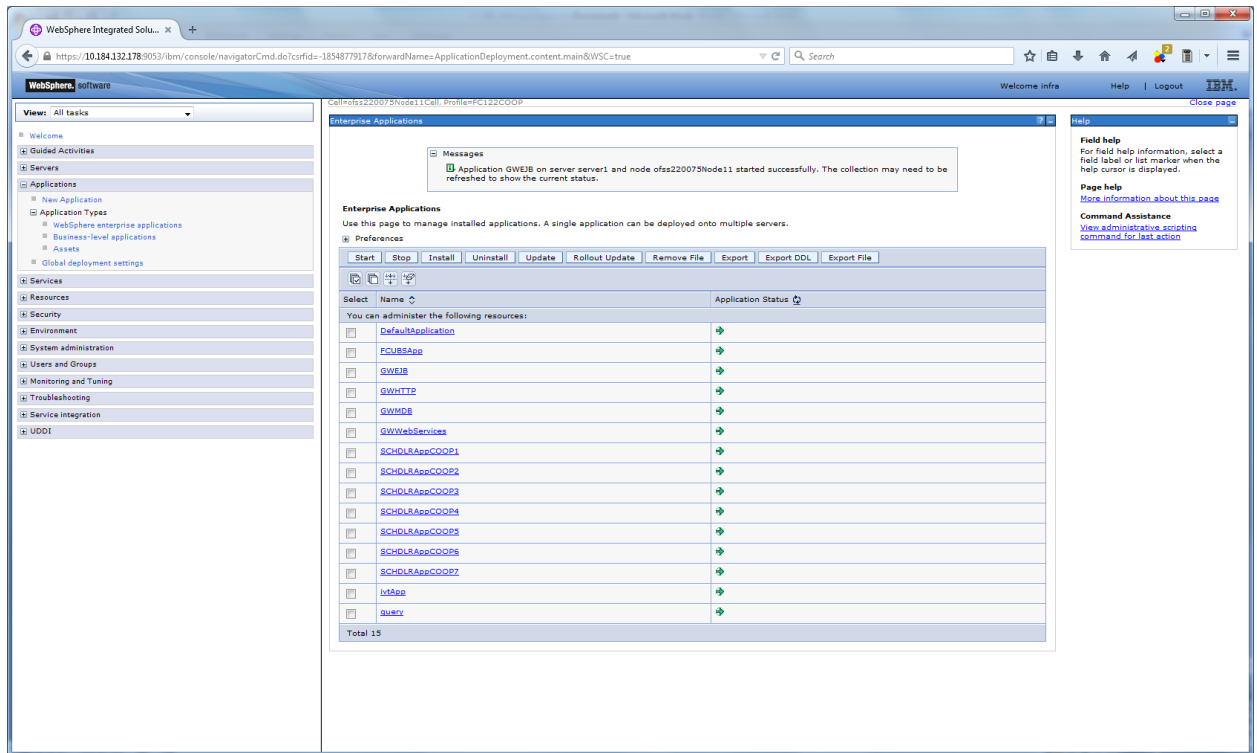
12. Click on finish and the following screen is displayed.



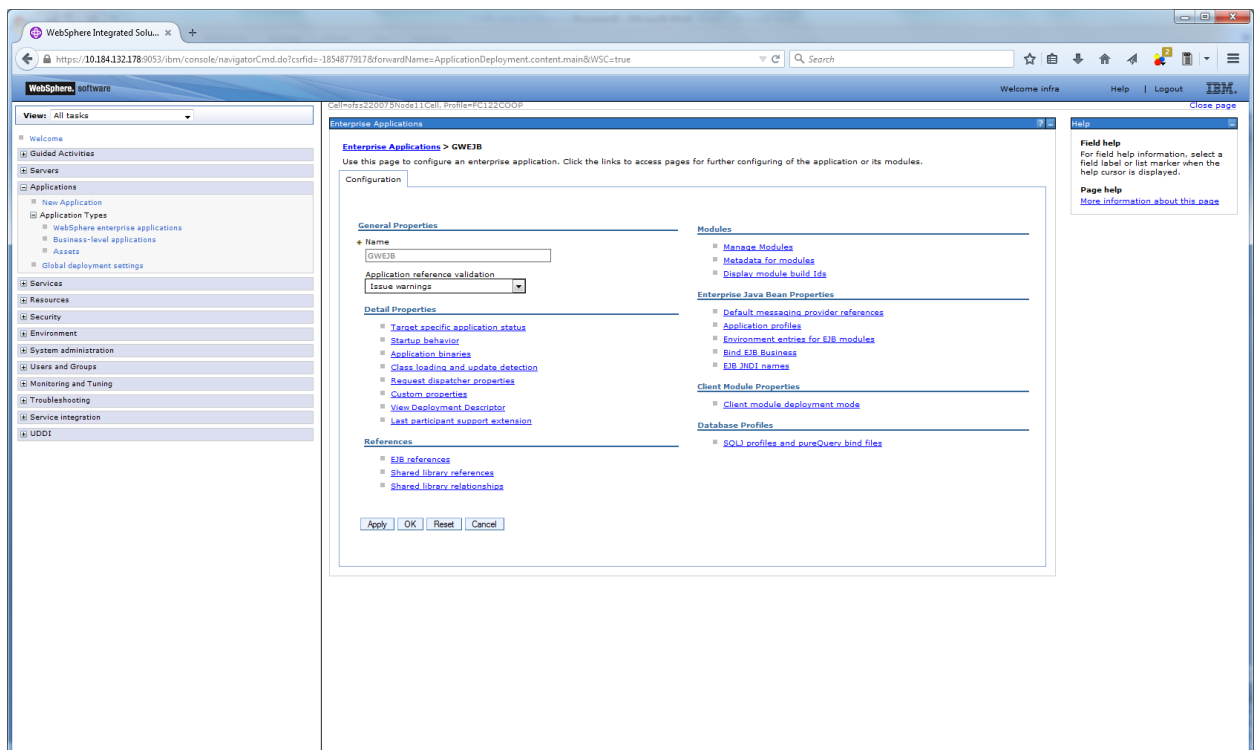
13. Click on save and the following screen is displayed.



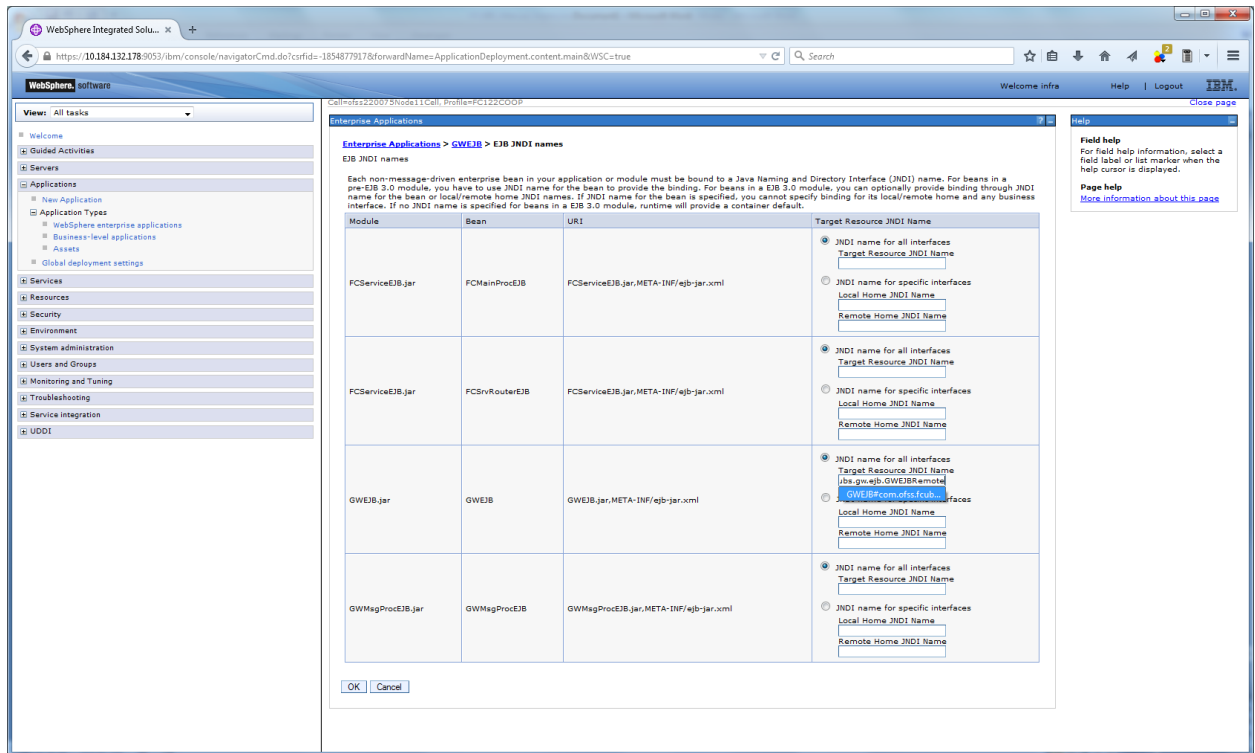
31. Select the deployed application and click on start



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

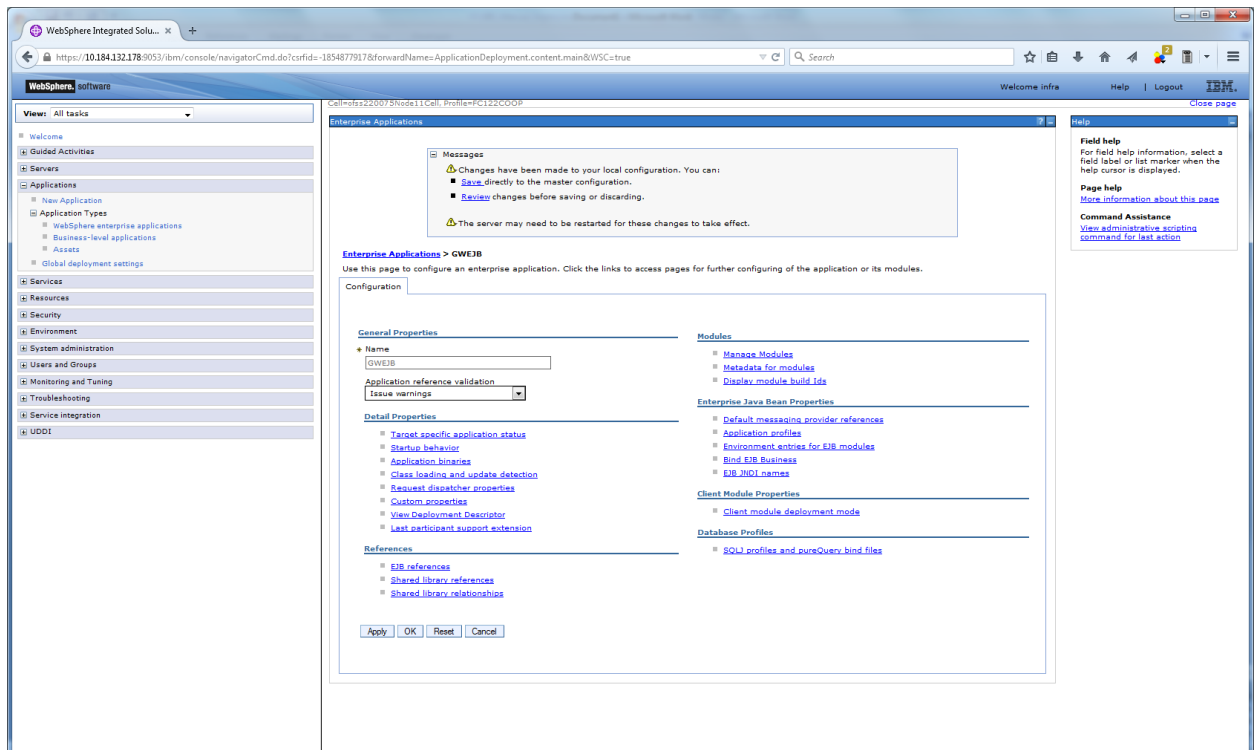


33. Click on EJB JNDI names and the following screen is displayed.



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

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



35. Click on save and the deployment is finished.

1.2.4 FCUBS GWMDB Application Deployment

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

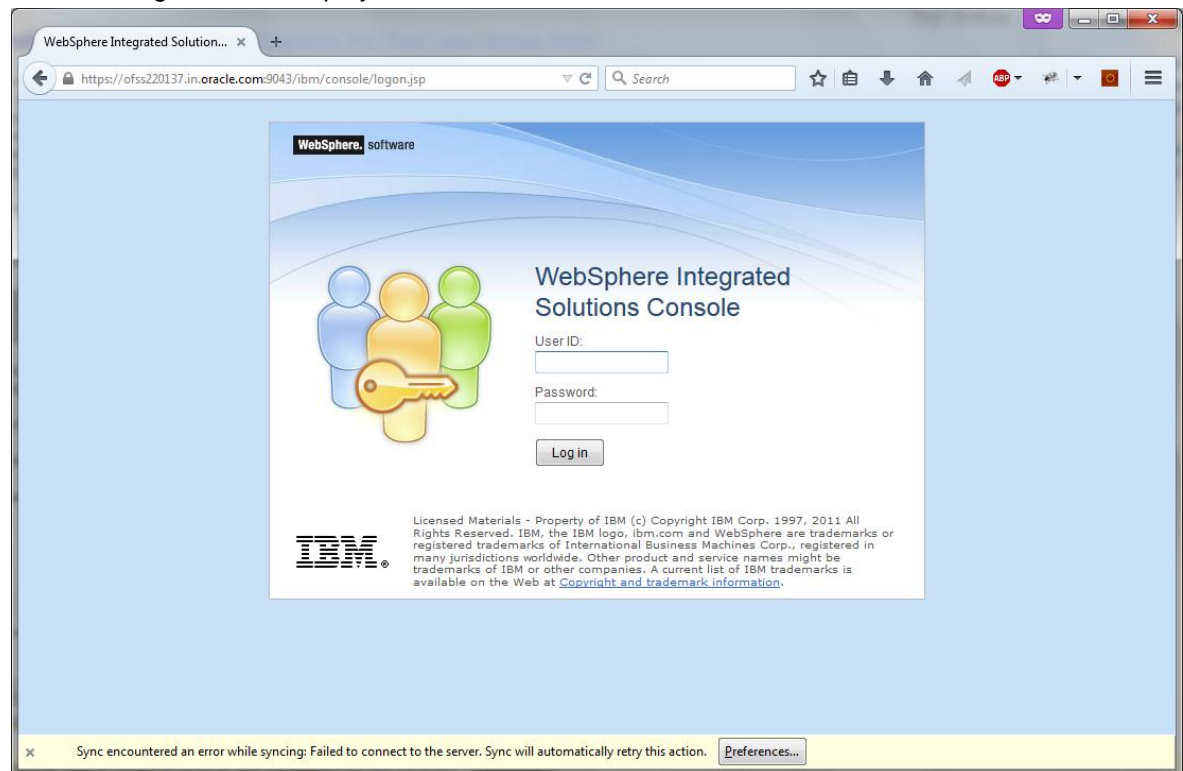
1. Open the Administrative Console of WebSphere server:

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.

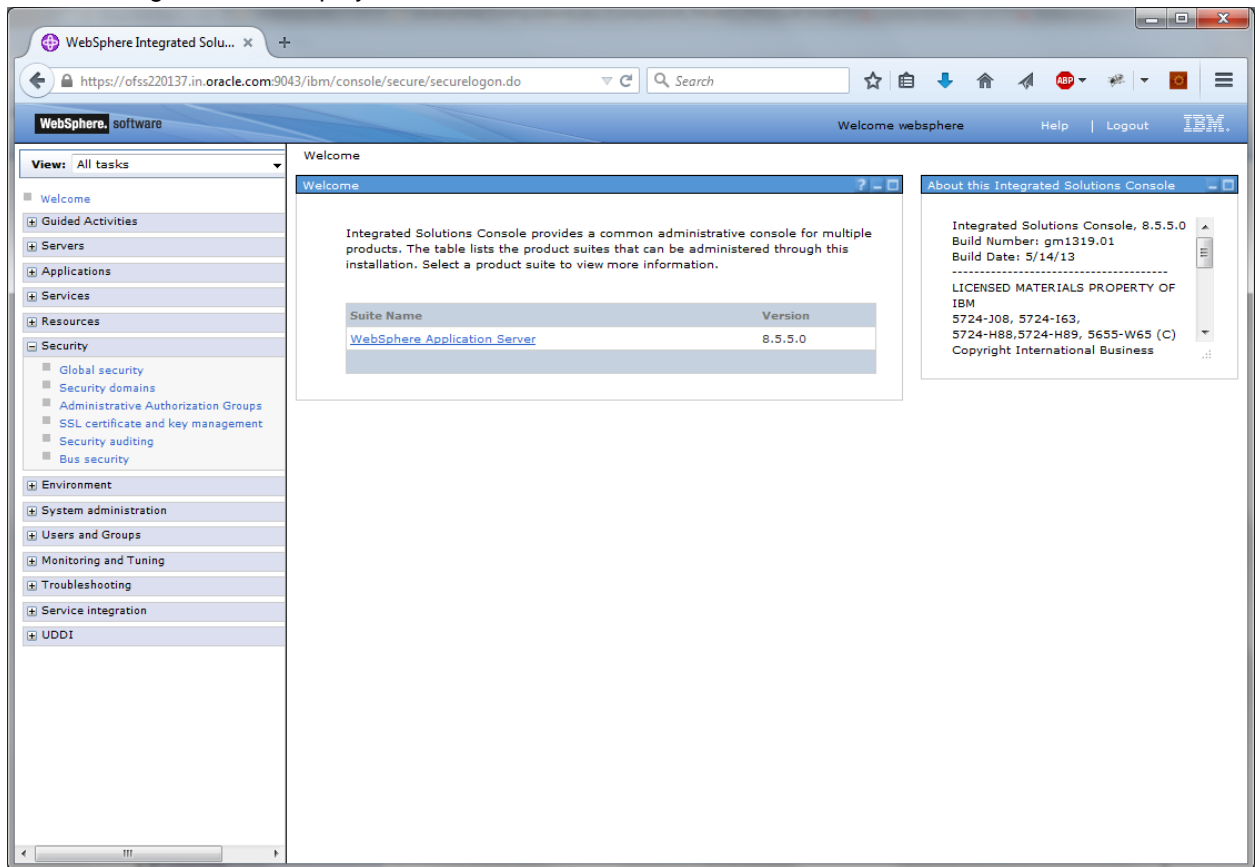
The following screen is displayed:



