

Deploying Oracle Banking Treasury Management Application
on WebSphere
Oracle Banking Treasury Management
Release 14.7.0.0.0
Part No. F72699-01
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Table of Contents

1.	DEPLOYING ORACLE BANKING TREASURY MANAGEMENT ON WEBSPHERE	1-1
1.1	INTRODUCTION	1-1
1.2	DEPLOYING APPLICATION.....	1-1
1.2.1	<i>Shared Library Deployment.....</i>	<i>1-1</i>
1.2.2	<i>OBTR Application Deployment</i>	<i>1-4</i>
1.2.3	<i>Link the adapter (Shared Libraries) to the Application.....</i>	<i>1-14</i>
1.2.4	<i>OBTR Scheduler Application Deployment</i>	<i>1-19</i>
1.2.5	<i>OBTR GWEJB Application Deployment</i>	<i>1-27</i>
1.2.6	<i>OBTR GWMDB Application Deployment.....</i>	<i>1-36</i>
1.2.7	<i>OBTR HTTP Application Deployment.....</i>	<i>1-48</i>
1.2.8	<i>OBTR GWWebServices Application Deployment.....</i>	<i>1-56</i>

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.

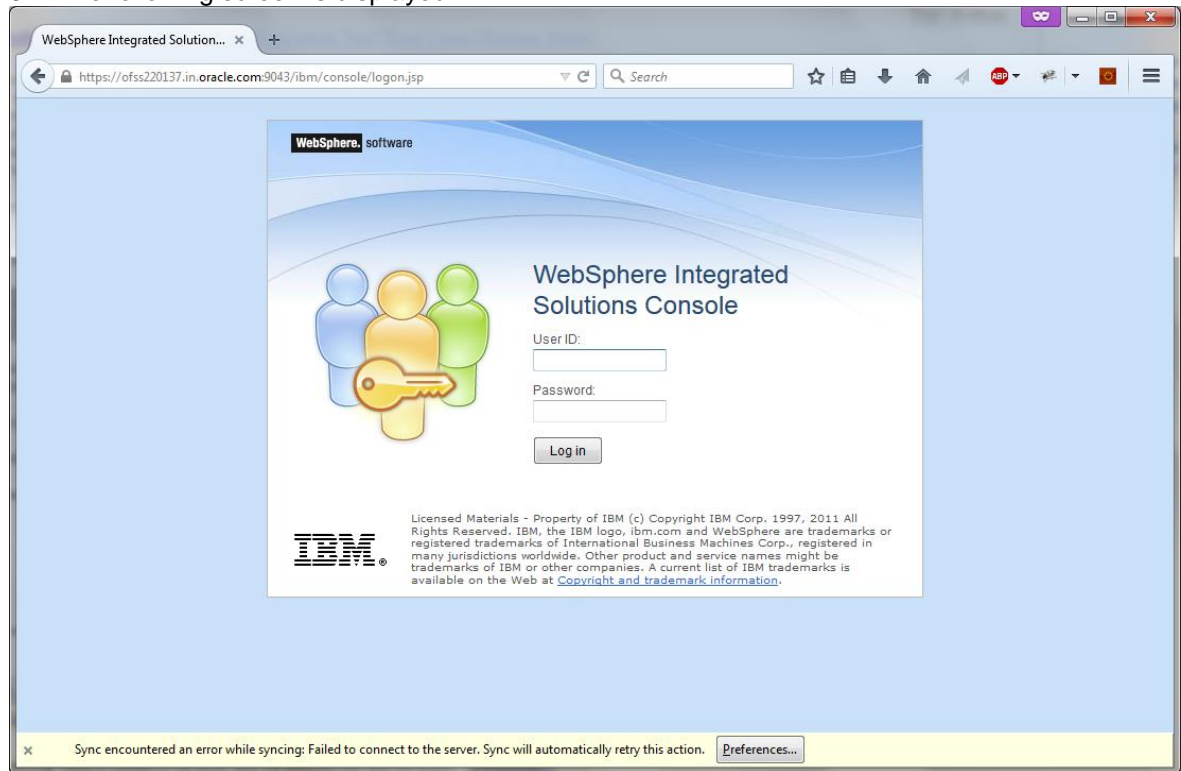
1.2 Deploying Application

1.2.1 Shared Library Deployment

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

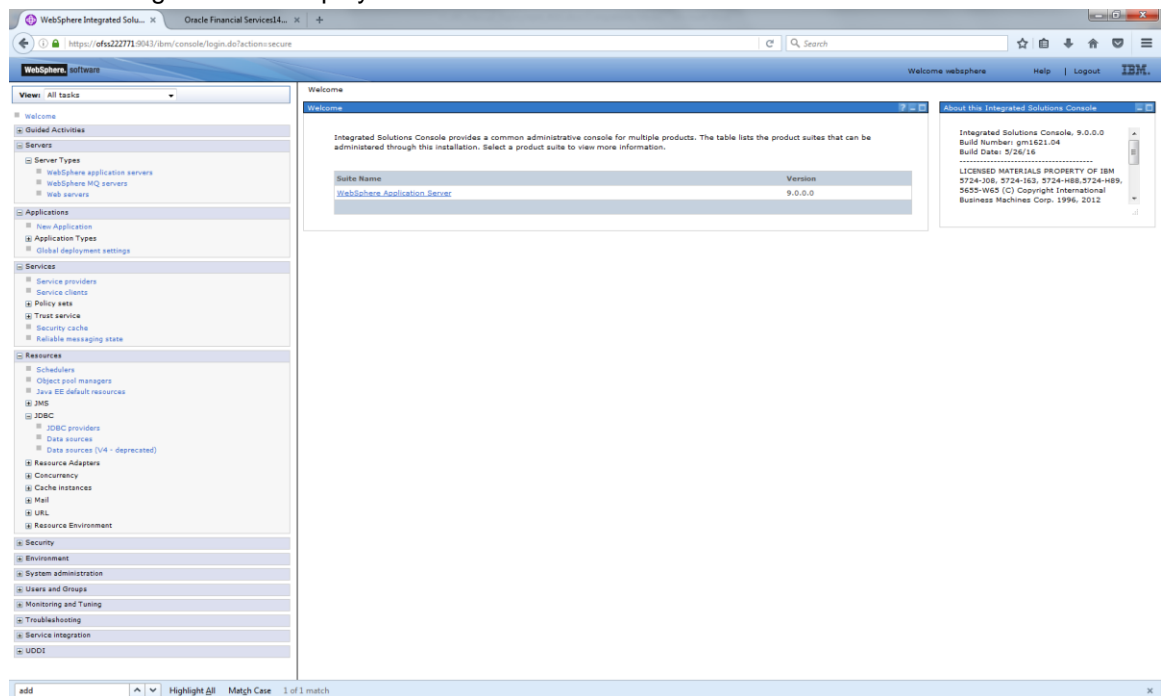
1. Copy Generated Integration Adapter (OBTRExtAdapter.jar) to WebSphere Application server {Was_profile}/OBTRExtadapter. Eg:
/scratch/IBM8559/WebSphere/AppServer/profiles/BGV8559_01/OBTRExtadapter
2. Open the Administrative Console of WebSphere server:
 - Open an internet browser and type the WebSphere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



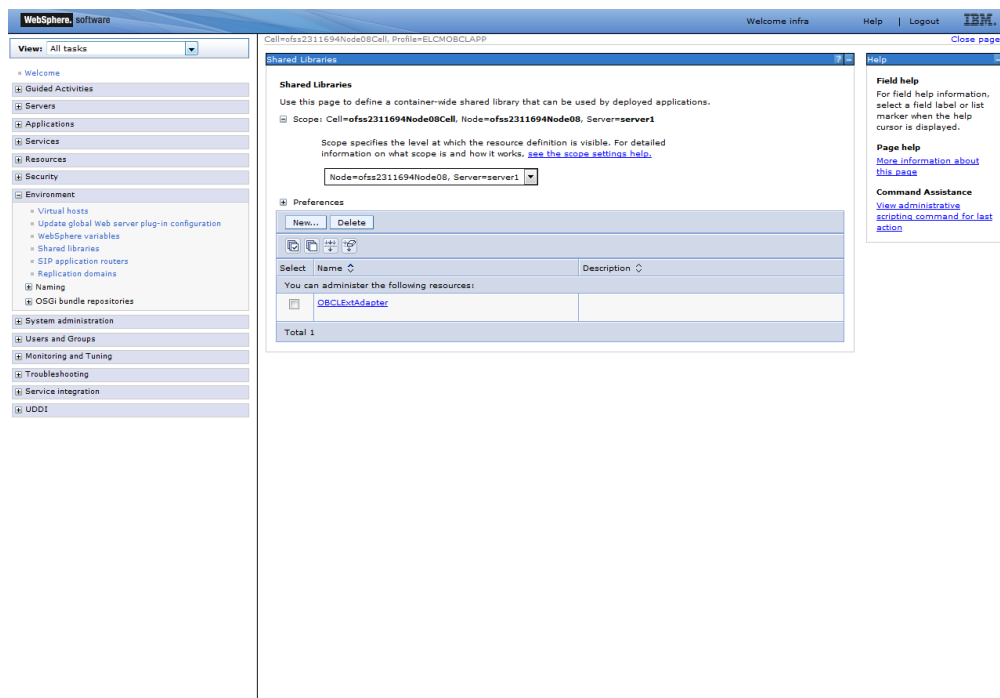
4. Enter the user name and password and click 'Log In' to log in to the application server.
5. Navigate to the WebSphere Home Page.

The following screen is displayed.



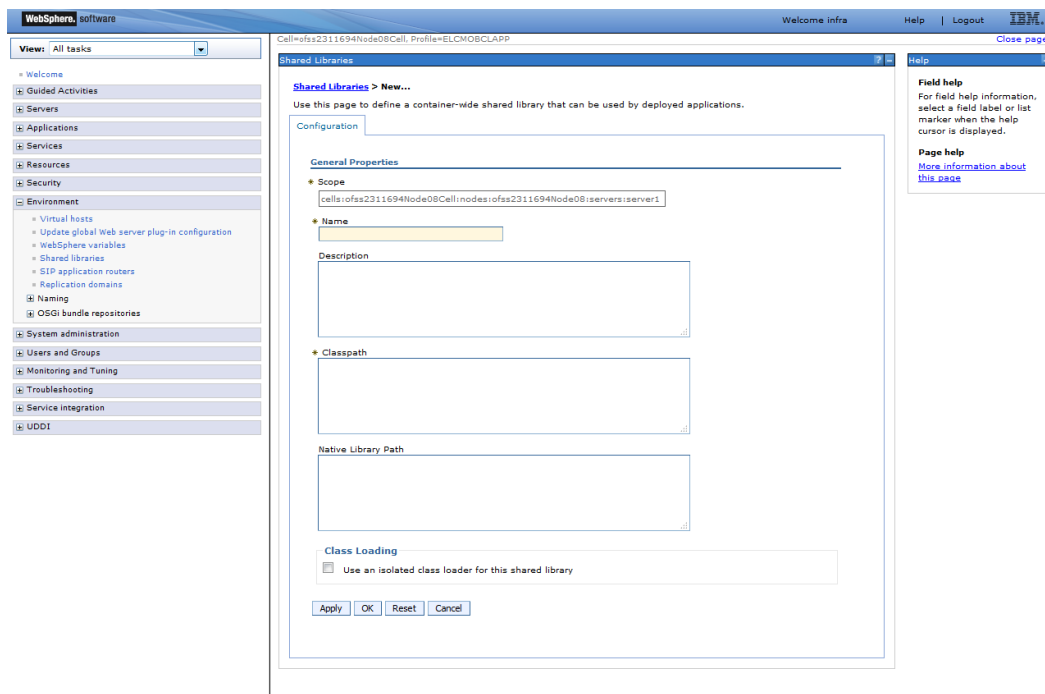
6. Expand Environment from left-side menu and Click 'Shared Libraries'.

The following screen is displayed.



7. Click on New

The following screen is displayed.



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

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

The screenshot shows the WebSphere Administrative Console 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 'Environment' category is expanded, showing sub-items like 'Virtual hosts', 'Update global Web server plug-in configuration', 'WebSphere variables', 'Shared libraries', 'SIP application routers', 'Replication domains', 'Naming', and 'OSGi bundle repositories'. The 'Shared libraries' item is selected.

The main content area displays the configuration for a shared library named 'OBTextAdapter'. The title bar indicates 'Cell=ofas2311694Node08Cell, Profile=EJCMOBCLAPP'. The page header includes 'Welcome infra', 'Help', 'Logout', and the IBM logo. A 'Close page' link is in the top right.

The configuration page has a 'Configuration' tab and a 'General Properties' section. It includes the following fields:

- Scope:** cell:ofas2311694Node08Cell:nodes:ofas2311694Node08:servers:server1
- Name:** OBTextAdapter
- Description:** (empty text area)
- Classpath:** /scratch/was8/IBM/WebSphere/AppServer_1/profiles/EJCMOBCLAPP/extjar/OBTextAdapter.jar
- Native Library Path:** (empty text area)
- Class Loading:** ☐ Use an isolated class loader for this shared library

At the bottom are buttons for 'Apply', 'OK', 'Reset', and 'Cancel'. A 'Field help' sidebar on the right explains that for field help information, a field label or list marker should be selected when the help cursor is displayed. A 'Page help' link is also present.

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:

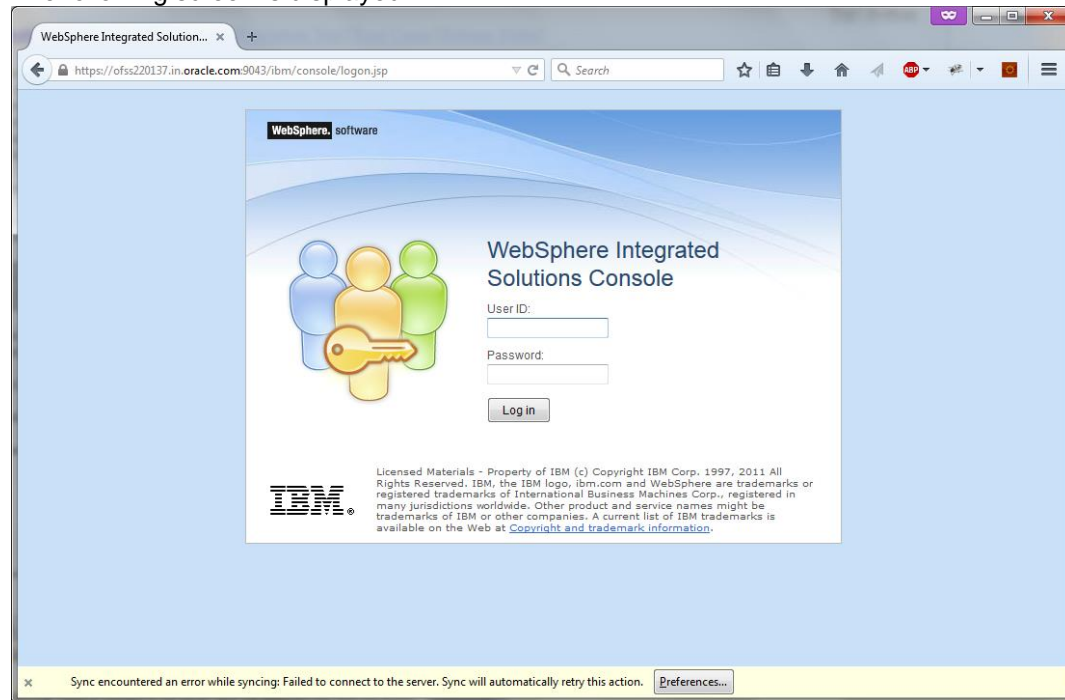
9. Open the Administrative Console of WebSphere server:

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.

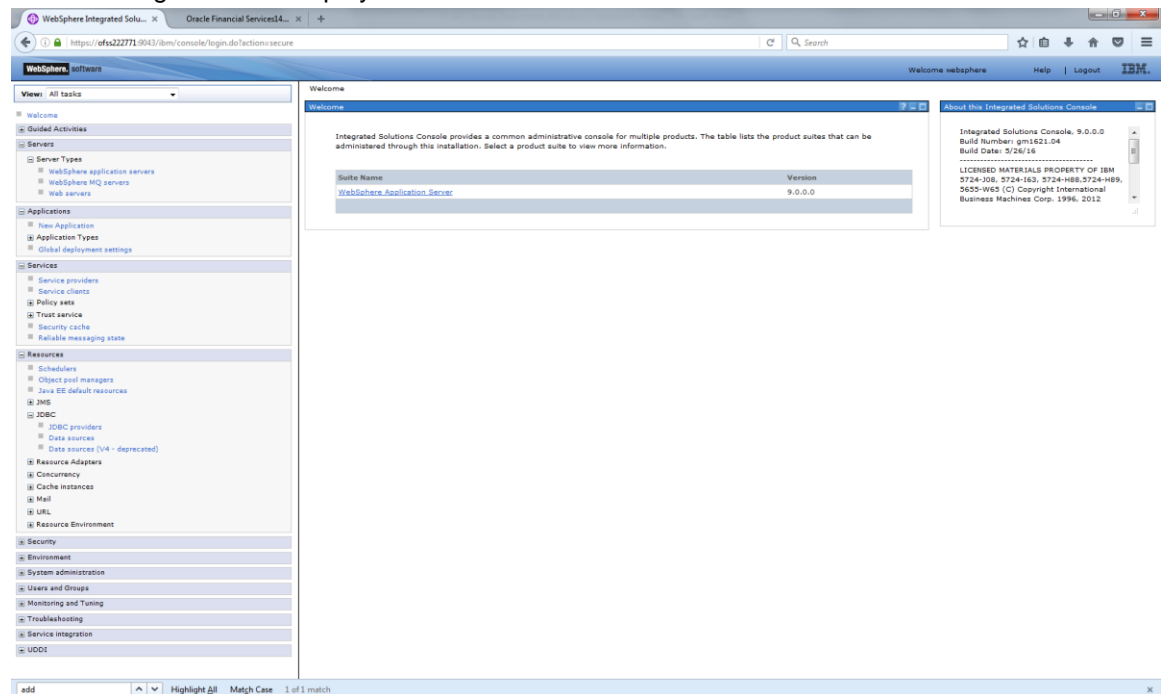
The following screen is displayed:



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

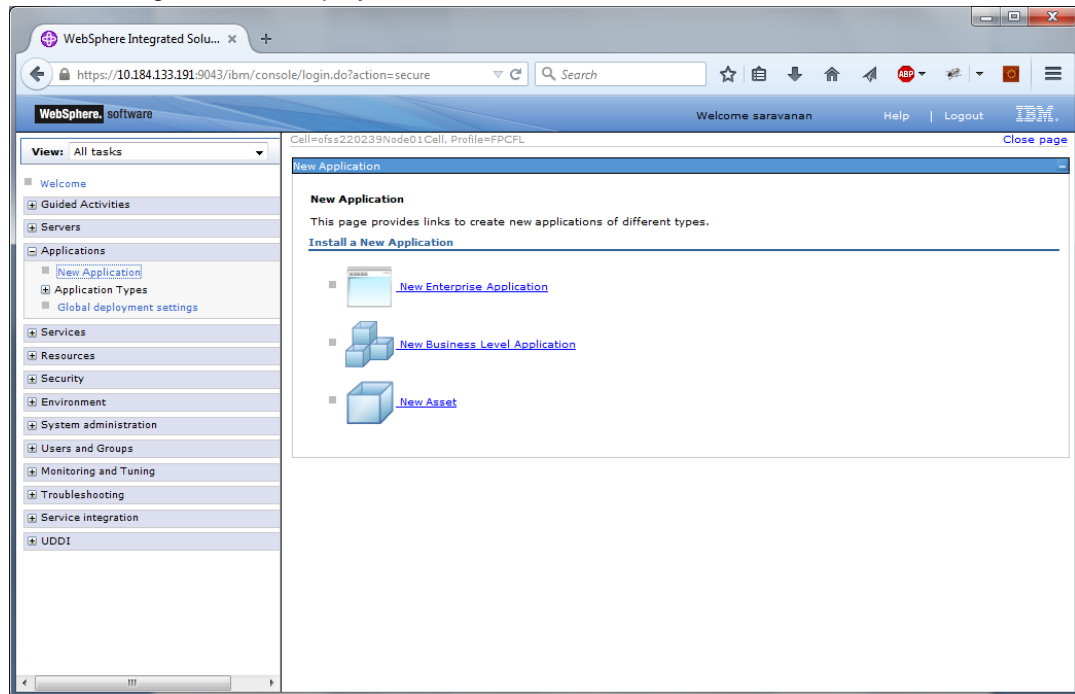
11. Navigate to the WebSphere Home Page.

The following screen is displayed.

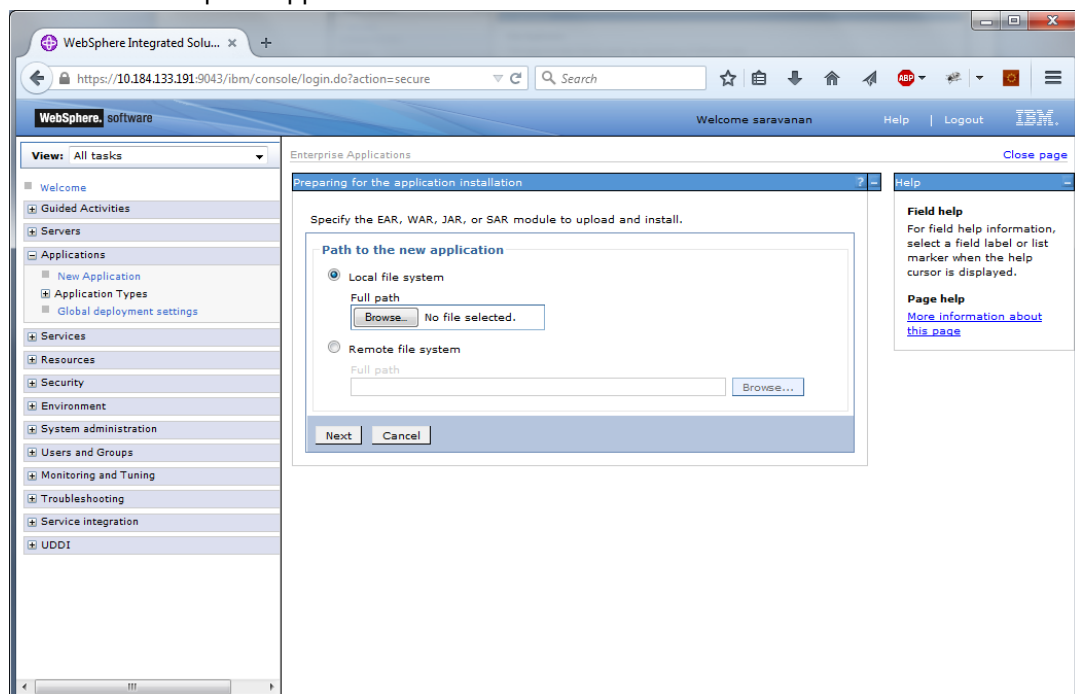


12. Expand Applications from left-side menu and Click 'New Application'.

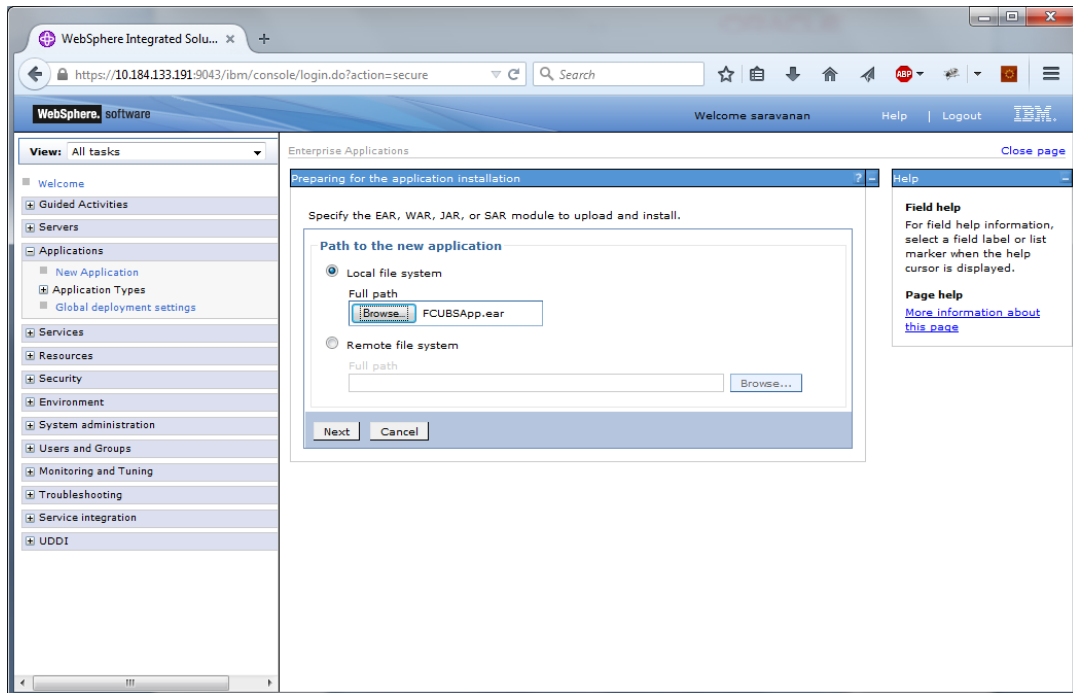
The following screen is displayed.



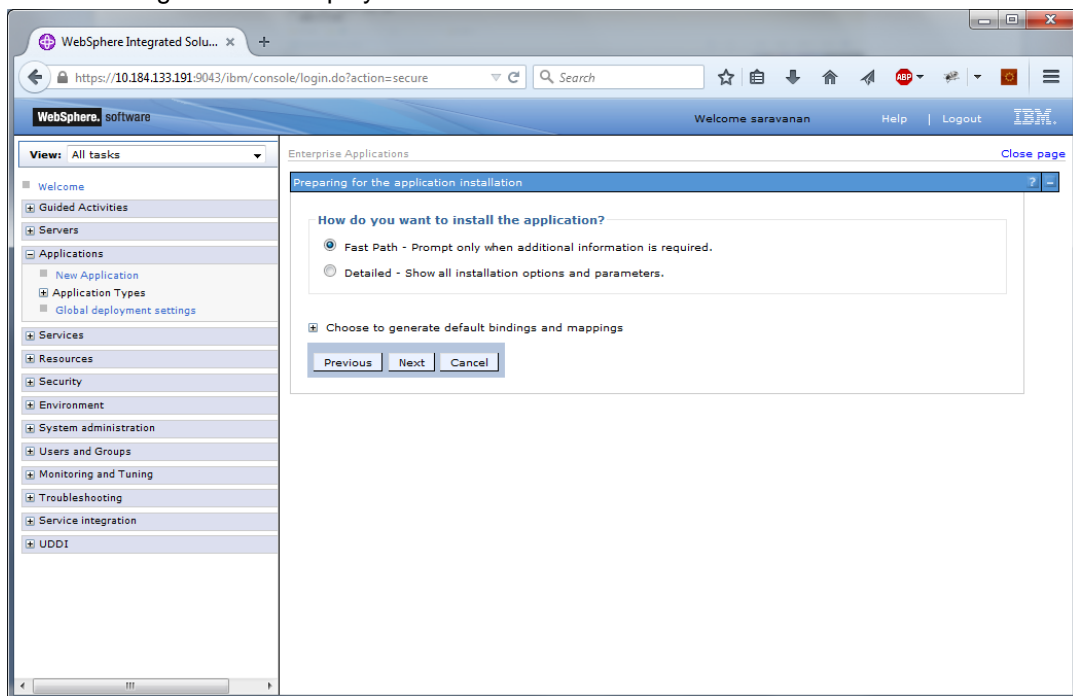
13. Click 'New Enterprise Application'.



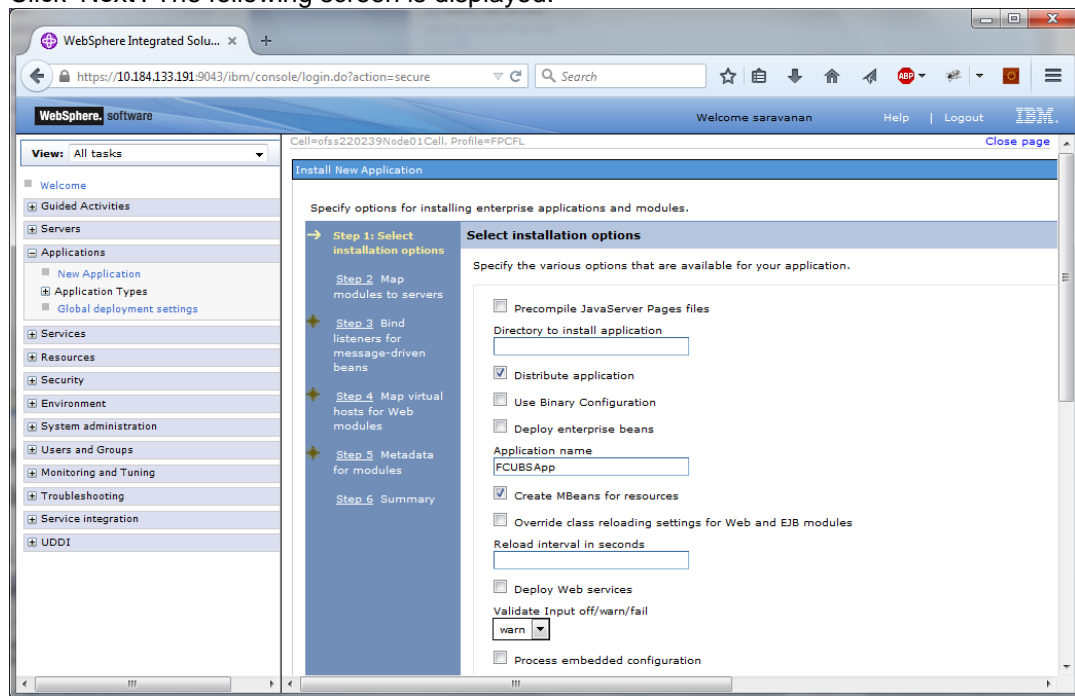
14. Browse the application EAR file and click next button



The following screen is displayed.

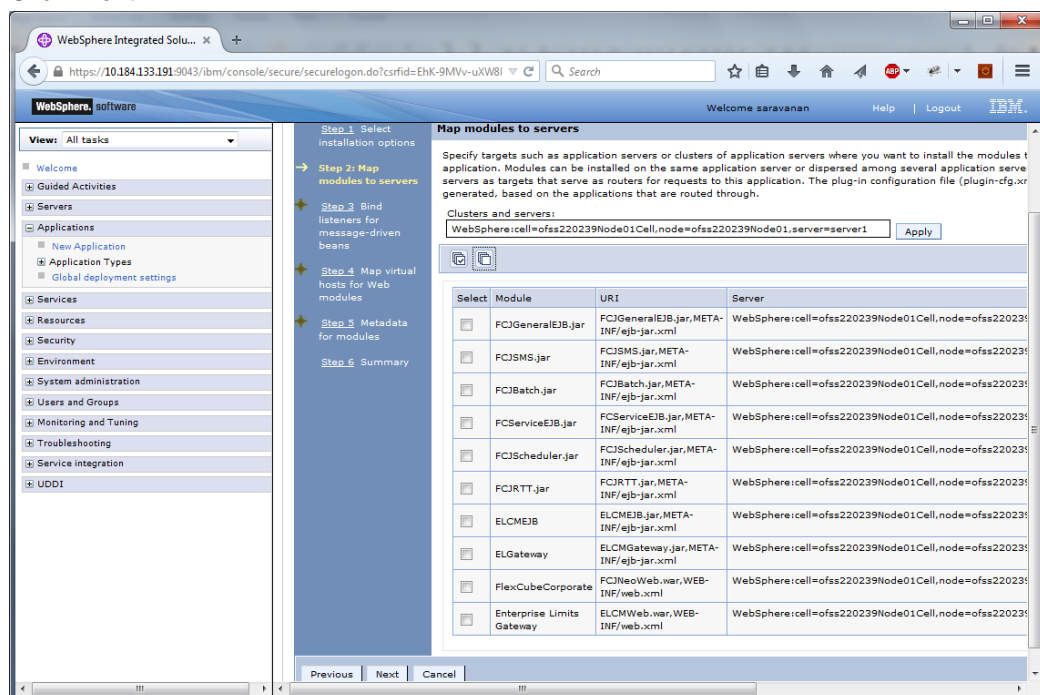


15. Click 'Next'. The following screen is displayed.

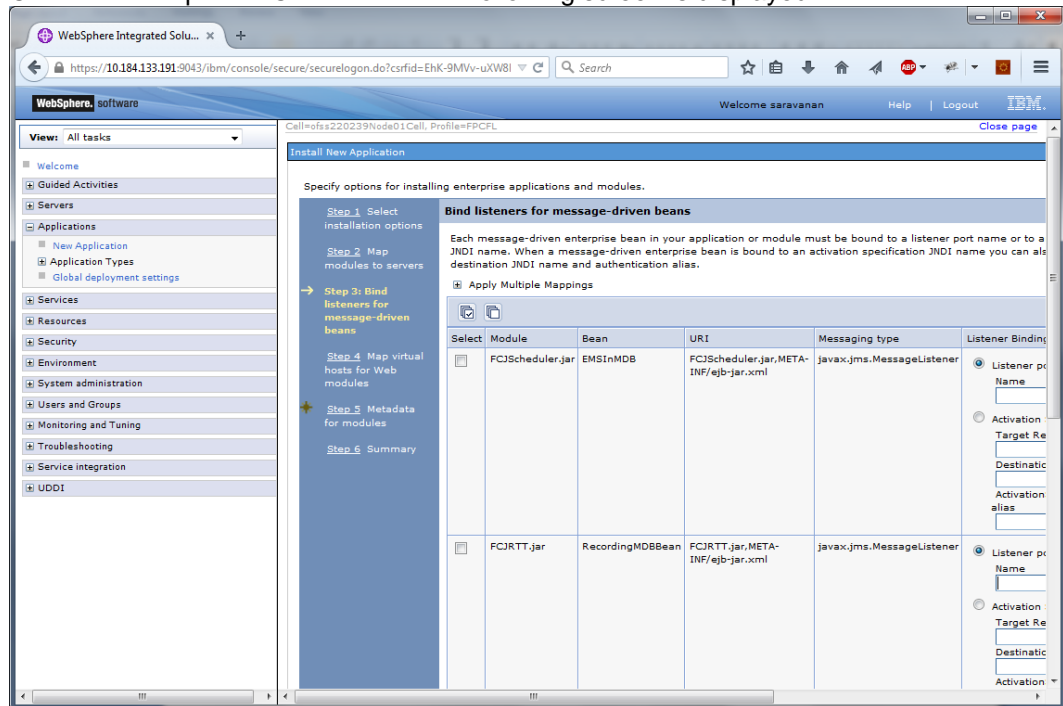


16. Enter the Application Name. This should be the application name mentioned as part of EAR building.

17. Click 'Next'.



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



19. Specify the details as shown in the figure.

Select	Module	Bean	URI	Messaging type	Listener Bindings
<input type="checkbox"/>	PCScheduler.jar	EMSIinMDB	PCJScheduler.jar;META-INF/eb-jar.xml	javax.jms.MessageListener	<input checked="" type="radio"/> Listener port Name: EMSI_listener <input type="radio"/> Activation Specification Target Resource JNDI Name: Destination JNDI name: ActivationSpec authentication alias:
<input type="checkbox"/>	FCJRT.jar	RecordingMDBBean	FCJRT.jar;META-INF/eb-jar.xml	javax.jms.MessageListener	<input checked="" type="radio"/> Listener port Name: RecordingMDB_listener <input type="radio"/> Activation Specification Target Resource JNDI Name: Destination JNDI name: ActivationSpec authentication alias:
<input type="checkbox"/>	ELGateway	ELGWMDB	ELCMGateway.jar;META-INF/eb-jar.xml	javax.jms.MessageListener	<input checked="" type="radio"/> Listener port Name: ELCMGateway_listener <input type="radio"/> Activation Specification Target Resource JNDI Name: Destination JNDI name: ActivationSpec authentication alias:
<input type="checkbox"/>	ELGateway	ELNotifyMDB	ELCMGateway.jar;META-INF/eb-jar.xml	javax.jms.MessageListener	<input checked="" type="radio"/> Listener port Name: ELNotifyMDB_listener <input type="radio"/> Activation Specification Target Resource JNDI Name: Destination JNDI name: ActivationSpec authentication alias:

20. Click 'Next'. Following screen is displayed

Specify options for installing enterprise applications and modules.

