

Deploying Oracle FLEXCUBE Investor Servicing Application
on WebSphere
Oracle FLEXCUBE Investor Servicing
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1. Deploying Oracle FLEXCUBE Investor Servicing on WebSphere

1.1 Introduction

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

1.2 Deploying Application

1.2.1 FCIS Application Deployment

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

1. Open the Administrative Console of WebSphere server:

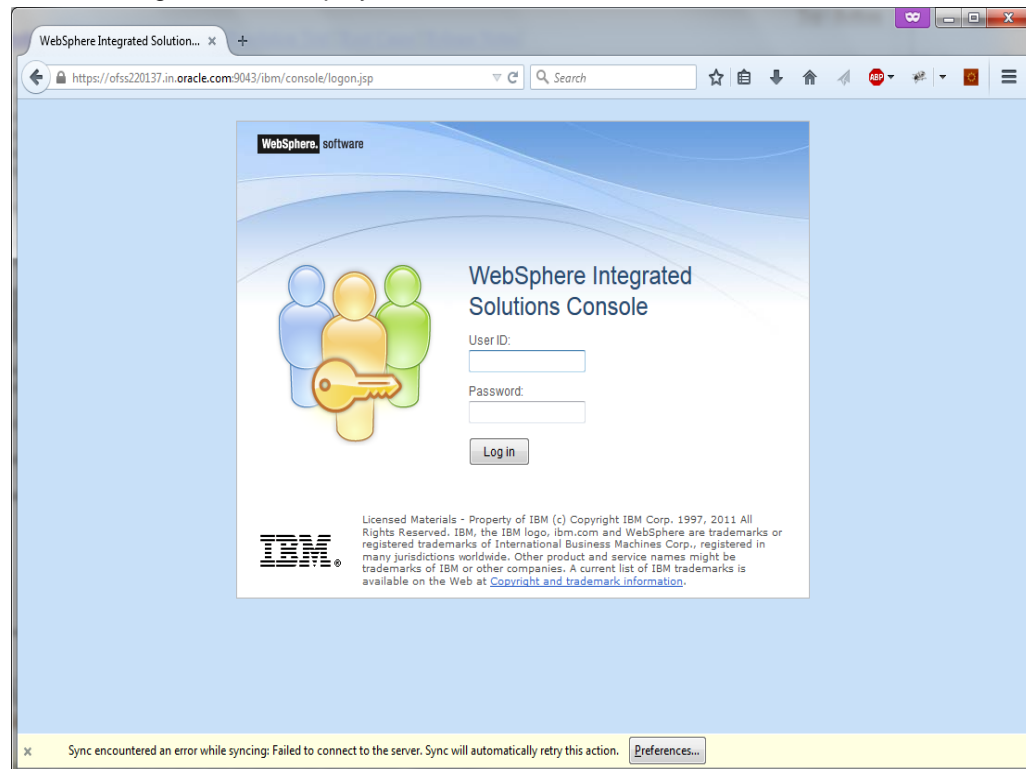
Open an internet browser and type the WebSphere Admin Console URL

`http://{Host}:{Port}/console.`

Eg: `https://10.80.45.203:9043/console`

In the above example, 10.80.45.203 is the machine IP address on which WebSphere is running.