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

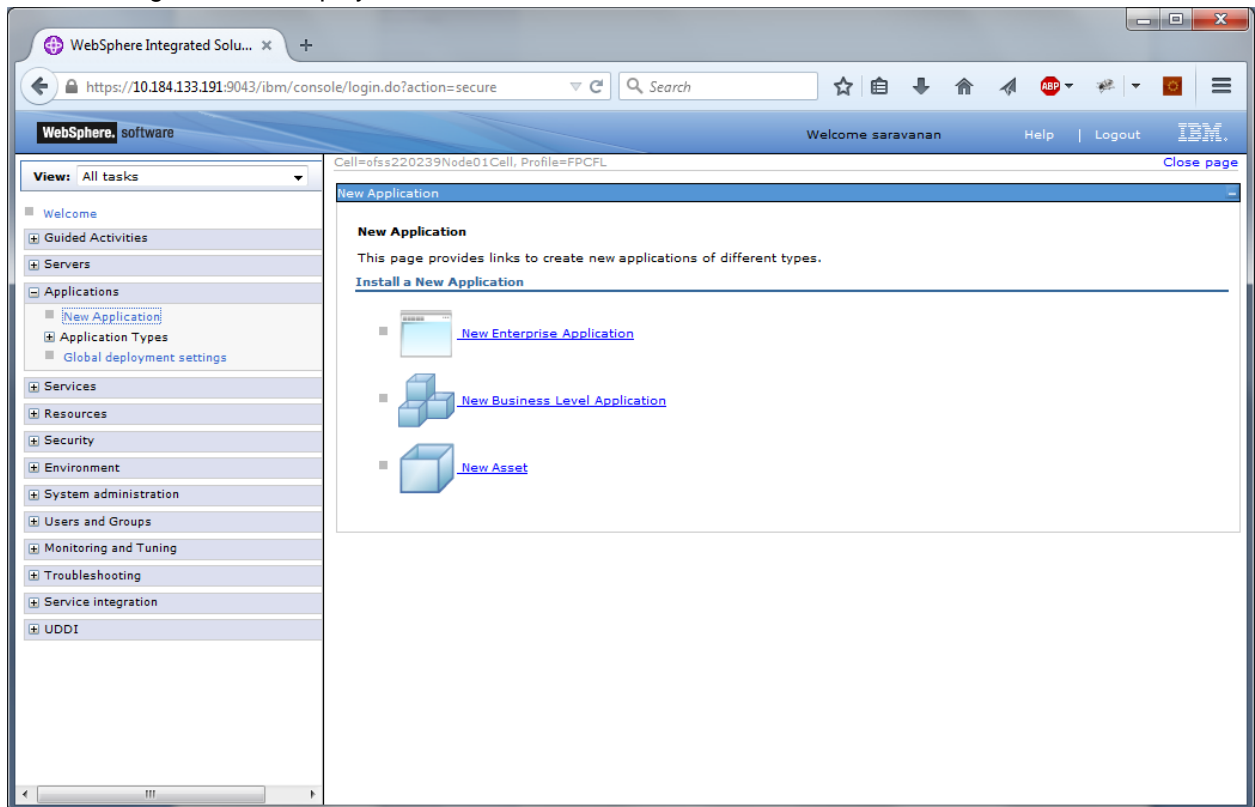
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

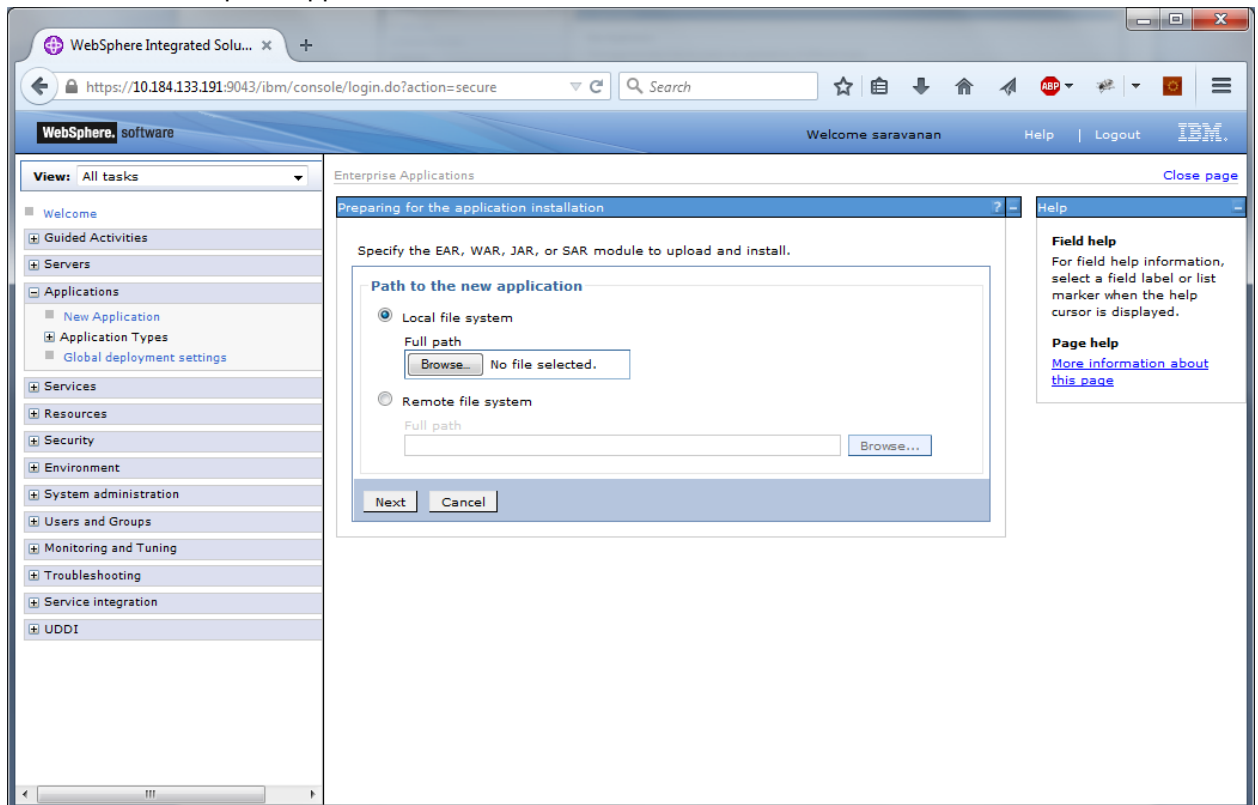


4. Expand Applications from left-side menu and Click 'New Application'.

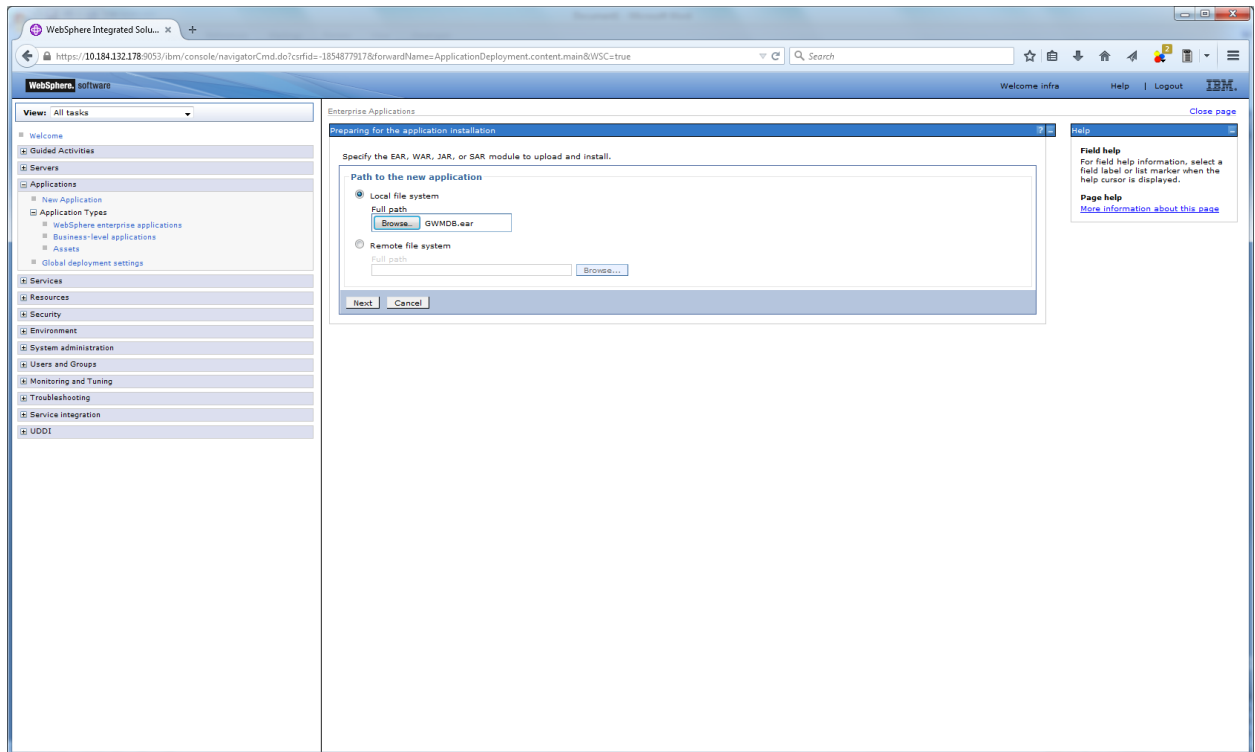
The following screen is displayed.



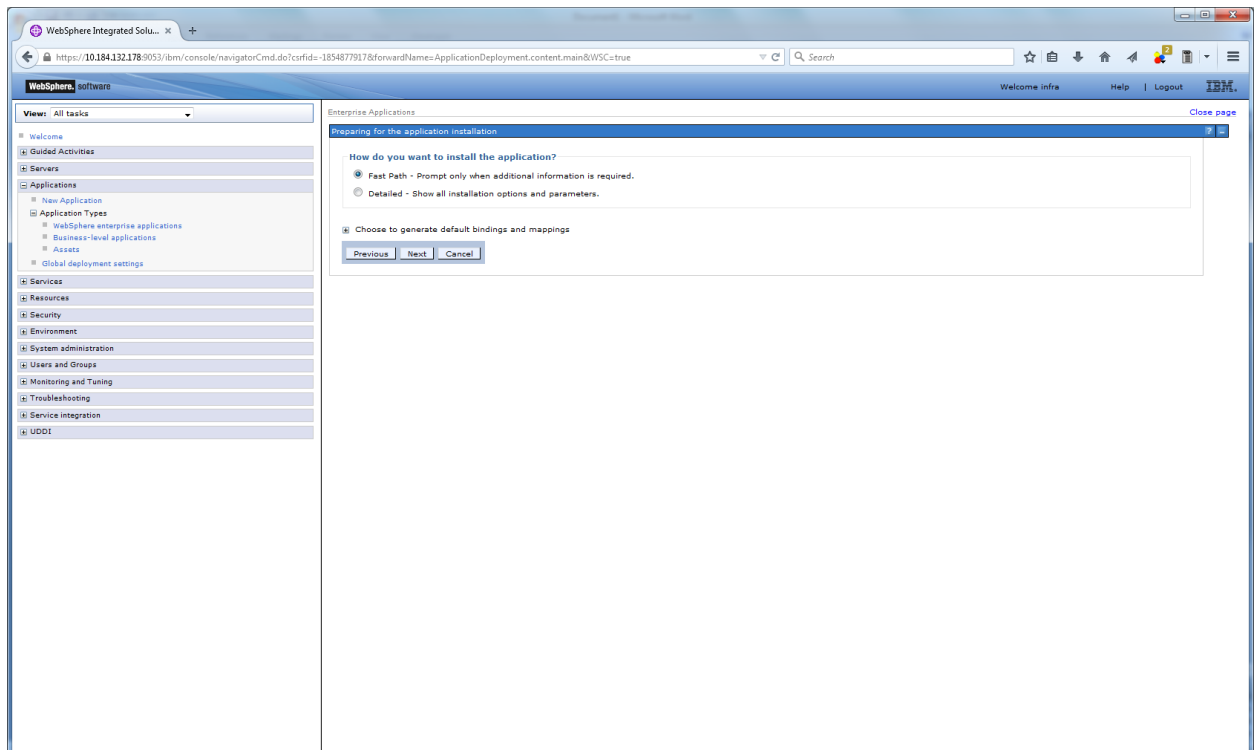
5. Click 'New Enterprise Application'.



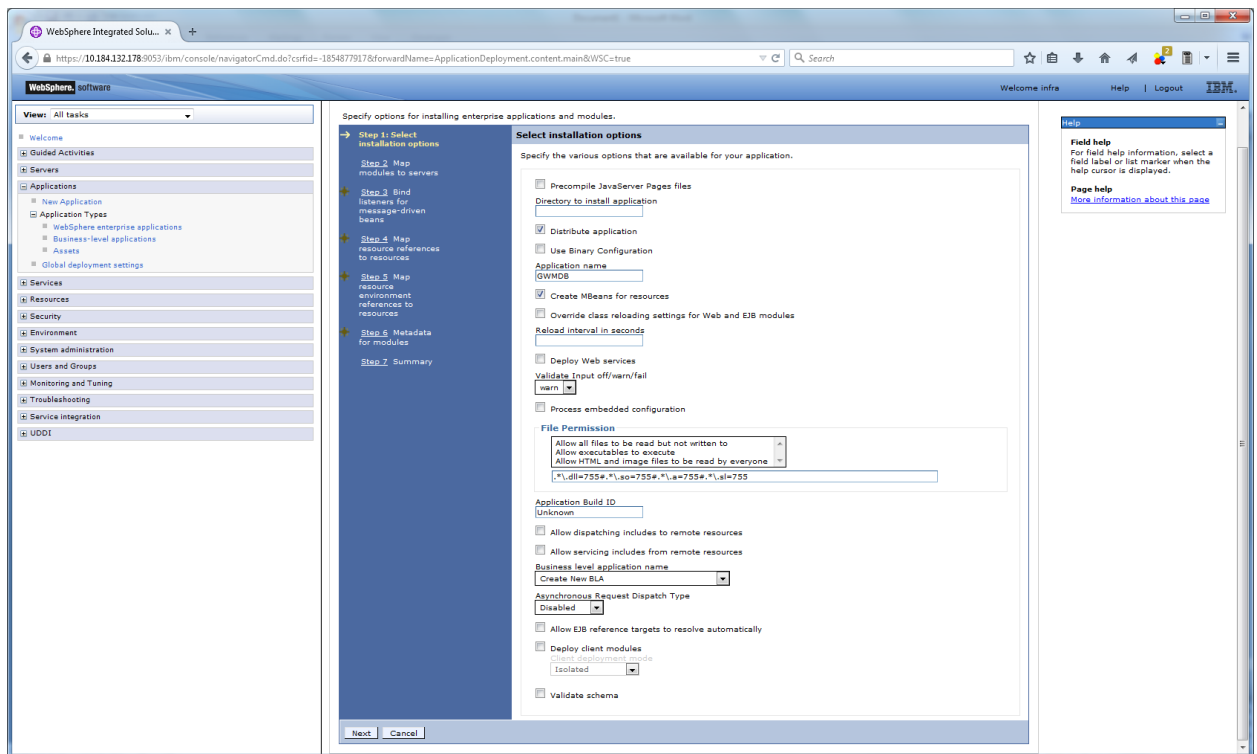
6. Click on Browse and select the MDB EAR and the following screen is displayed



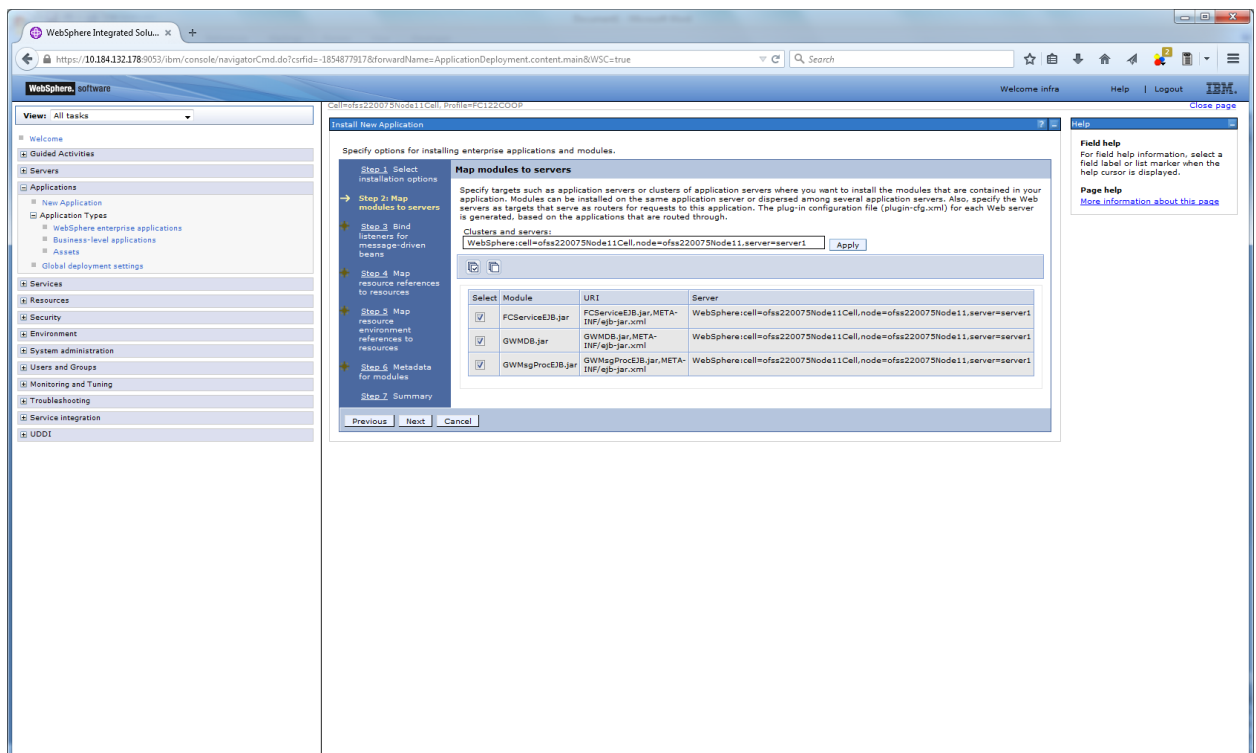
7. Click on next and the following screen is displayed.