Map virtual hosts for Web modules

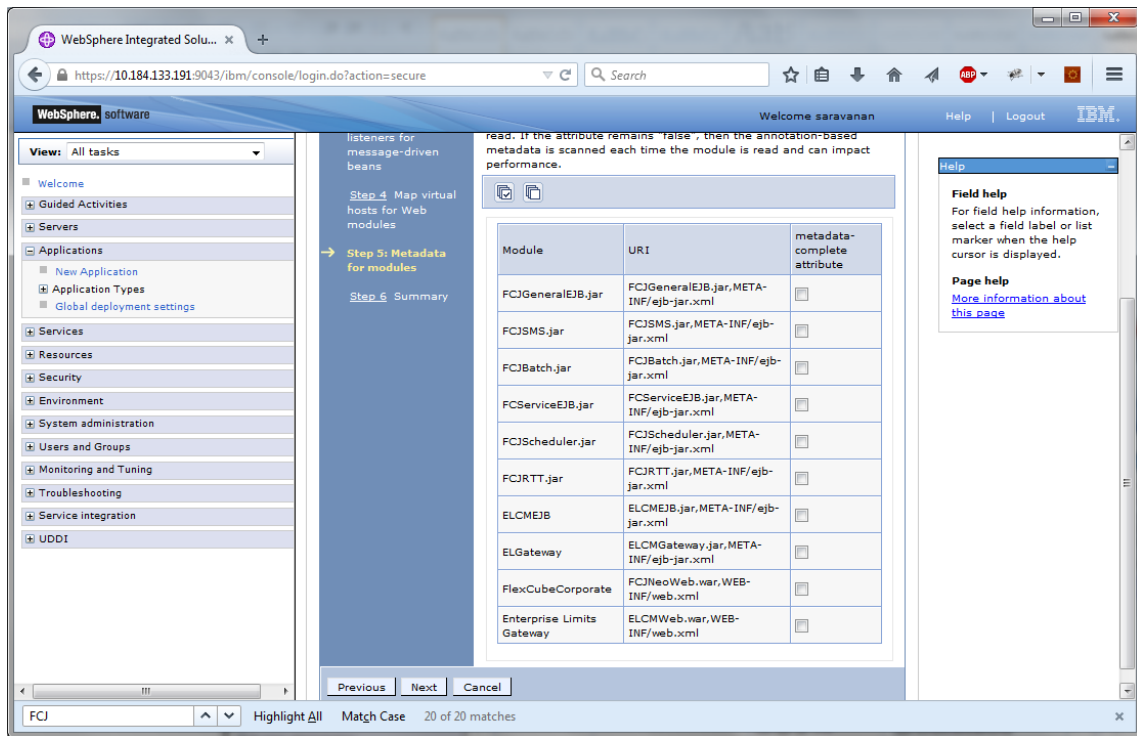
Specify the virtual host for the Web modules that are contained in your application. You can install Web modules on the same virtual host or disperse them among several hosts.

☒ Apply Multiple Mappings

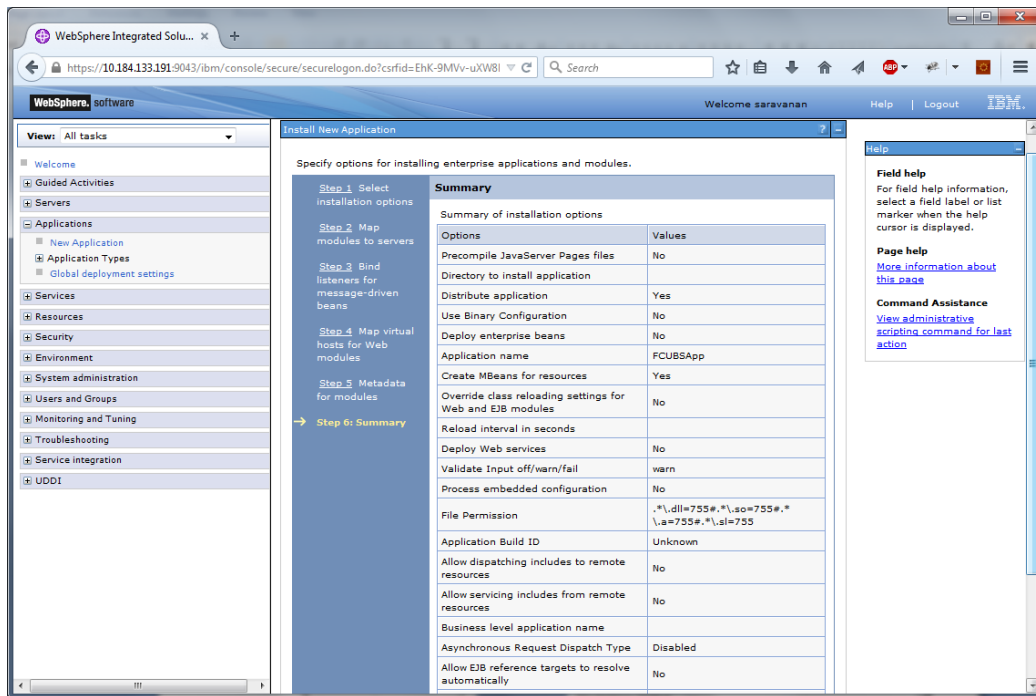
Select	Web module	Virtual host
<input type="checkbox"/>	FlexCubeCorporate	default_host
<input type="checkbox"/>	Enterprise Limits Gateway	default_host

21. Click 'Next'.

The following screen is displayed.

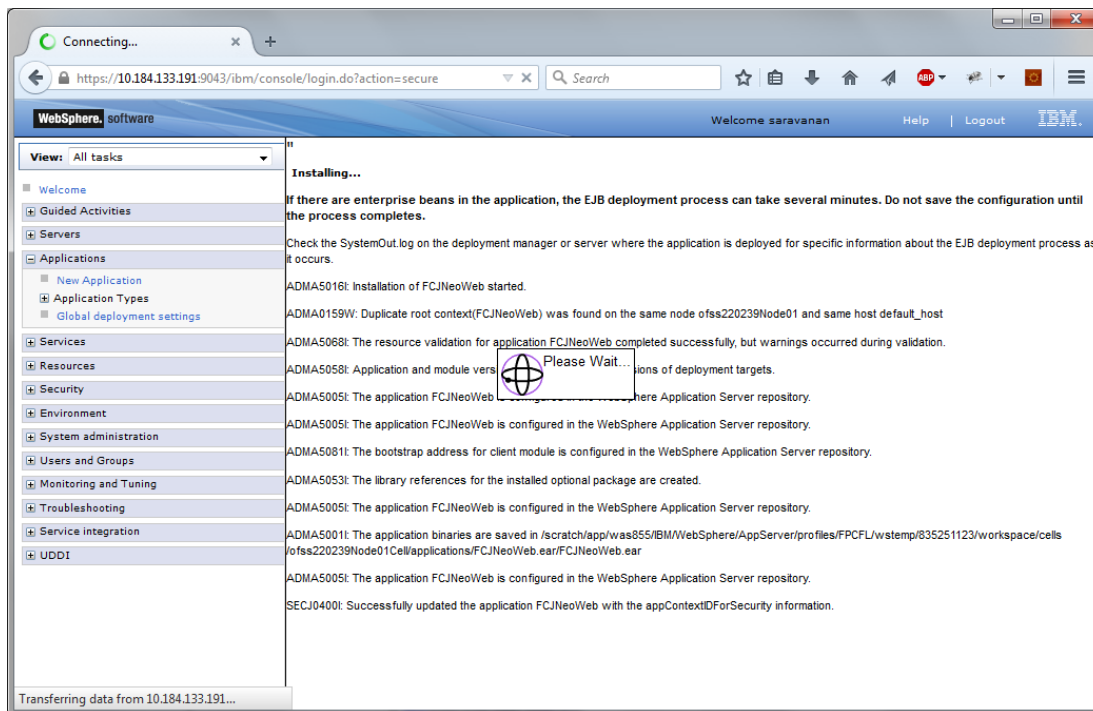


22. Click next.

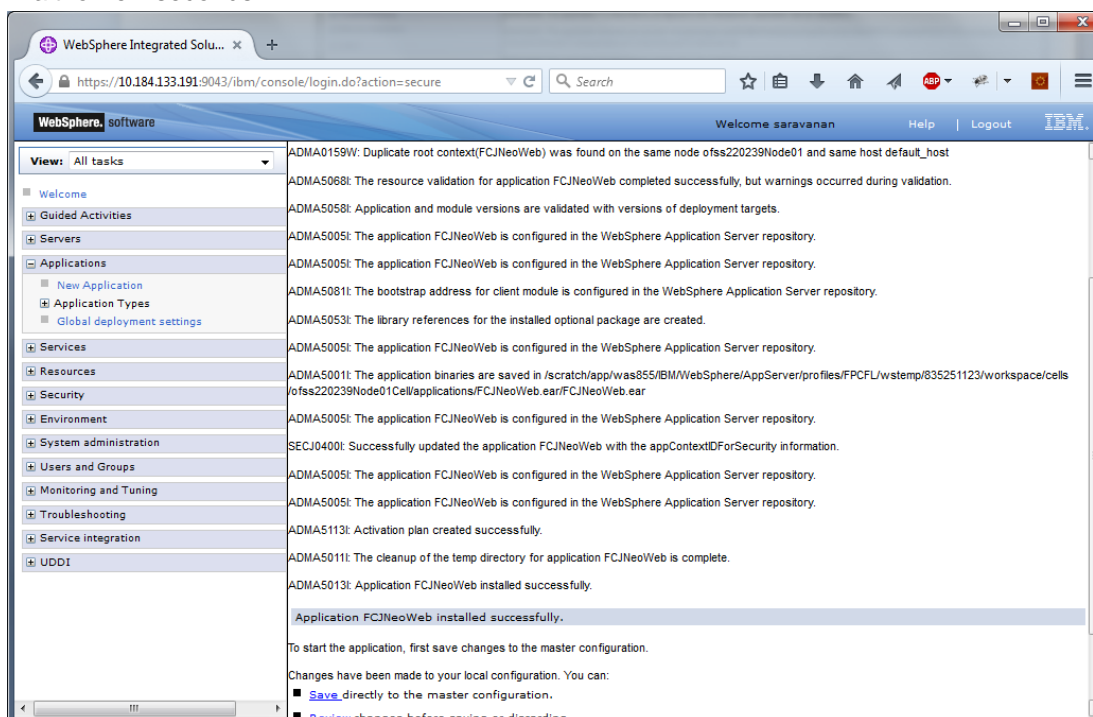


23. Click 'Finish'.

The following screen is displayed.

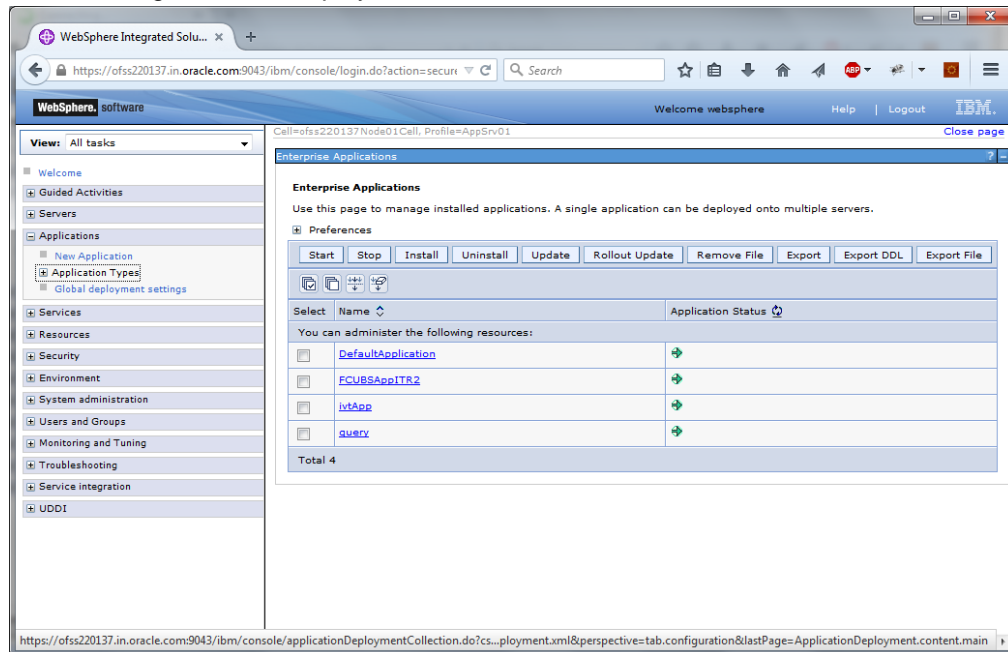


Wait for few seconds...



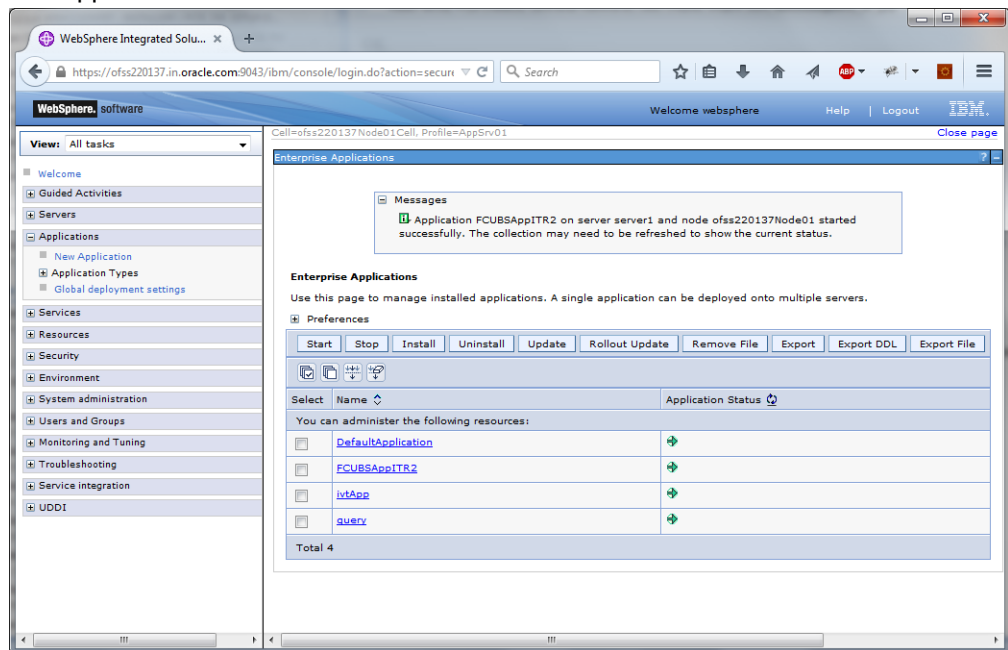
24. Click 'Save'.

The following screen is displayed.



25. Select the application and click 'Start'.

The application starts as shown below:



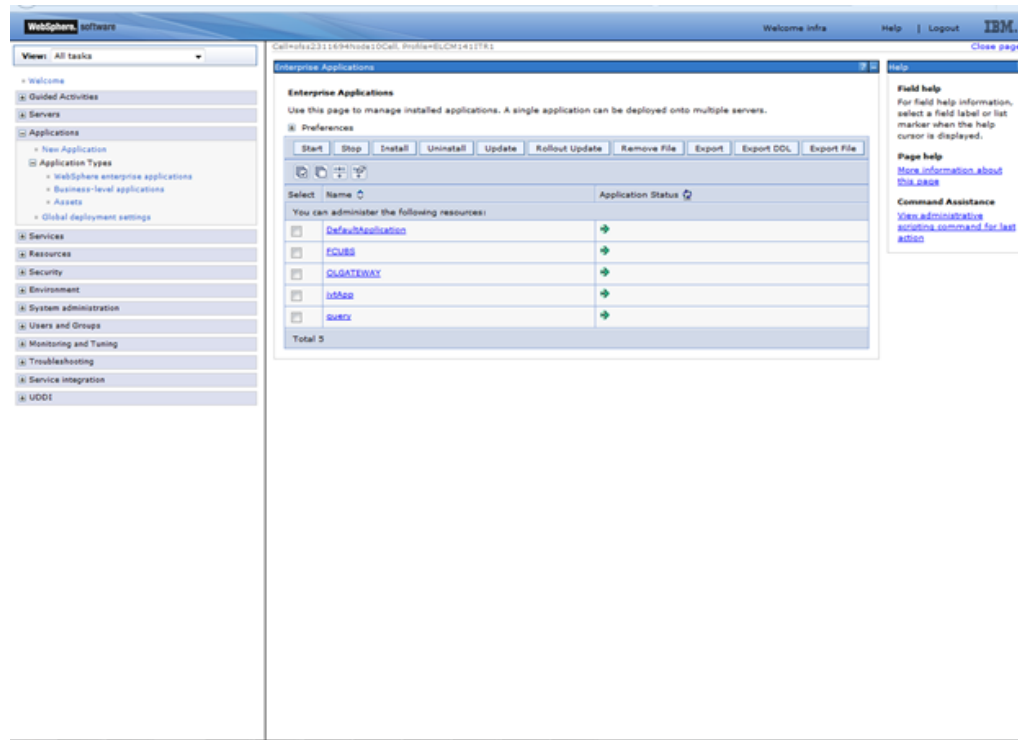
This completes the deployment of EAR (FCJNeoWeb.ear) on IBM WebSphere 9.0.0.0 Application Server from the Administration Console.

1.2.3 Link the adapter (Shared Libraries) to the Application

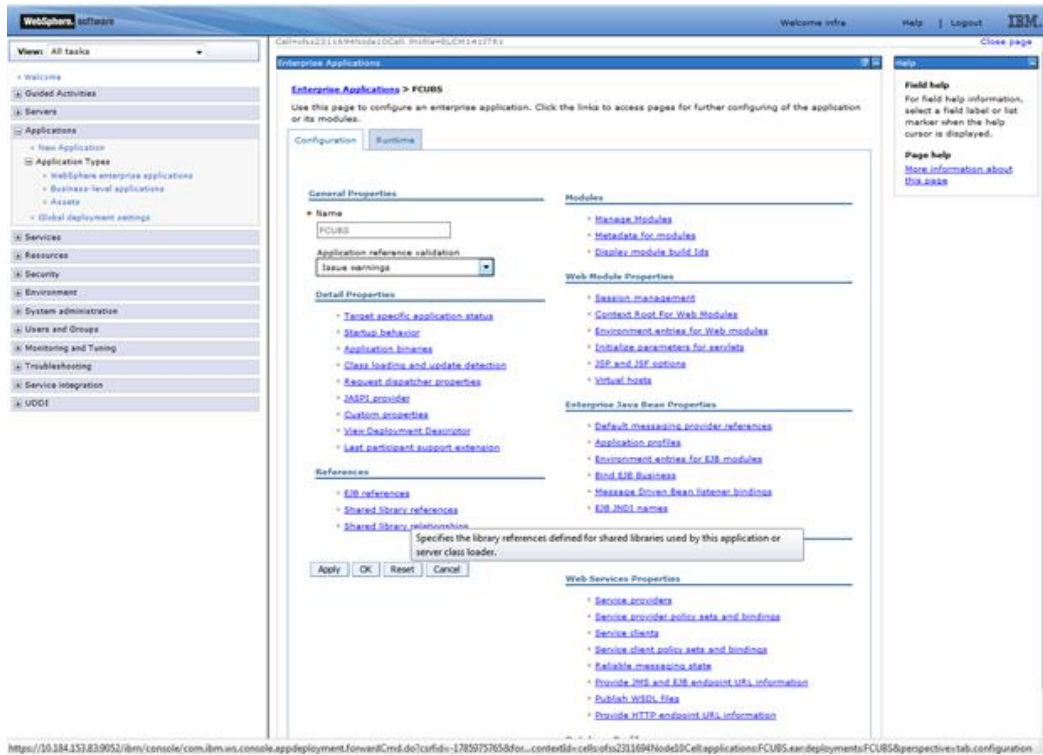
1. Open the Administrative Console of WebSphere server:
2. Open an internet browser and type the WebSphere Admin Console URL
`http://{Host}:{Port}/console`.
3. Eg: `https://10.10.10.10:1010/console`
4. In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running

Go to Applications→ Application types →WebSphere enterprise applications →

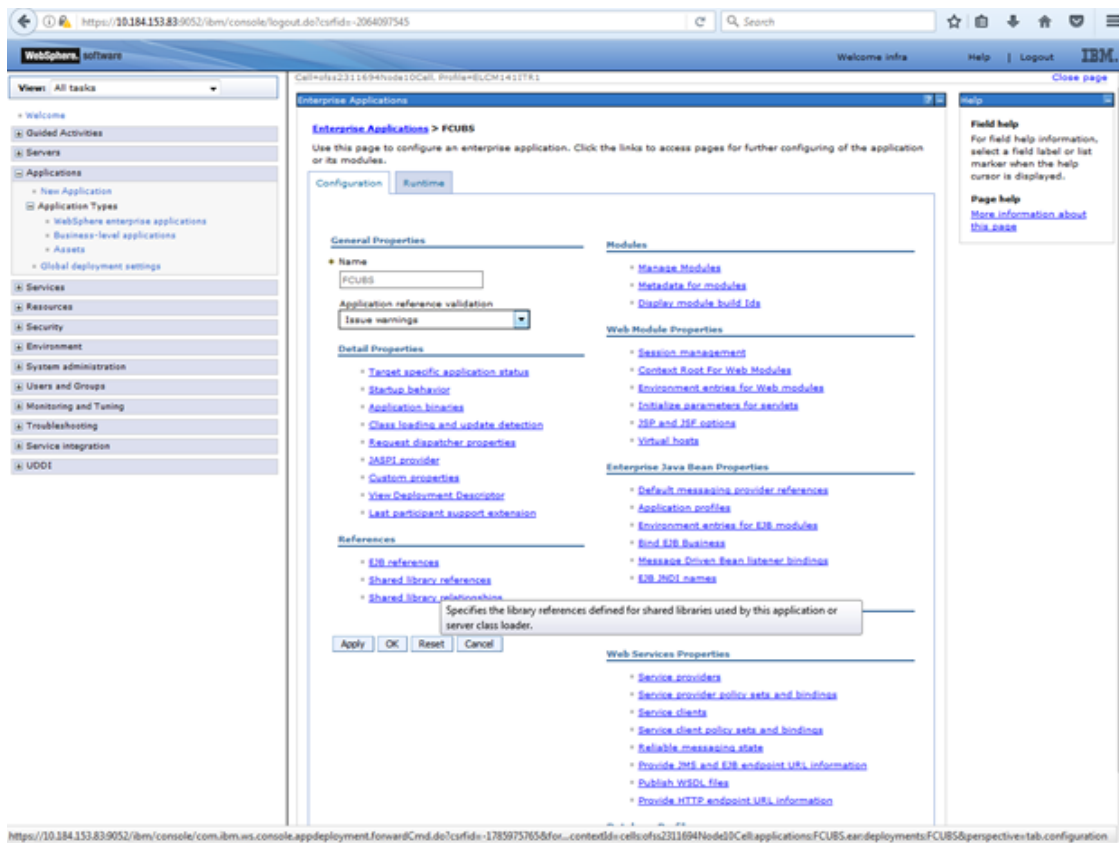
Click on the resource where the adapter to be added (here it is FCUBS)



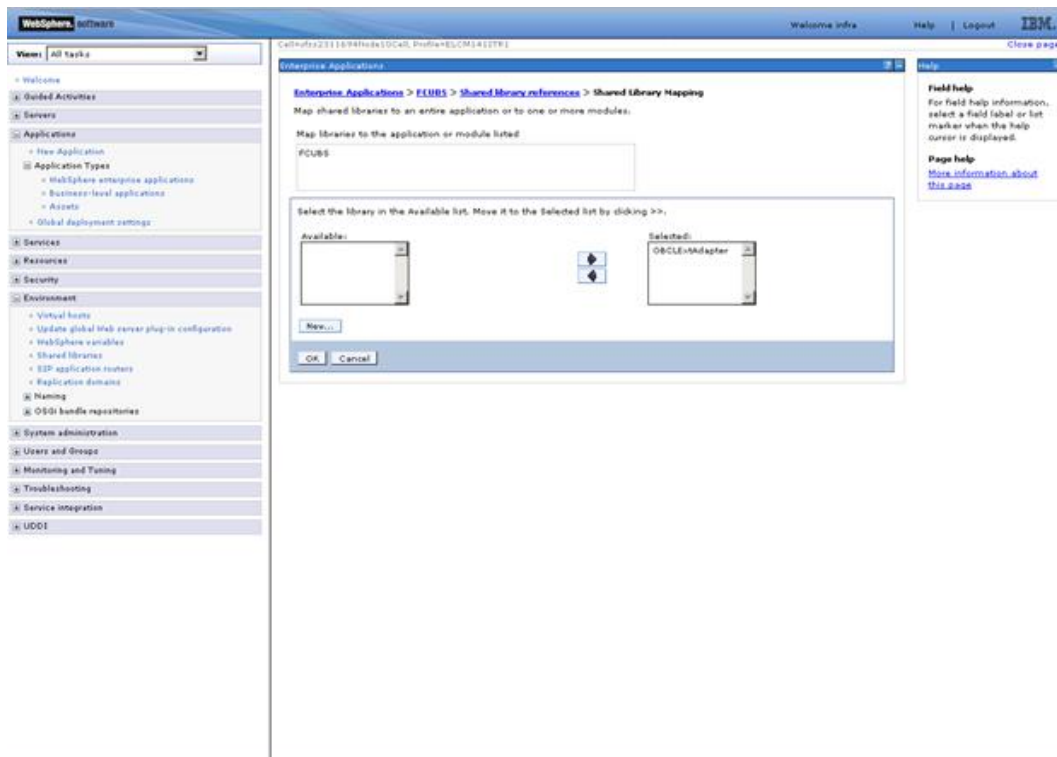
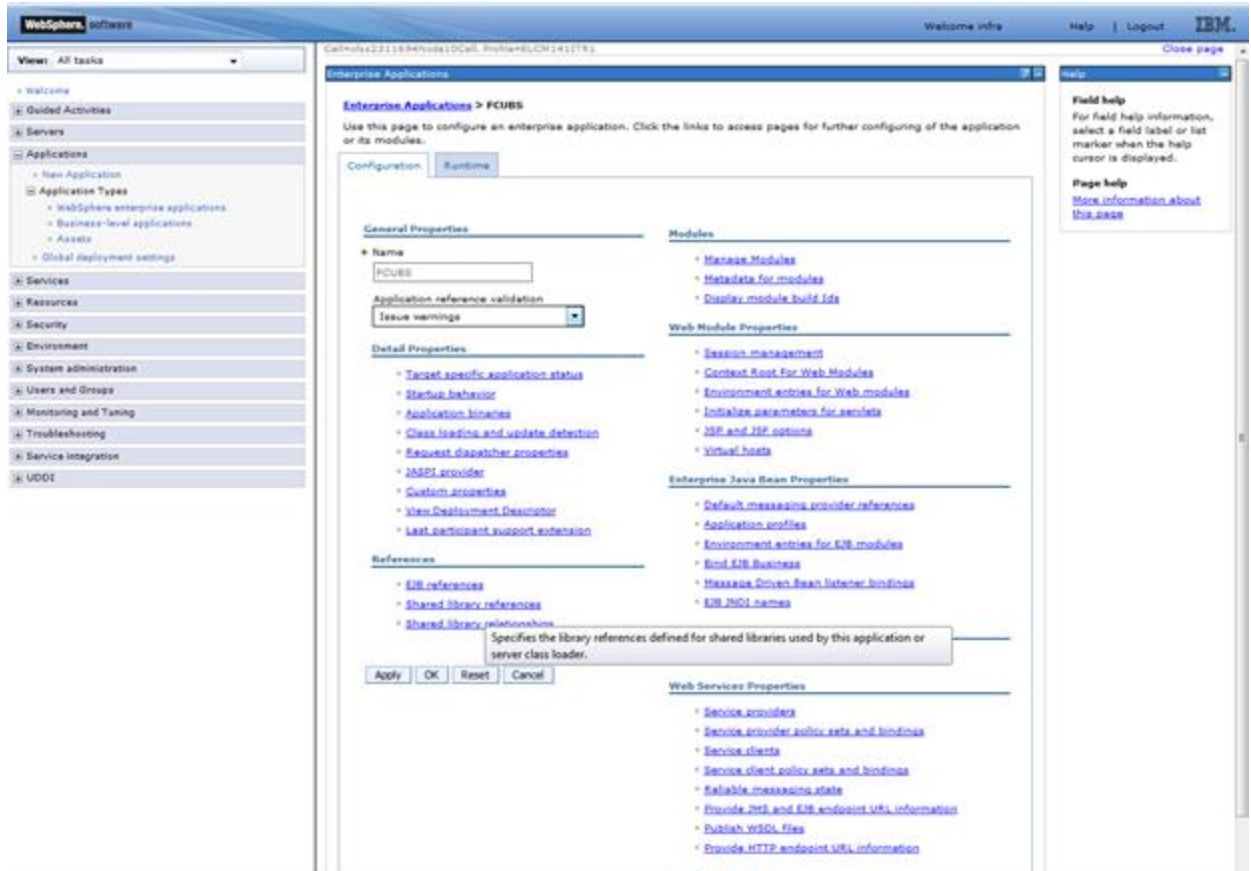
It will open configuration page of FCUBS. Click on Reference > shared library reference



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.