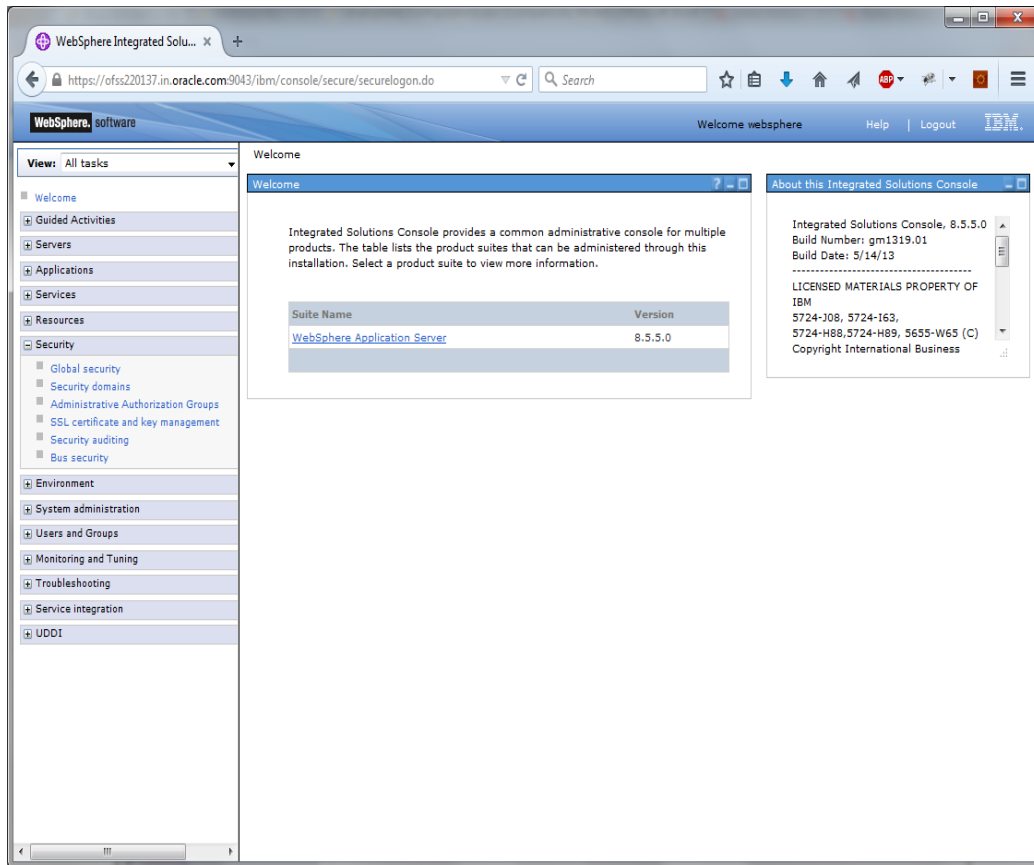
The following screen is displayed:



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

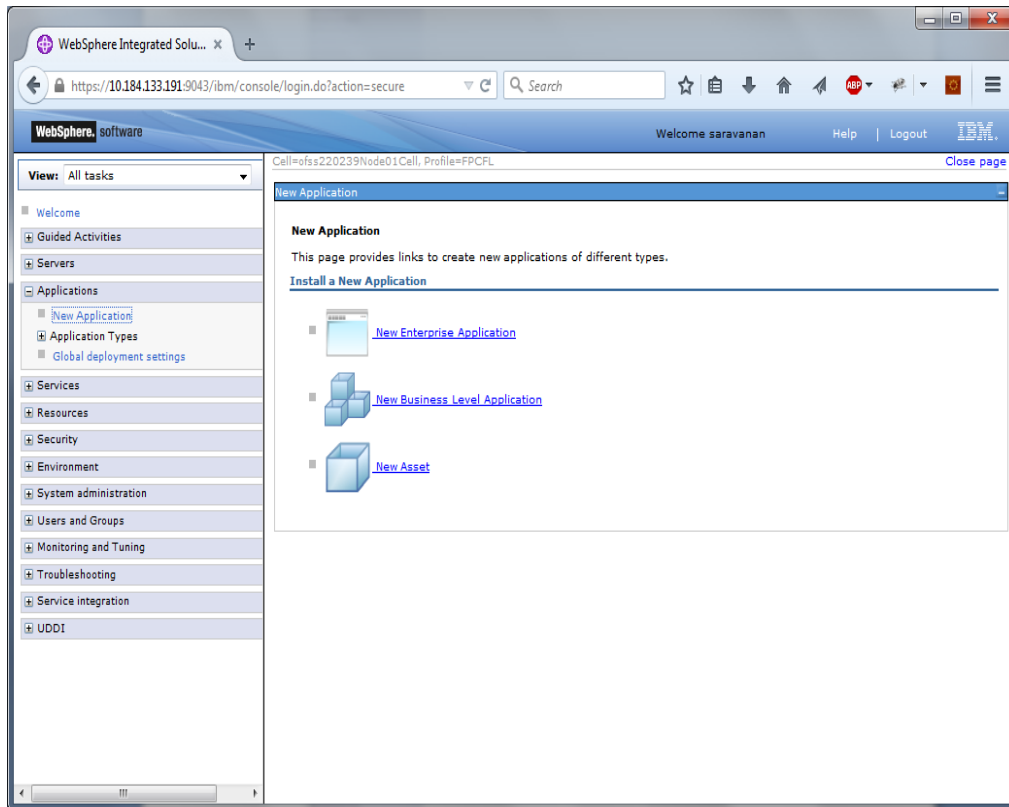
3. Navigate to the WebSphere Home Page.