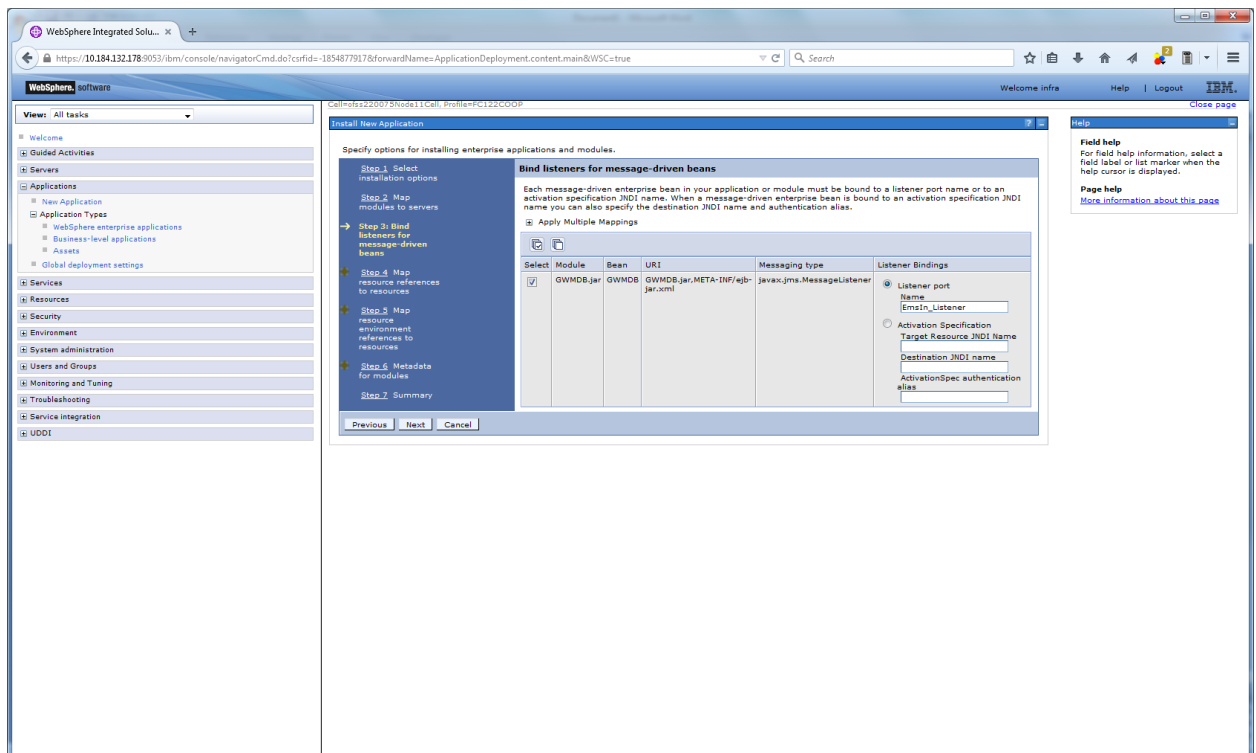
8. Click on next and the following screen is displayed.



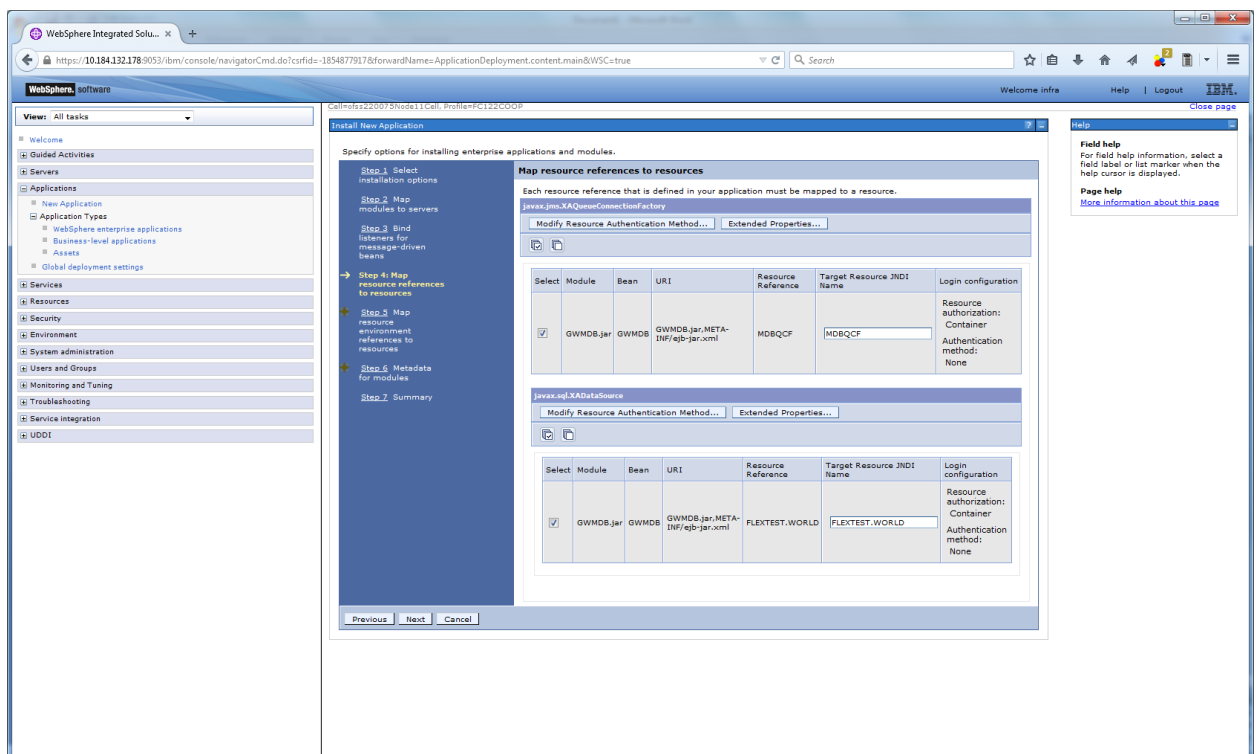
9. Click on next and the following screen is displayed.



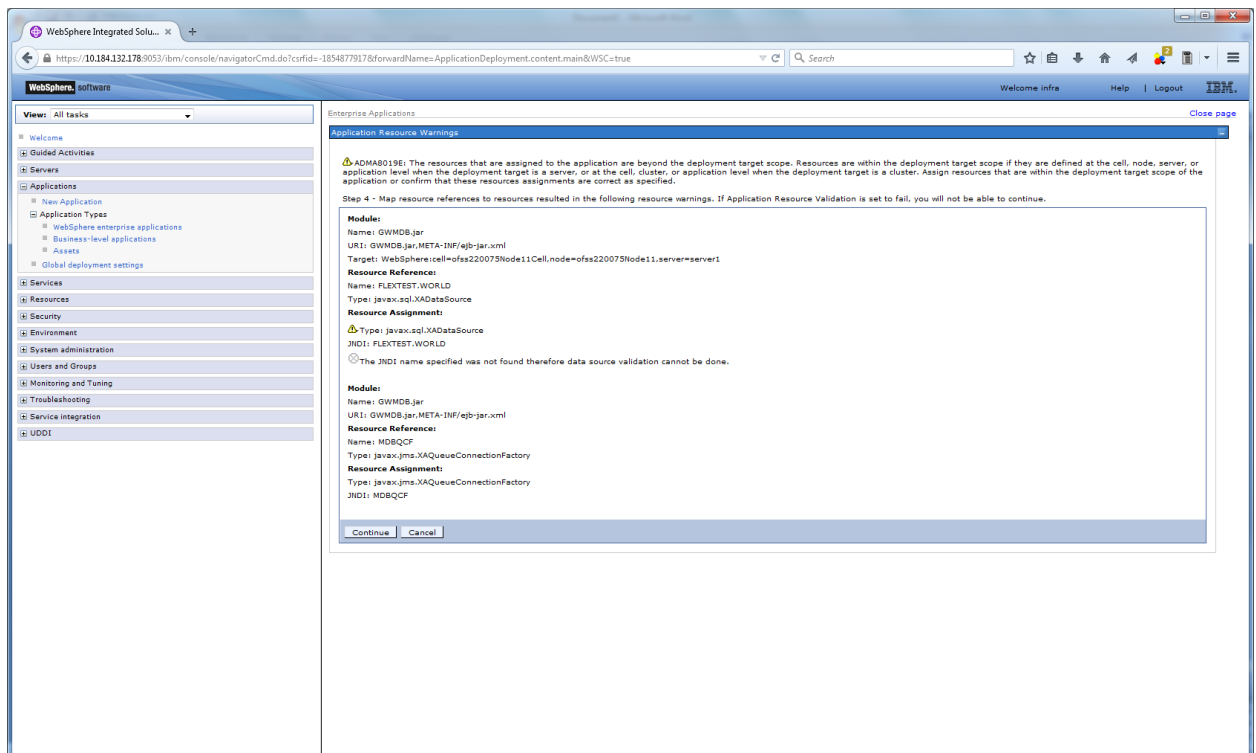
10. Click on next and the following screen is displayed.



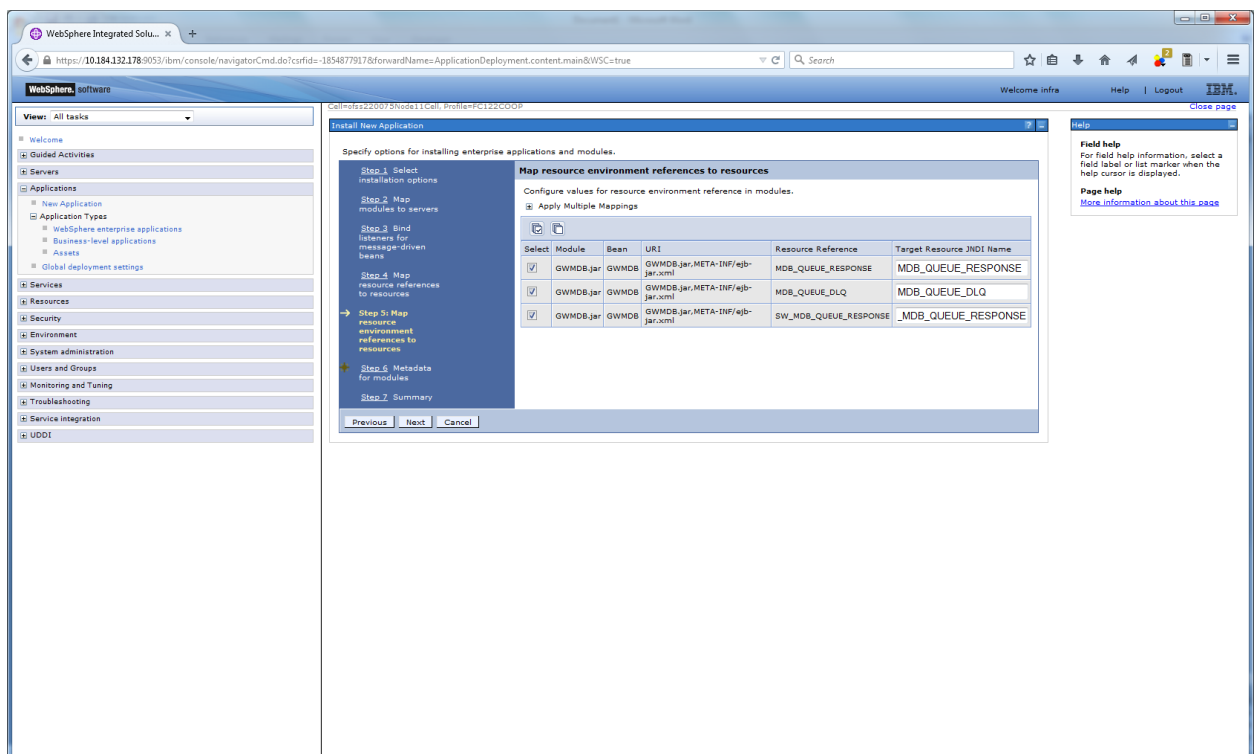
11. Input the listner name click next. Following screen is displayed.



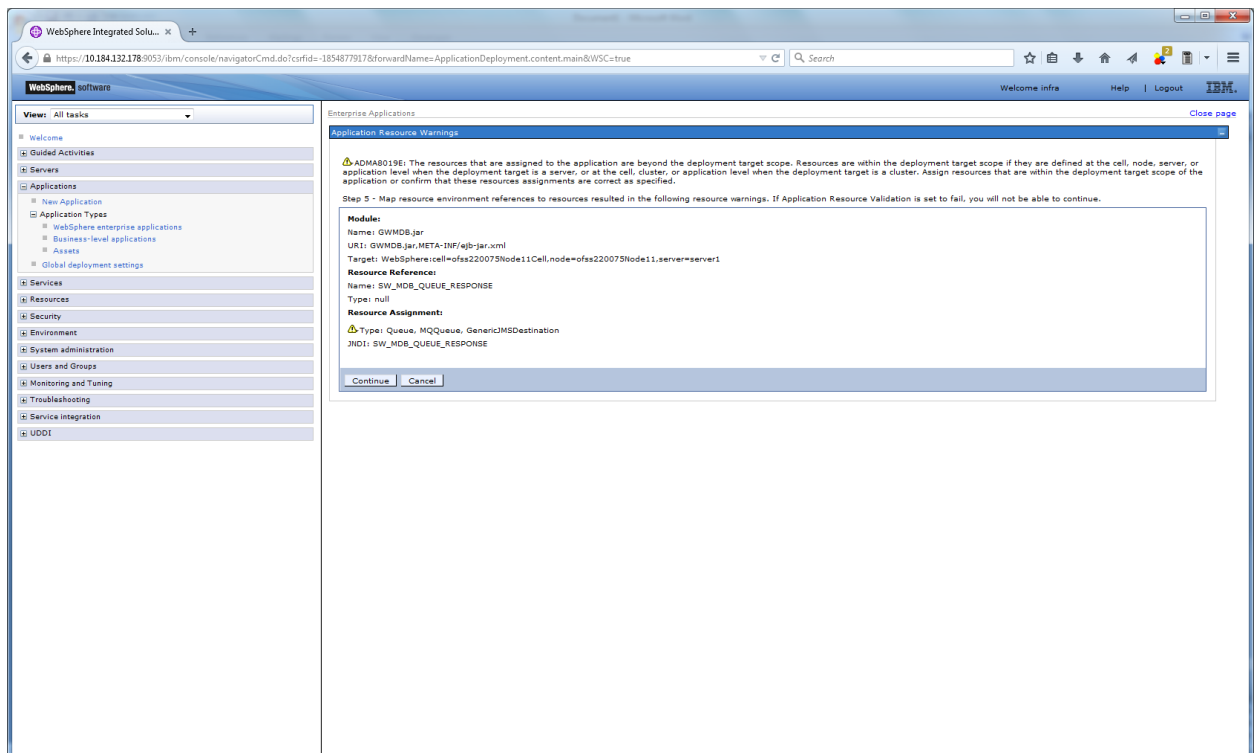
12. Enter the details as shown and click next.



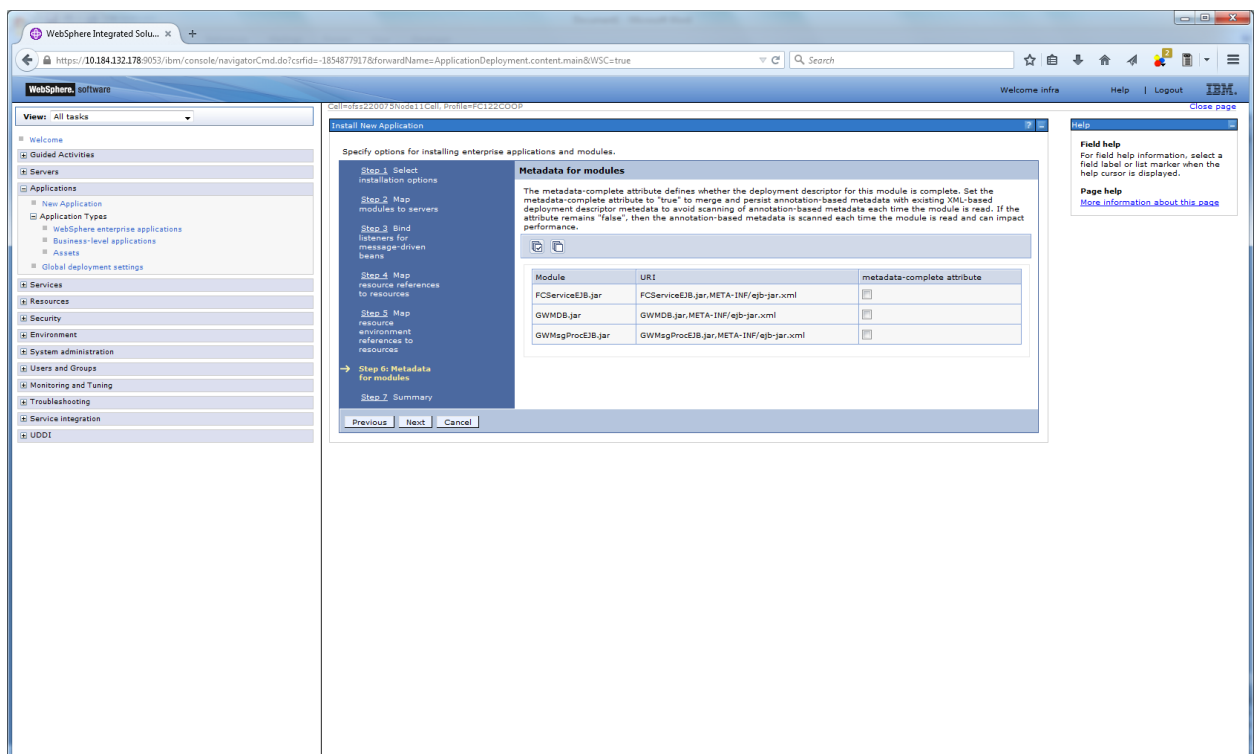
14. Click on continue and following screen is displayed.