Click ok

WebSphere software

Welcome info Help Logout IBM

View: All tasks

- Welcome
- Guided Activities
- Servers
- Applications
 - New Application
 - Application Types
 - WebSphere enterprise applications
 - Business-level applications
 - Assets
 - Global deployment settings
- Services
- Resources
- Security
- Environment
 - Virtual hosts
 - Update global Web server plug-in configuration
 - WebSphere variables
 - Shared libraries
 - SSP application routers
 - Application domains
- Naming
 - OSGi bundle repositories
- System administration
- Users and Groups
- Monitoring and Tuning
- Troubleshooting
- Service integration
- UDOI

Cell=nlx2311694Node10Cell, Profile=EJCM431TR1

Enterprise Applications

Enterprise Applications > FCUBS > 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"/>	FCUBS	META-INF/application.xml	OBCLExAdapter
Select:	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	

OK Cancel

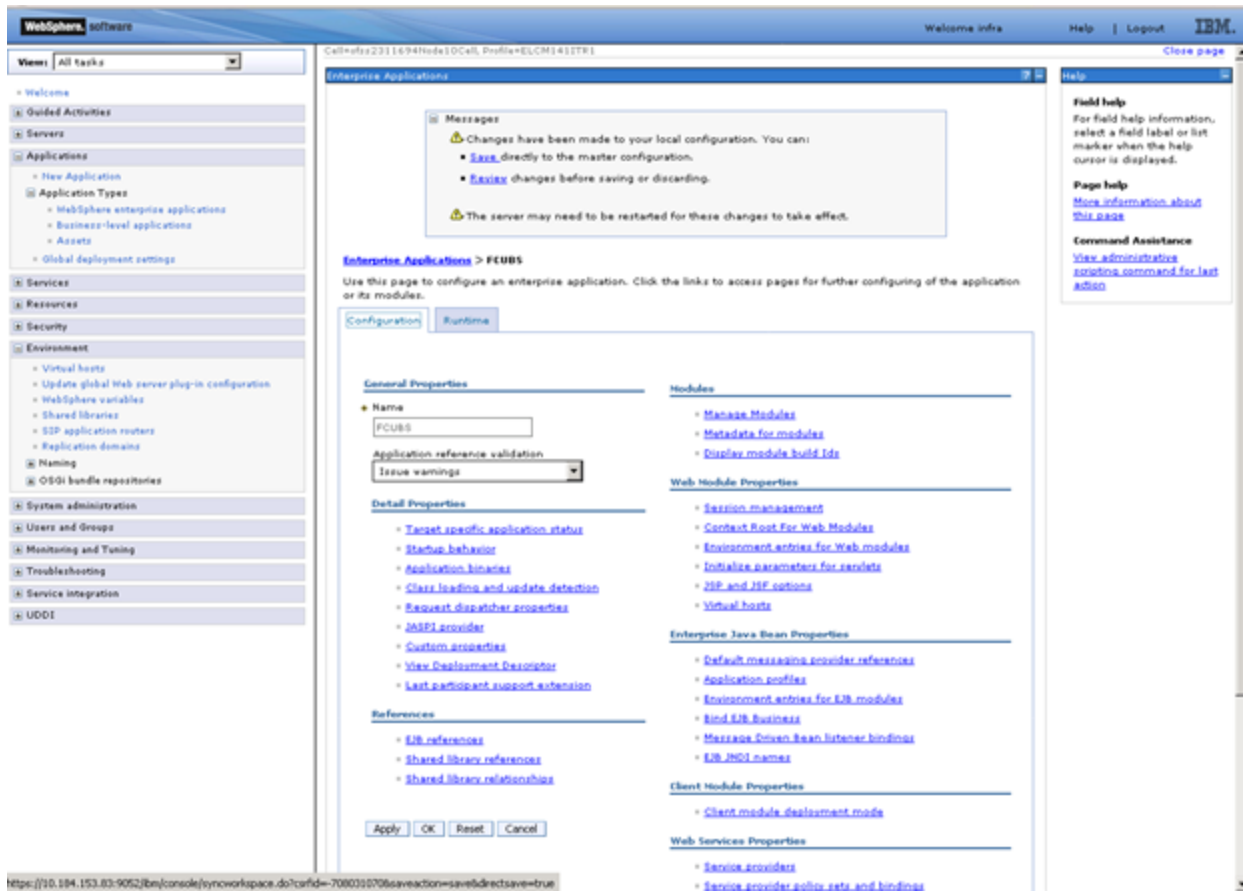
Field help

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

Page help

[More information about this page](#)

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:

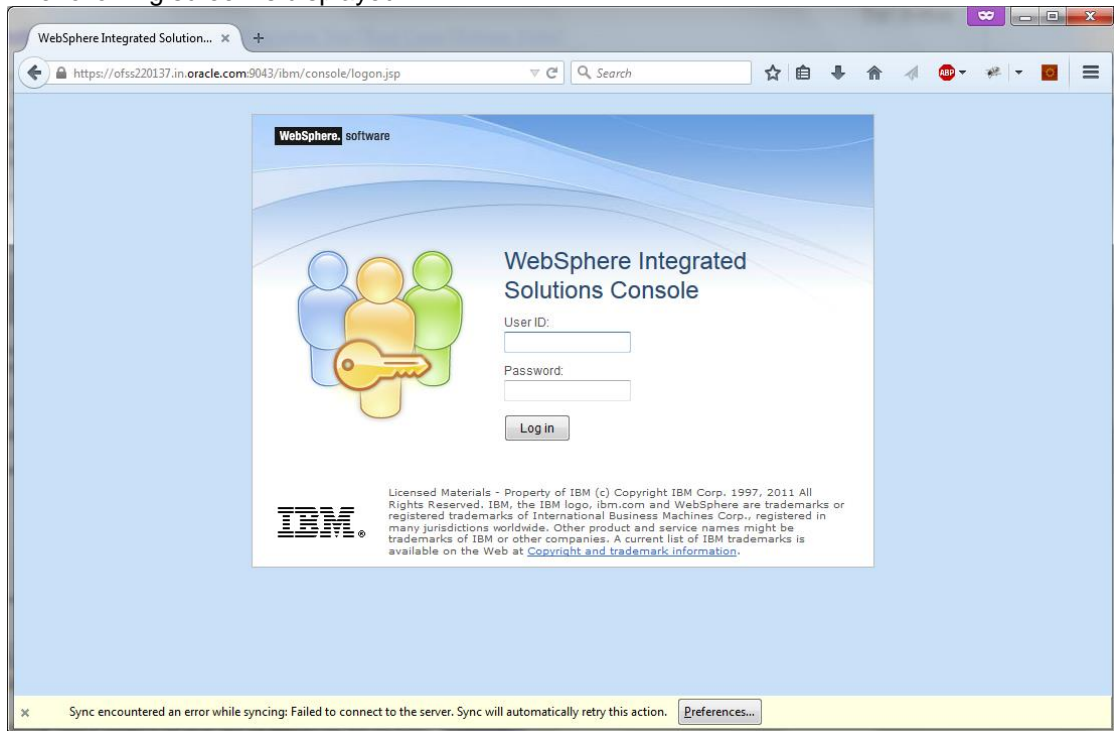
1. Open the Administrative Console of WebSphere server:

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

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

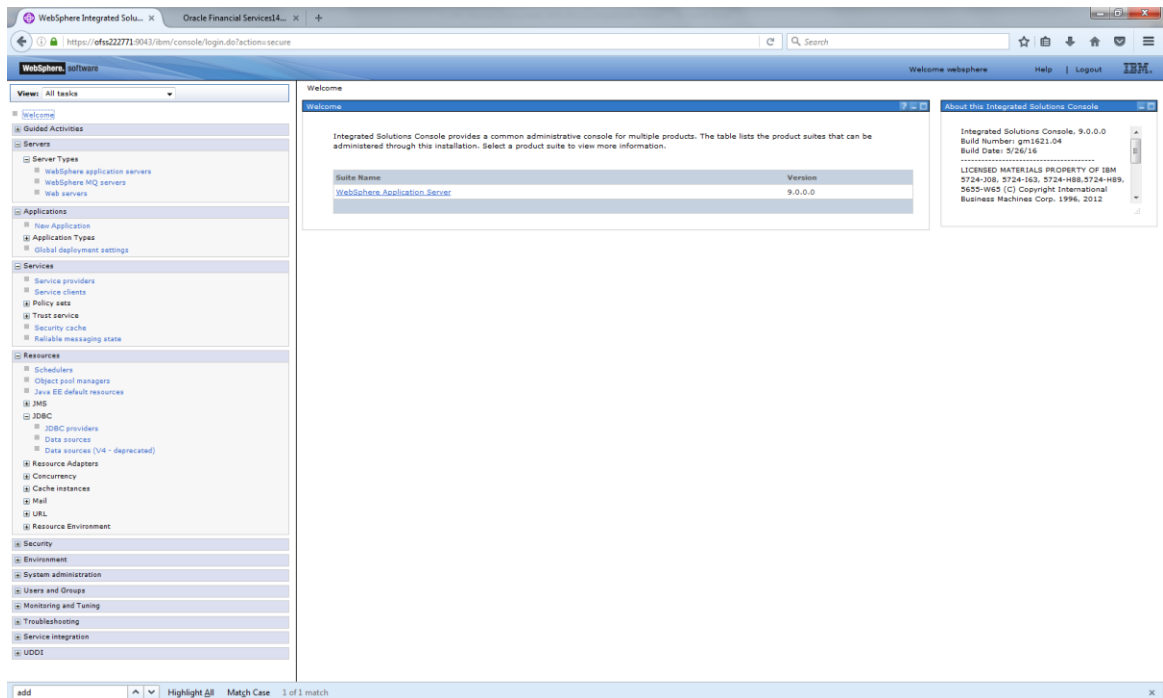
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



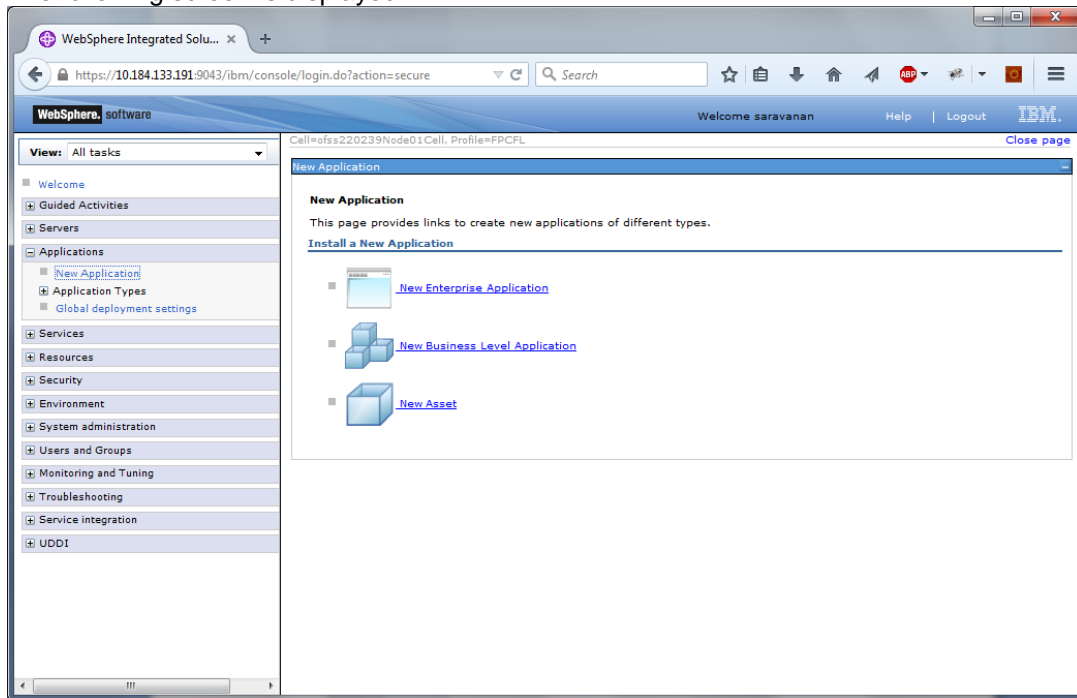
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

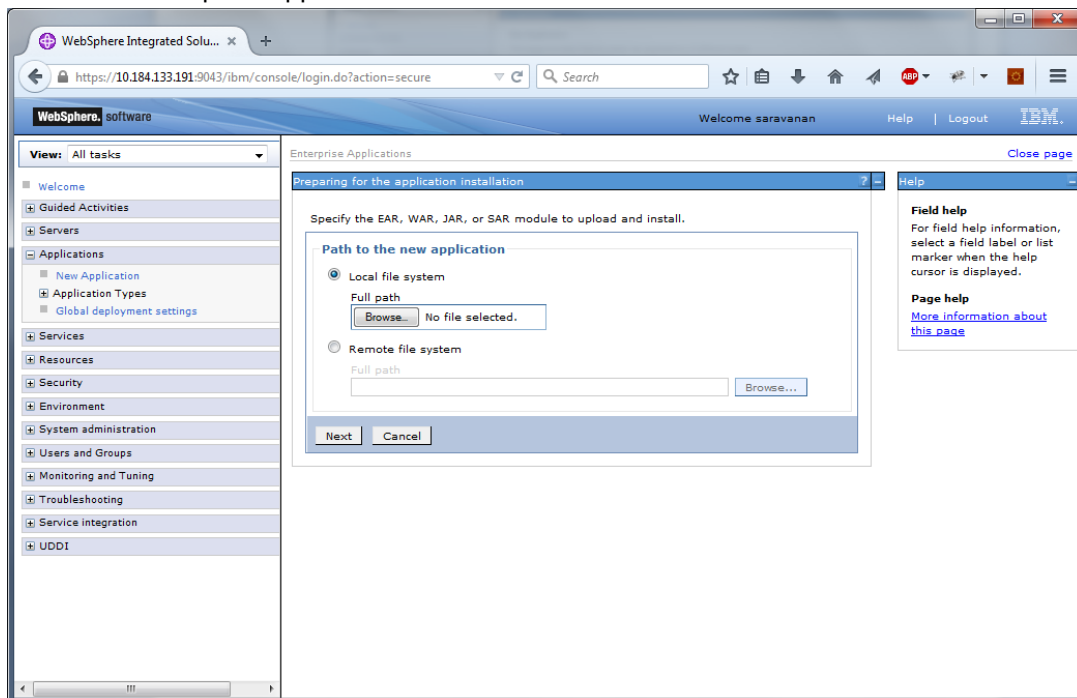


4. Expand Applications from left-side menu and Click 'New Application'.

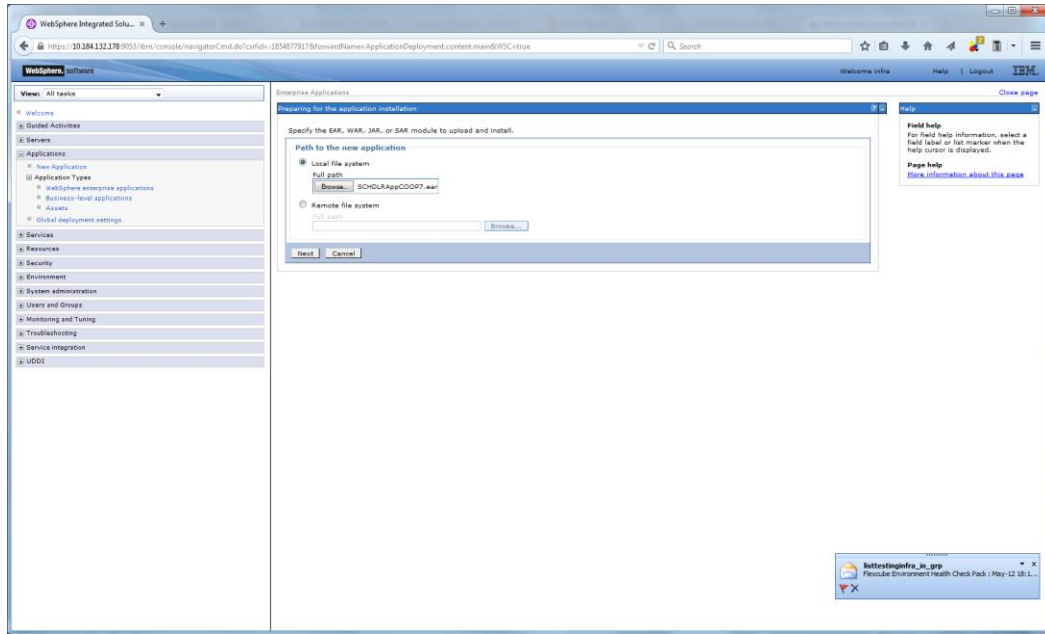
The following screen is displayed.



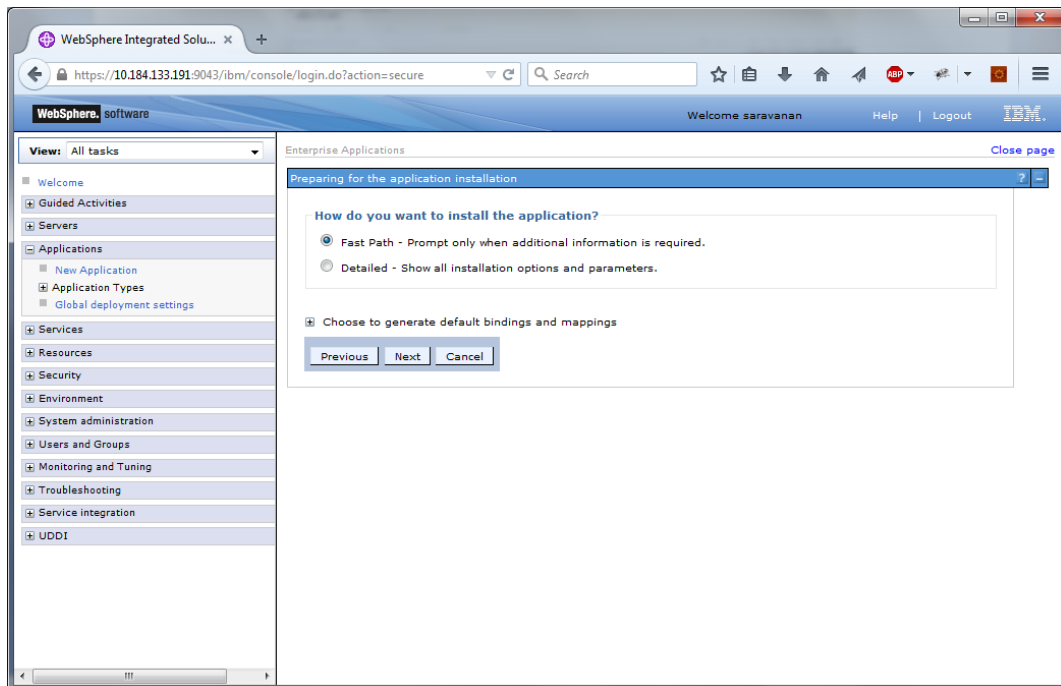
5. Click 'New Enterprise Application'.



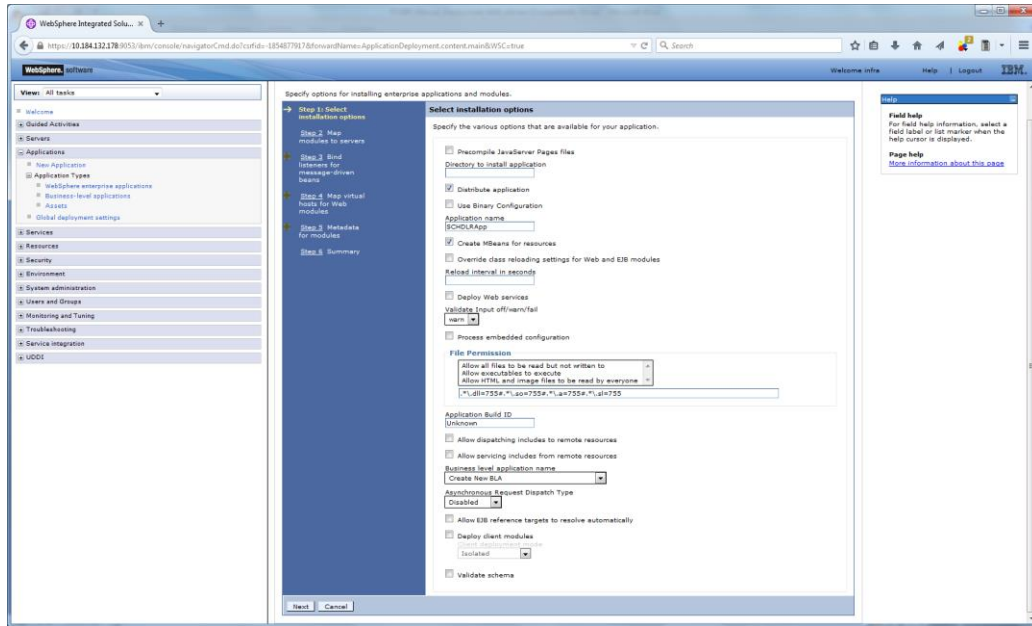
6. Browse the application EAR file and click next button



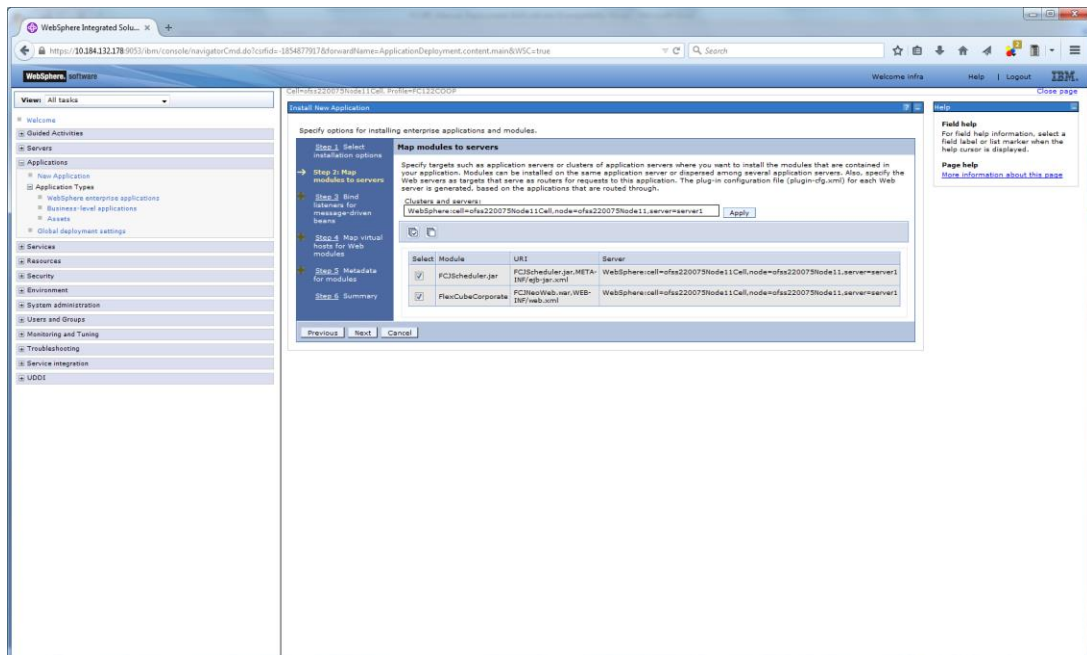
The following screen is displayed.



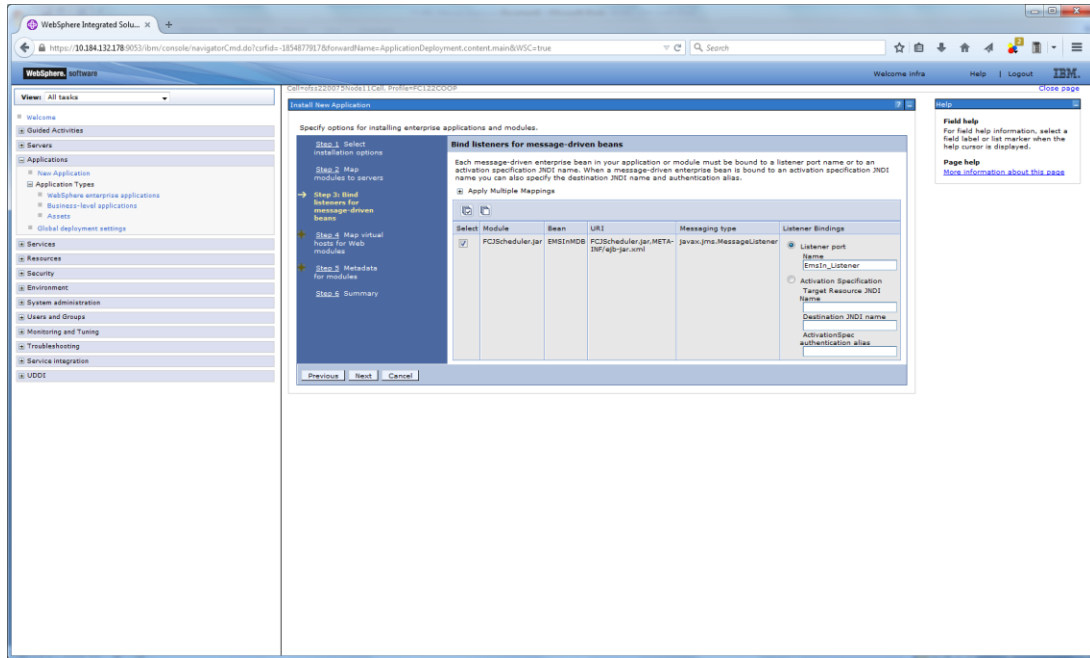
7. Click 'Next'. The following screen is displayed.



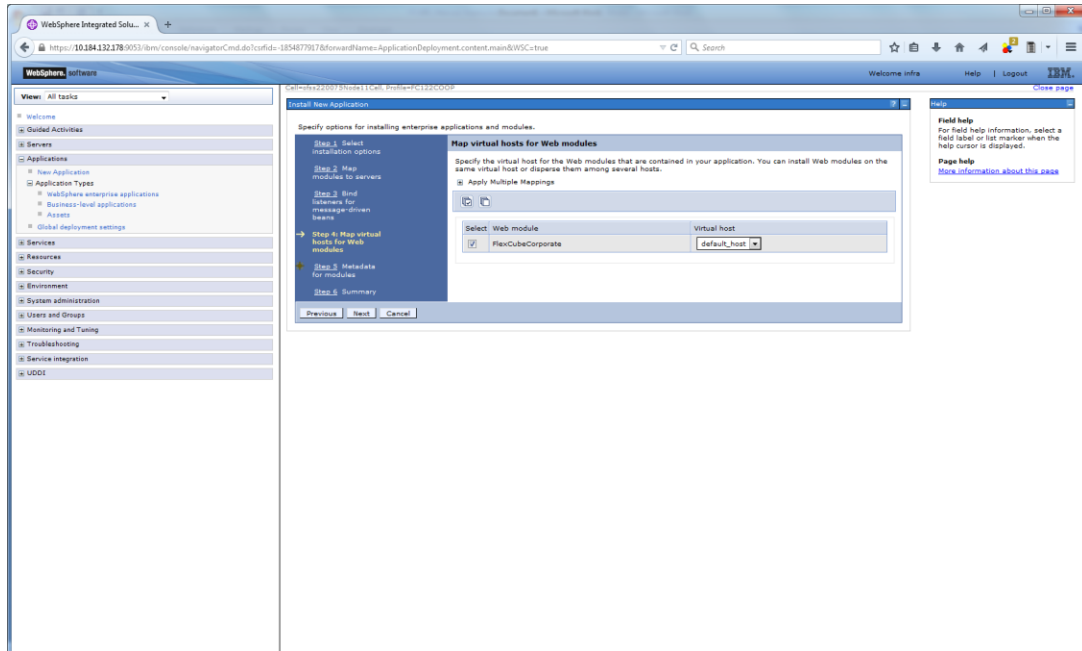
8. Enter the Application Name. This should be the application name mentioned as part of EAR building.



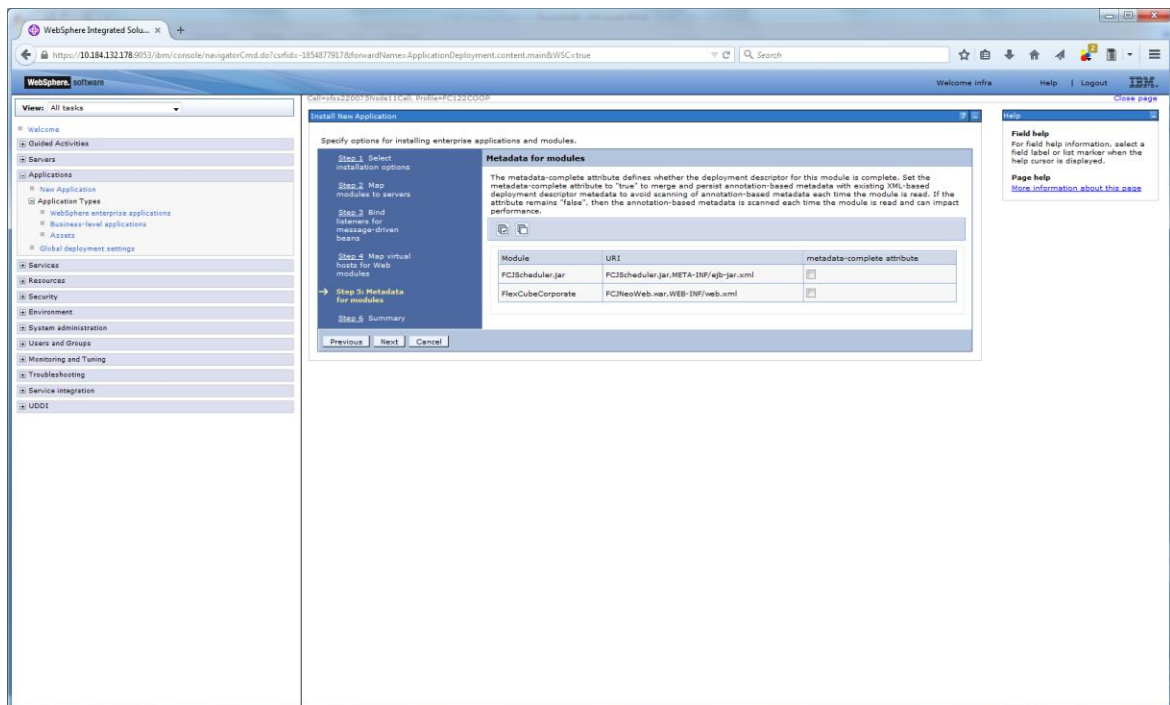
9. Check all the options. Click 'Next'. The following screen is displayed.



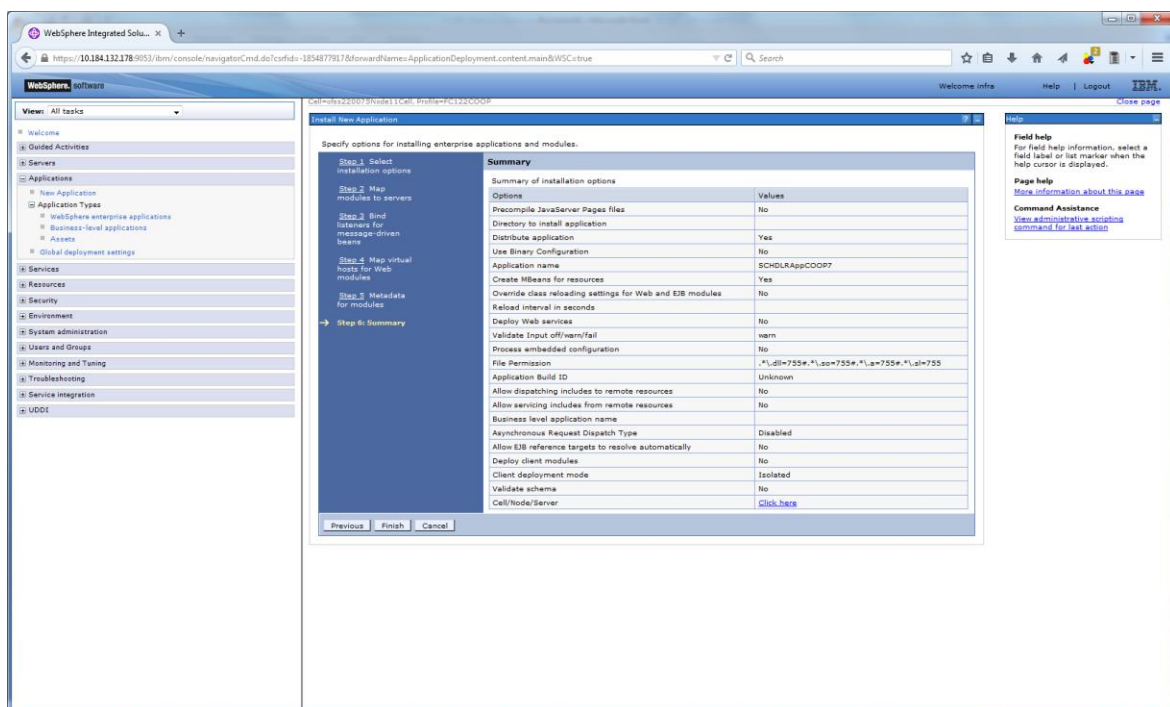
10. Specify the details as shown in the figure.



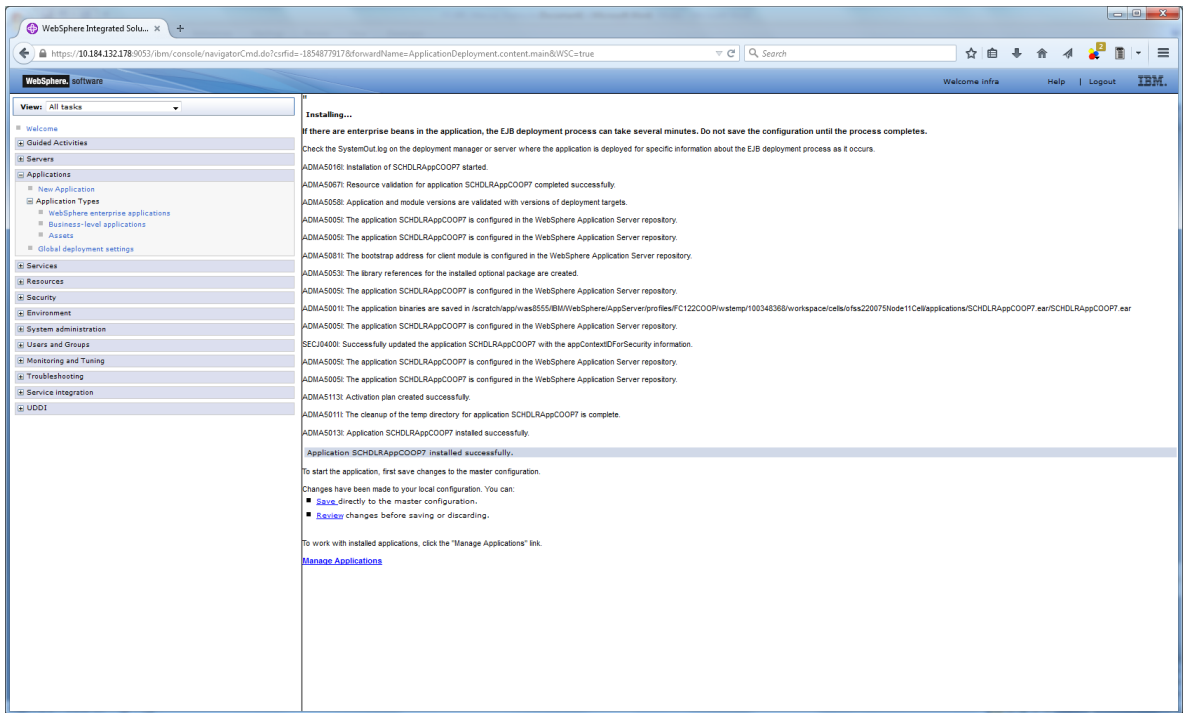
11. Click 'Next'. The following screen is displayed.