The following screen is displayed.

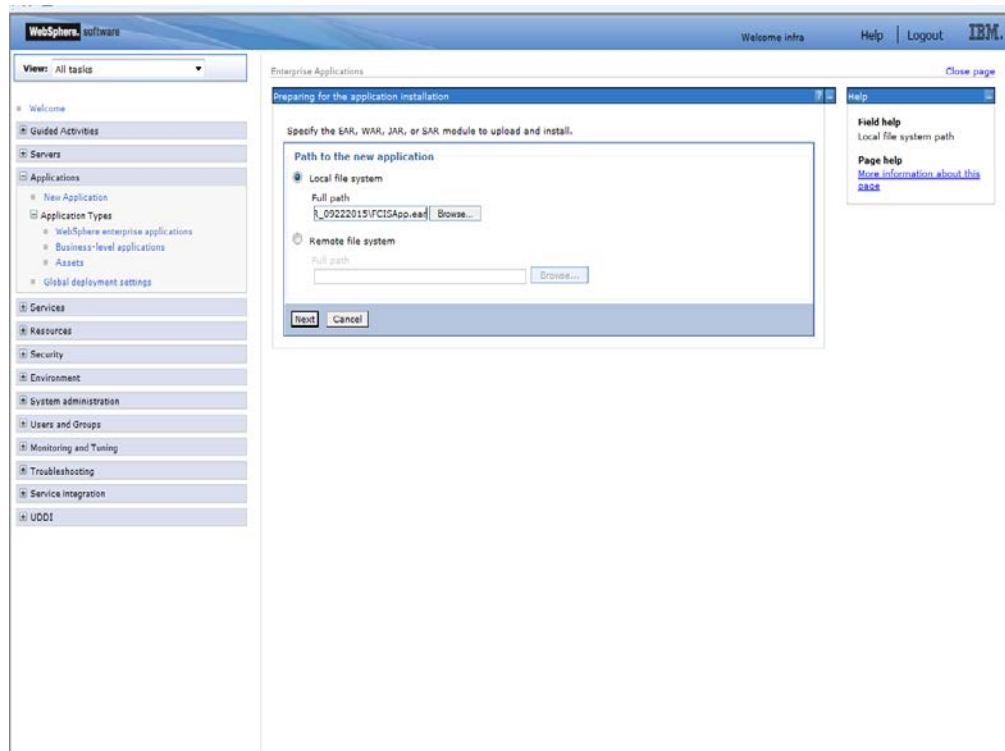


4. Expand Applications and Click 'New Application'.

The following screen is displayed.



5. Click 'New Enterprise Application'.



6. Browse the application EAR file and click Next.

WebSphere Integrated Solutions console interface showing the 'Preparing for the application installation' dialog.

The left sidebar displays a navigation tree with the following items:

- 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

The main content area shows the 'Enterprise Applications' section with the title 'Preparing for the application installation'.

The dialog asks: **How do you want to install the application?**

Two radio button options are available:

- ☒ Fast Path - Prompt only when additional information is required.
- ☐ Detailed - Show all installation options and parameters.

Below the radio buttons, there is a checkbox labeled 'Choose to generate default bindings and mappings' which is currently unchecked.

At the bottom of the dialog, there are three buttons: 'Previous', 'Next', and 'Cancel'.

WebSphere, software

View: All tasks

- Welcome
- Guided Activities
- Servers
- Applications
 - New Application
 - Application Types
 - WebSphere enterprise applications
 - Business-level applications
 - Assets
 - Global deployment settings
- Services
 - Resources
 - Security
 - Environment
 - System administration
 - Users and Groups
 - Monitoring and Tuning
 - Troubleshooting
 - Service integration
 - UDDI

Cell#efs220075Ned603Cell, profile=PCIS121, ITR2

Install New Application

→ 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

Specify options for installing enterprise applications and modules.