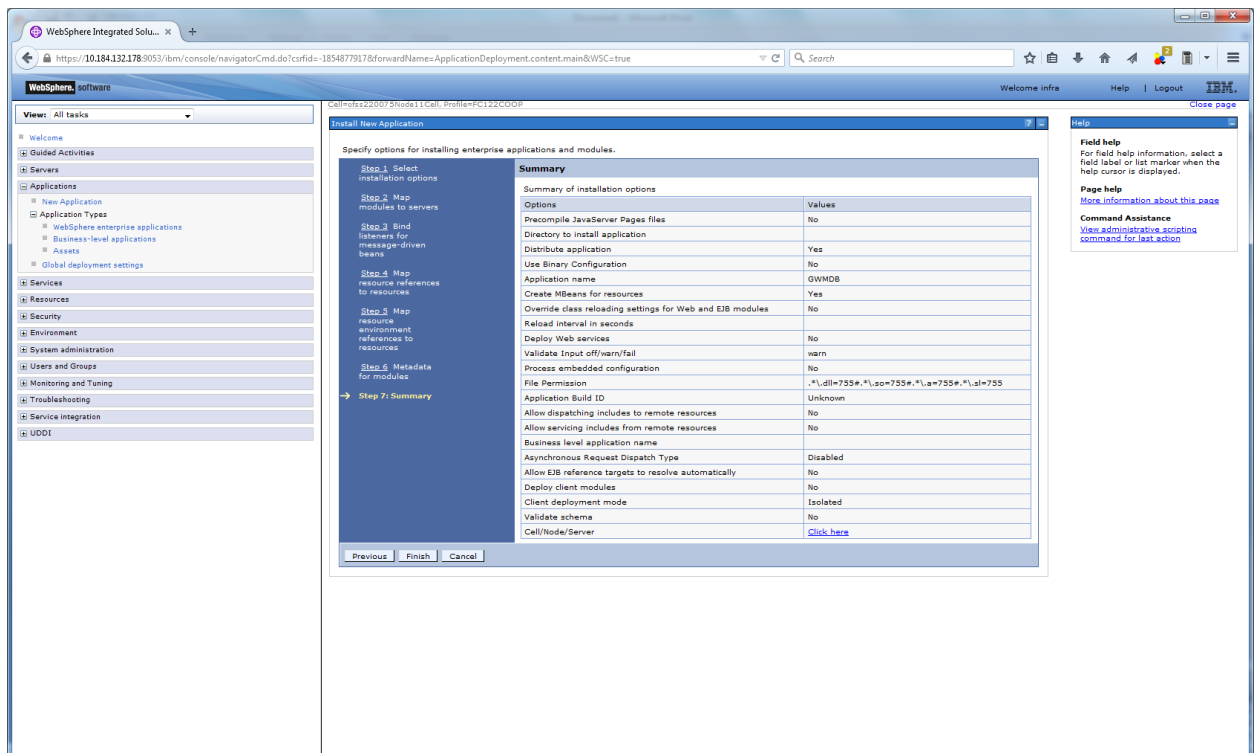
15. Give necessary details as shown and click next.



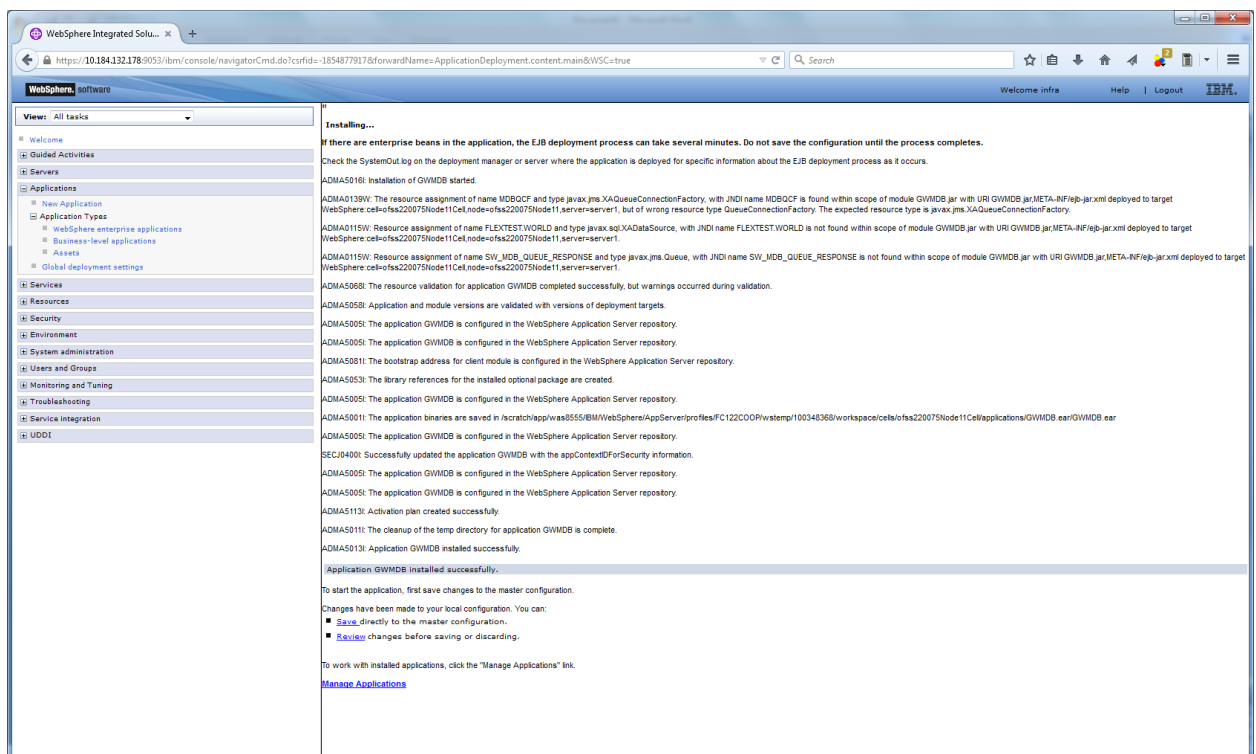
16. Click on continue and below screen is displayed.



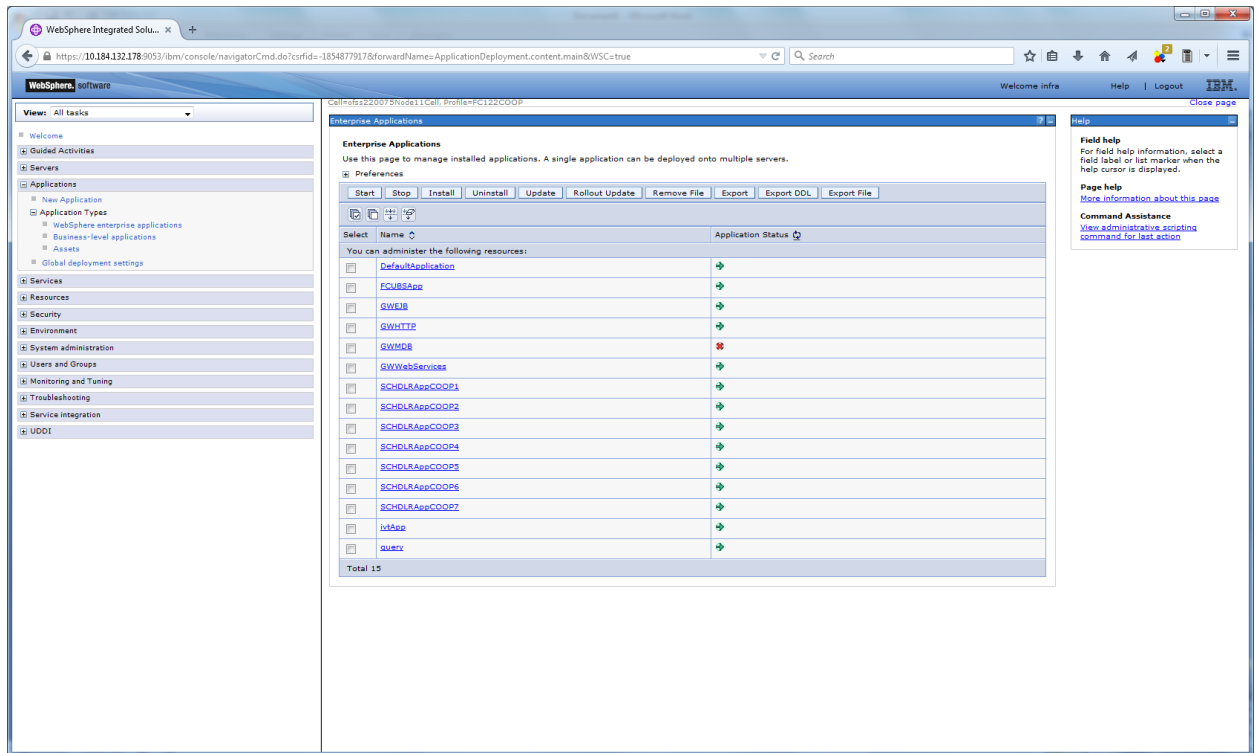
17. Click on next and following screen is displayed.



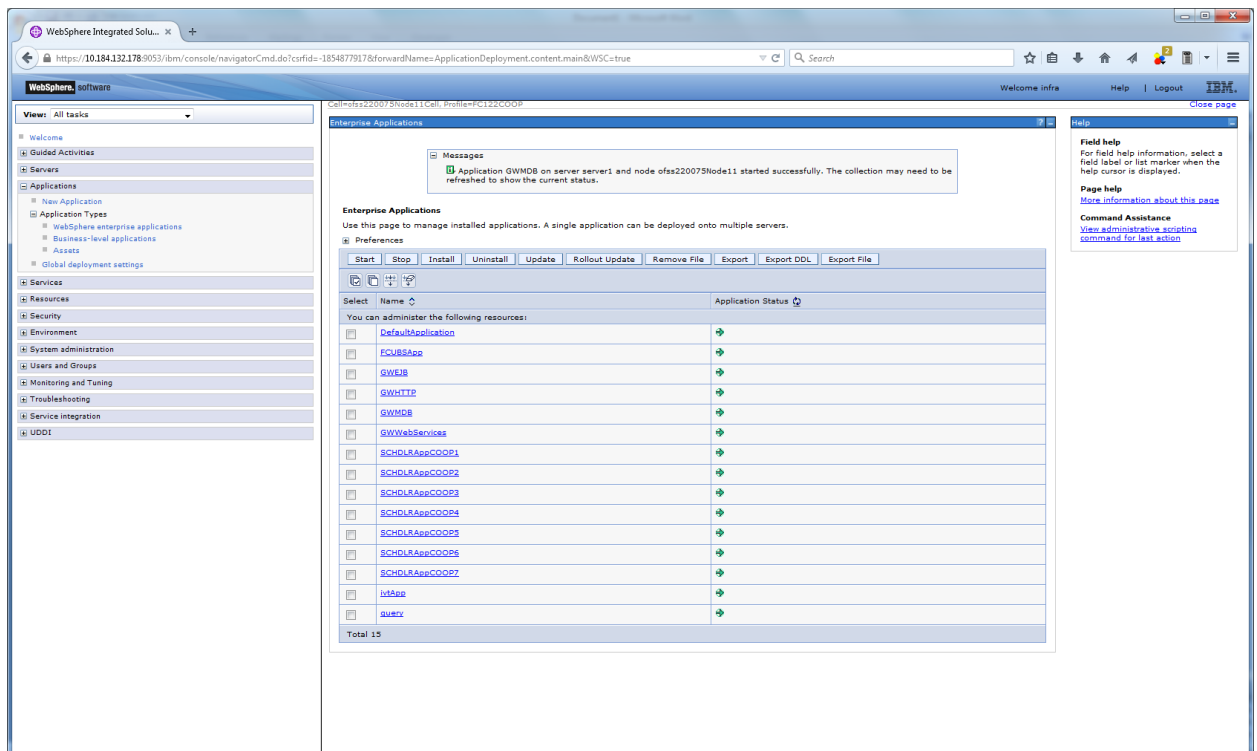
18. Click on Finish and following screen is displayed.



36. Click on save and following screen is displayed.



37. Select the deployed EAR and click on start.



MDB EAR deployment is successfully finished.

1.2.5 FCUBS HTTP Application Deployment

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

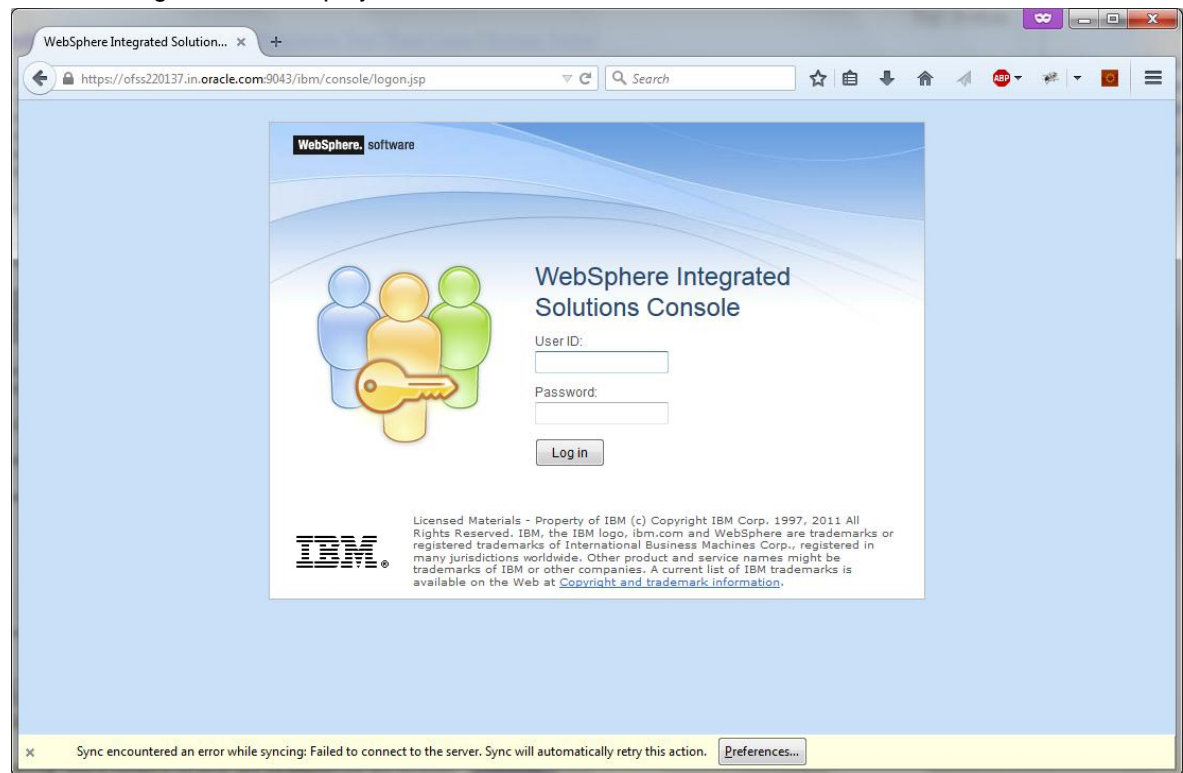
1. Open the Administrative Console of WebSphere server:

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.

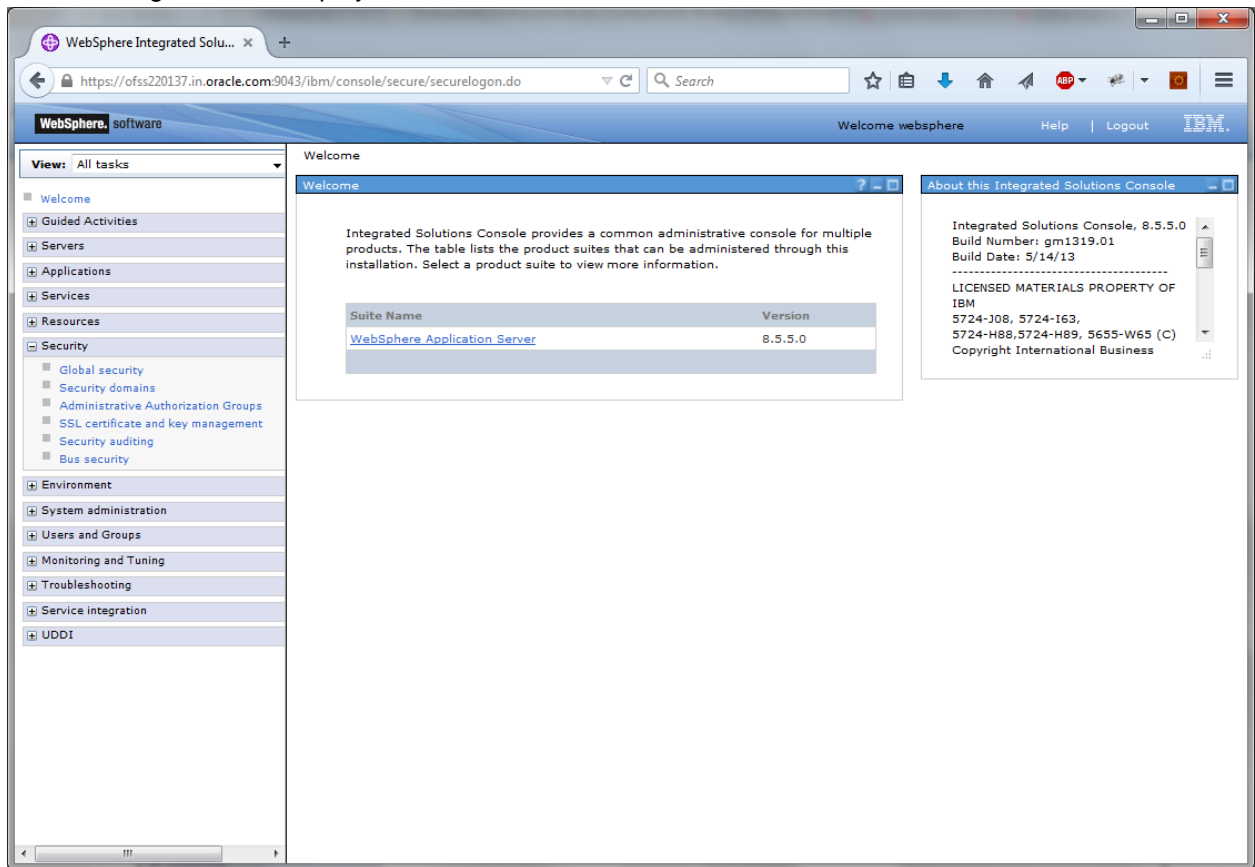
The following screen is displayed:



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

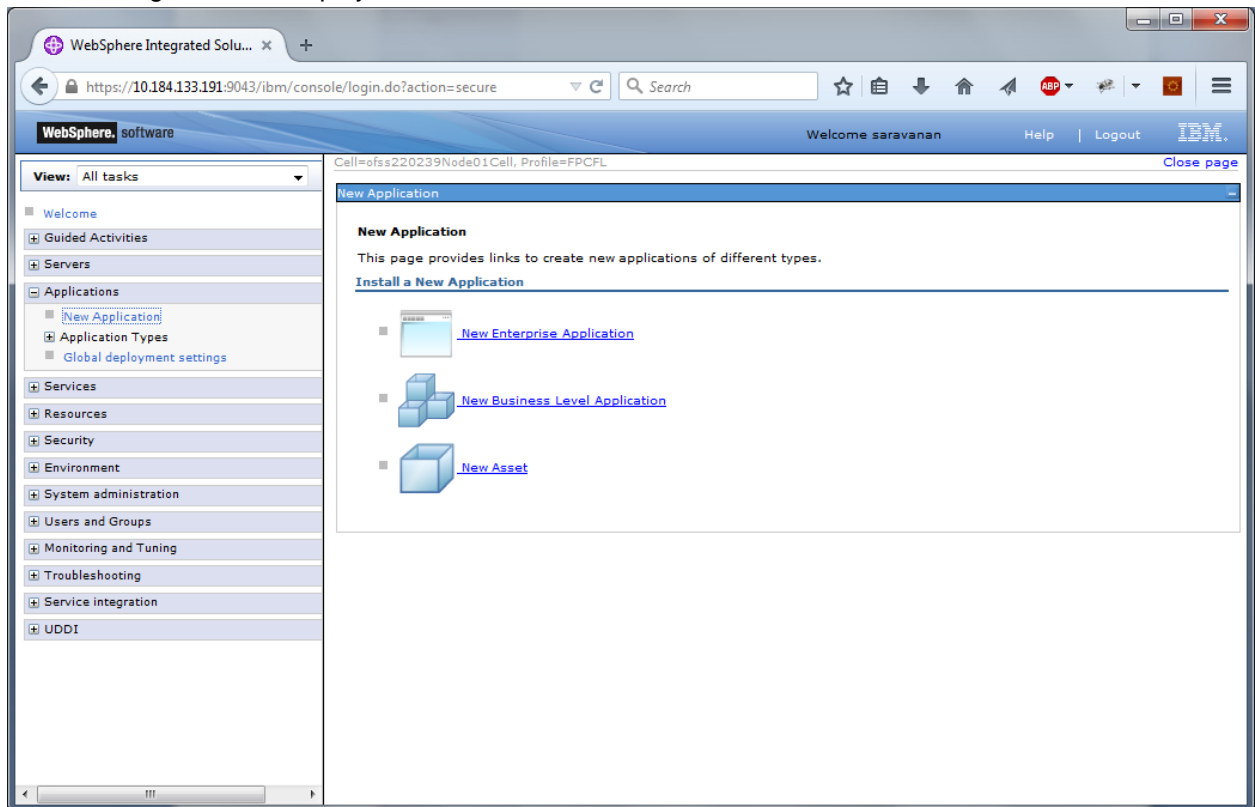
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

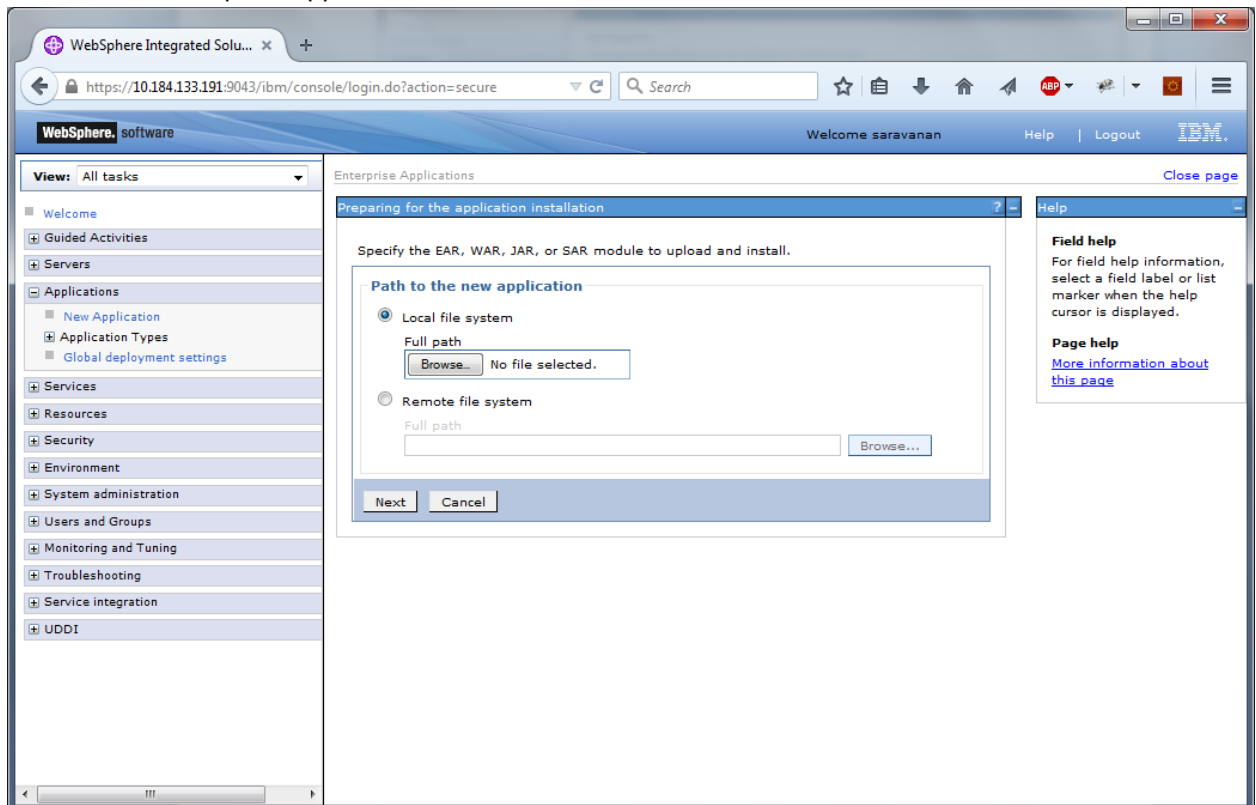


4. Expand Applications from left-side menu and Click 'New Application'.

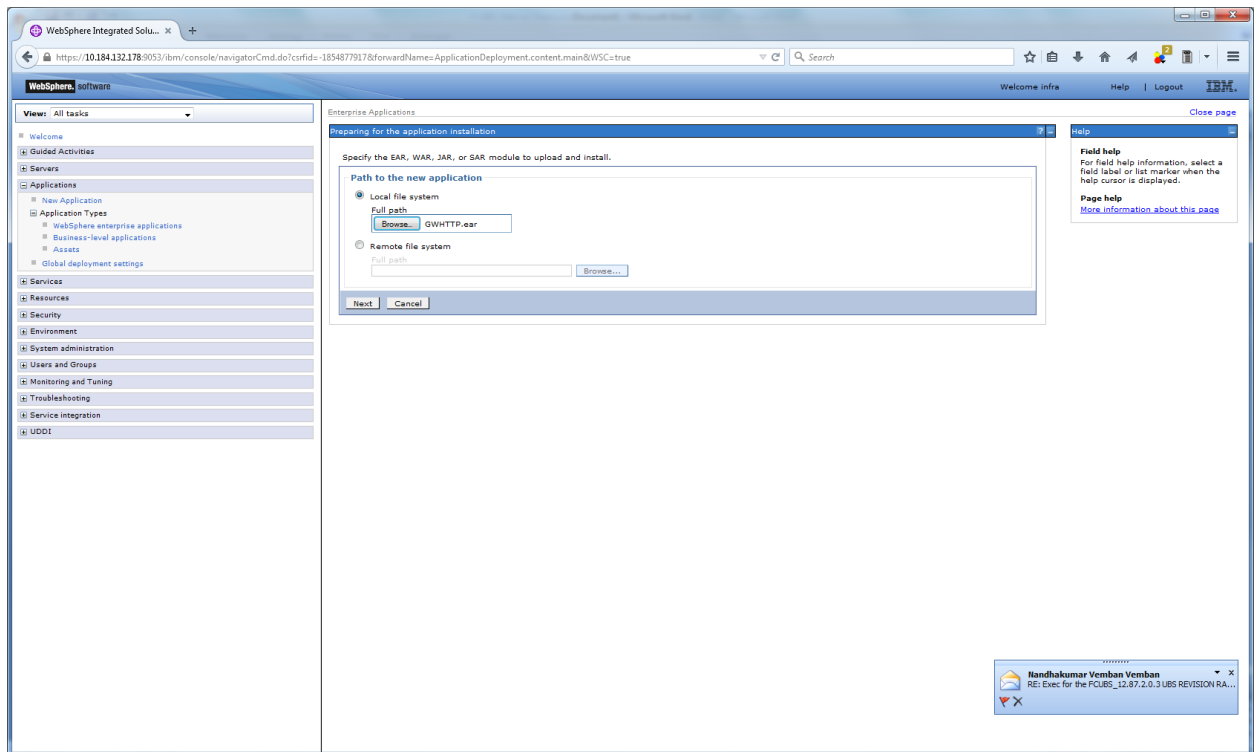
The following screen is displayed.



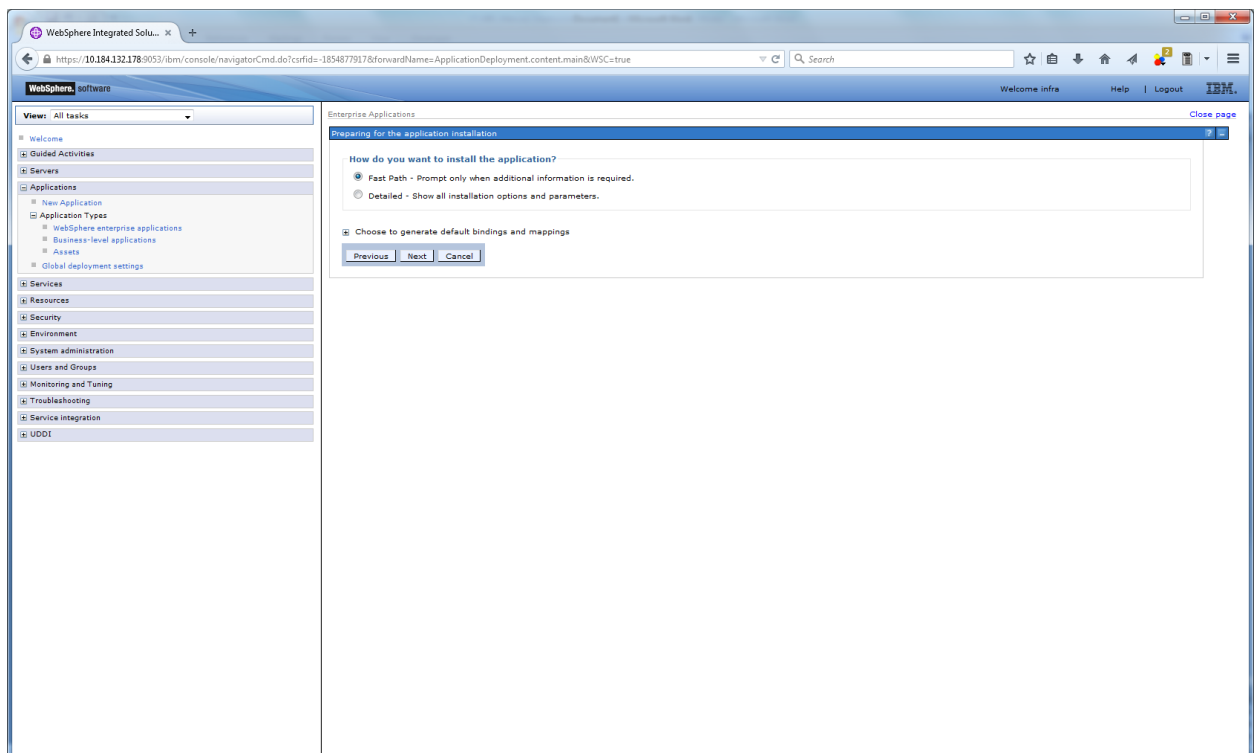
5. Click 'New Enterprise Application'.



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.

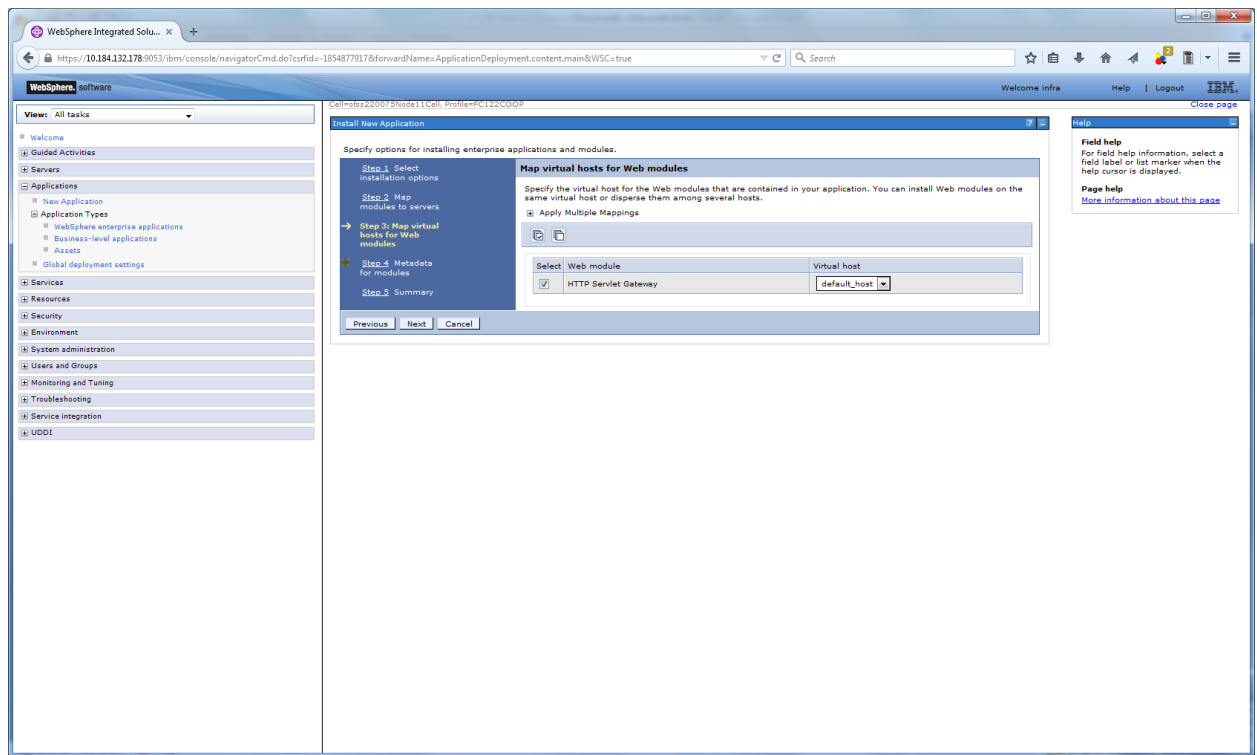
The screenshot shows the WebSphere Integrated Solutions console. The left sidebar contains a navigation tree with categories like Welcome, Guided Activities, Servers, Applications, Services, Resources, Security, Environment, System administration, Users and Groups, Monitoring and Tuning, Troubleshooting, Service integration, and UDDI. The main content area is titled 'Specify options for installing enterprise applications and modules.' and contains a 'Select installation options' section. This section includes a list of steps: Step 1: Select installation options (selected), Step 2: Map modules to servers, Step 3: Map virtual hosts for Web modules, Step 4: Metadata for modules, and Step 5: Summary. The 'Select installation options' section has several checkboxes and input fields: 'Precompile JavaServer Pages files' (unchecked), 'Directory to install application' (empty), 'Distribute application' (checked), 'Use Binary Configuration' (unchecked), 'Application name' (GWHTTP), 'Create MBeans for resources' (checked), 'Override class reloading settings for Web and EJB modules' (unchecked), 'Reload interval in seconds' (empty), 'Deploy Web services' (unchecked), 'Validate input off/warn/fail' (warn), 'Process embedded configuration' (unchecked), 'File Permission' (Allow all files to be read but not written to, Allow executables to execute, Allow HTML and image files to be read by everyone), 'Application Build ID' (Unknown), 'Allow dispatching includes to remote resources' (unchecked), 'Allow servicing includes from remote resources' (unchecked), 'Business level application name' (Create new BLA), 'Asynchronous Request Dispatch Type' (Disabled), 'Allow EJB reference targets to resolve automatically' (unchecked), 'Deploy client modules' (checked), 'Client deployment mode' (Isolated), and 'Validate schema' (unchecked). At the bottom are 'Next' and 'Cancel' buttons. A 'Help' sidebar on the right provides field and page help.