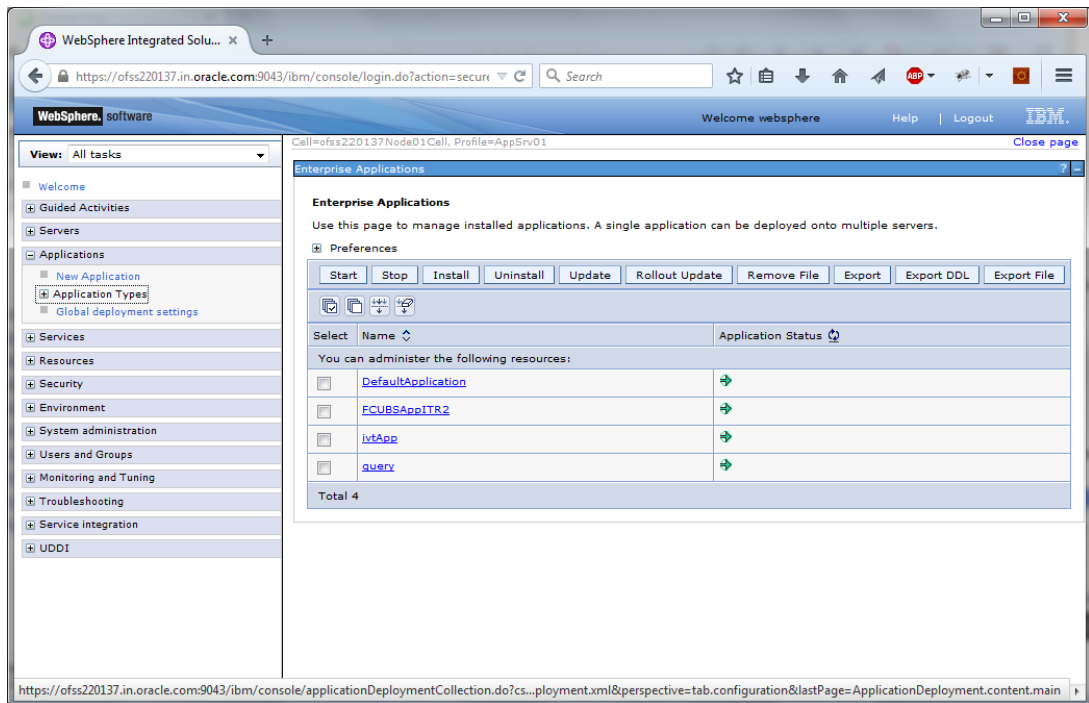
12. Click 'Next'. The following screen is displayed.



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

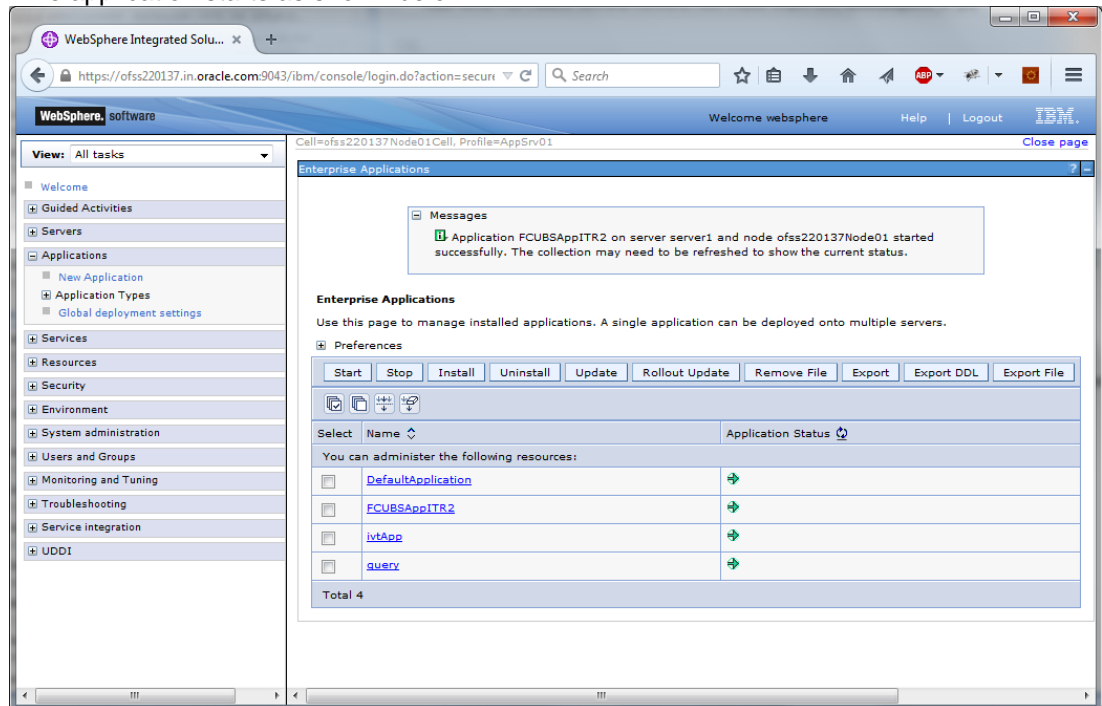


Click 'Save'. The following screen is displayed.



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:

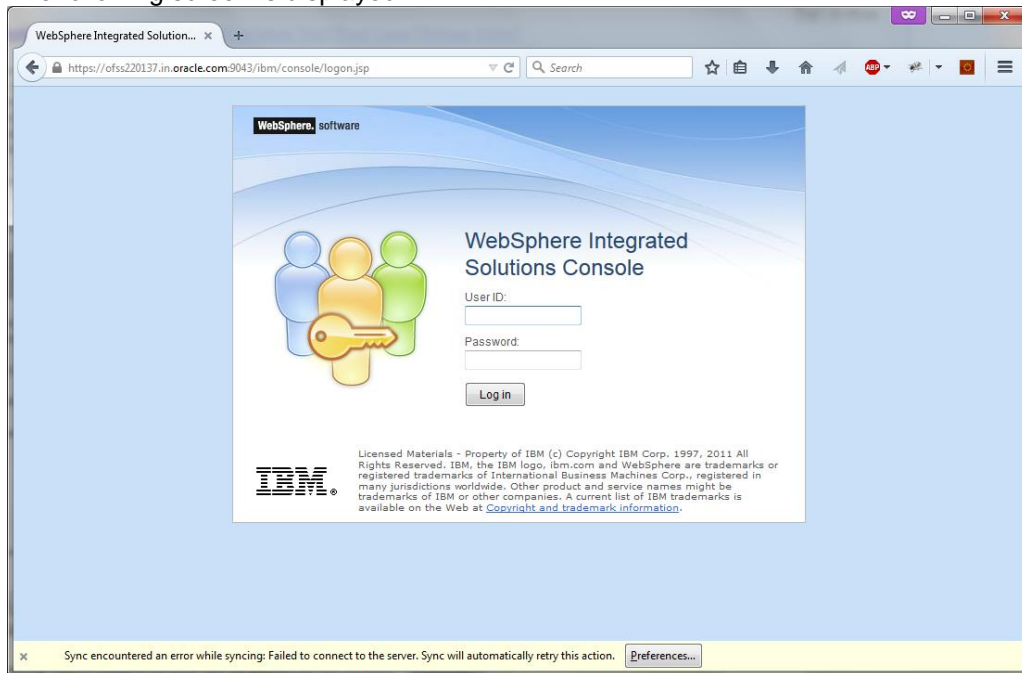
1. Open the Administrative Console of WebSphere server:

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.

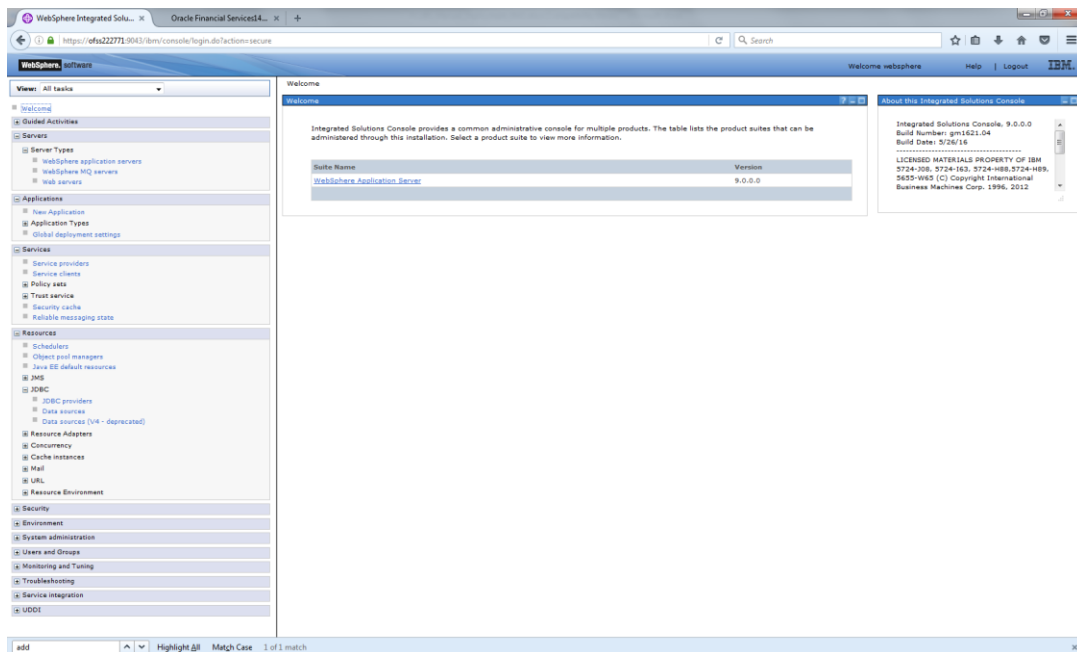
The following screen is displayed:



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

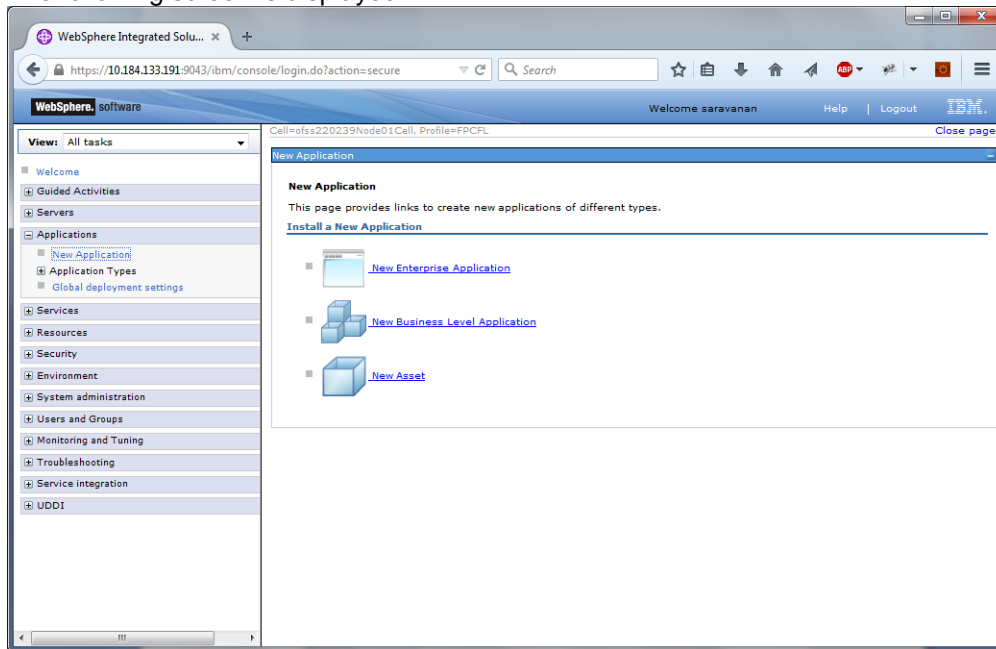
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

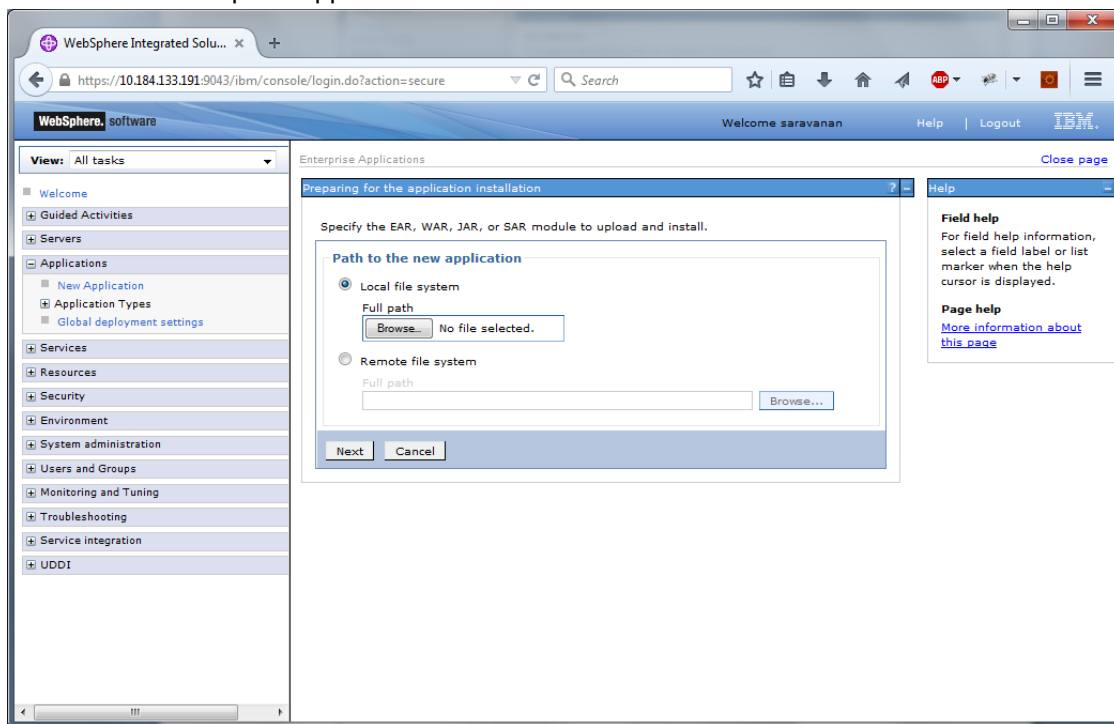


4. Expand Applications from left-side menu and Click 'New Application'.

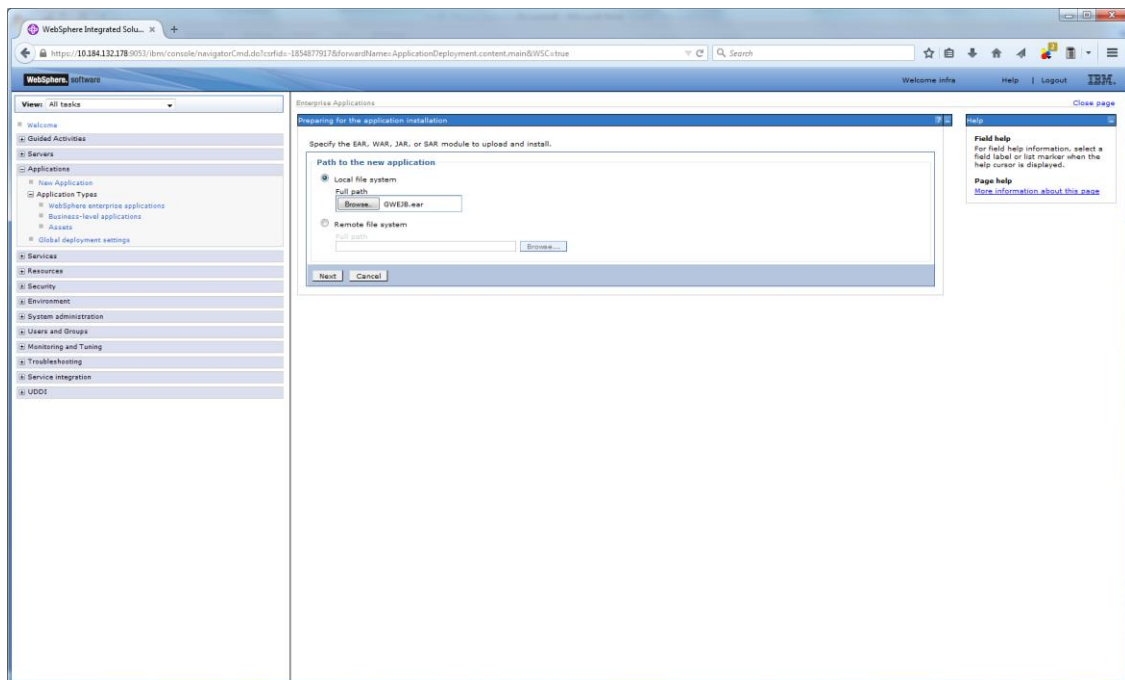
The following screen is displayed.



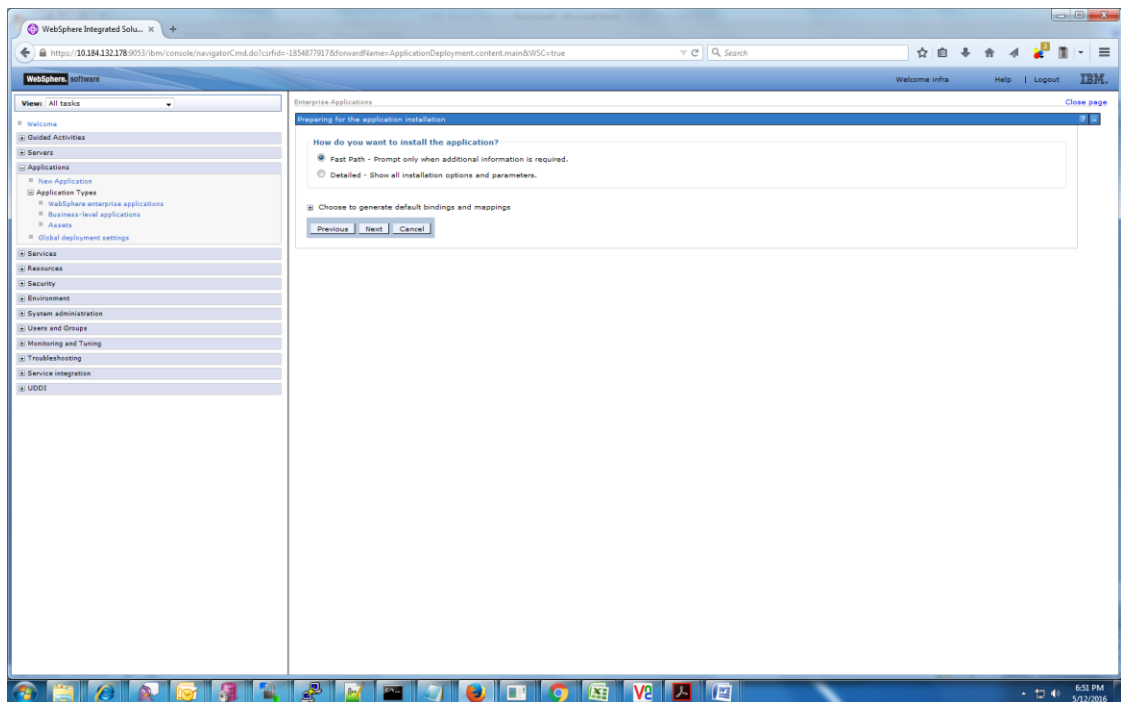
5. Click 'New Enterprise Application'.



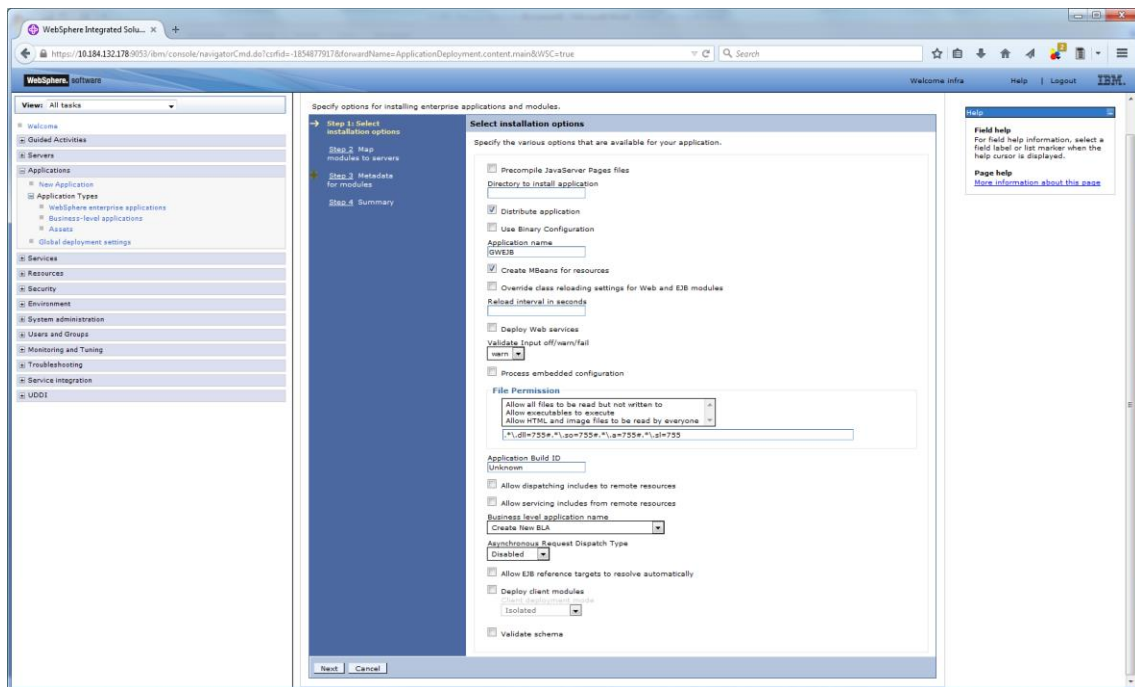
6. Browse the application EAR file and click next button



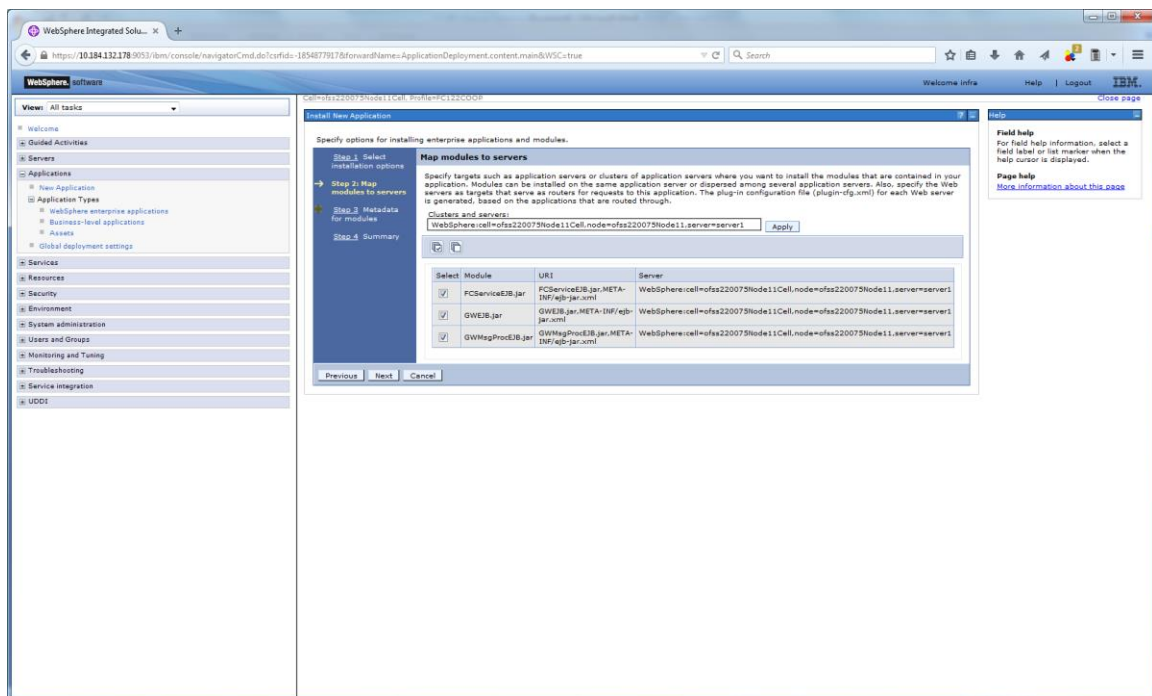
7. Click Next and the following screen is displayed.



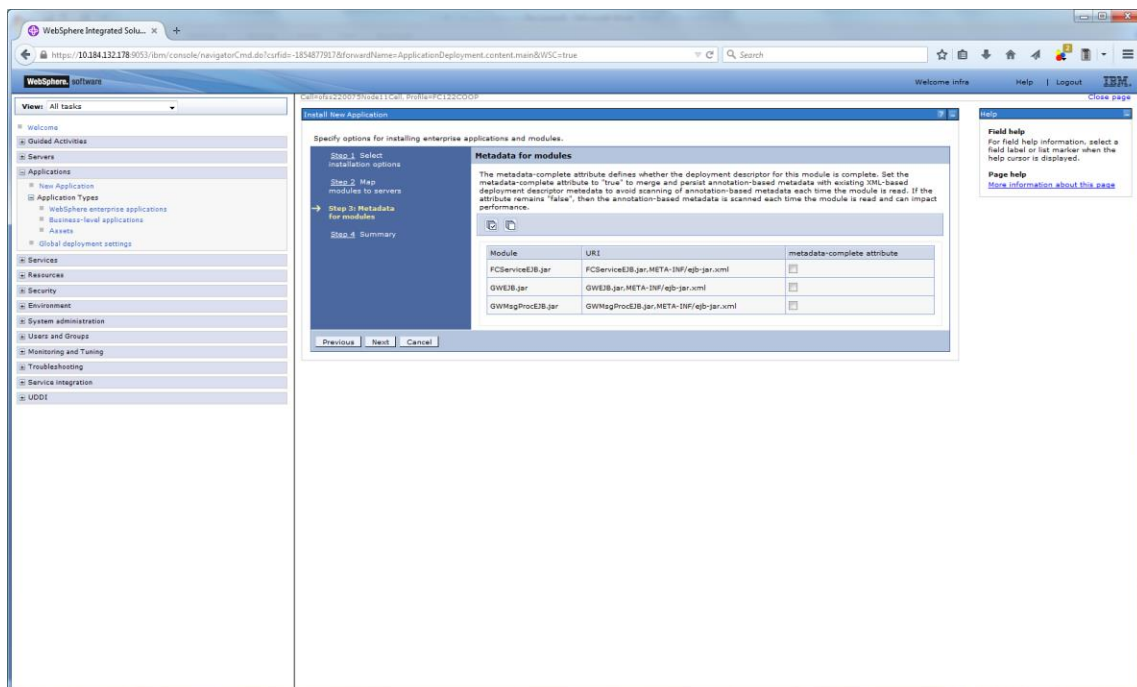
8. Click next and the following screen is displayed.



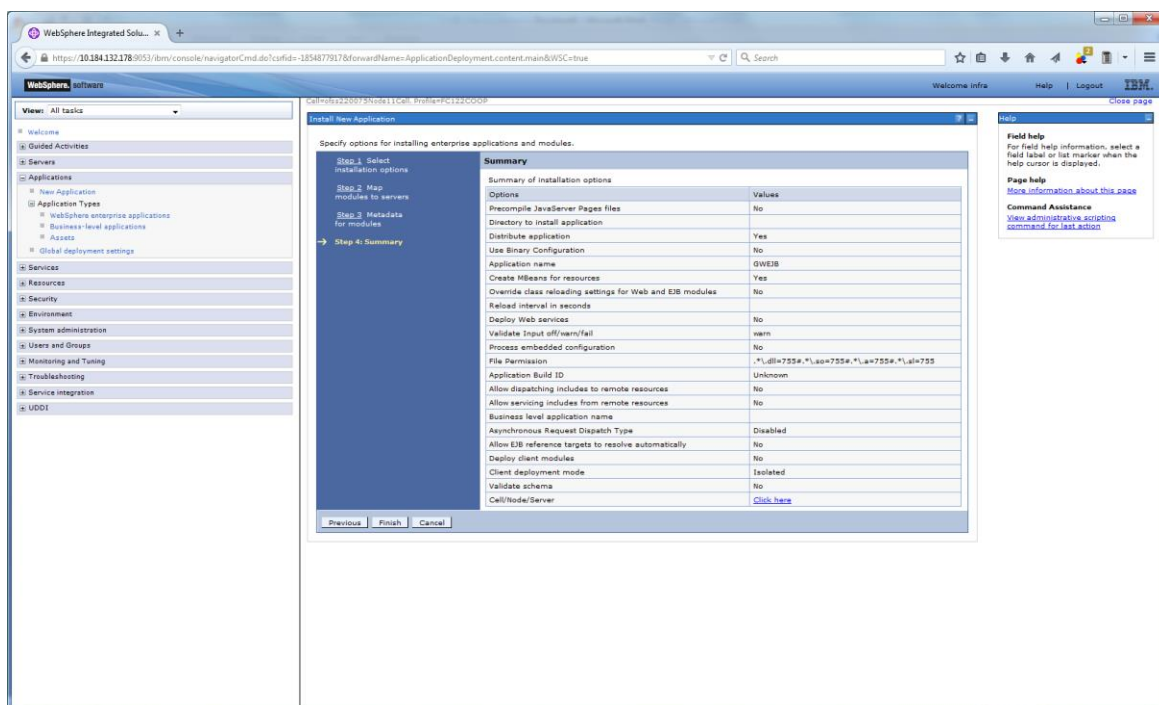
9. Click next and the following screen is displayed.



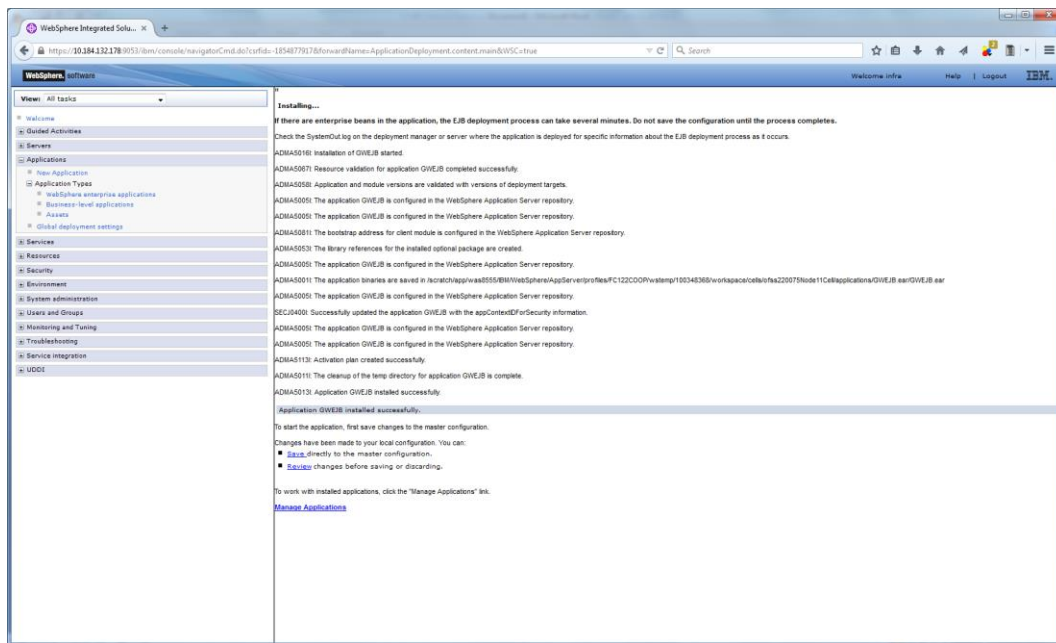
10. click next and the following Screen is displayed.



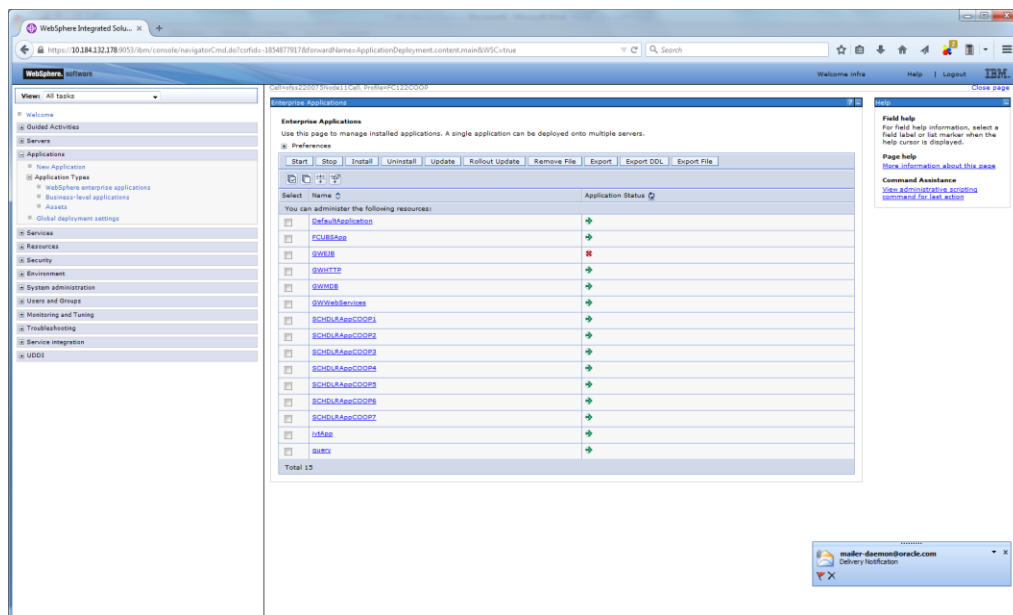
11. Click next and the following screen is displayed.