9. Click next and the following screen is displayed.

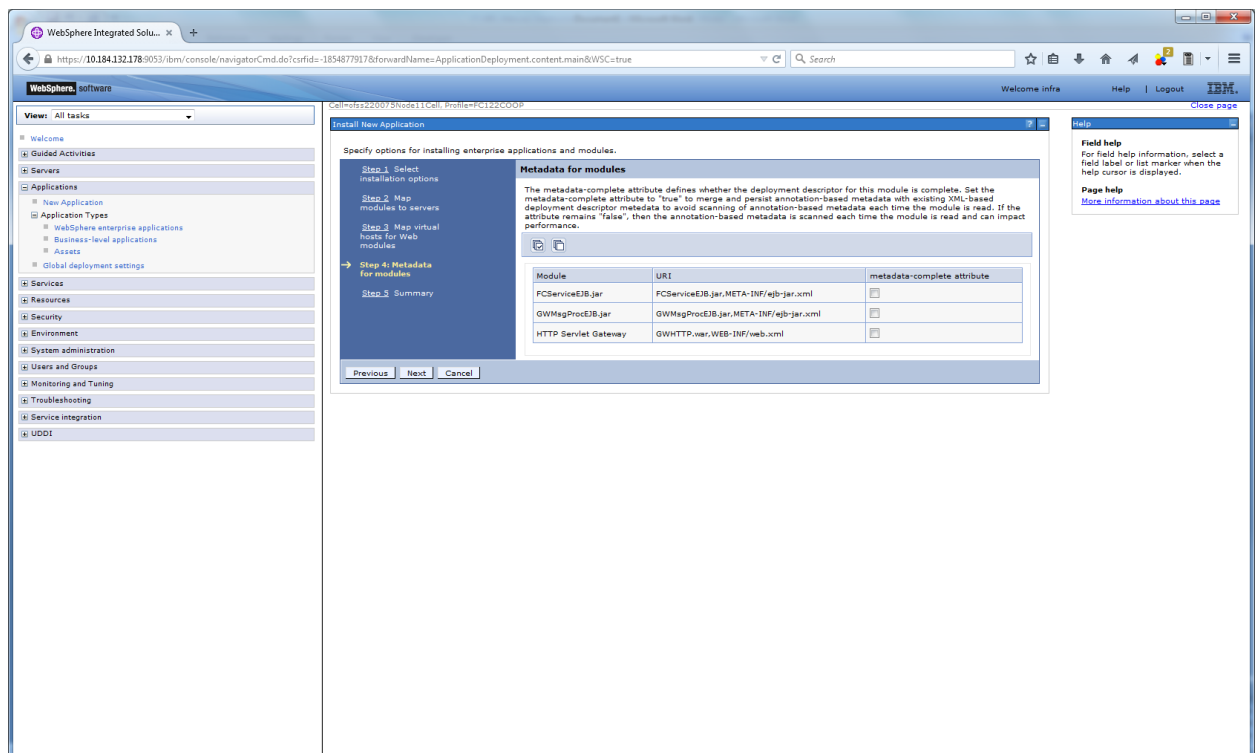
The screenshot shows the WebSphere Integrated Solutions console. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Specify options for installing enterprise applications and modules.' and contains a 'Map modules to servers' section. This section includes a list of steps: Step 1: Select installation options, Step 2: Map modules to servers (selected), Step 3: Map virtual hosts for Web modules, Step 4: Metadata for modules, and Step 5: Summary. The 'Map modules to servers' section has a text area for 'Clusters and servers' with the value 'WebSphere:cell=ofas220075Node11Cell:node=ofas220075Node11.server=server1' and an 'Apply' button. Below this is a table with columns 'Select', 'Module', 'URI', and 'Server'. The table contains three rows: 'FCServiceEJB.jar' (checked), 'GWNagProcEJB.jar' (checked), and 'HTTP Servlet Gateway' (checked). The 'URI' column contains the full URI for each module. The 'Server' column contains the server name 'WebSphere:cell=ofas220075Node11Cell:node=ofas220075Node11.server=server1'. At the bottom are 'Previous', 'Next', and 'Cancel' buttons. A 'Help' sidebar on the right provides field and page help.

Select	Module	URI	Server
<input checked="" type="checkbox"/>	FCServiceEJB.jar	FCServiceEJB.jar.META-INF/ejb-jar.xml	WebSphere:cell=ofas220075Node11Cell:node=ofas220075Node11.server=server1
<input checked="" type="checkbox"/>	GWNagProcEJB.jar	GWNagProcEJB.jar.META-INF/ejb-jar.xml	WebSphere:cell=ofas220075Node11Cell:node=ofas220075Node11.server=server1
<input checked="" type="checkbox"/>	HTTP Servlet Gateway	GWHTTP.war,WEB-INF/web.xml	WebSphere:cell=ofas220075Node11Cell:node=ofas220075Node11.server=server1

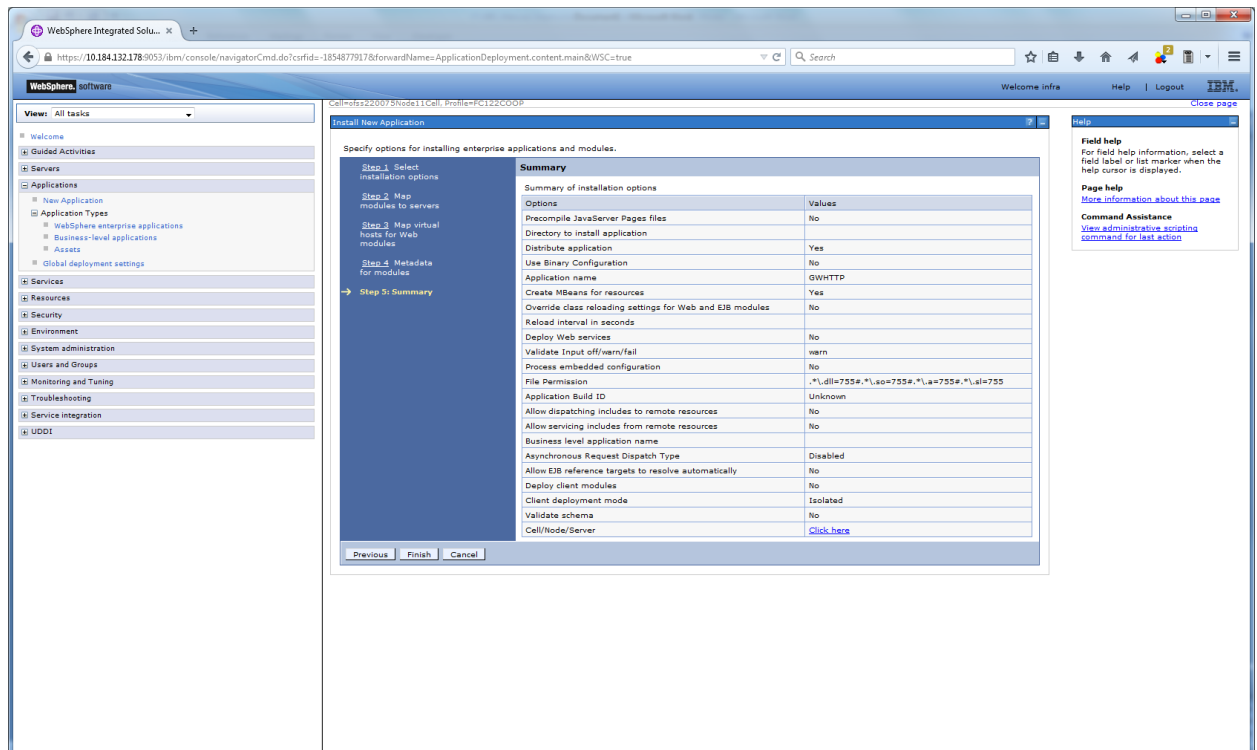
10. Click next and the following screen is displayed.



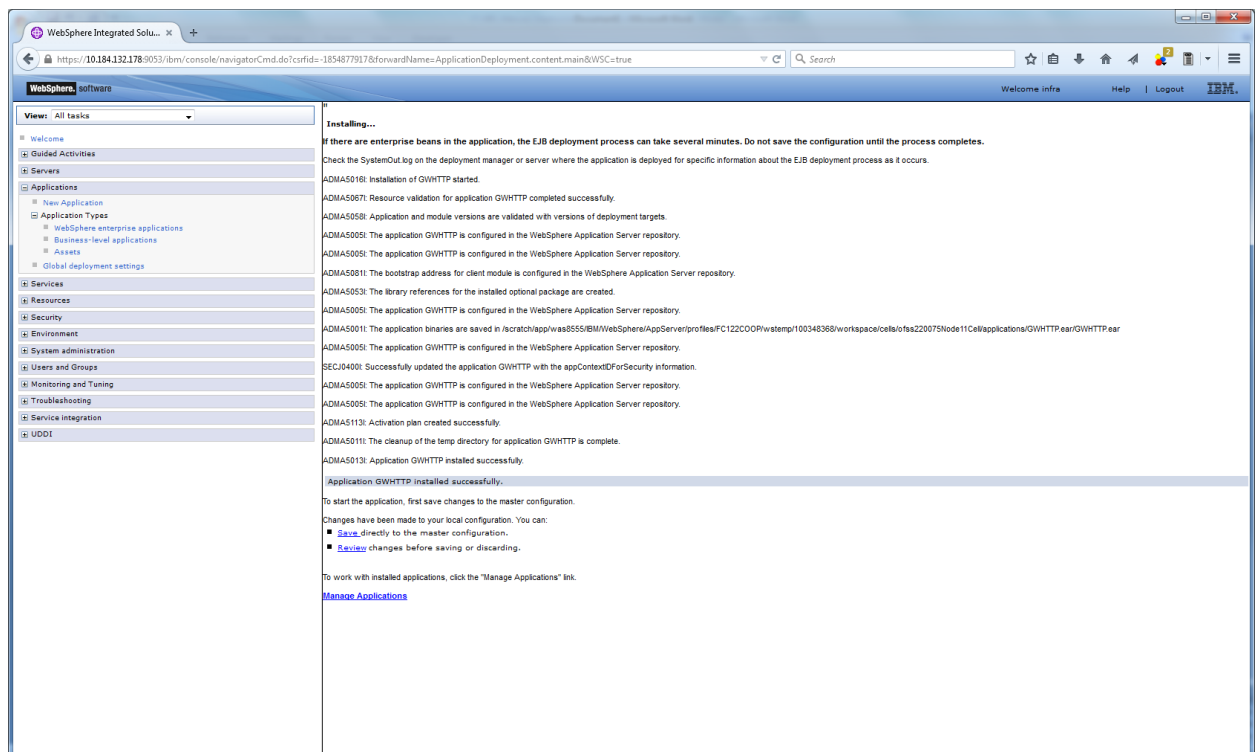
11. Click next and the following screen is displayed.



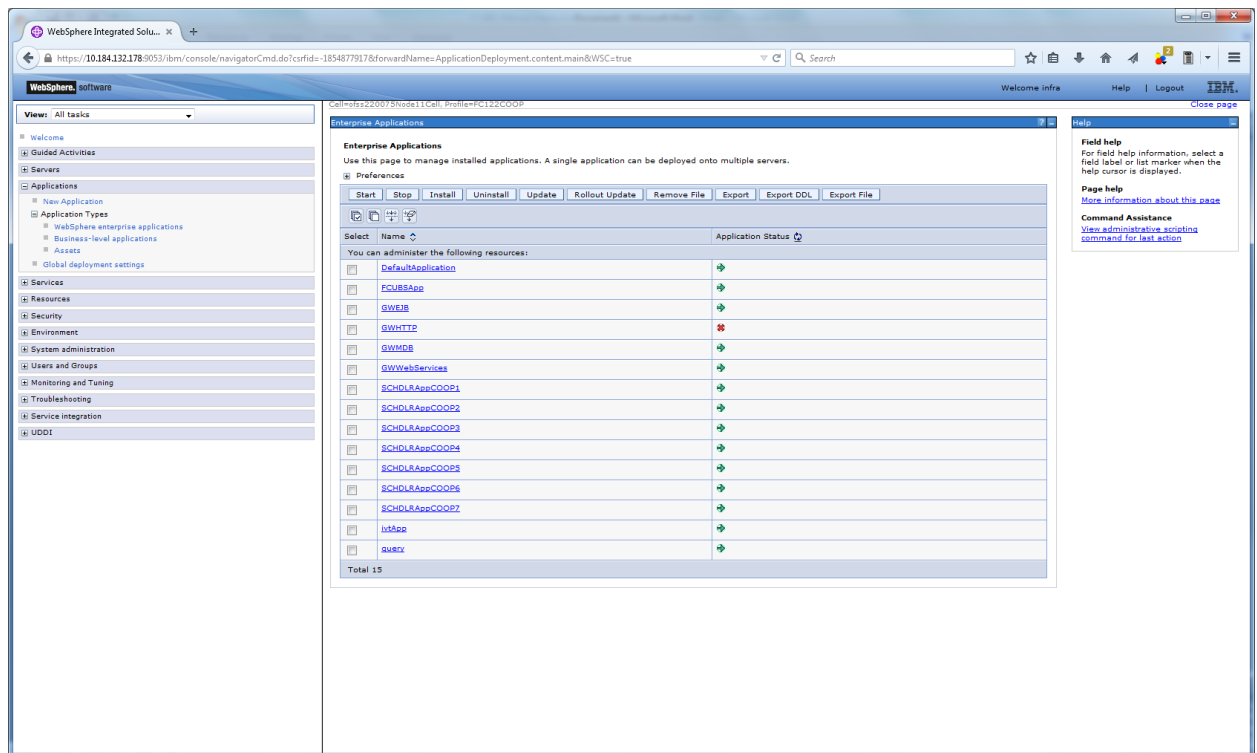
12. Click next and the following screen is displayed.



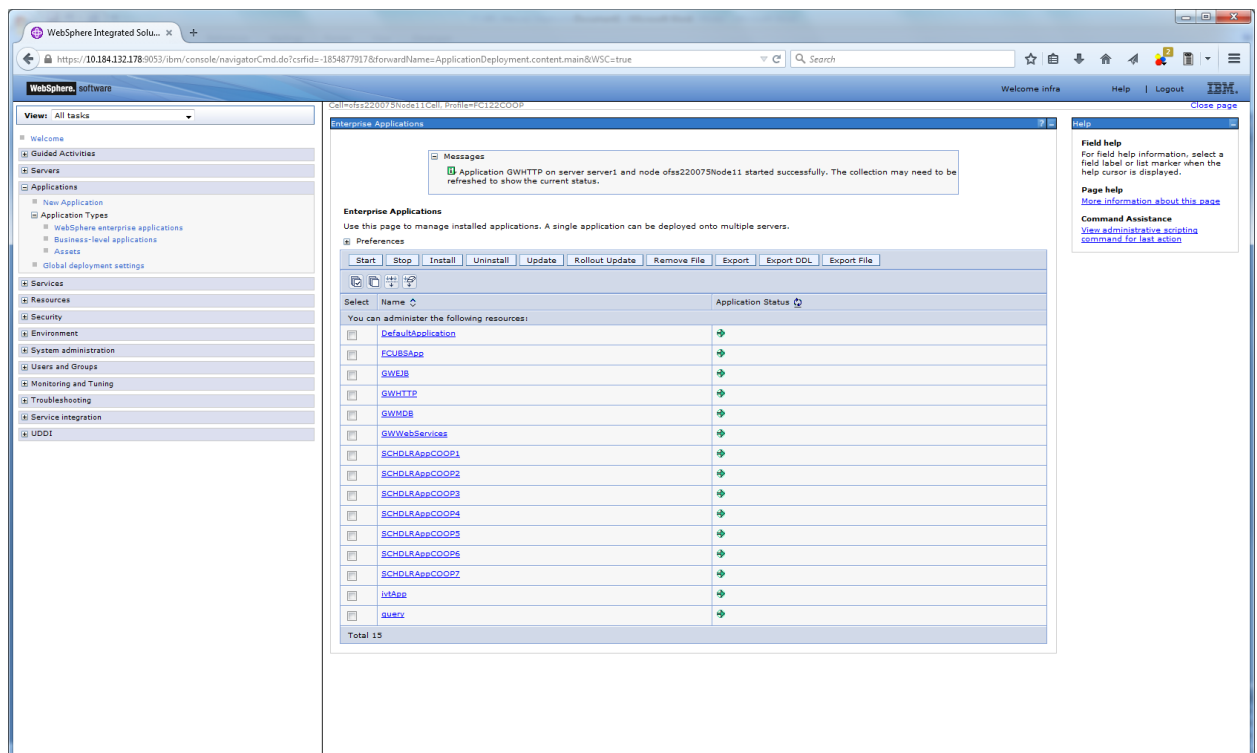
13. Click on finish and the following screen is displayed.



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



15. Select the installed application and click on start.



GWHHTTP application has been deployed successfully.

1.2.6 FCUBS GWebServices Application Deployment

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

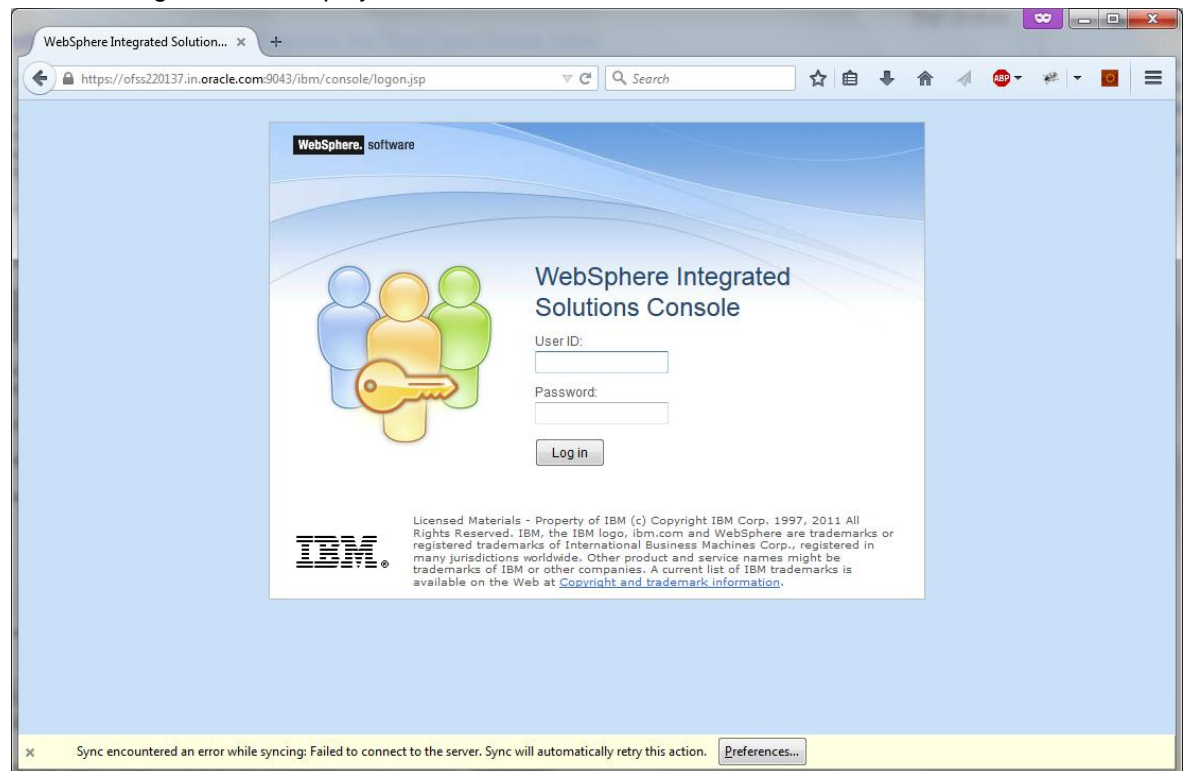
1. Open the Administrative Console of WebSphere server:

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.

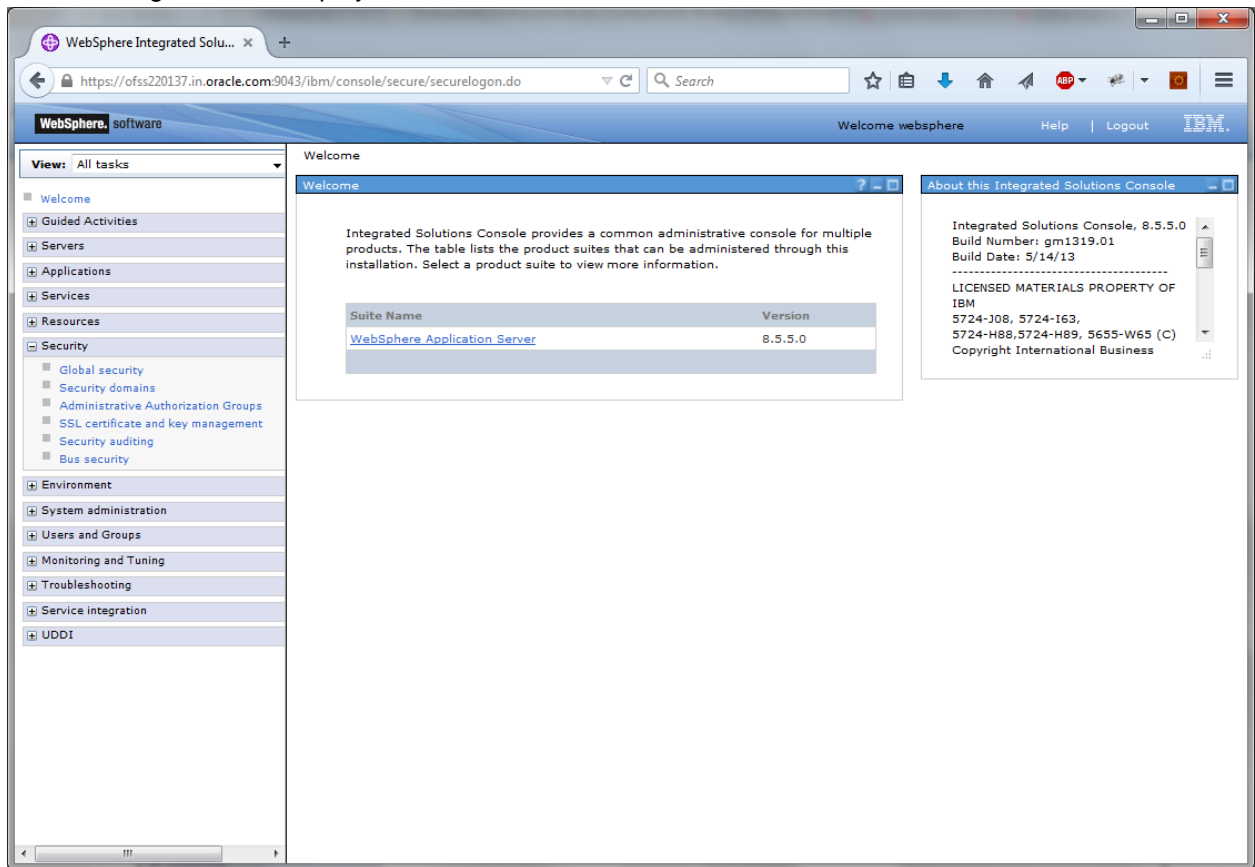
The following screen is displayed:



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

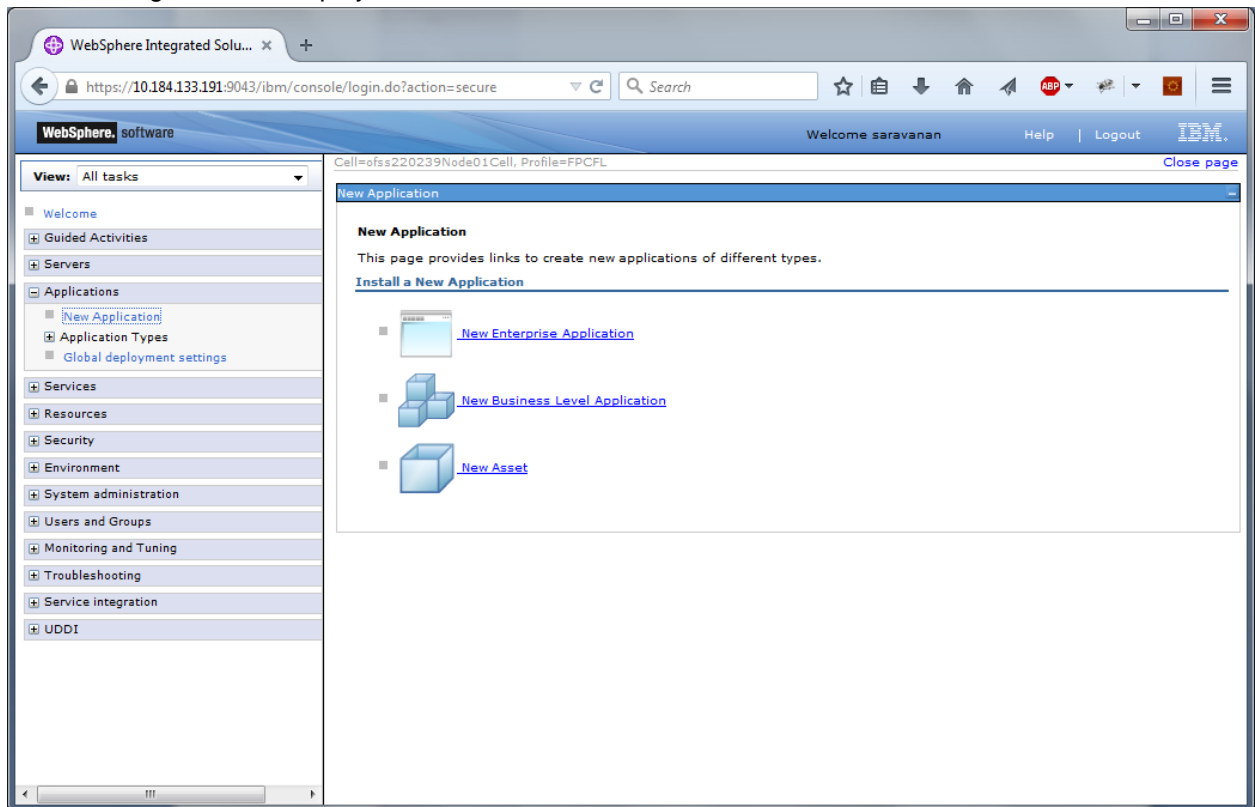
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

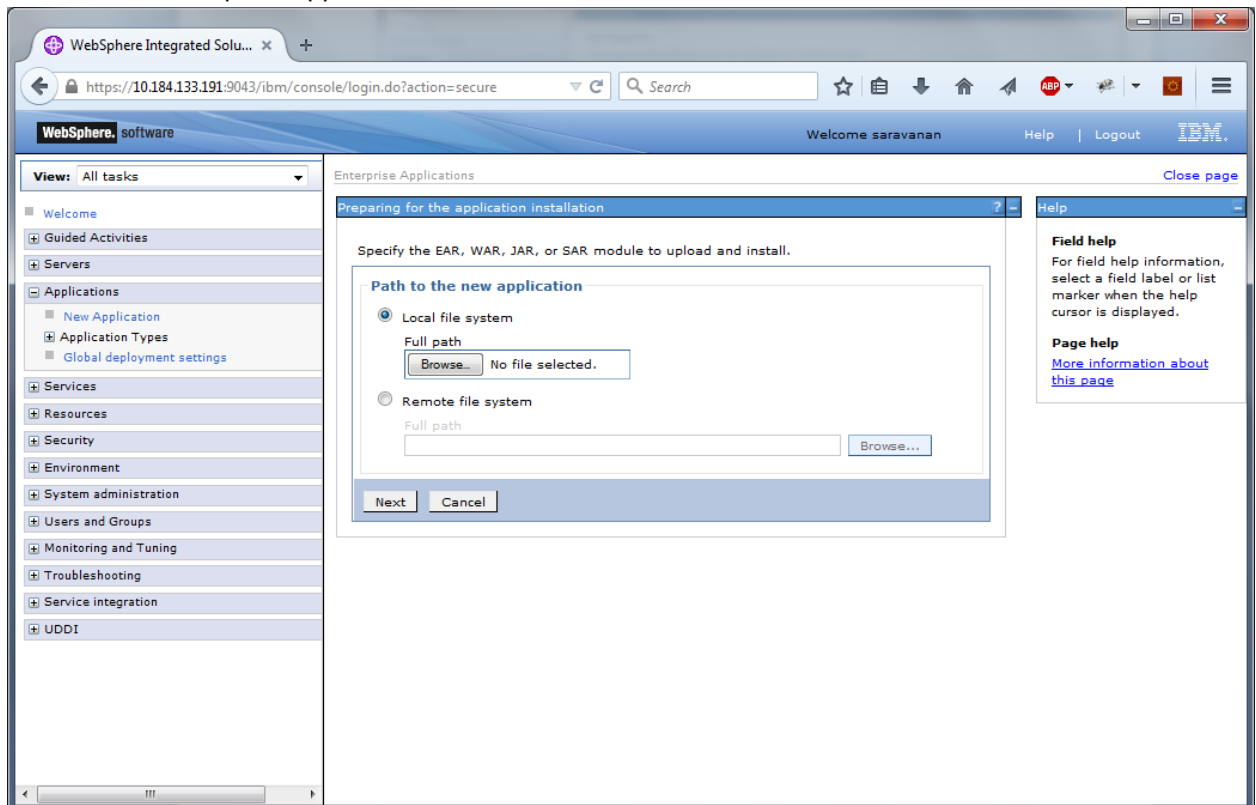


4. Expand Applications from left-side menu and Click 'New Application'.

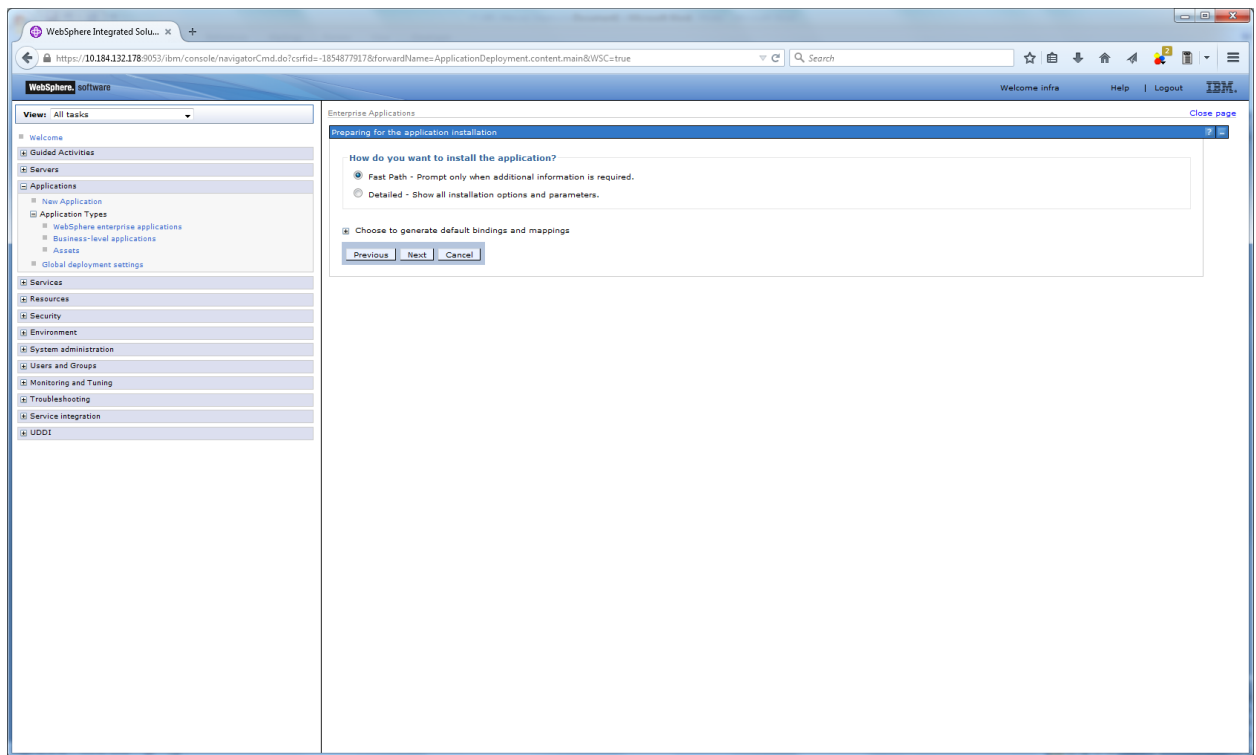
The following screen is displayed.



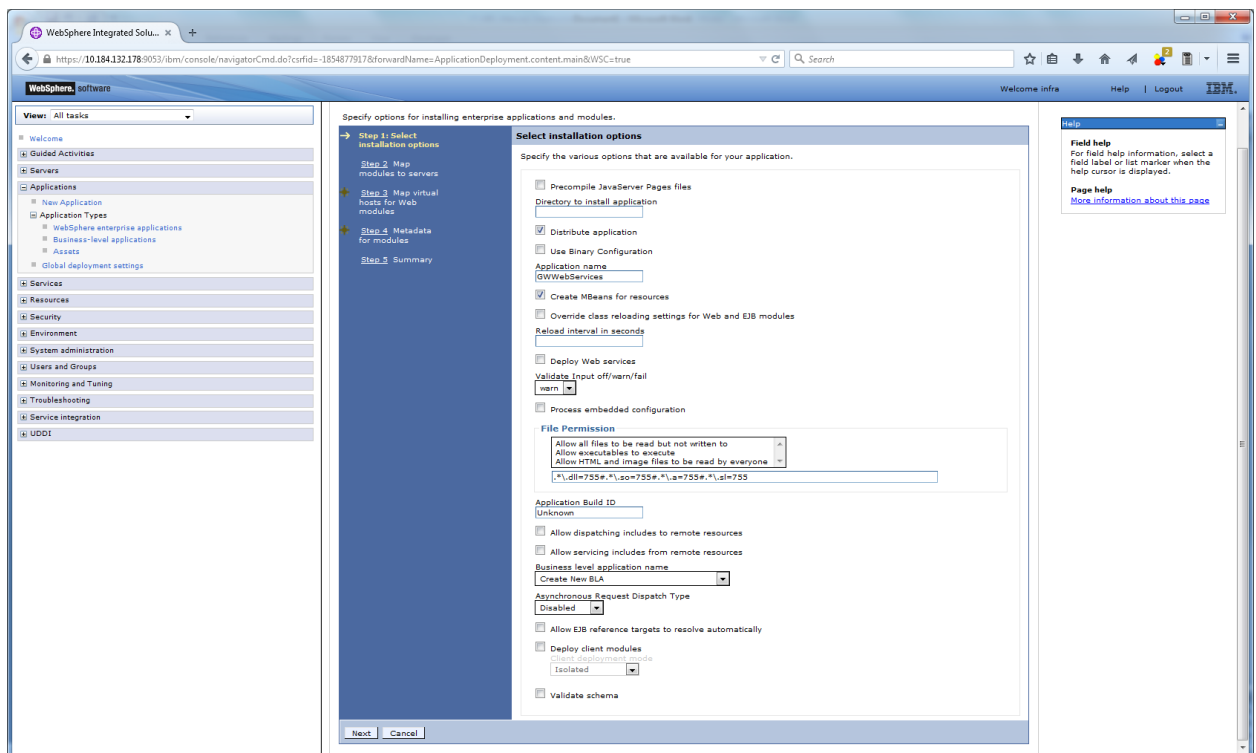
5. Click 'New Enterprise Application'.