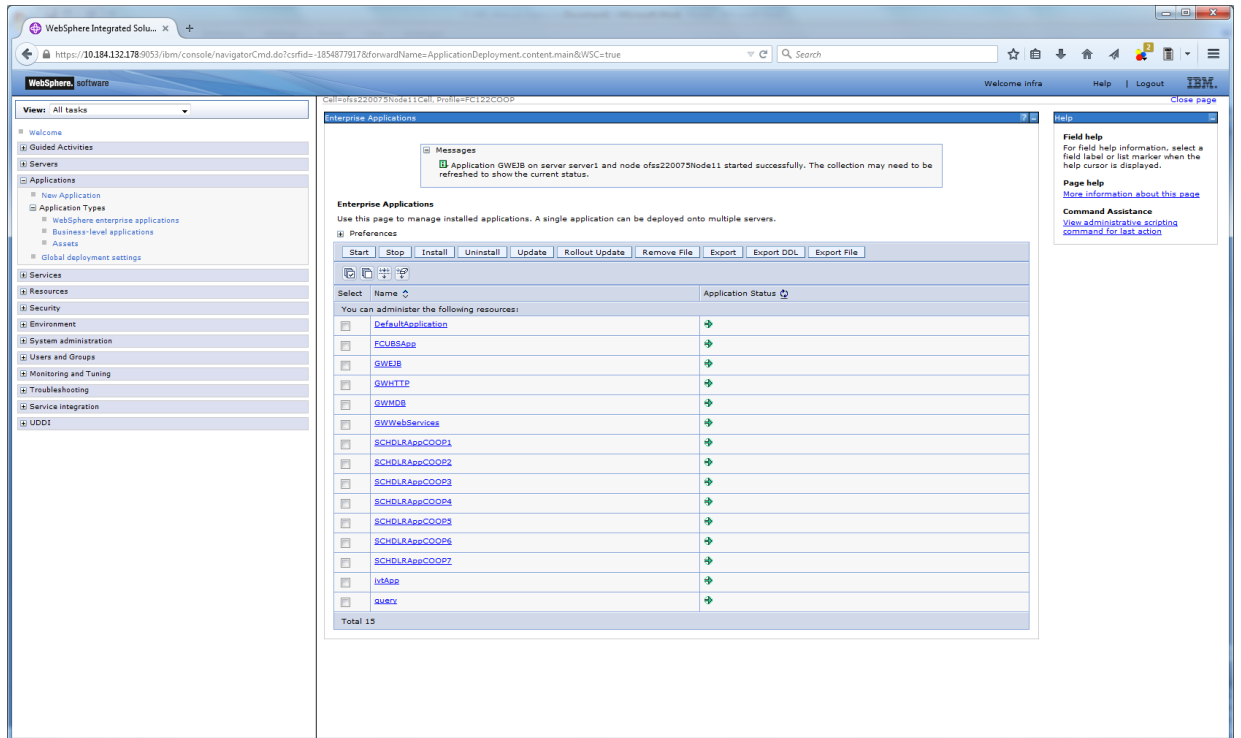
12. Click on finish and the following screen is displayed.



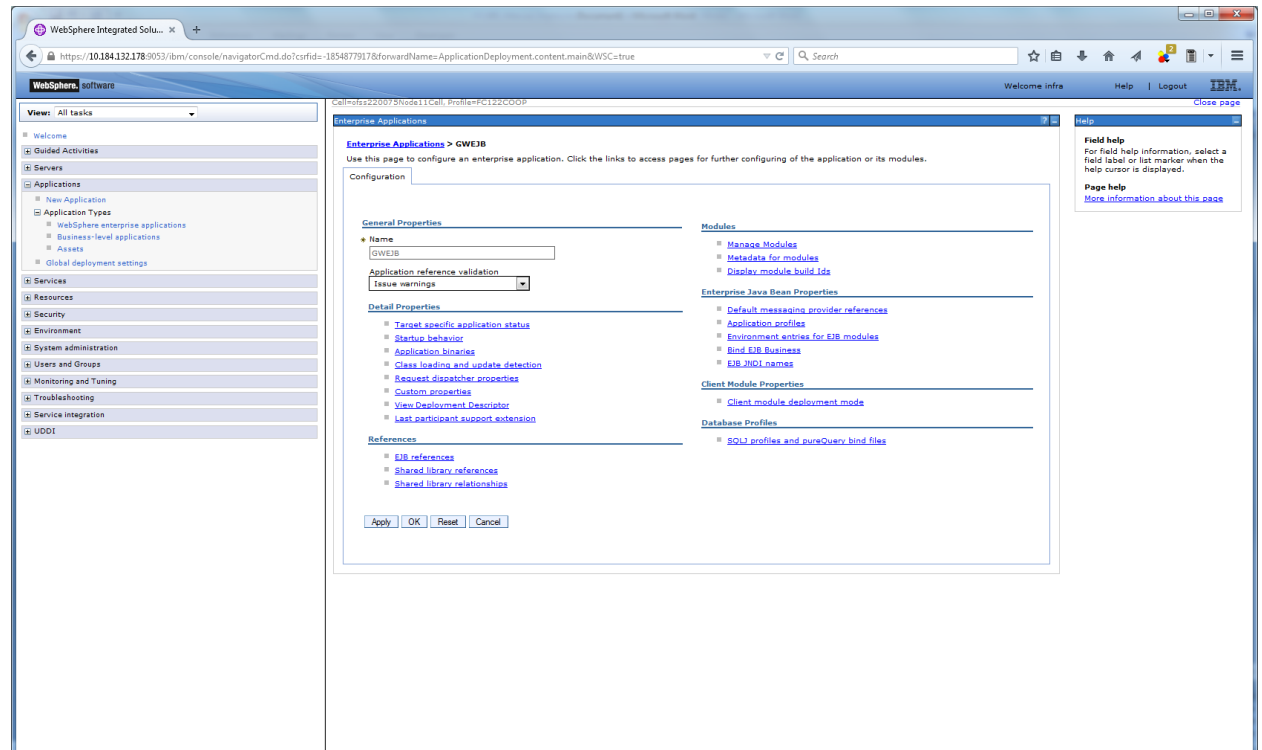
13. Click on save and the following screen is displayed.



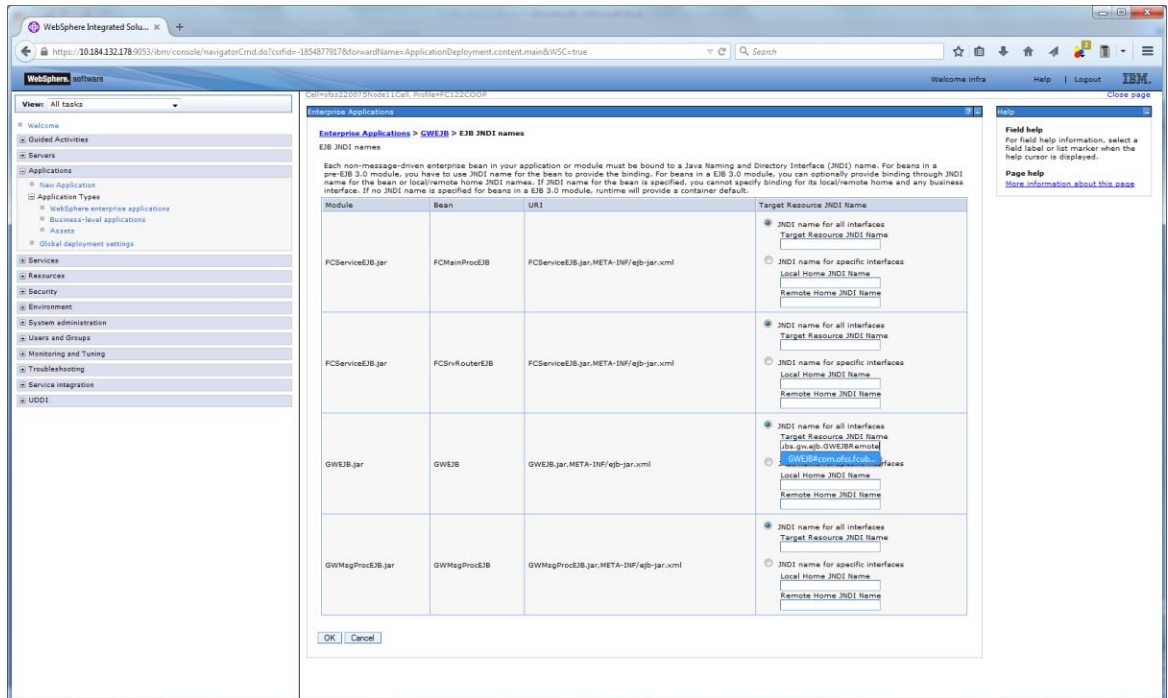
15. Select the deployed application and click on start



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

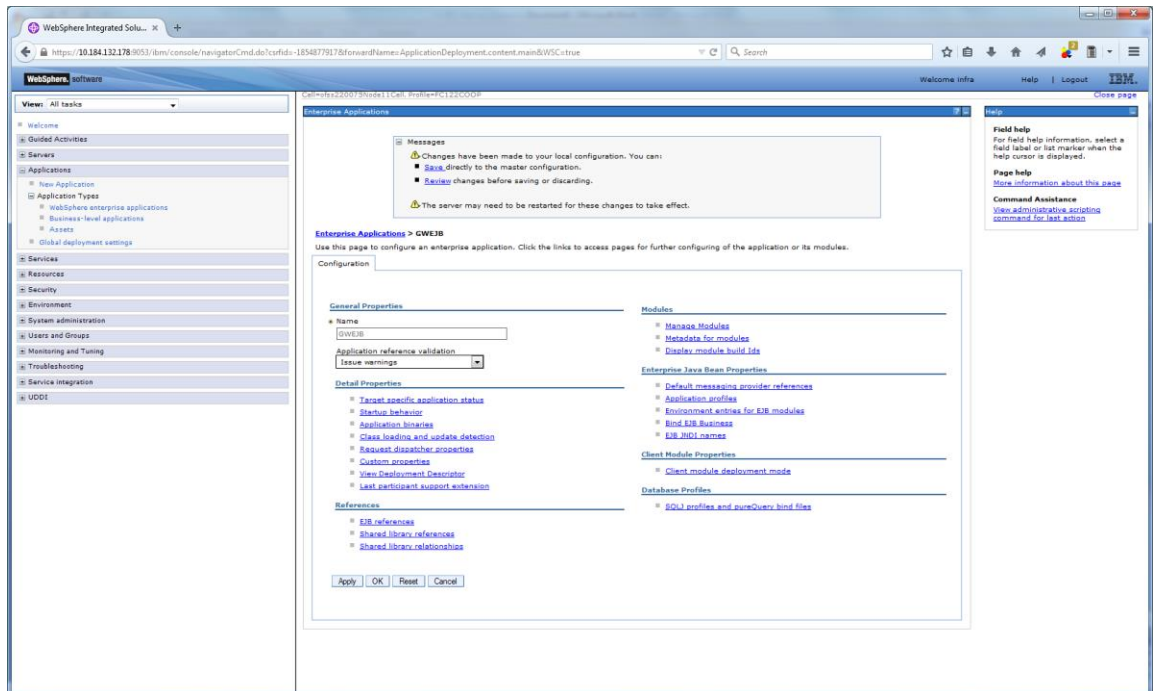


17. Click on EJB JNDI names and the following screen is displayed.



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:

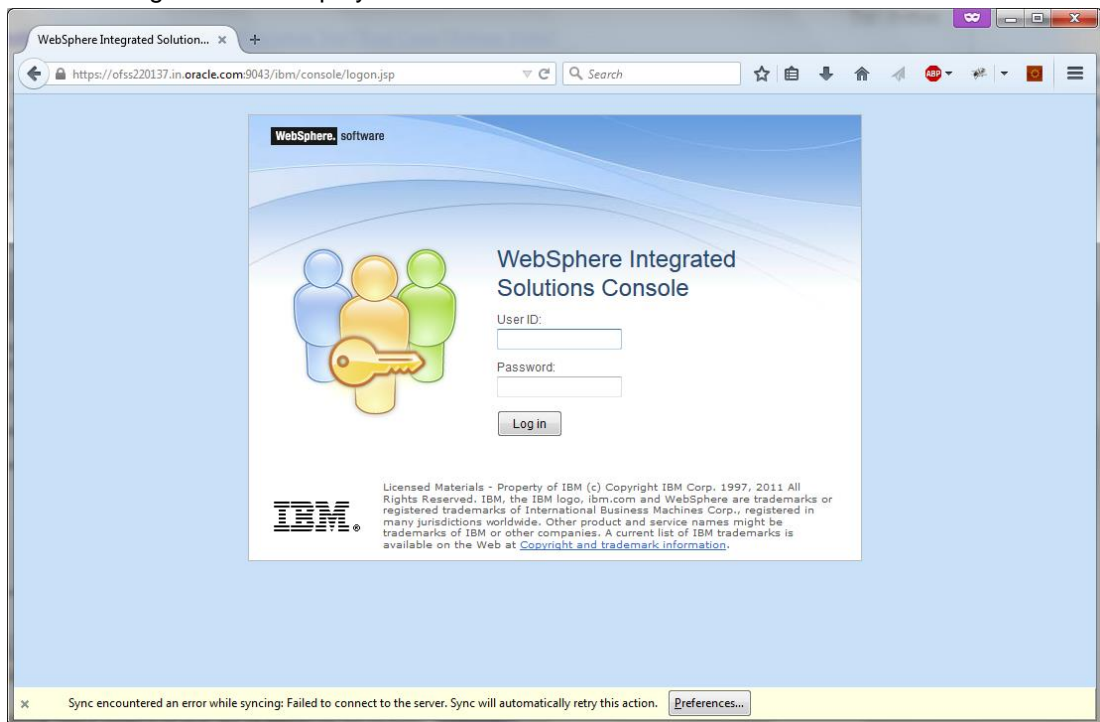
1. Open the Administrative Console of WebSphere server:

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

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

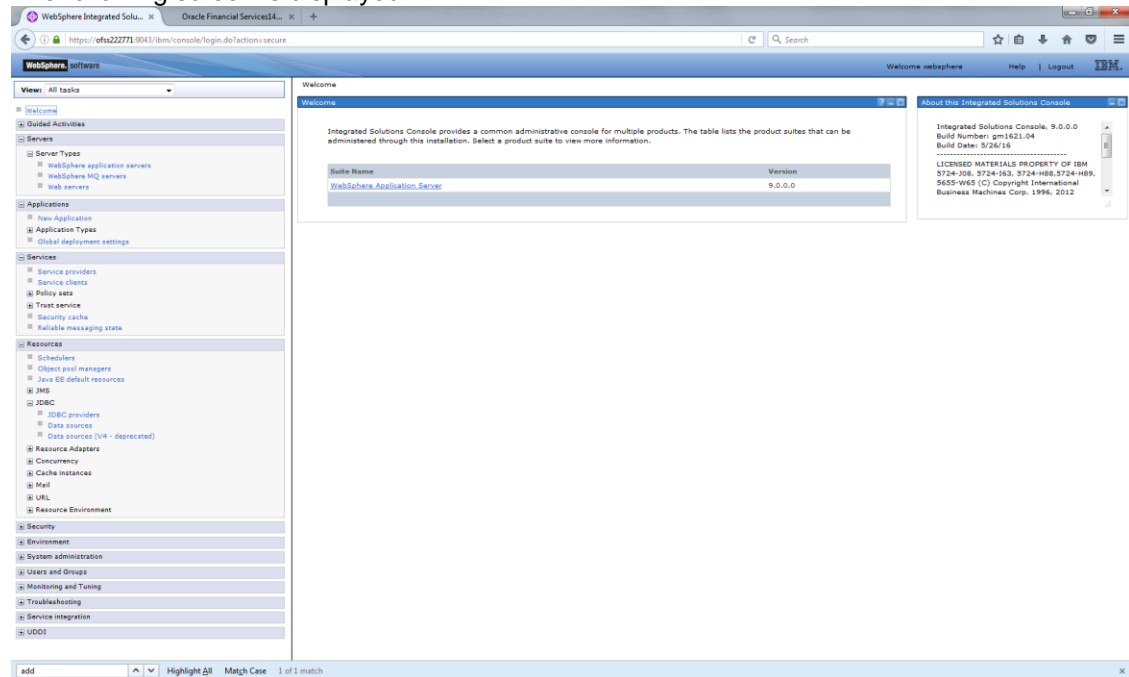
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



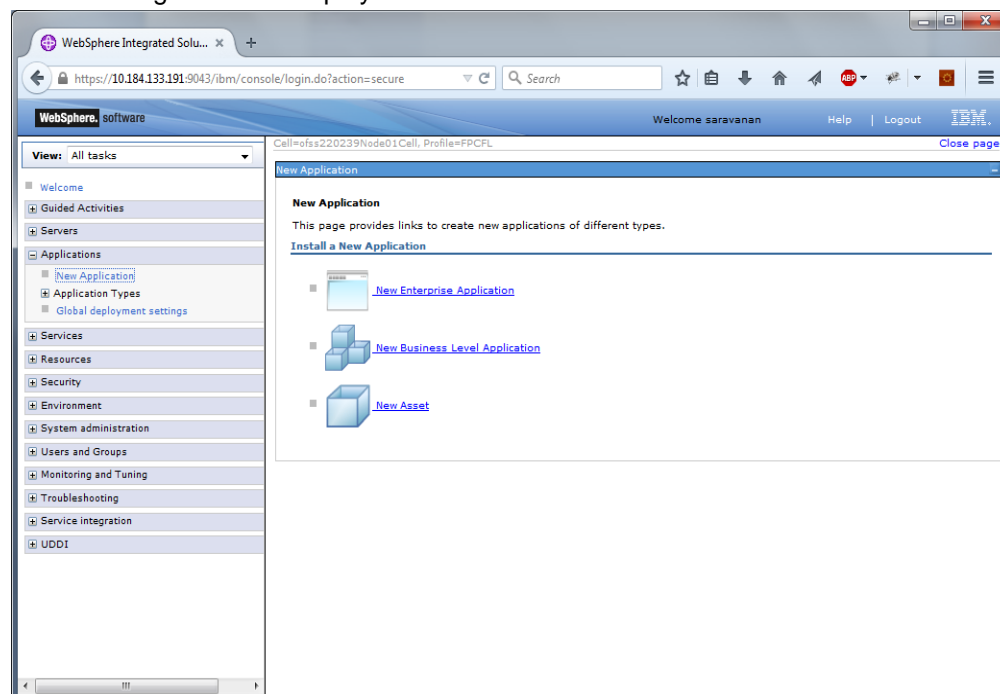
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

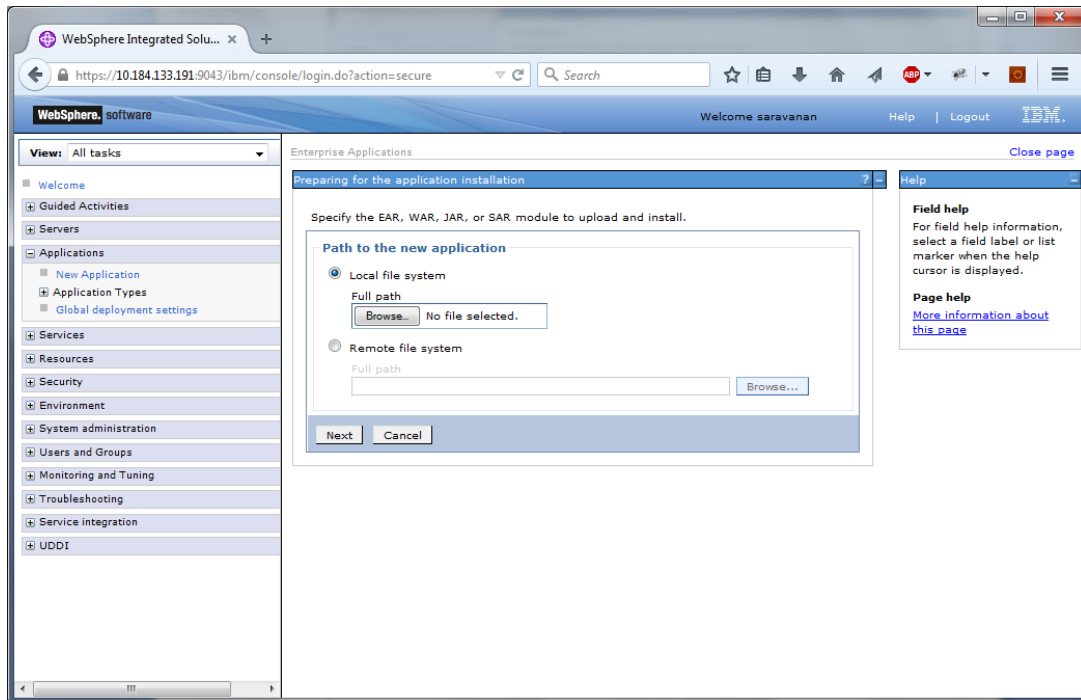


4. Expand Applications from left-side menu and Click 'New Application'.

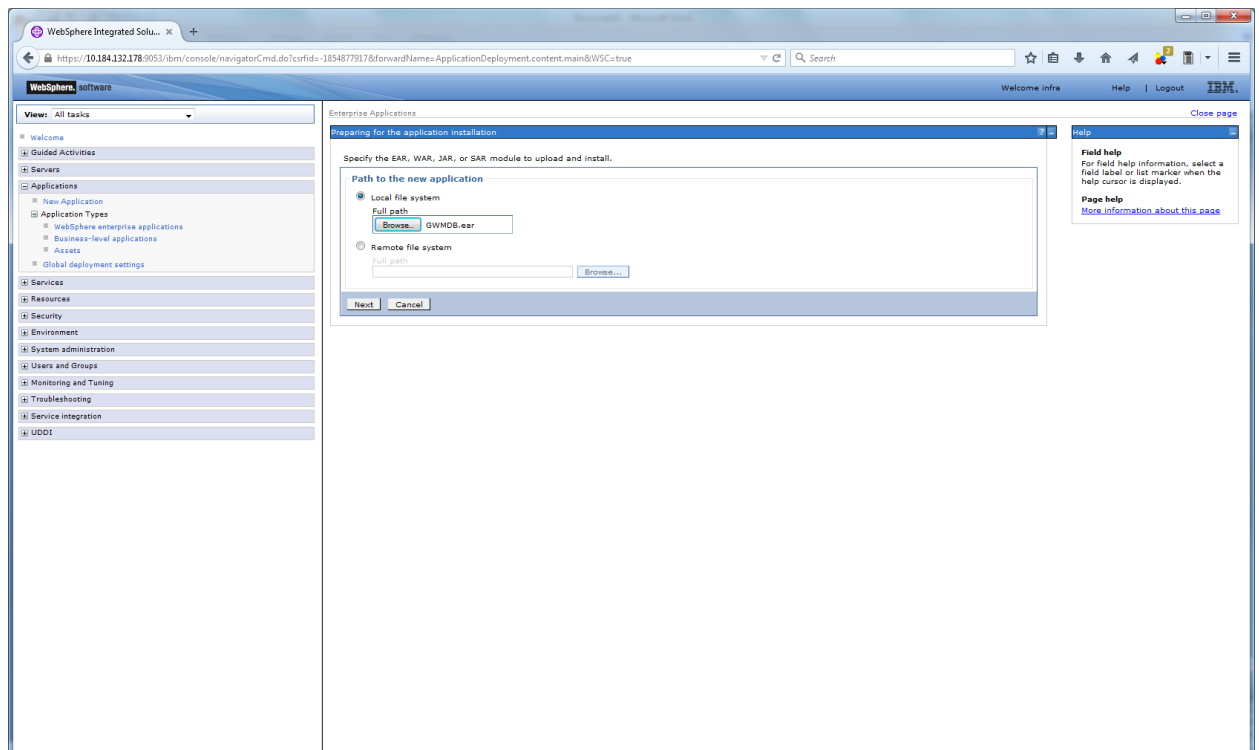
The following screen is displayed.



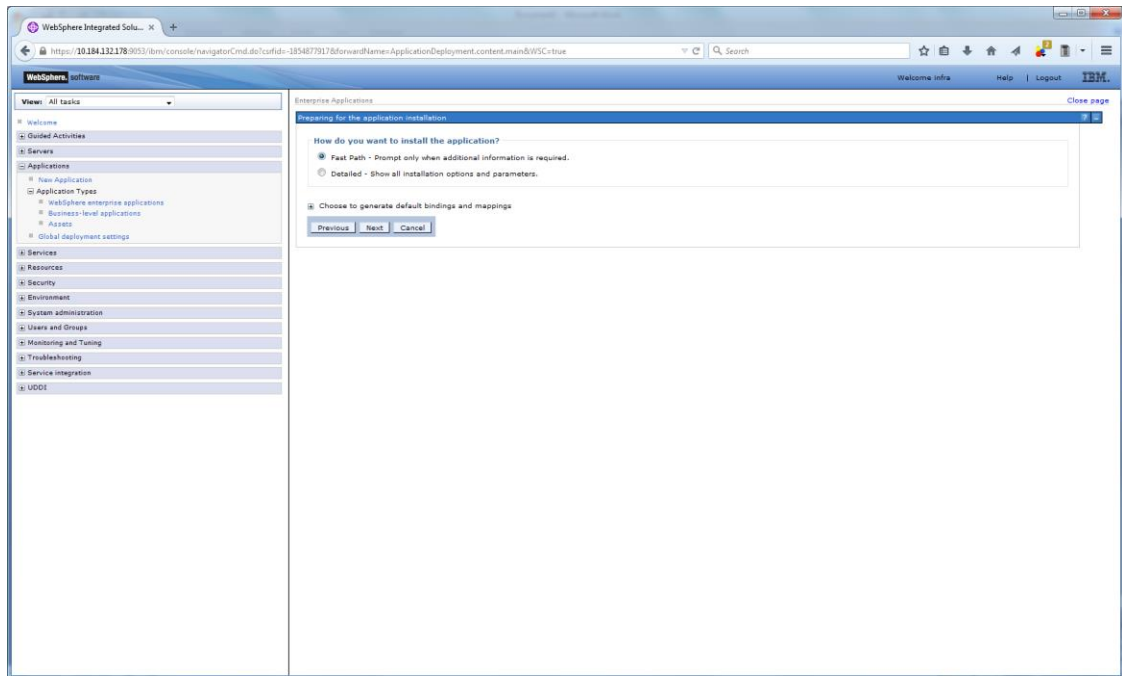
5. Click 'New Enterprise Application'.



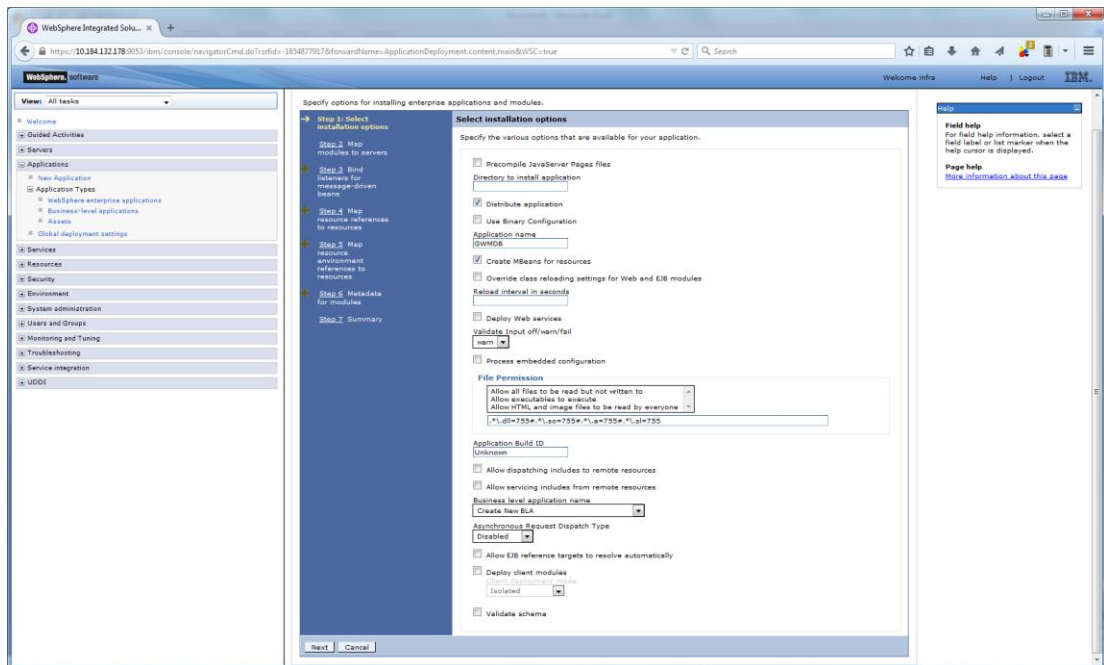
6. Click on Browse and select the MDB EAR and the following screen is displayed



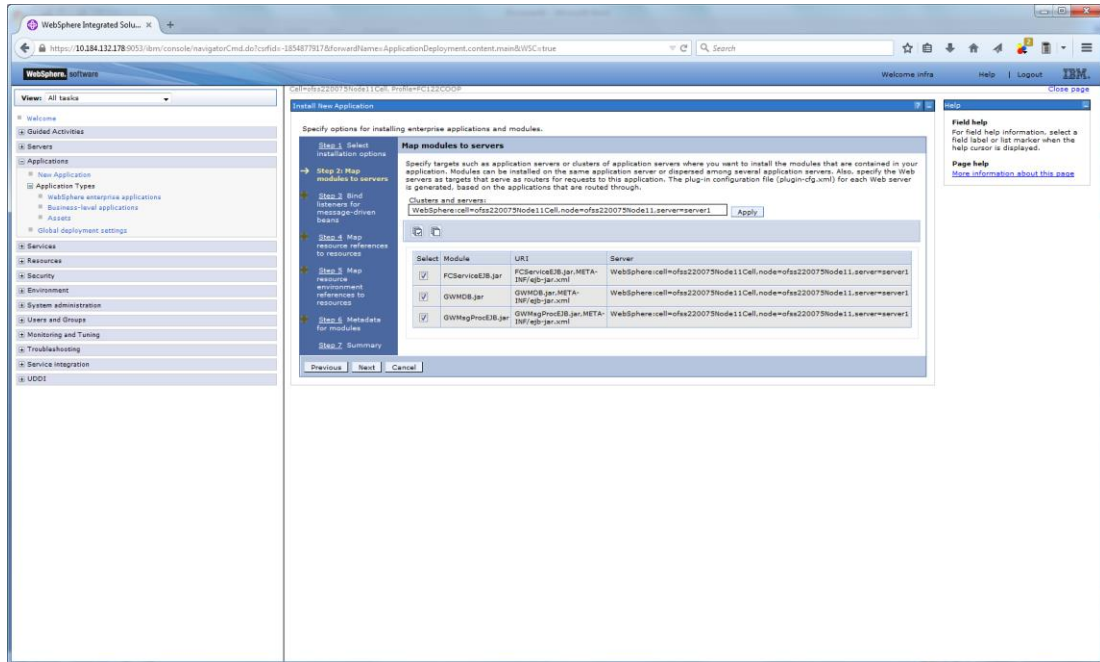
7. Click on next and the following screen is displayed.



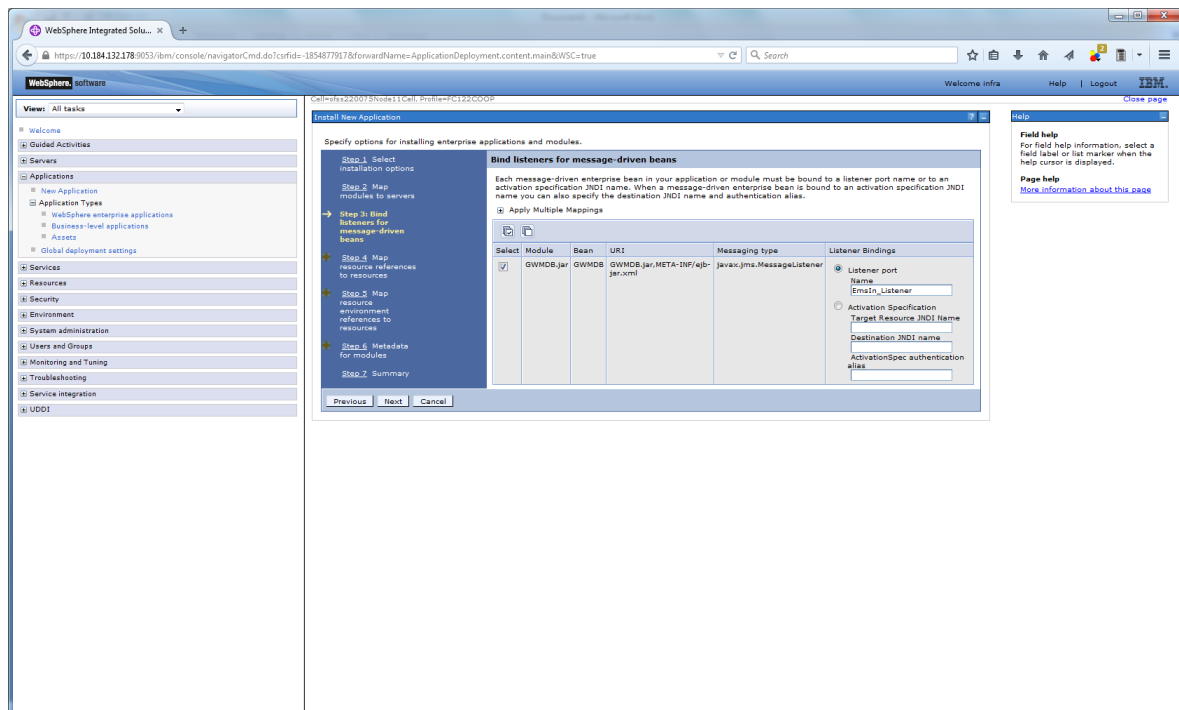
8. Click on next and the following screen is displayed.



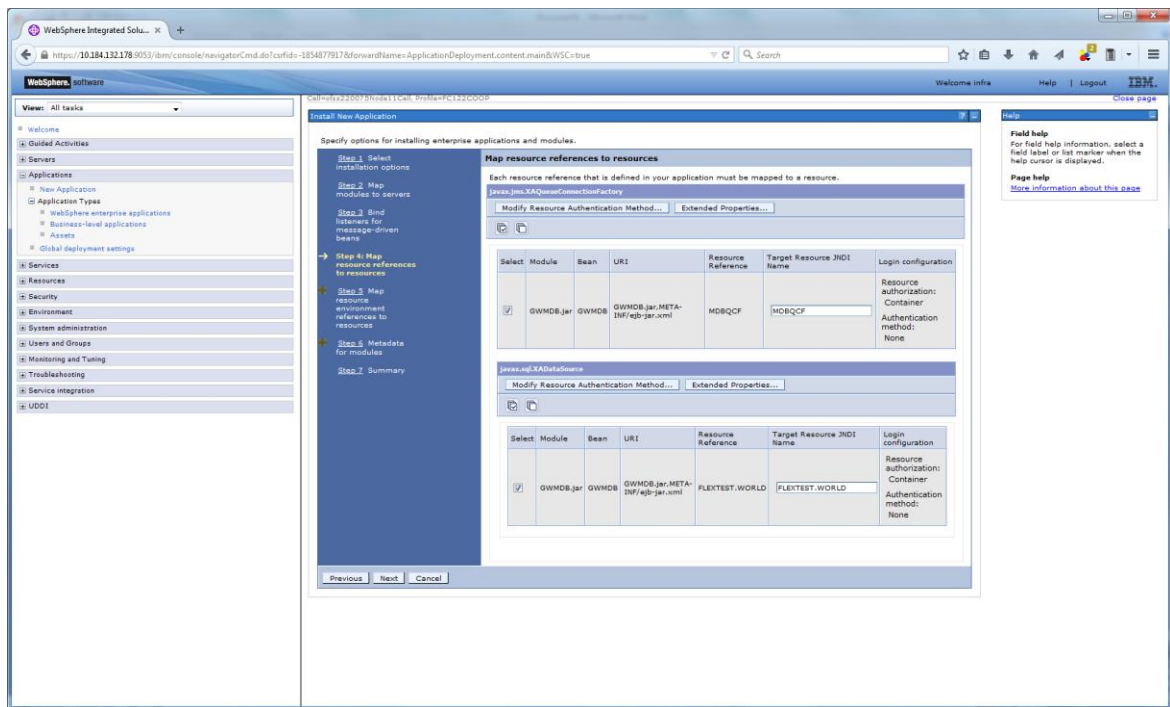
9. Click on next and the following screen is displayed.