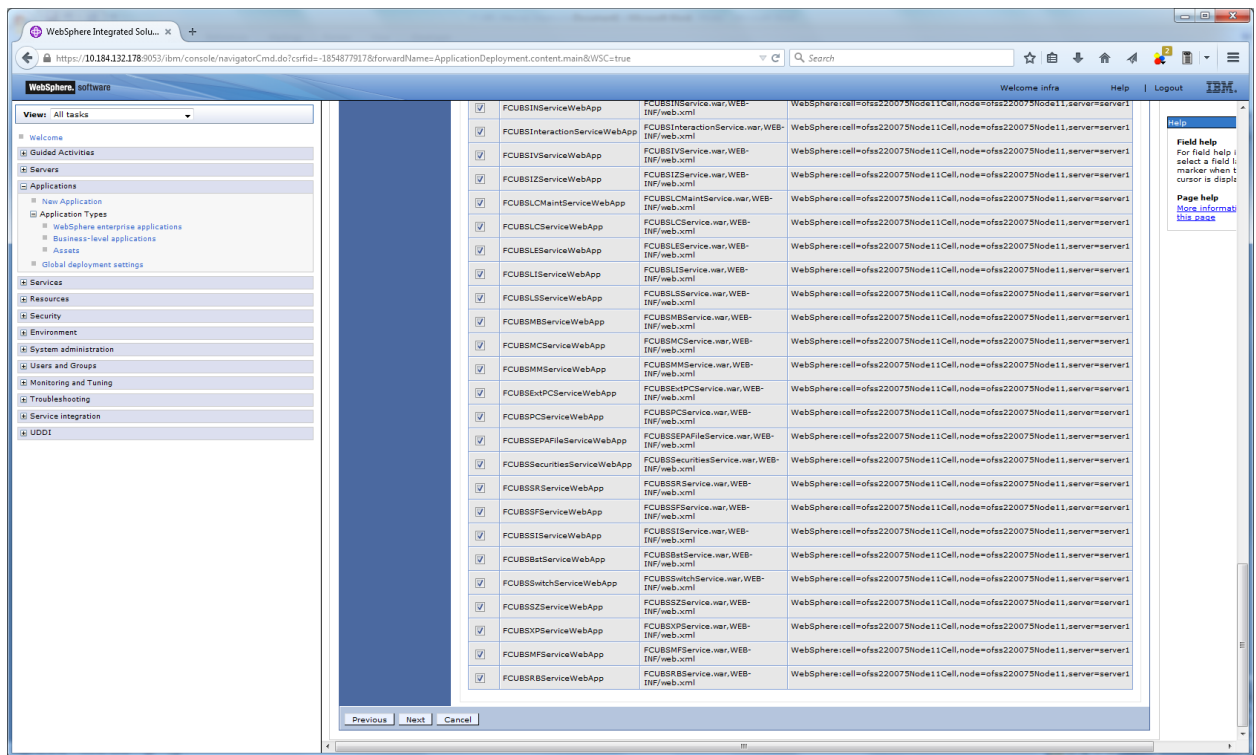
6. Browse the application EAR file and click next button.



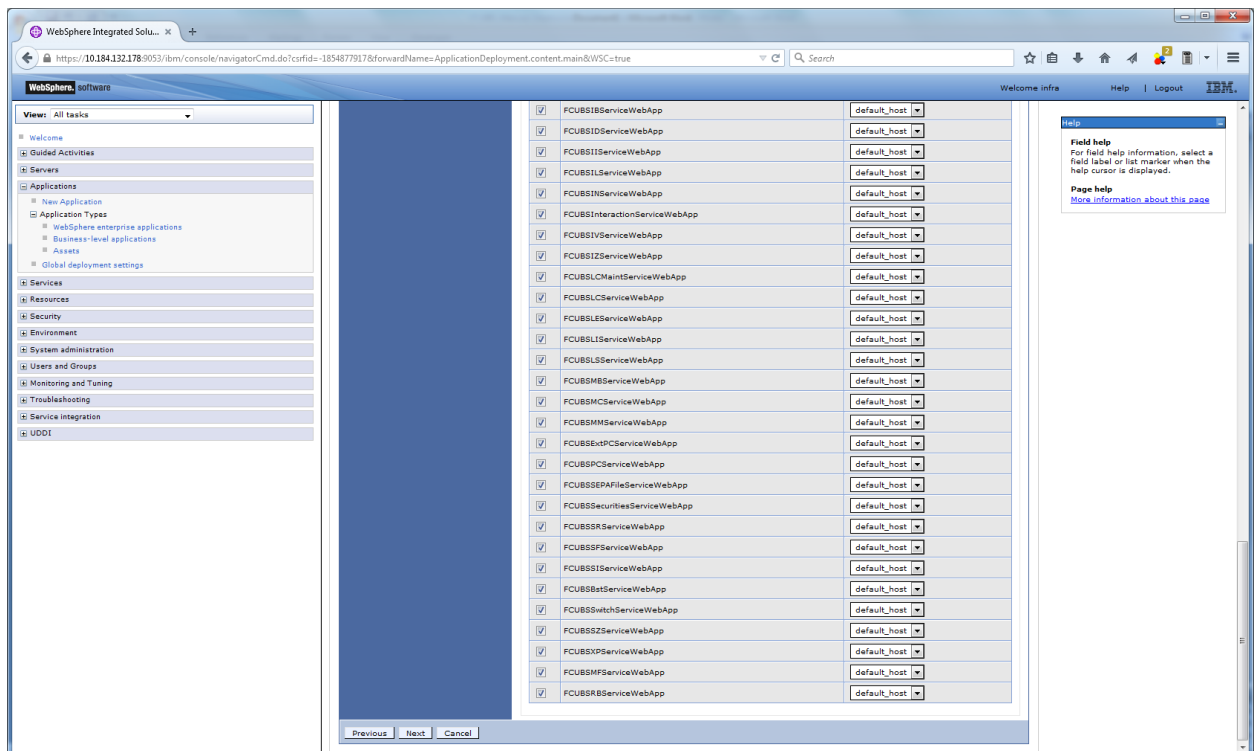
7. Click on next and the following screen is displayed.



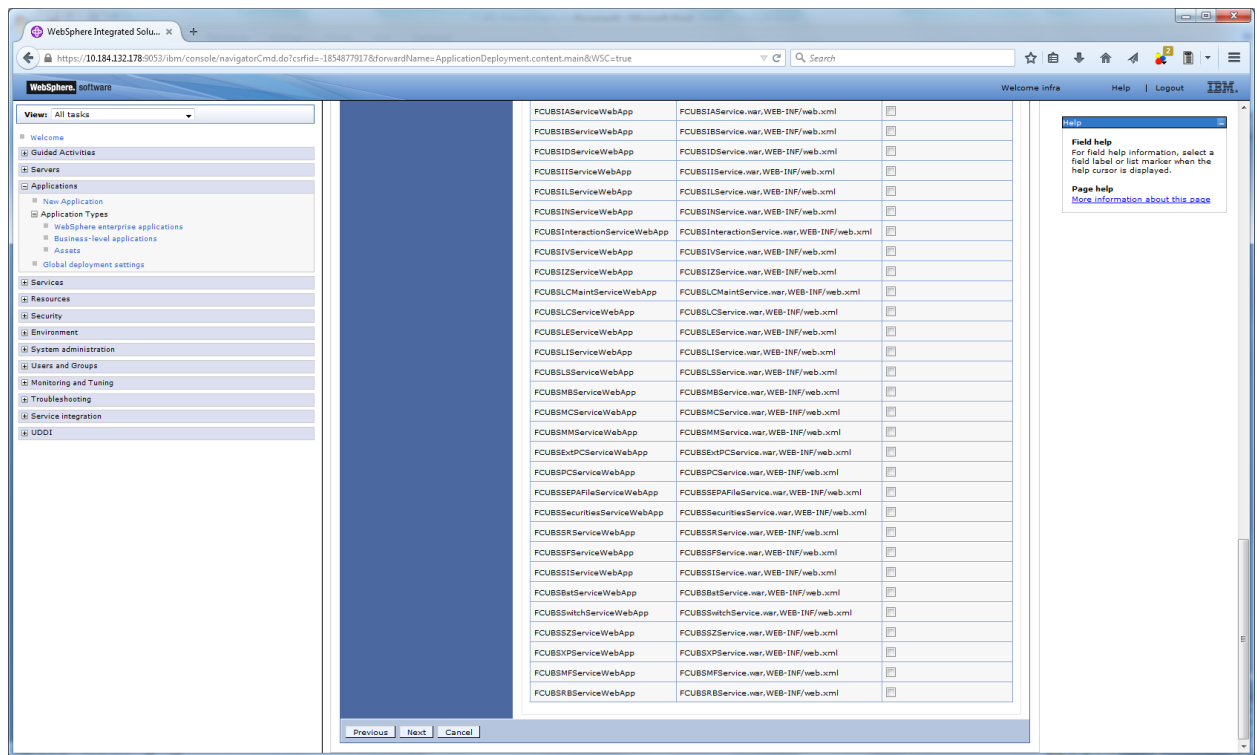
9. Click on next and the following screen is displayed.



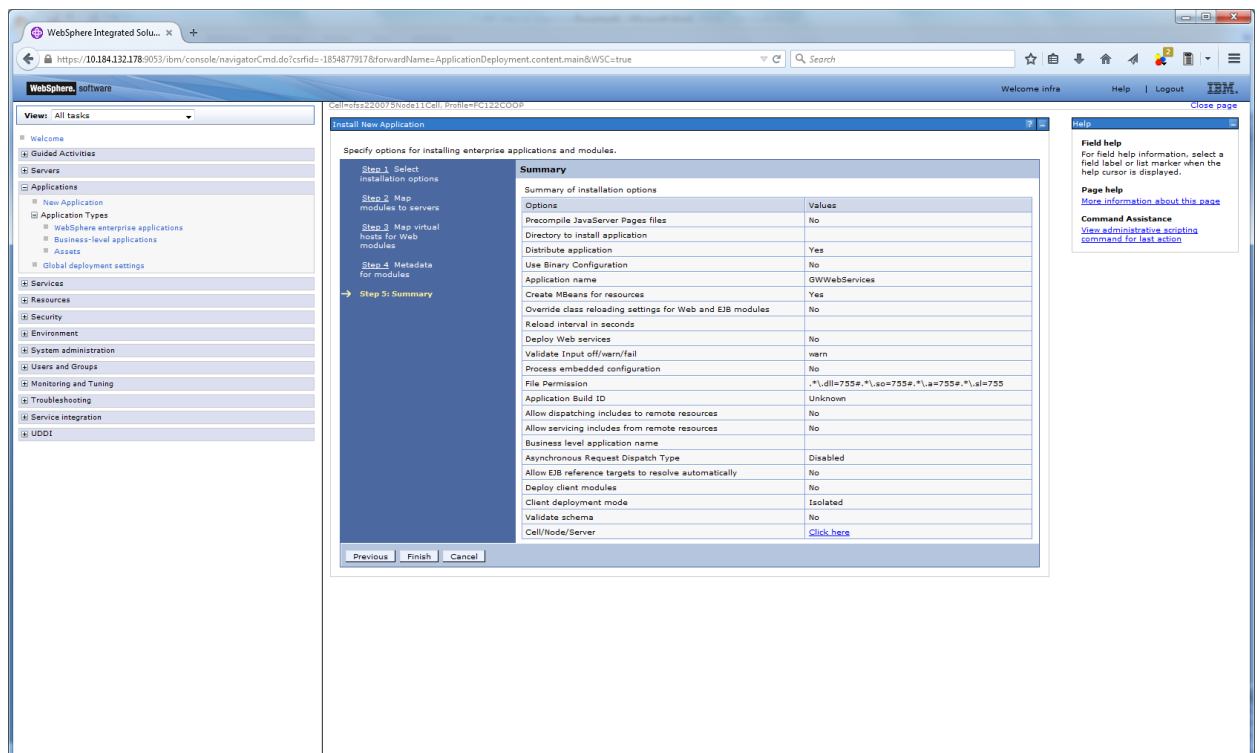
10. Click on next and the following screen is displayed.



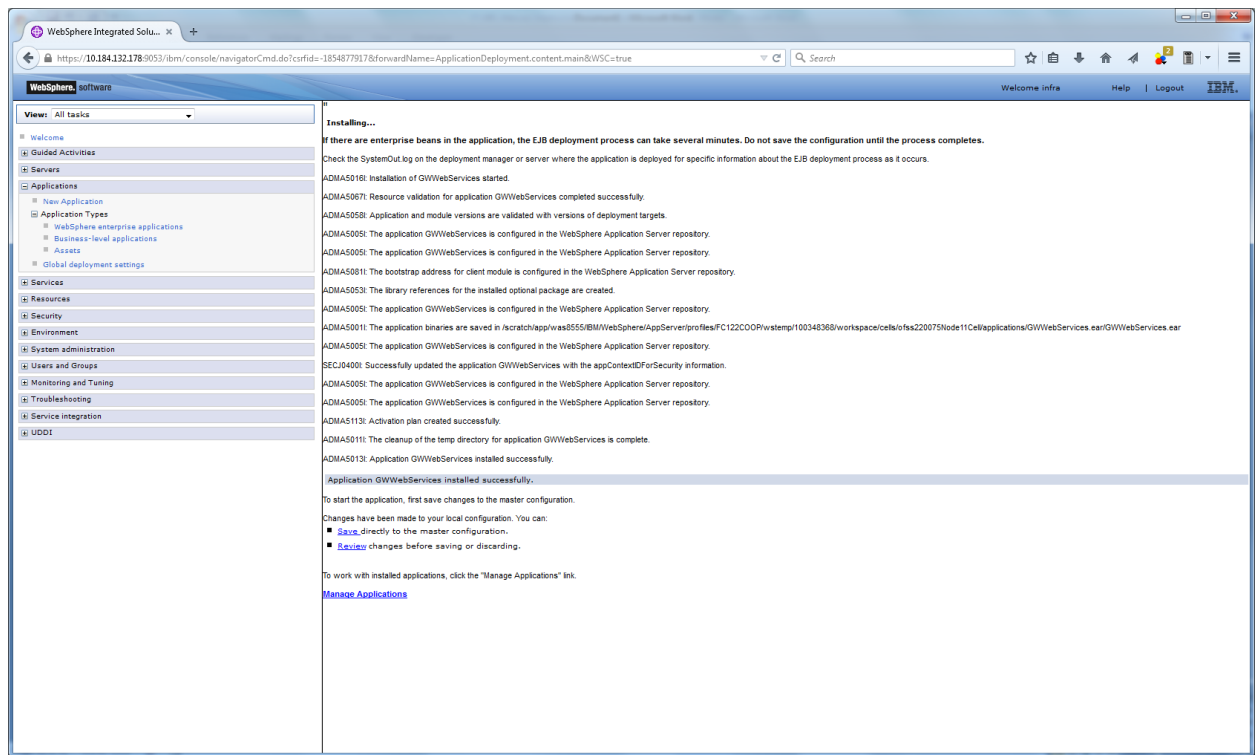
11. Click on next and the following screen is displayed.



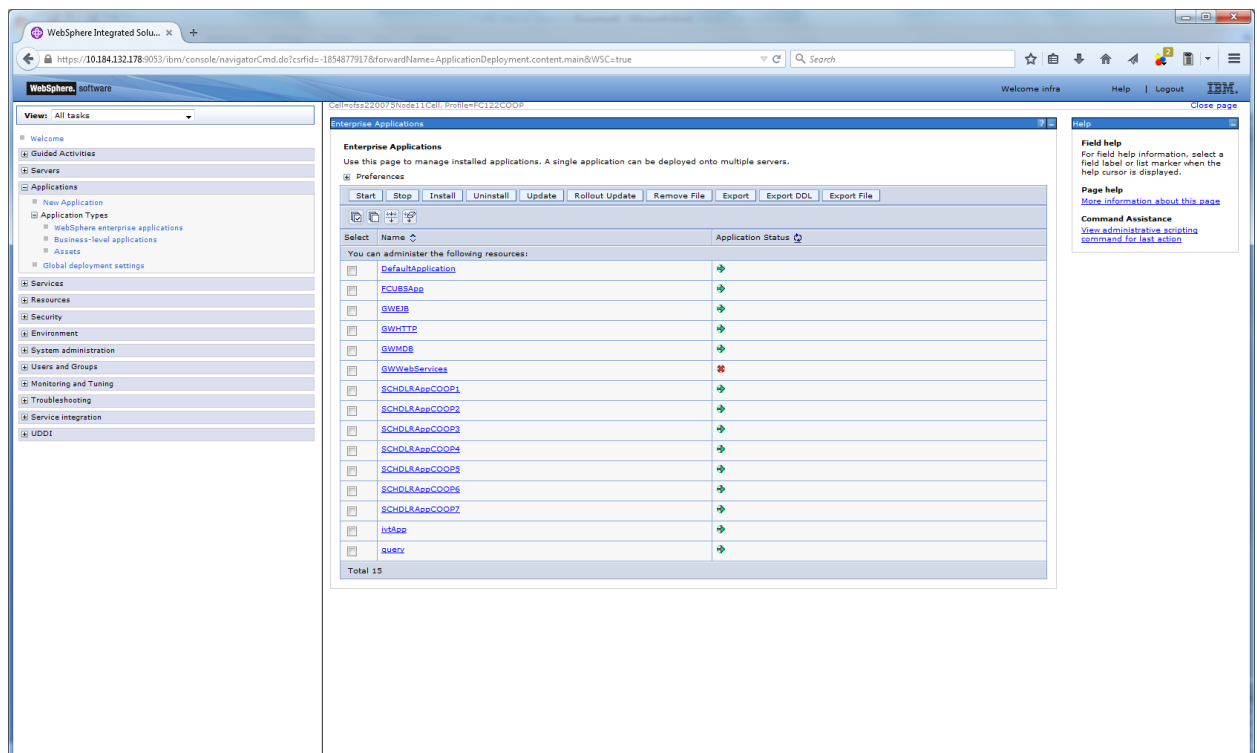
12. Click on next and the following screen is displayed.



13. Click on finish and the following screen displayed.



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



15. Select the installed application and click on start.

The screenshot shows the WebSphere Integrated Solutions console. The left sidebar contains a navigation menu with options 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' and displays a table of installed applications. The table has columns for 'Select', 'Name', and 'Application Status'. The 'GWWebServices' application is listed with a status of 'Started'. A message box at the top of the main area states: 'Application GWHTTP on server server1 and node ofas220075Node11 Cell: #Profile=PC122COOP started successfully. The collection may need to be refreshed to show the current status.'

Select	Name	Application Status
<input type="checkbox"/>	DefaultApplication	Started
<input type="checkbox"/>	ECUSApp	Started
<input type="checkbox"/>	GWELB	Started
<input type="checkbox"/>	GWHTTP	Started
<input type="checkbox"/>	GWHCB	Started
<input type="checkbox"/>	GWWebServices	Started
<input type="checkbox"/>	SCHDLRAppCOOP1	Started
<input type="checkbox"/>	SCHDLRAppCOOP2	Started
<input type="checkbox"/>	SCHDLRAppCOOP3	Started
<input type="checkbox"/>	SCHDLRAppCOOP4	Started
<input type="checkbox"/>	SCHDLRAppCOOP5	Started
<input type="checkbox"/>	SCHDLRAppCOOP6	Started
<input type="checkbox"/>	SCHDLRAppCOOP7	Started
<input type="checkbox"/>	ivApp	Started
<input type="checkbox"/>	quartz	Started

GWWebServices application has been deployed successfully.



Deploying Oracle FLEXCUBE on WebSphere
[May] [2017]
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