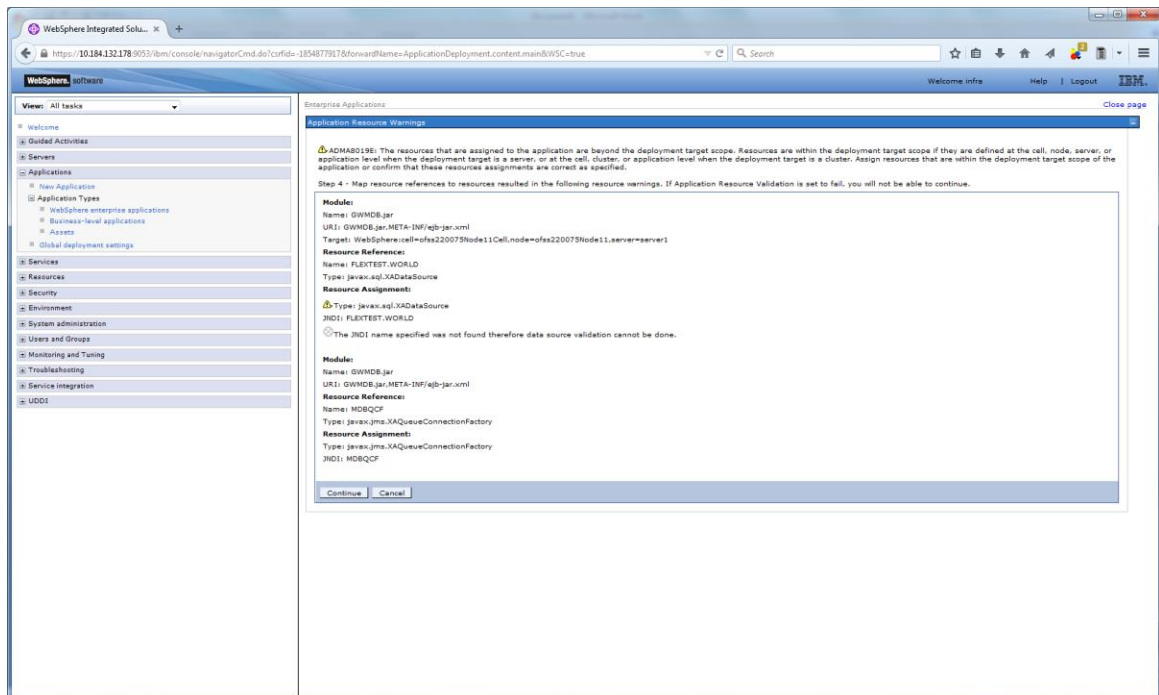
10. Click on next and the following screen is displayed.



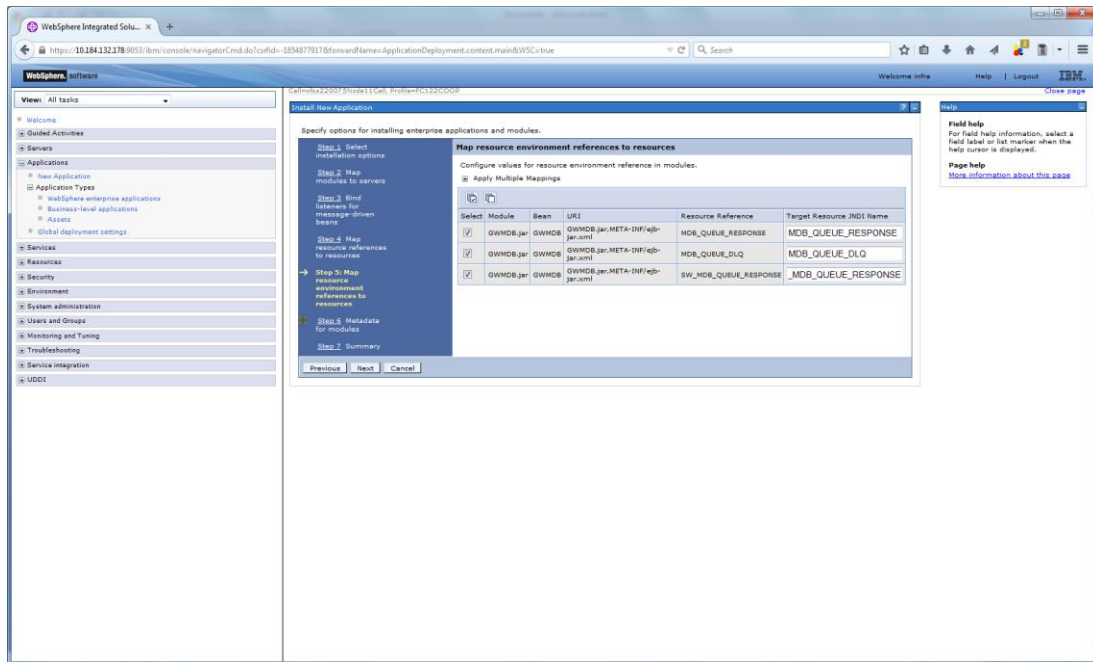
11. Input the listner name click next. Following screen is displayed.



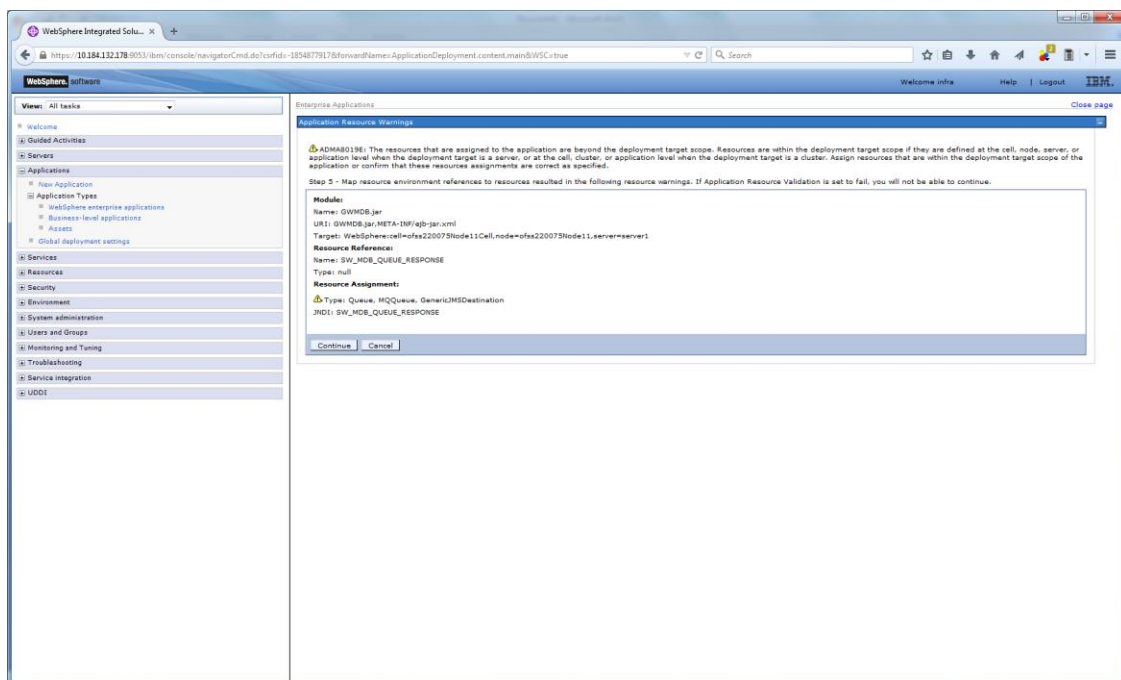
12. Enter the details as shown and click next.



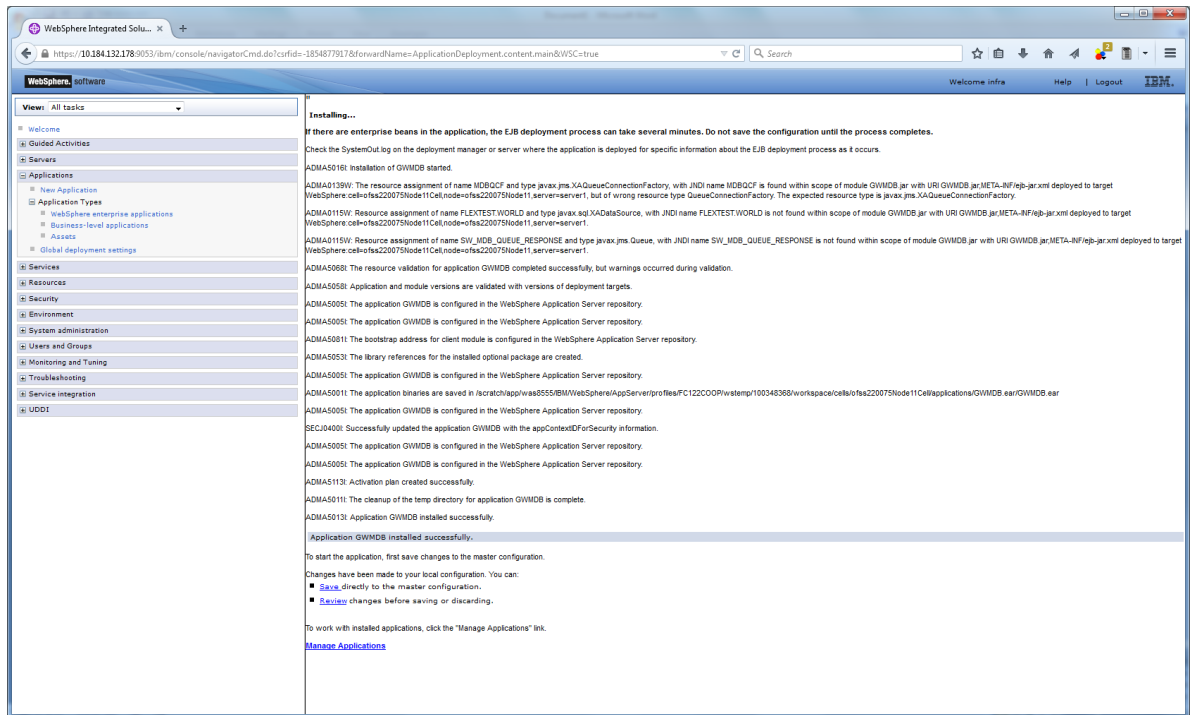
13. Click on continue and following screen is displayed.



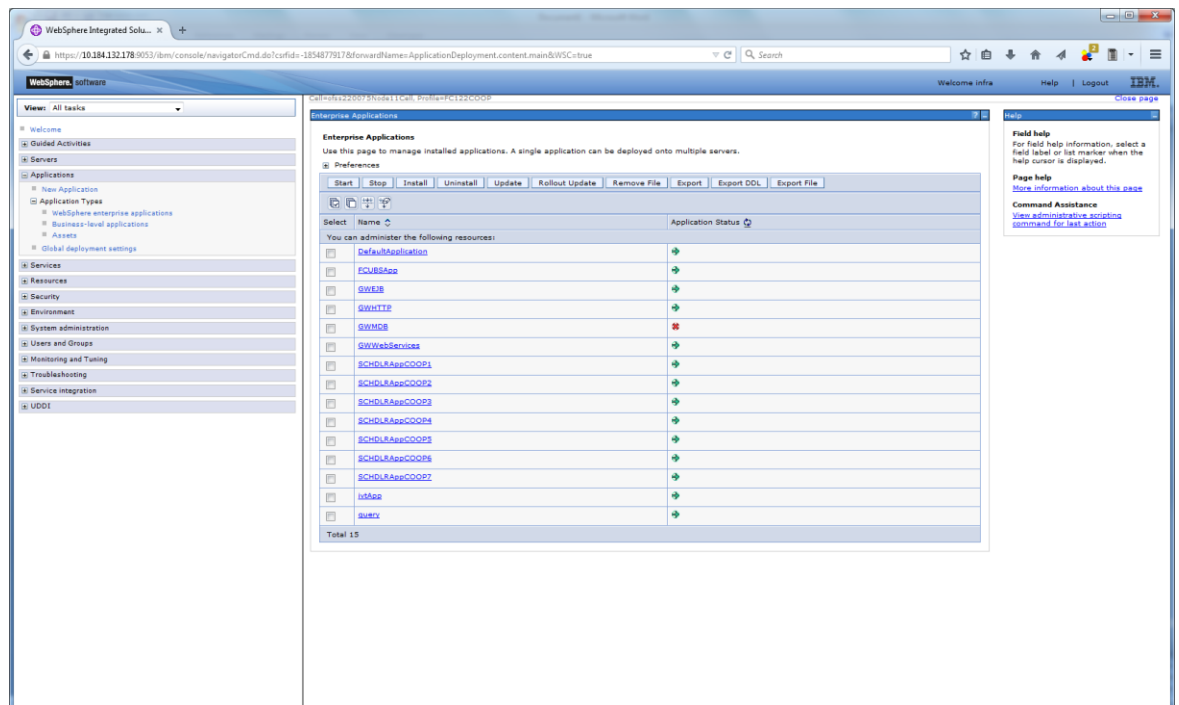
14. Give necessary details as shown and click next.



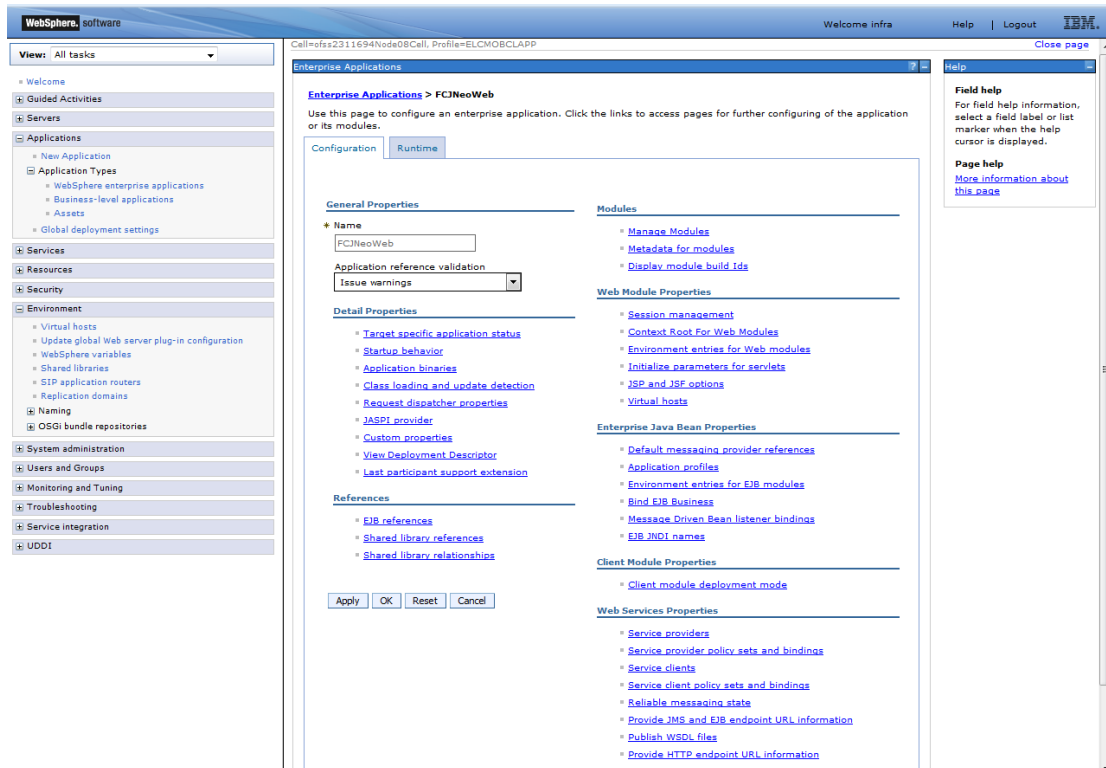
15. Click on continue and below screen is displayed.



18. Click on save and following screen is displayed.

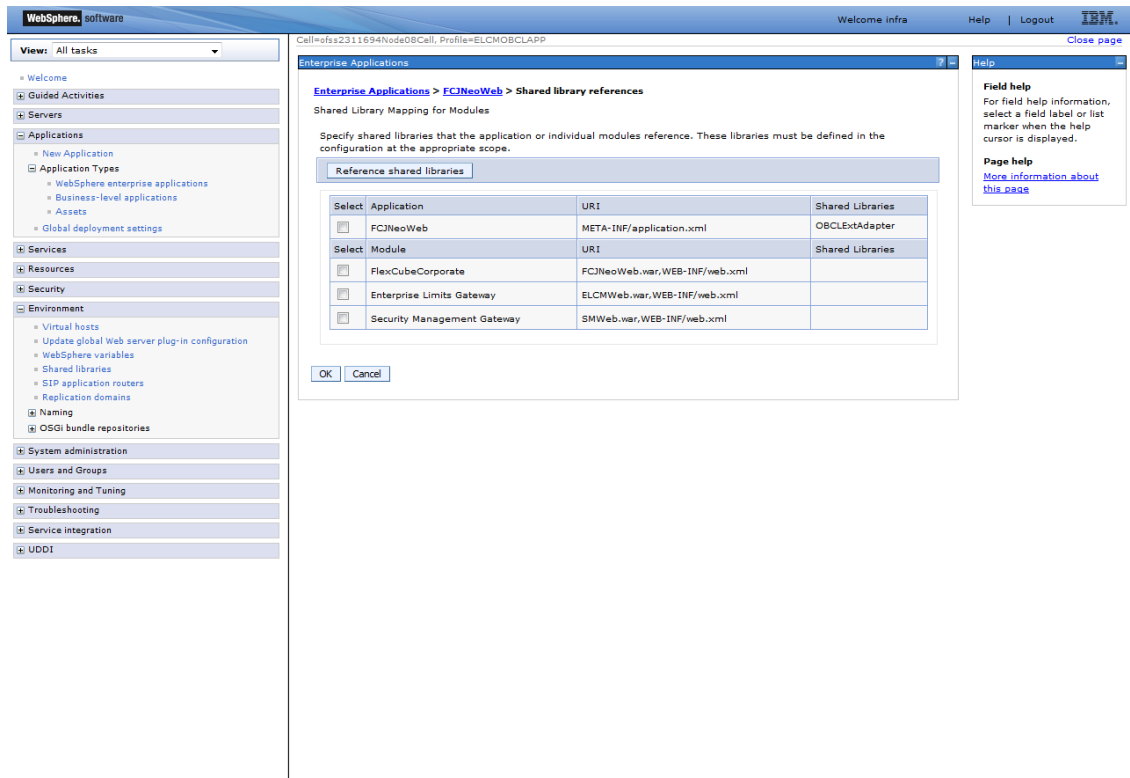


19. Click on installed FCUBS Application and the following screen is displayed.



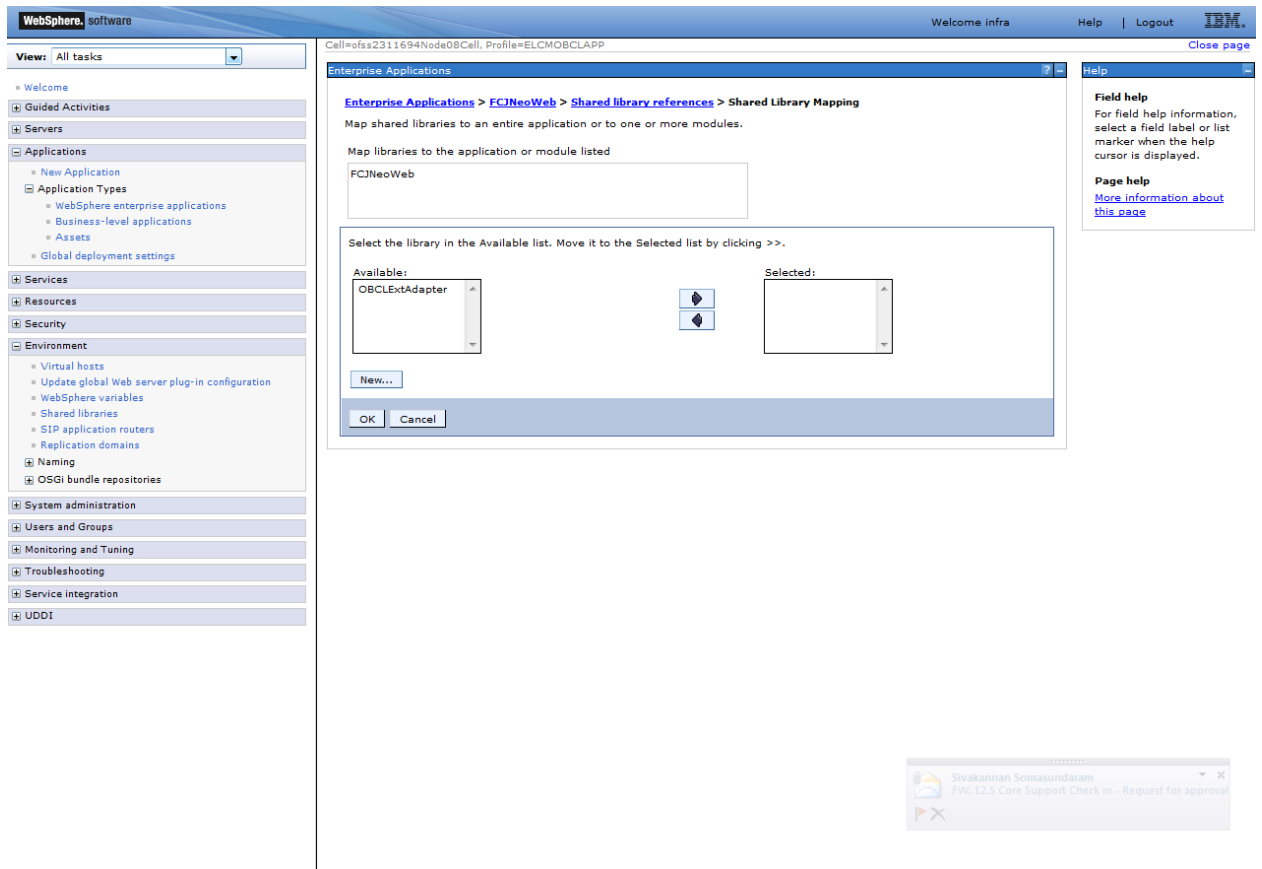
20. Click 'Shared library references' under 'References'.

The following screen is displayed.



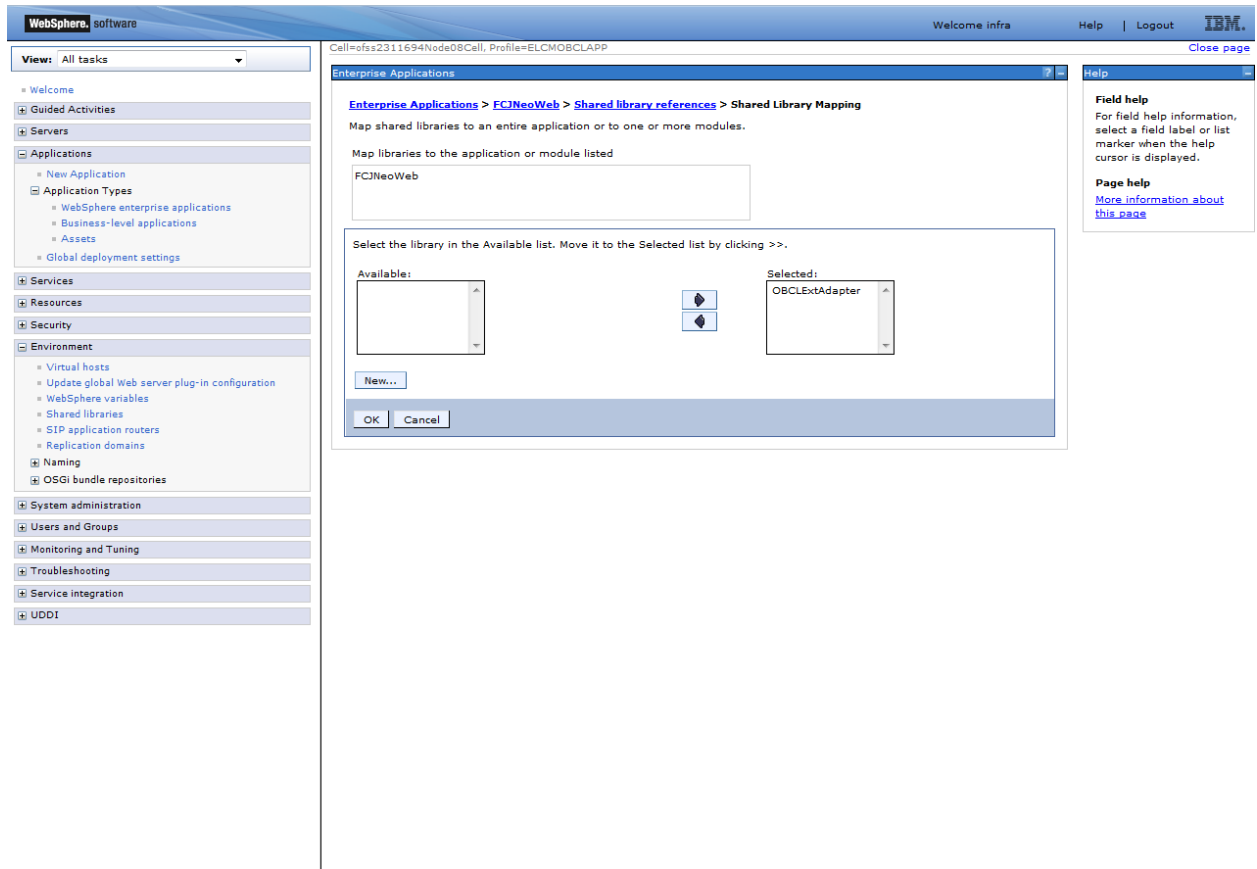
21. Select your Application and click 'Reference Shared Library'.

The following screen is displayed.



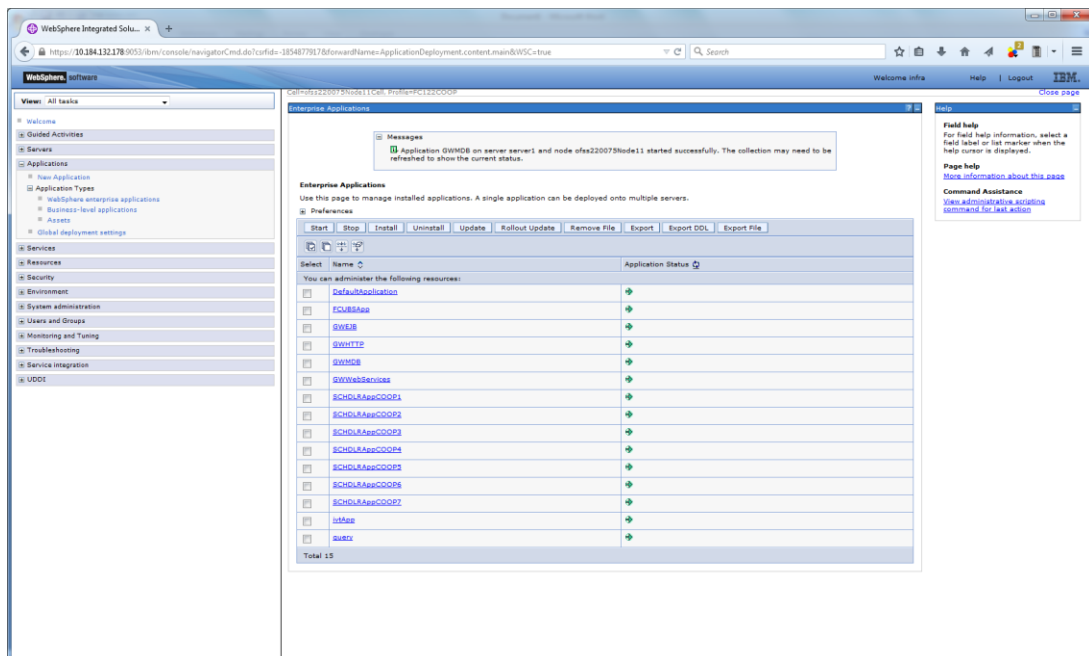
22. Click on right arrow button to add Available shared library reference.

The following screen is displayed.



23. Click 'OK' and 'Save' the changes.

24. Select the deployed EAR and click 'Start'.



MDB EAR deployment is successfully finished.

1.2.7 OBTR HTTP Application Deployment

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

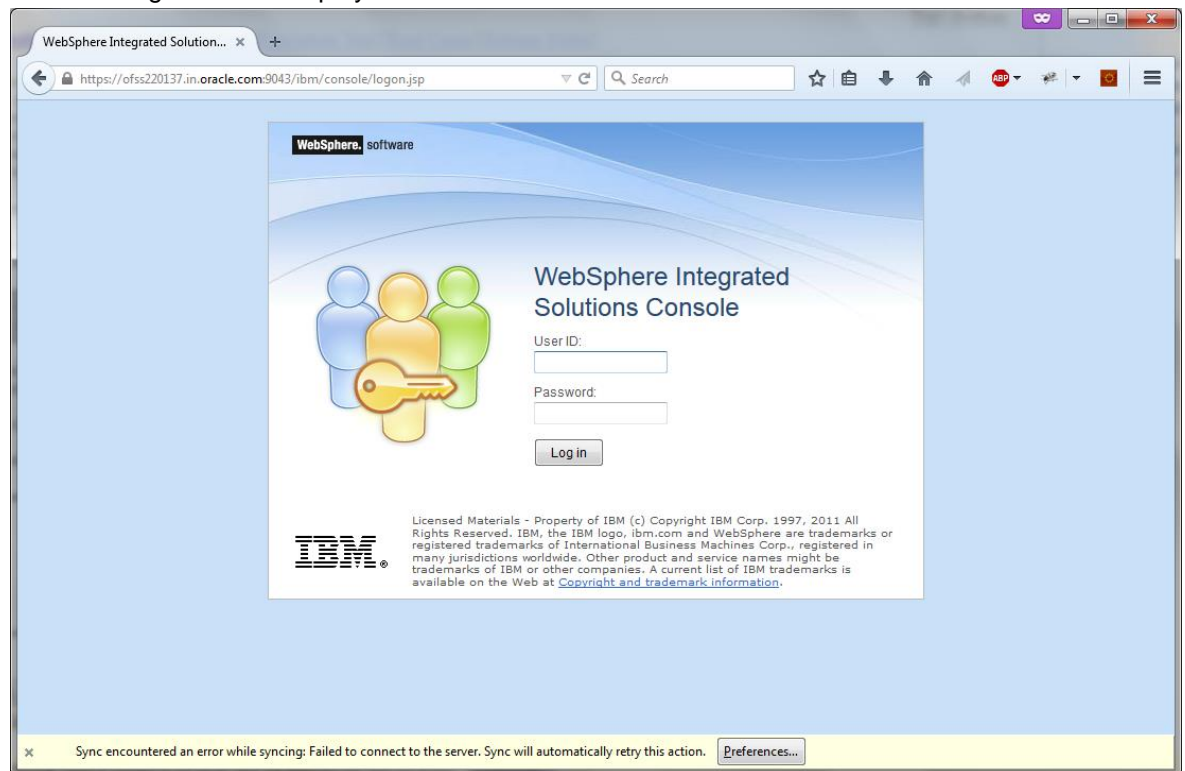
1. Open the Administrative Console of WebSphere server:

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.

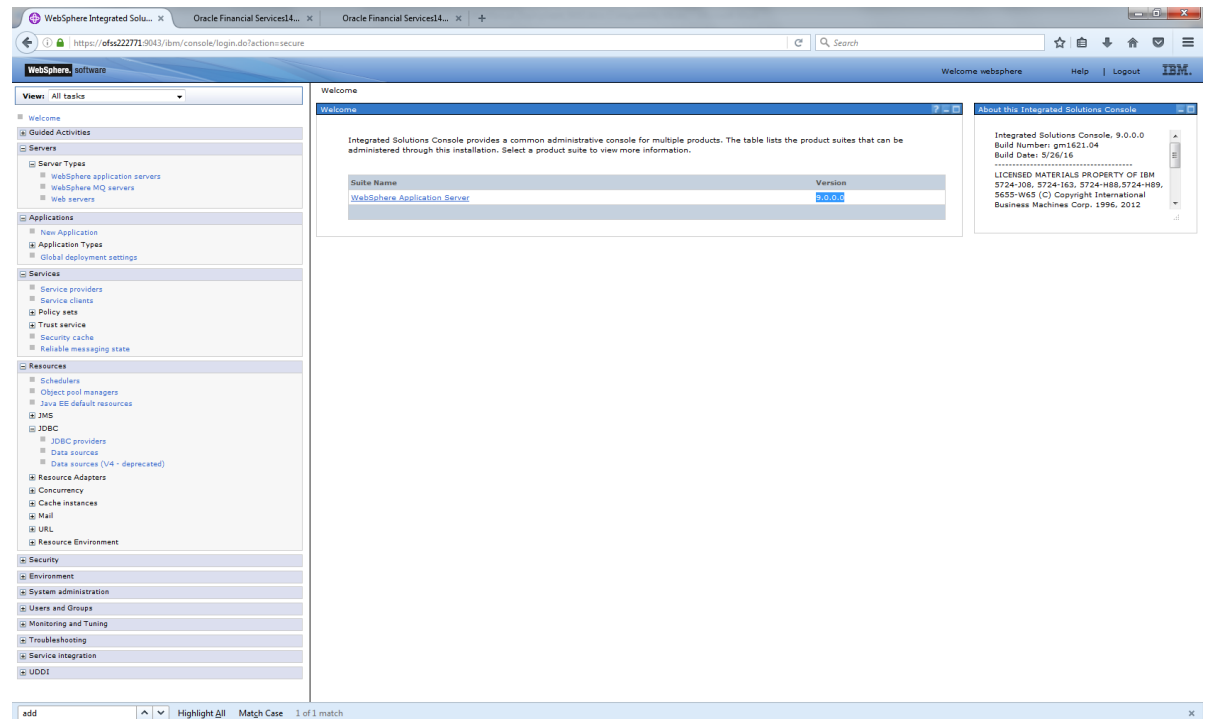
The following screen is displayed:



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

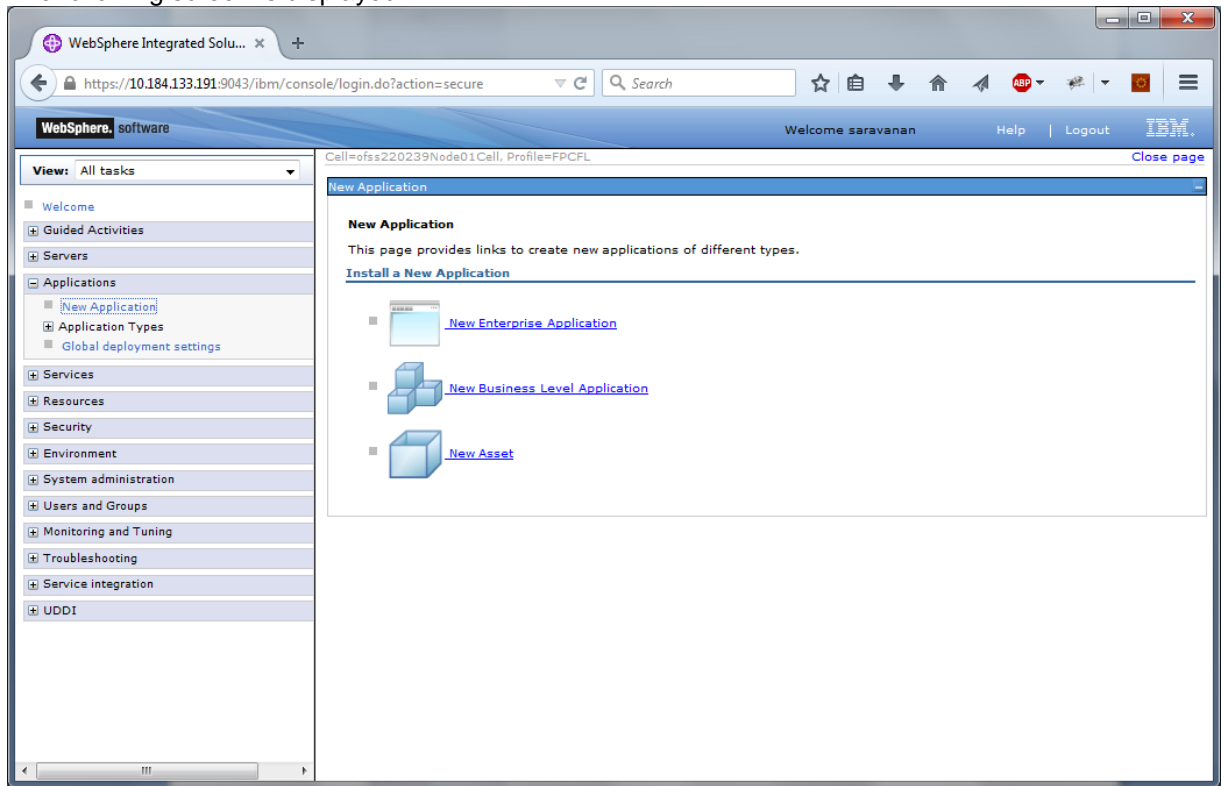
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

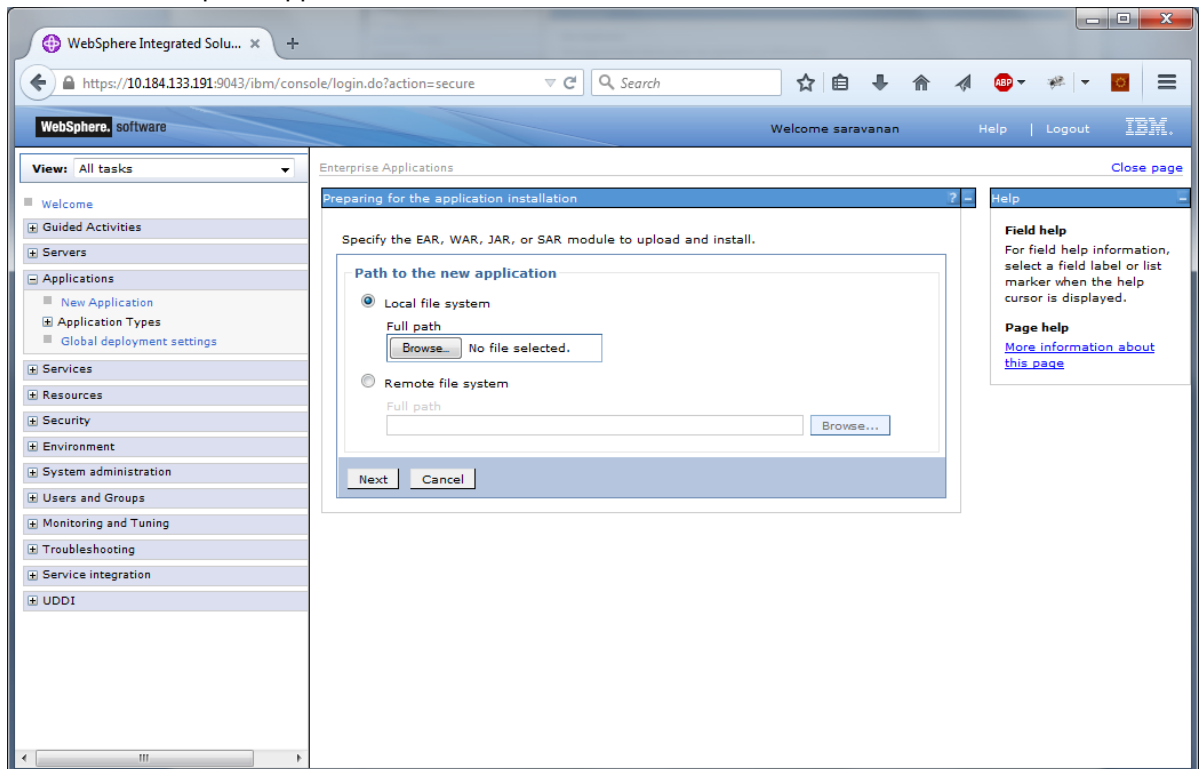


4. Expand Applications from left-side menu and Click 'New Application'.

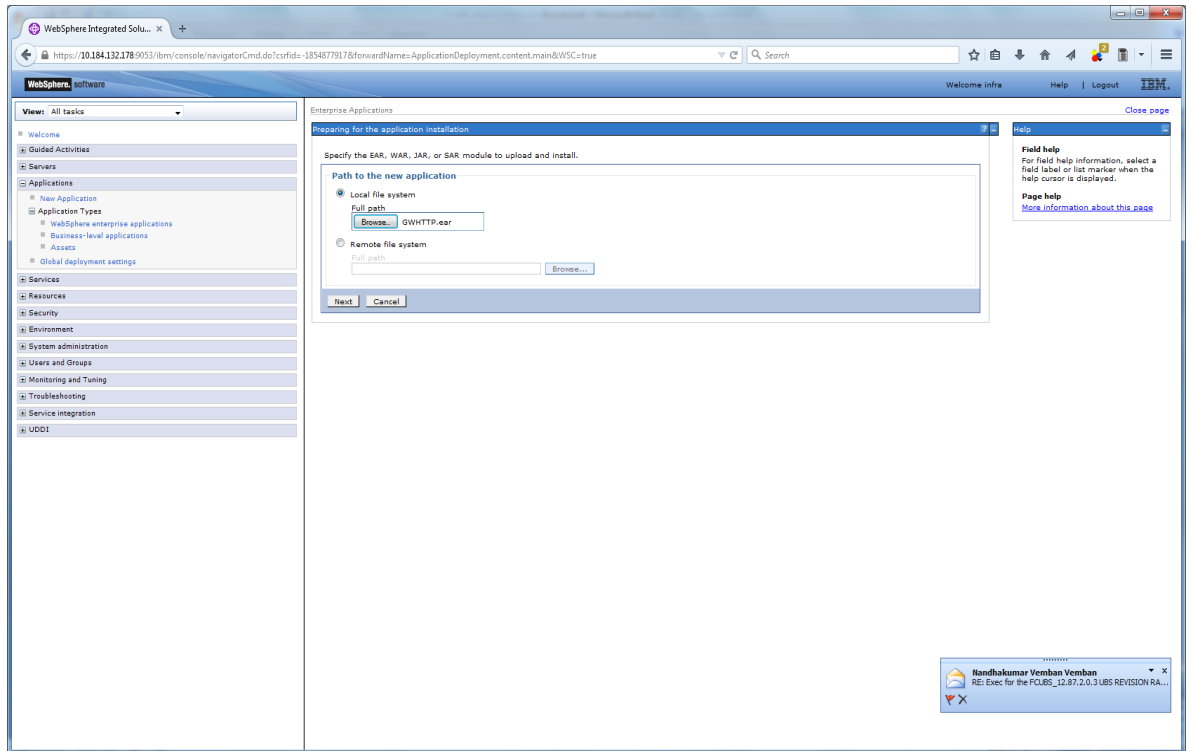
The following screen is displayed.



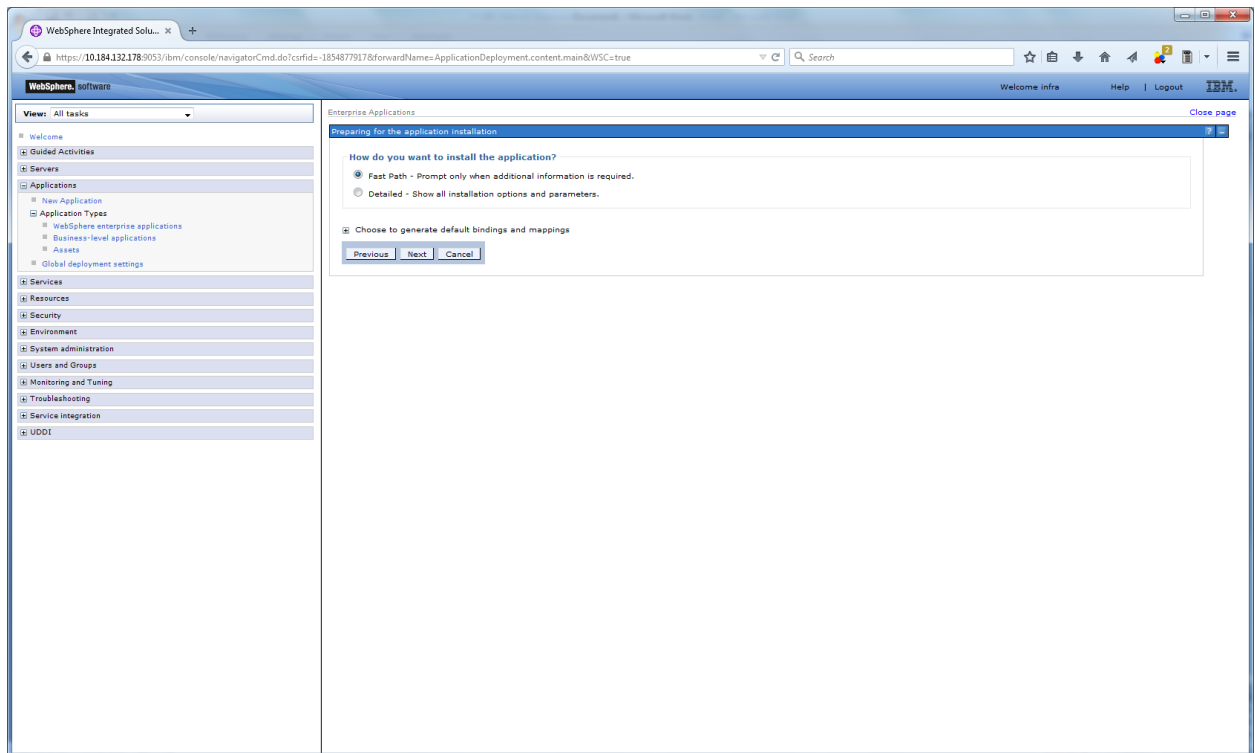
5. Click 'New Enterprise Application'.



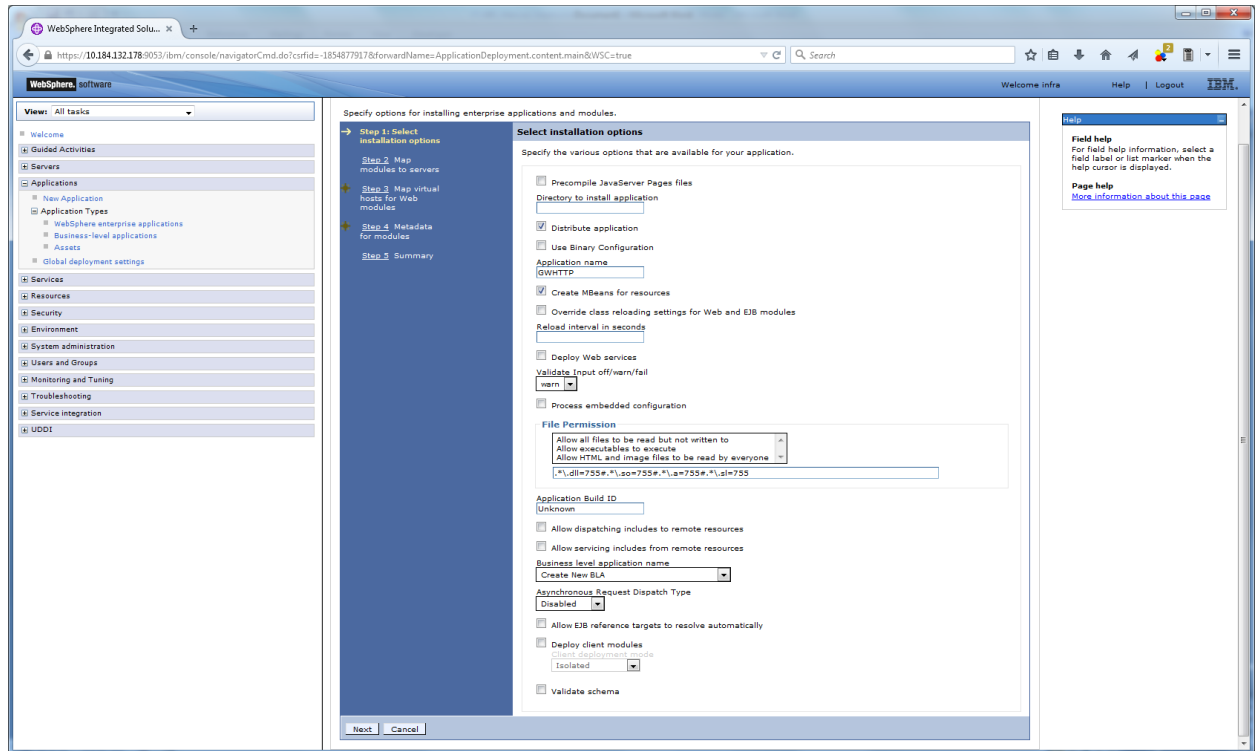
6. Browse the application EAR file and click next button



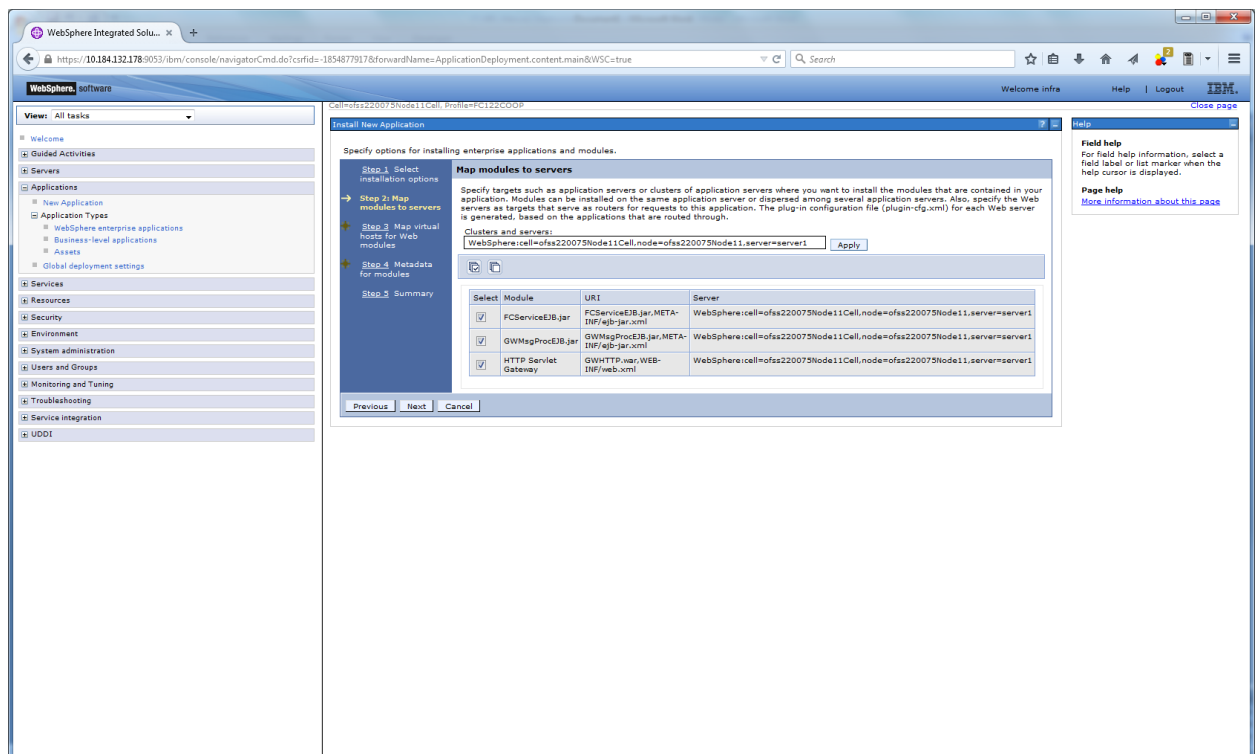
7. Click next and the following screen is displayed.



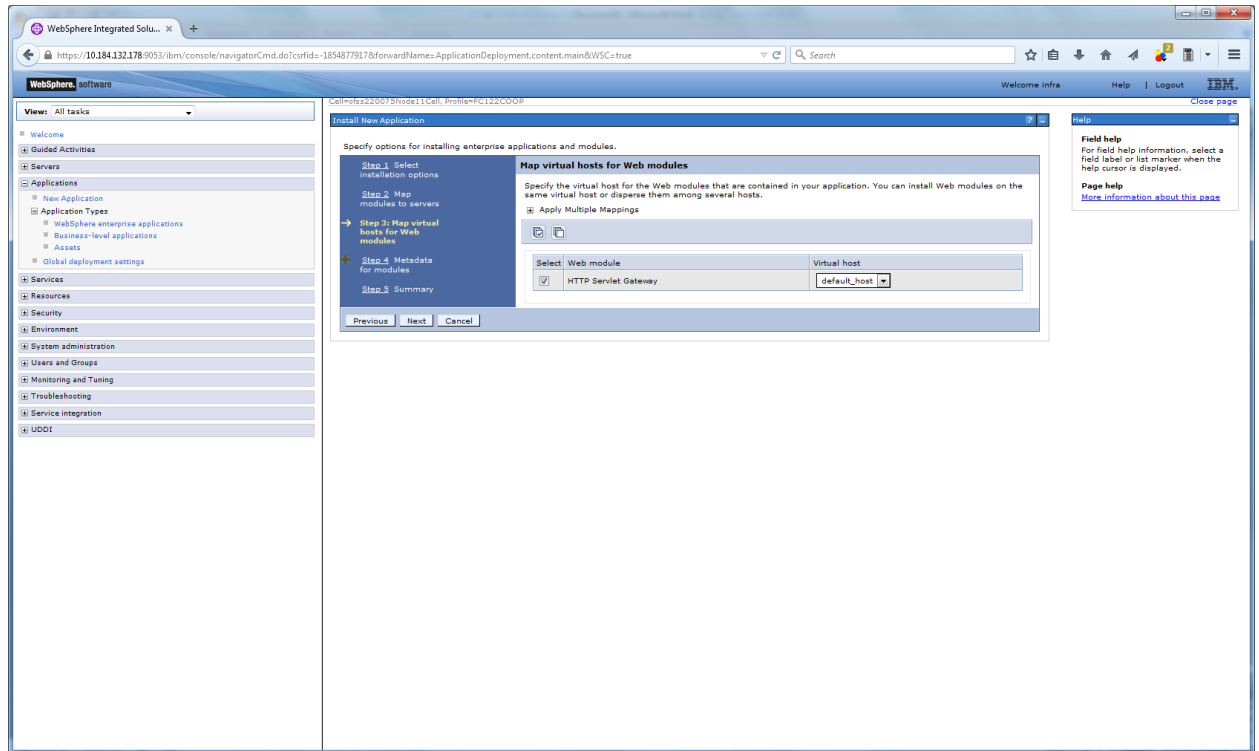
8. Click next and the following screen is displayed.



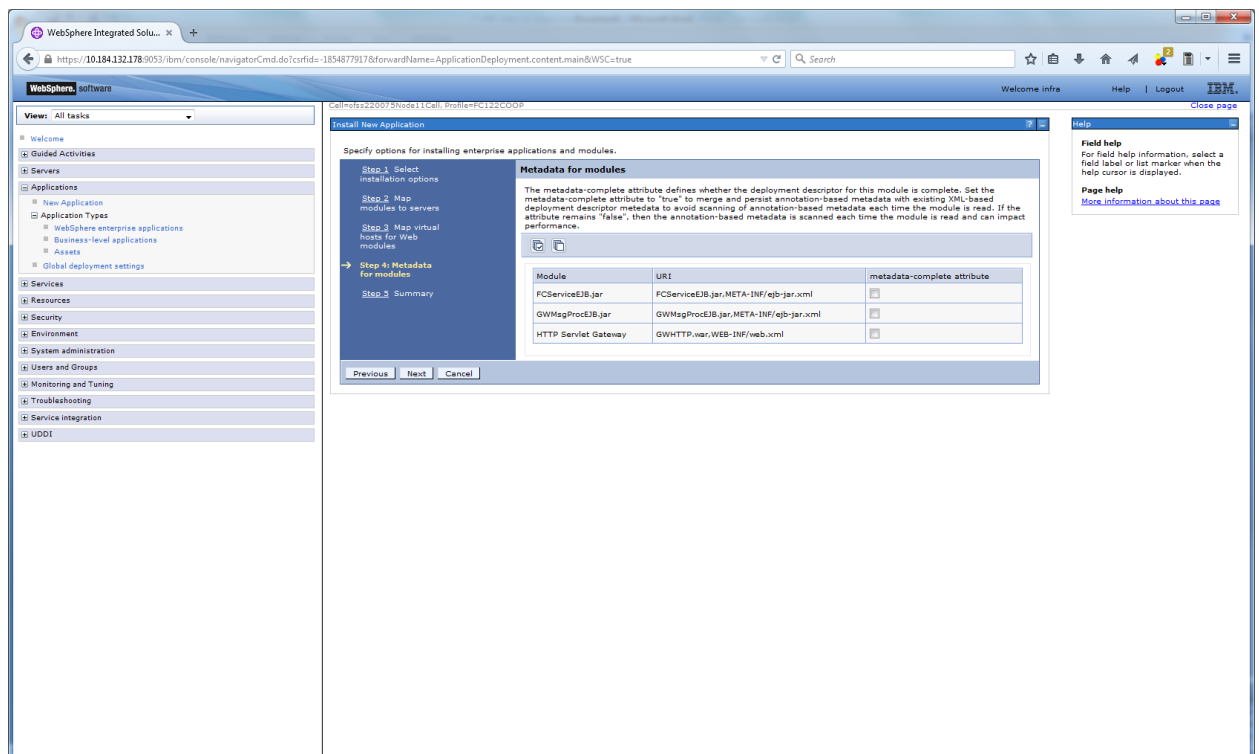
9. Click next and the following screen is displayed.



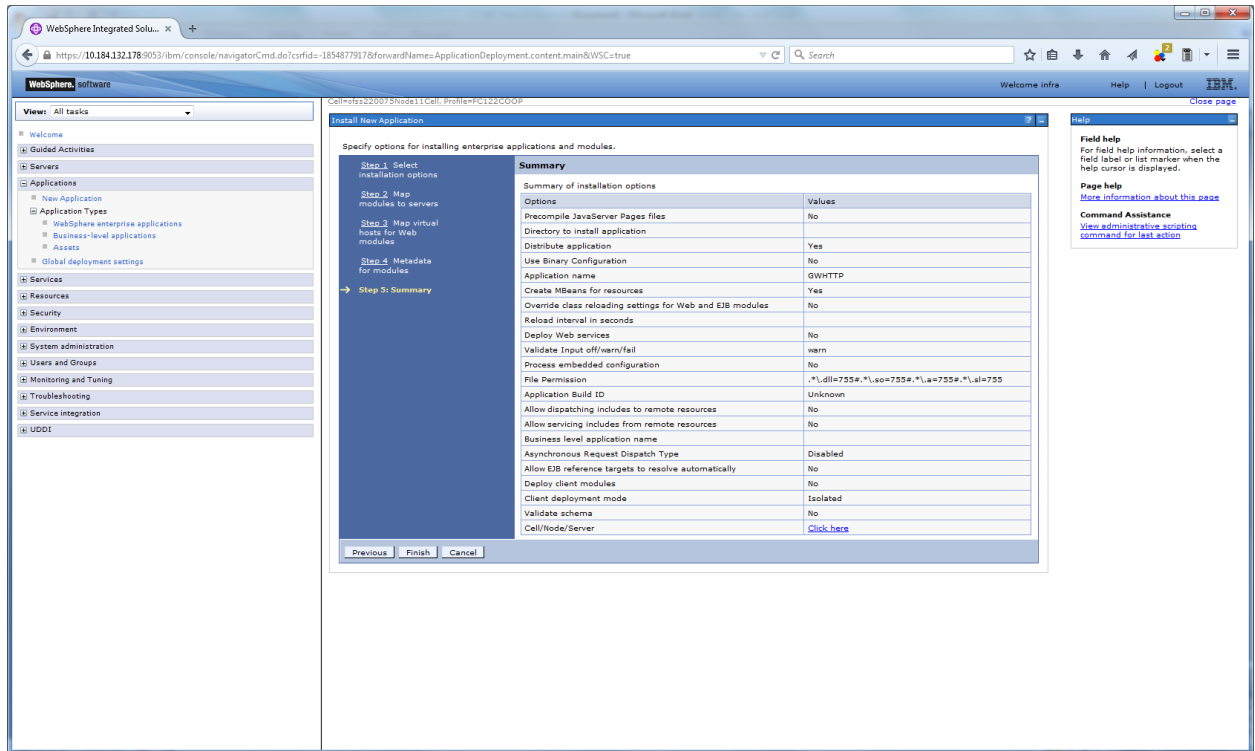
10. Click next and the following screen is displayed.



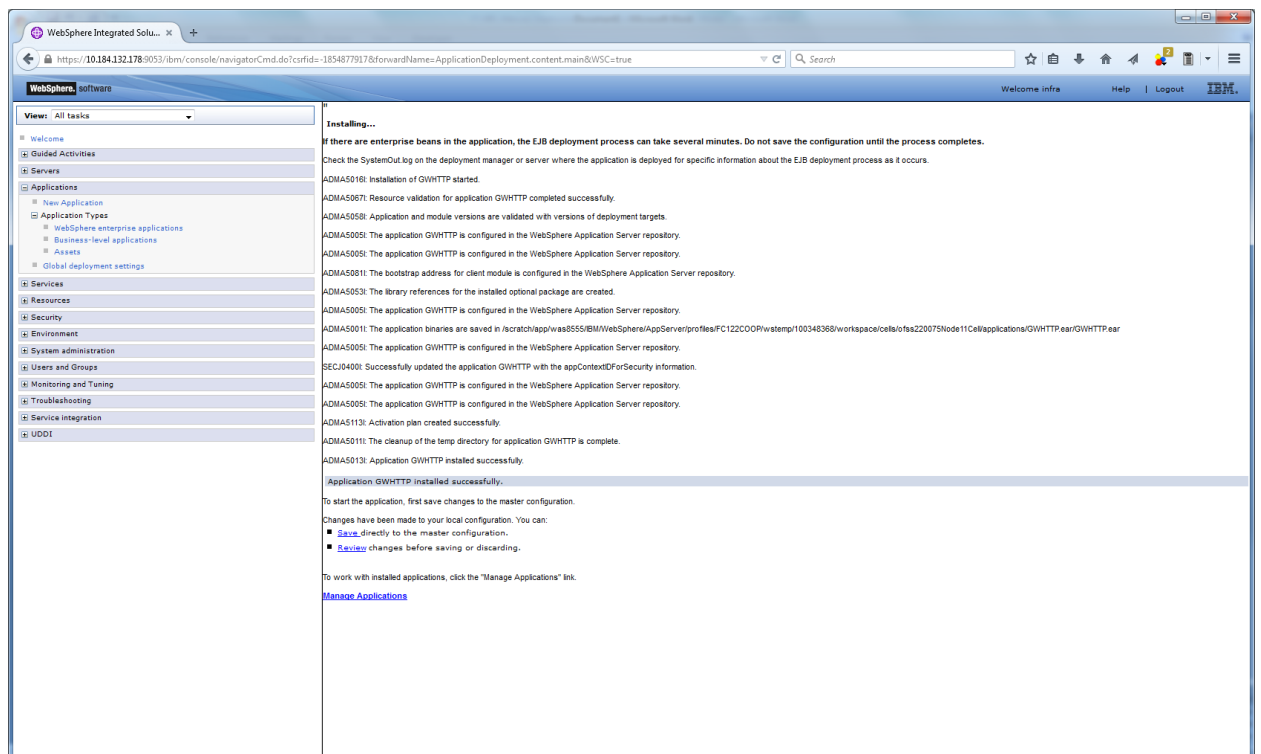
11. Click next and the following screen is displayed.



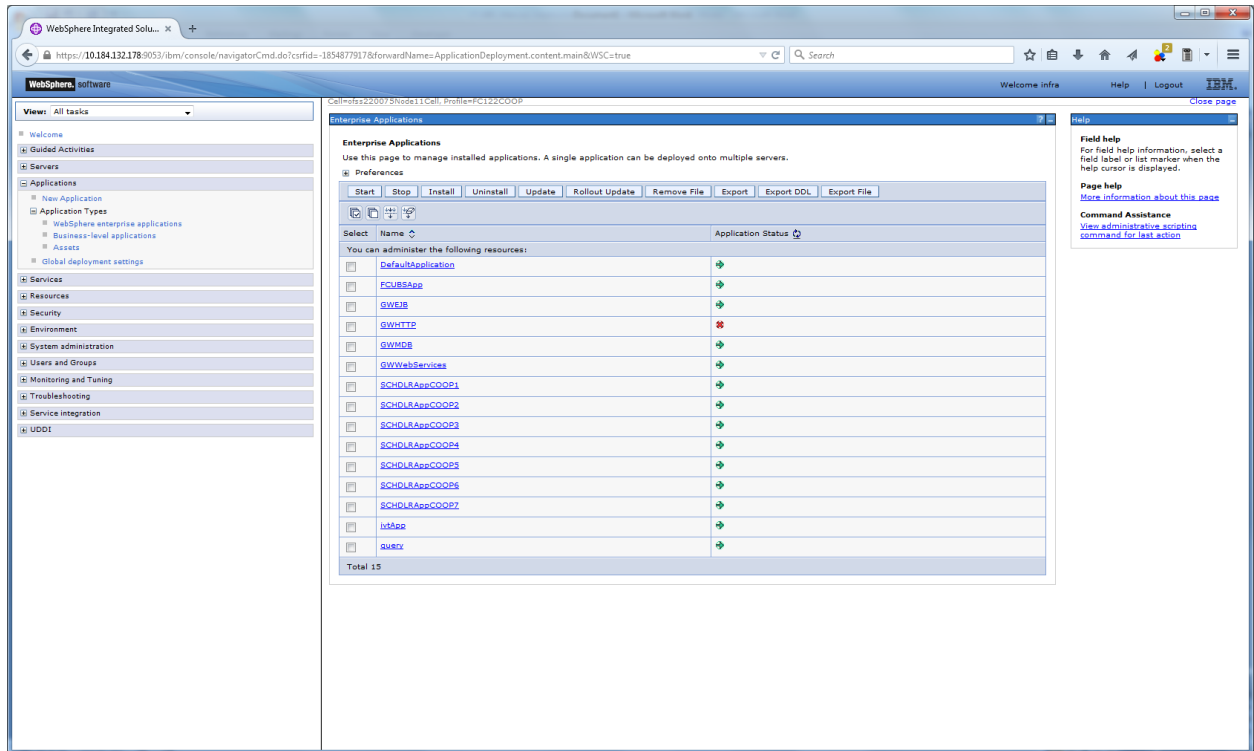
12. Click next and the following screen is displayed.



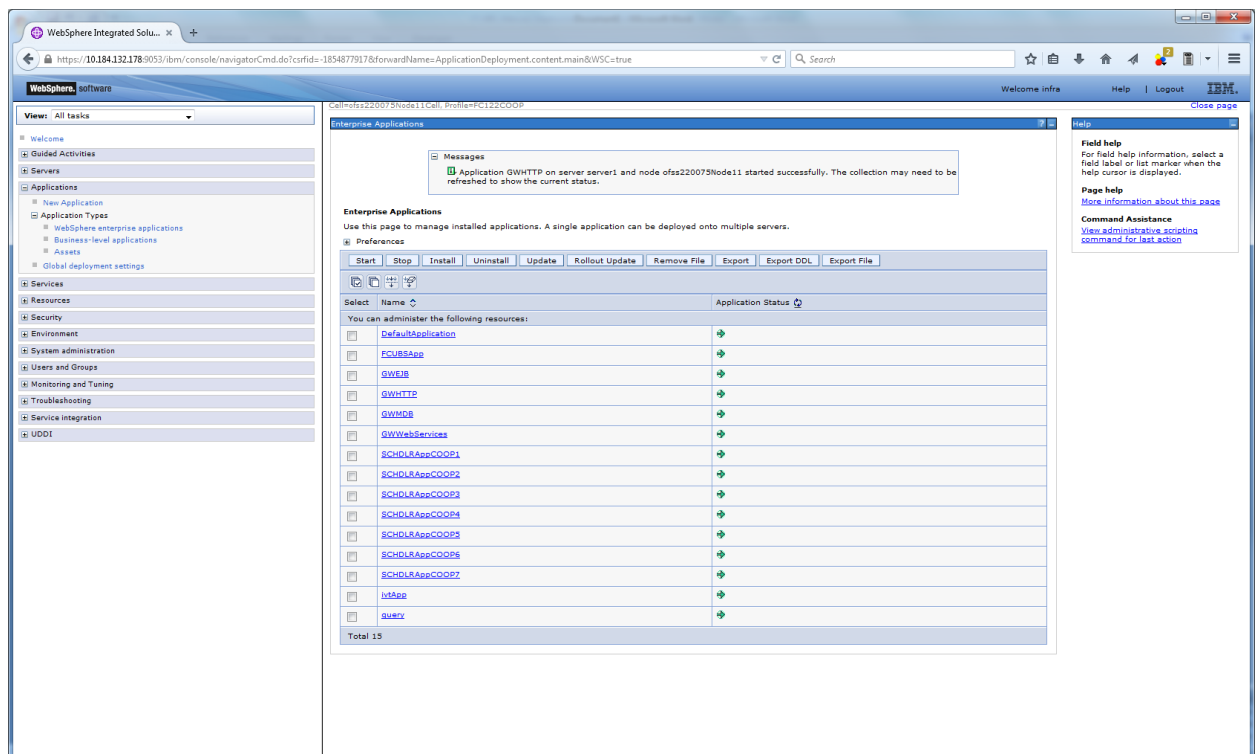
13. Click on finish and the following screen is displayed.



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:

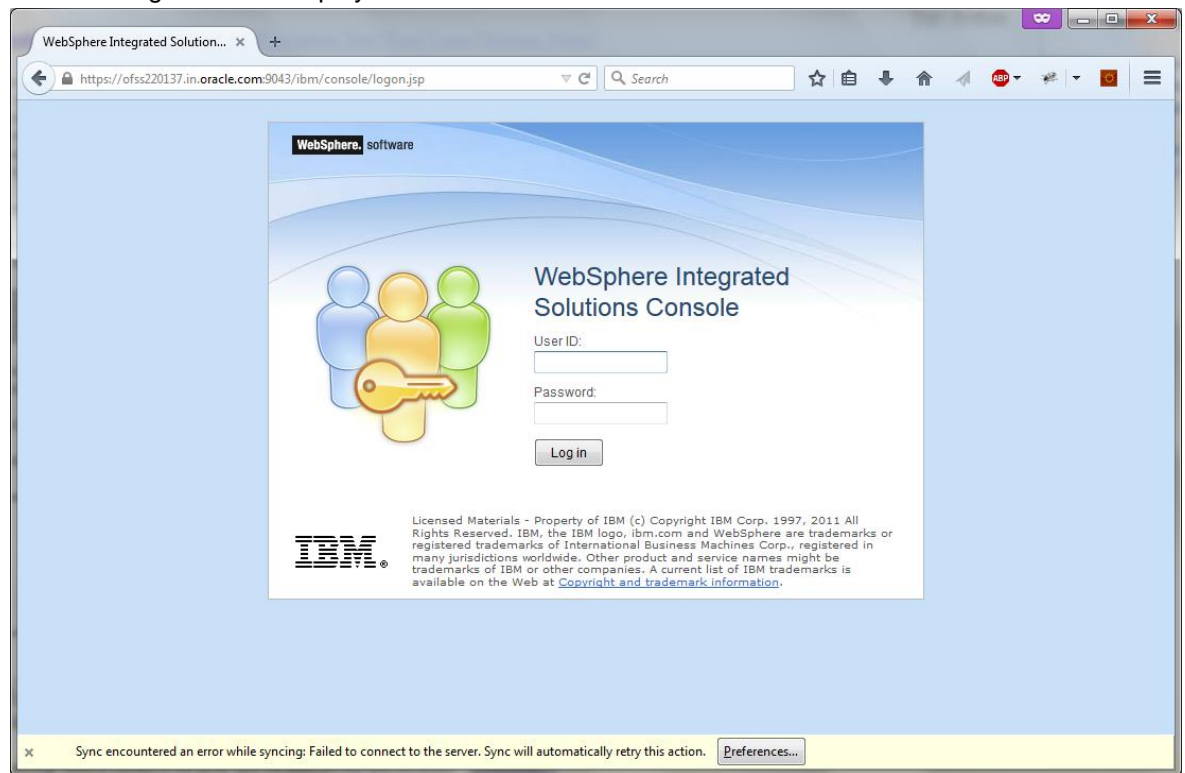
1. Open the Administrative Console of WebSphere server:

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

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

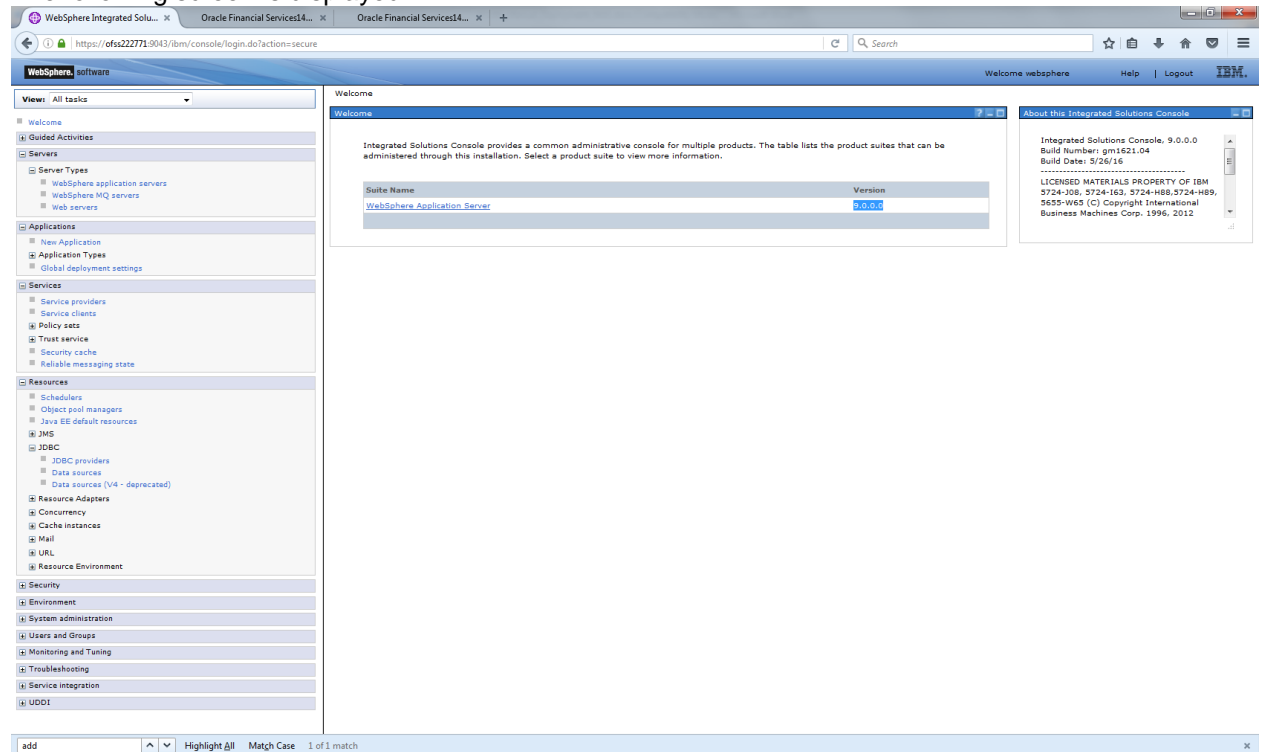
In the above example, 10.10.10.10 is the machine IP address on which WebSphere is running.

The following screen is displayed:



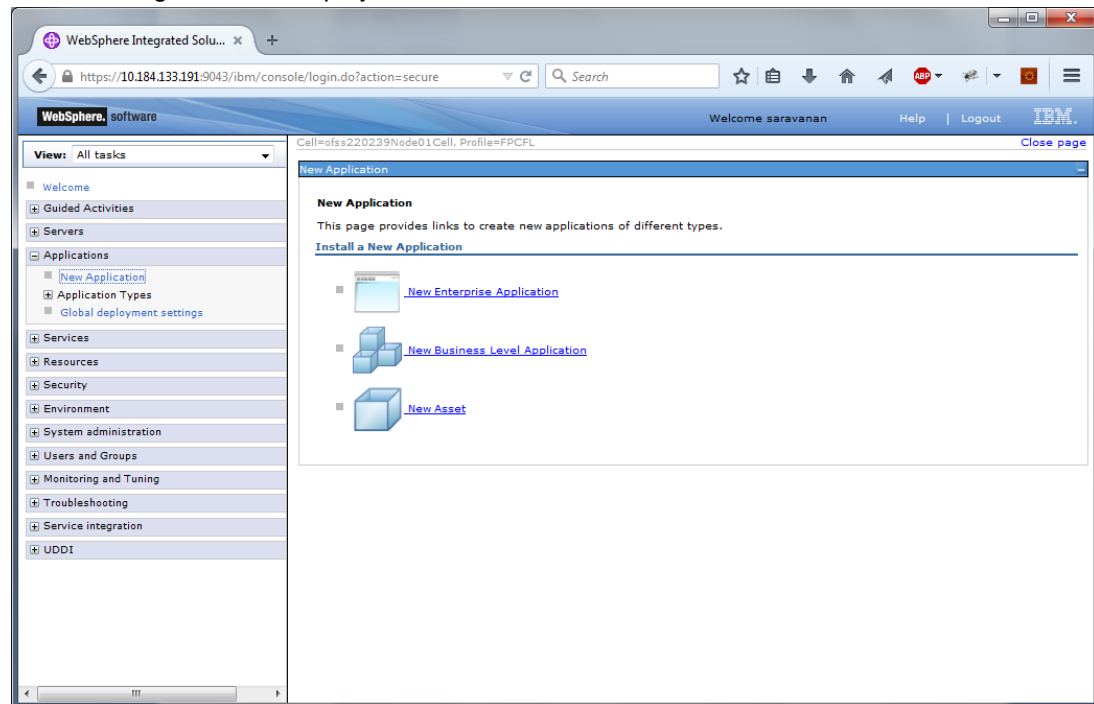
2. Enter the user name and password and click 'Log In' to log in to the application server.
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

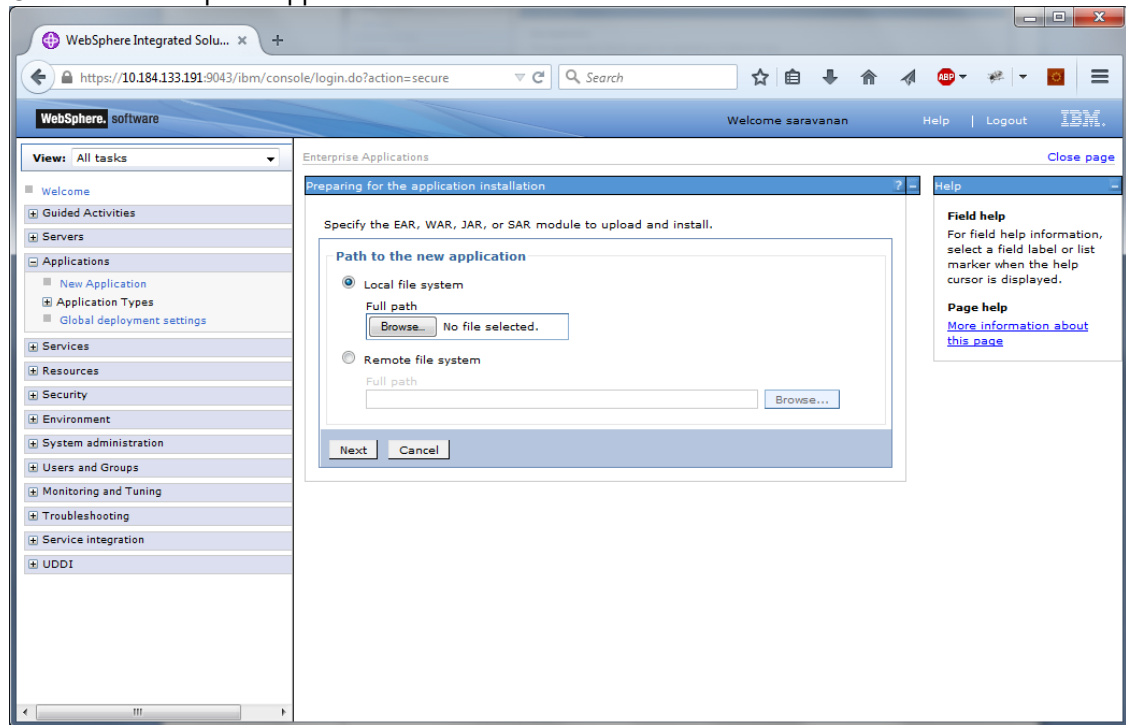


4. Expand Applications from left-side menu and Click 'New Application'.

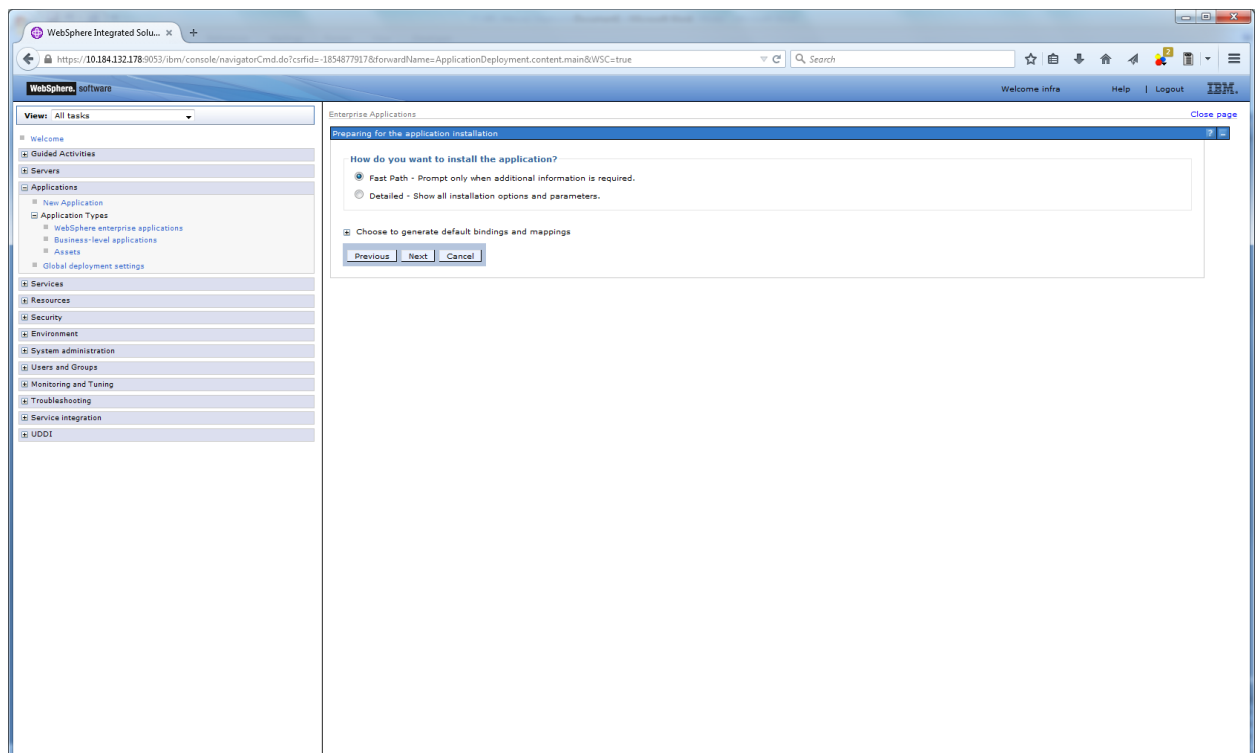
The following screen is displayed.



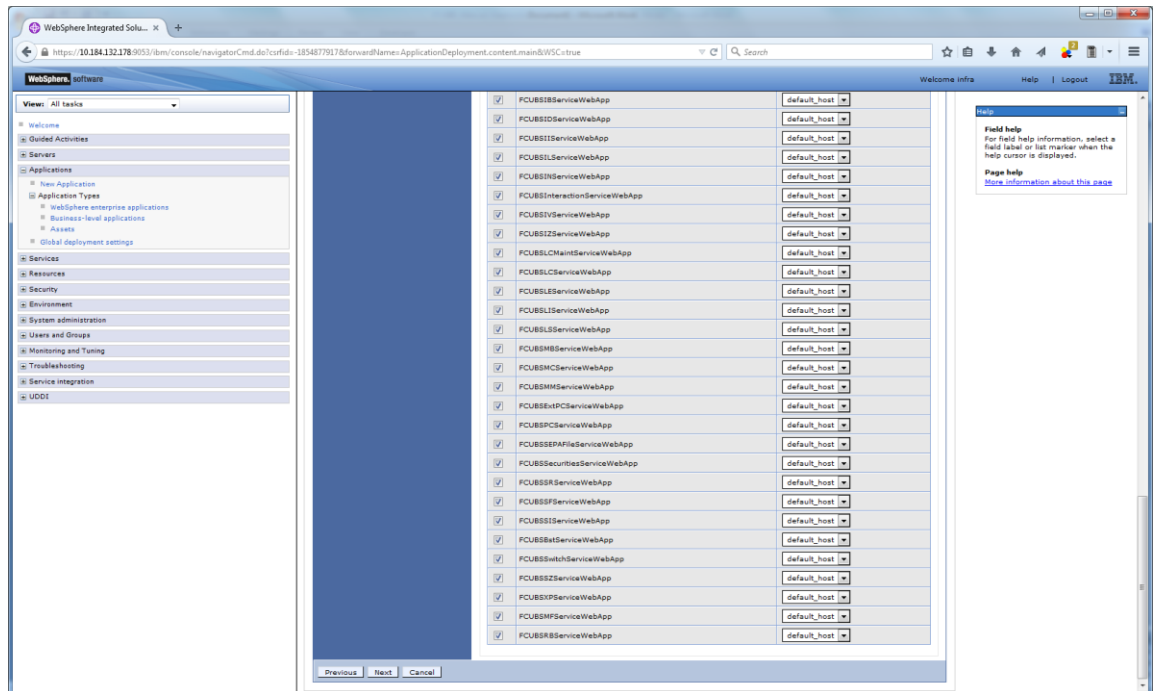
5. Click 'New Enterprise Application.'



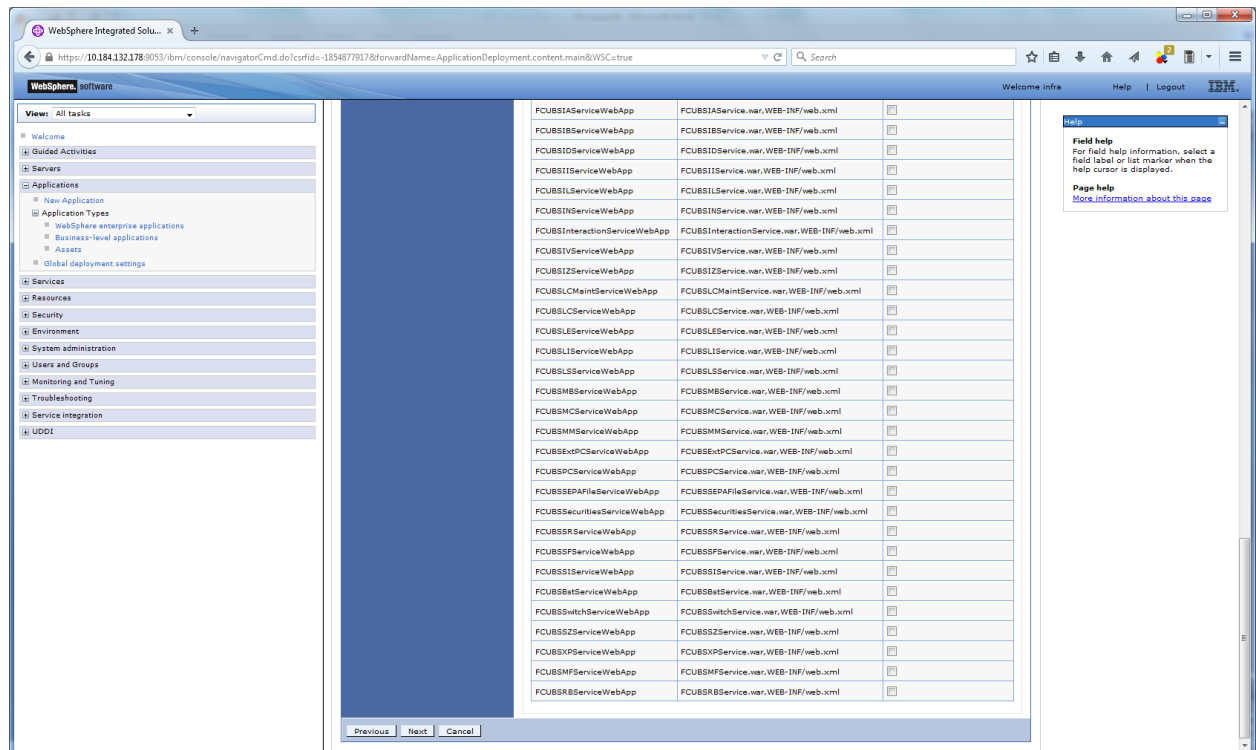
6. Browse the application EAR file and click next button.



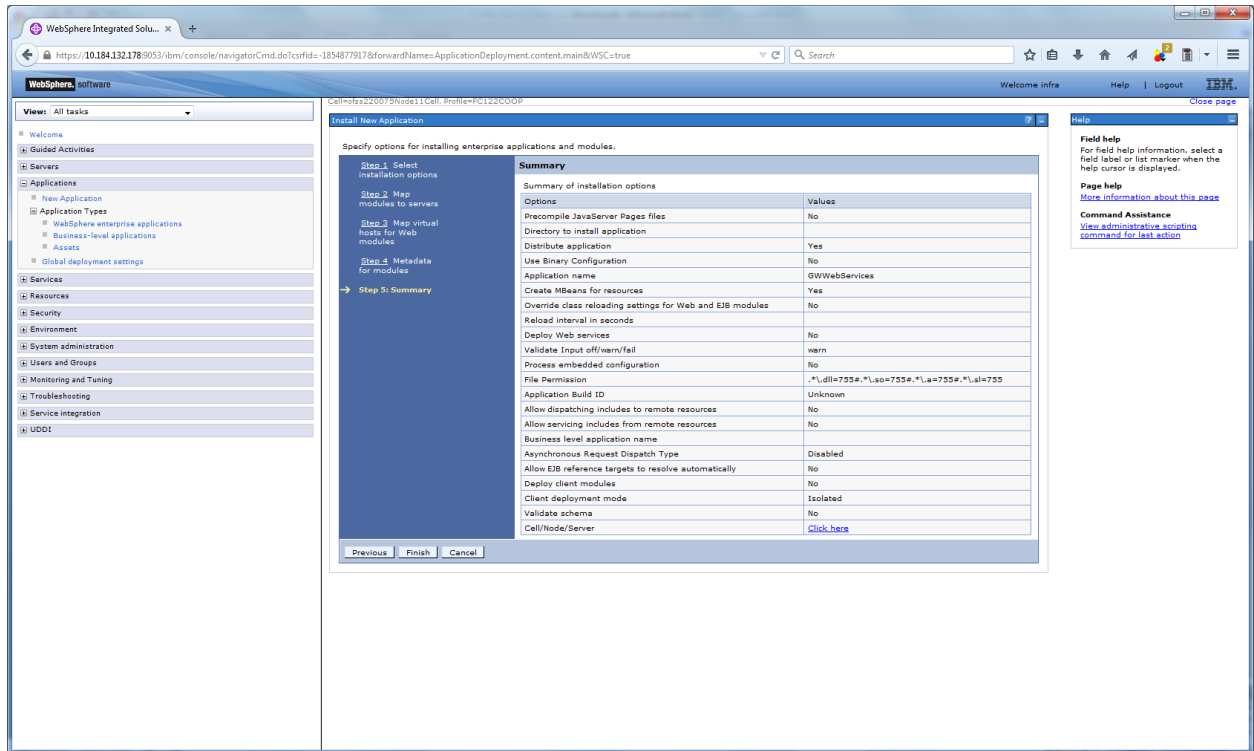
7. Click on next and the following screen is displayed.



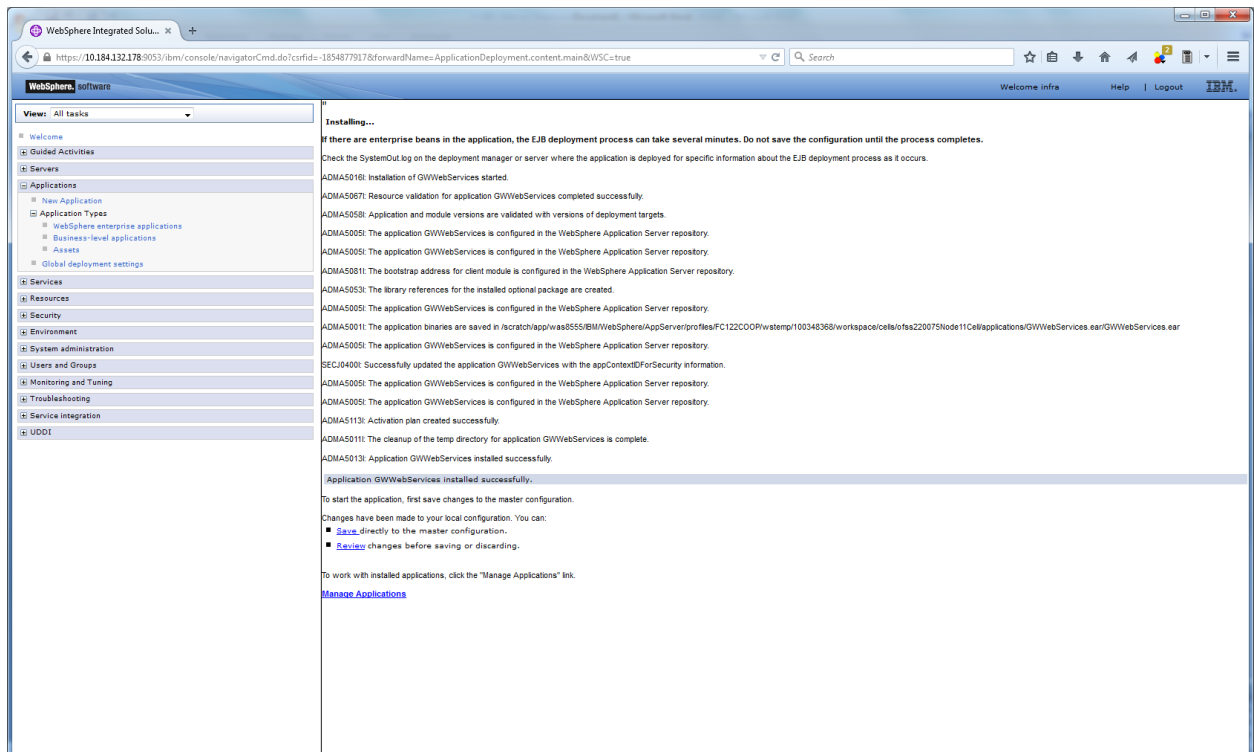
10. Click on next and the following screen is displayed.



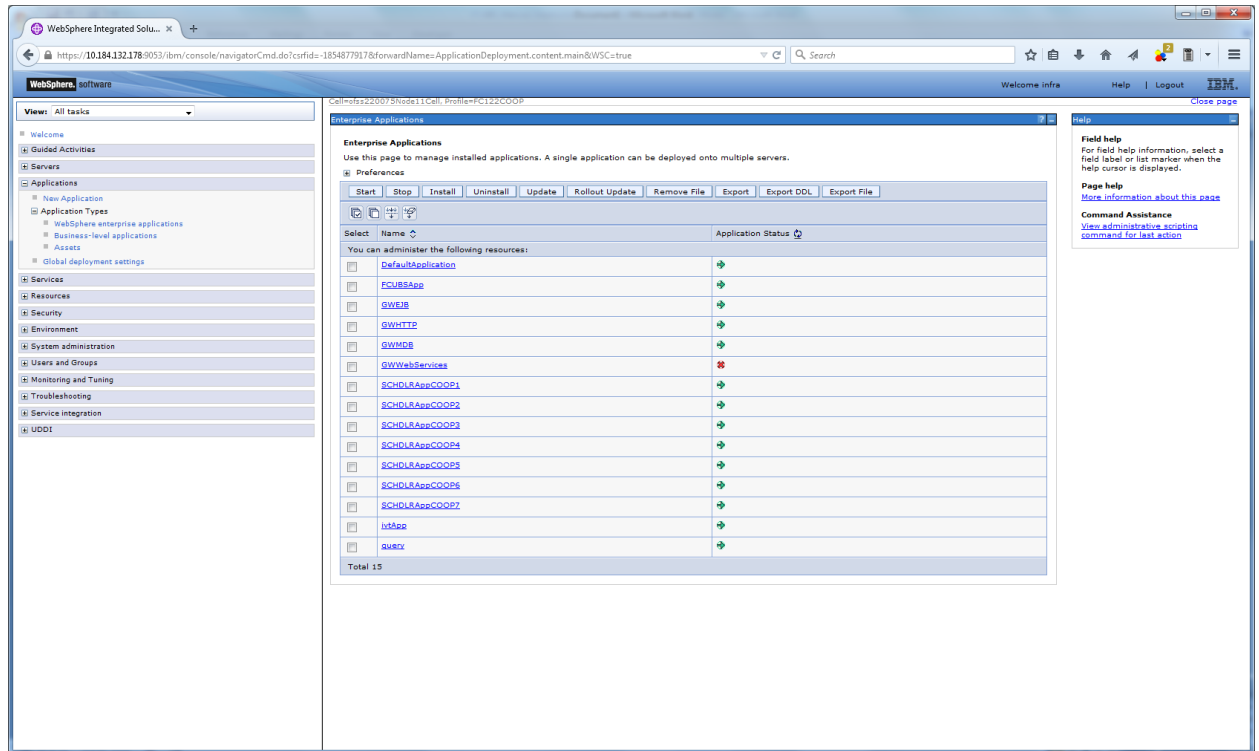
11. Click on next and the following screen is displayed.



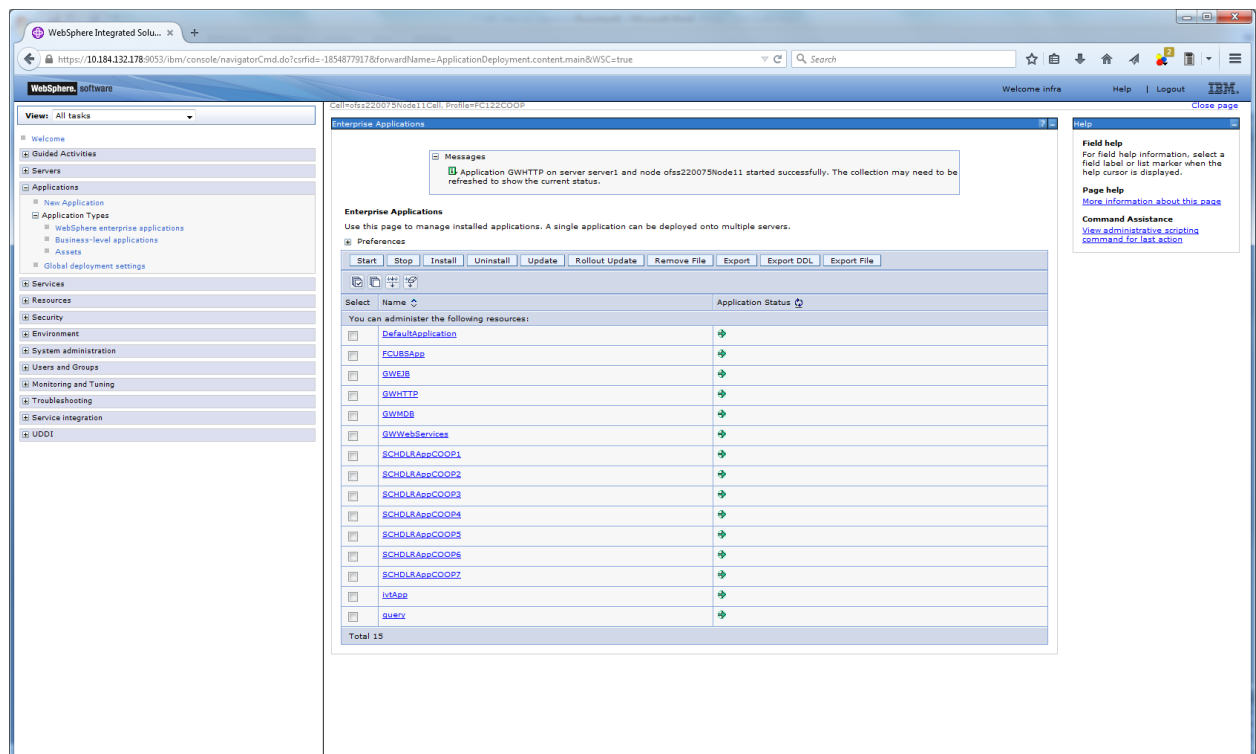
12. Click on finish and the following screen displayed.



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

[November] [2022]

Version 14.7.0.0.0

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