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

☐ Deploy enterprise beans

Application name
 PCISApp

☒ 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
 !..dll=755e.!..so=755e.*!..a=755e.*!..sl=755

Application Build ID
 Unknown

☐ Allow dispatching includes to remote resources

☐ Allow servicing includes from remote resources

Business level application name
 Create New DLA

Asynchronous Request Dispatch Type
 Disabled

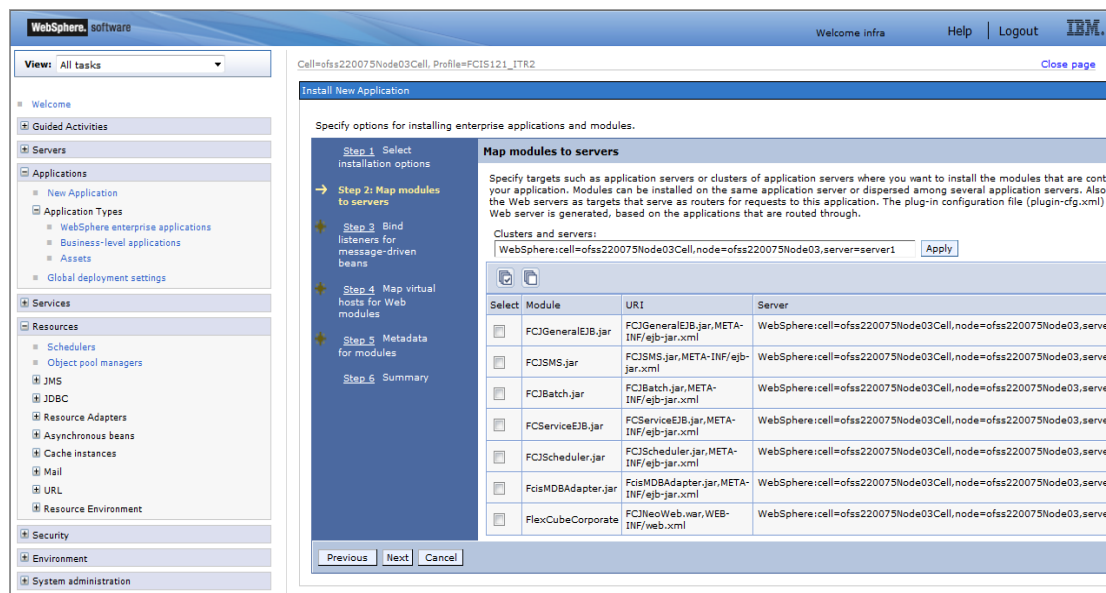
Field help

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

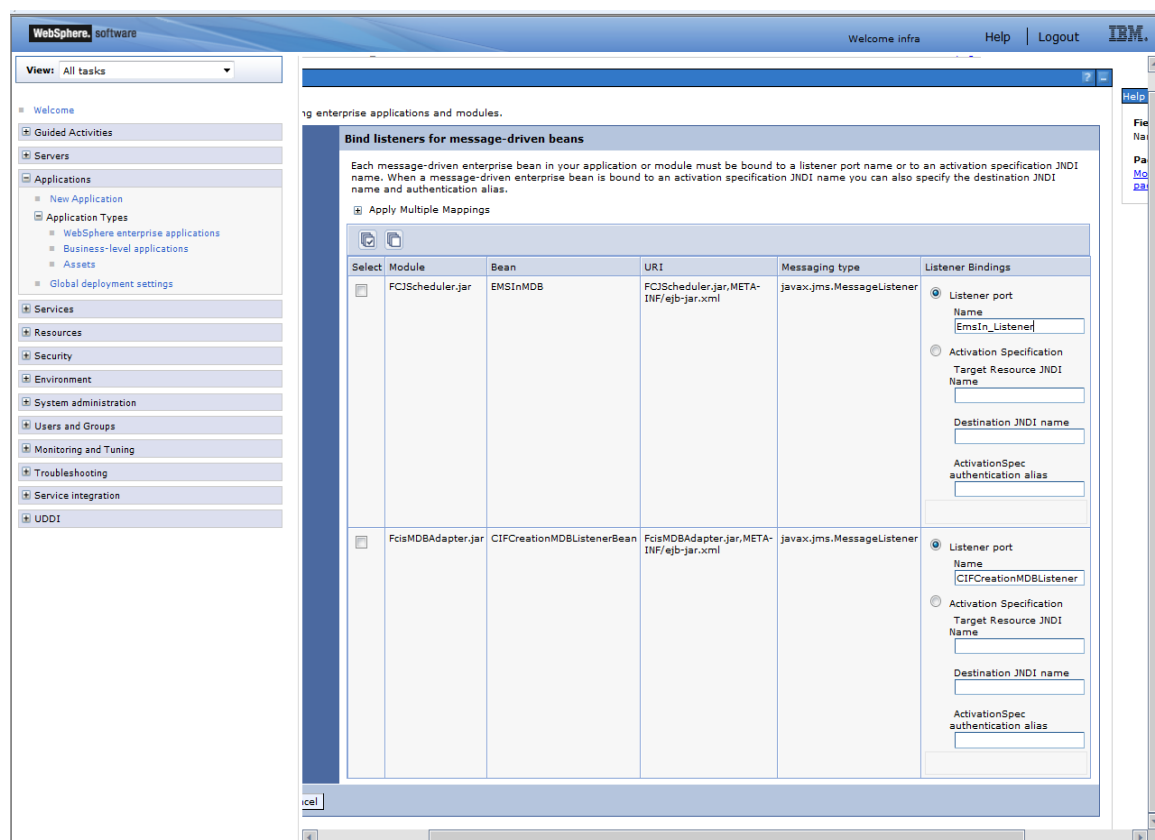
Page help

More information about this page

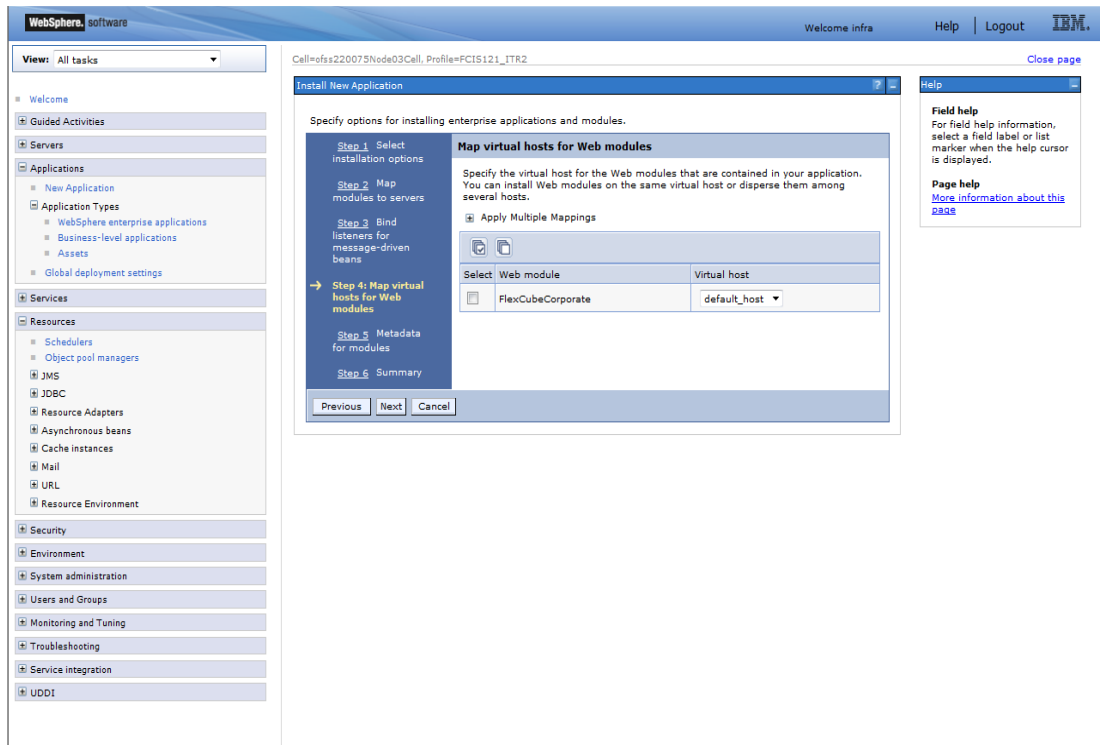
8. Enter the Application Name. This should be the application name mentioned as part of EAR building .
9. Click 'Next'.



10. Check all the options. Click 'Next'. The following screen is displayed. Specify the details as shown in the figure.

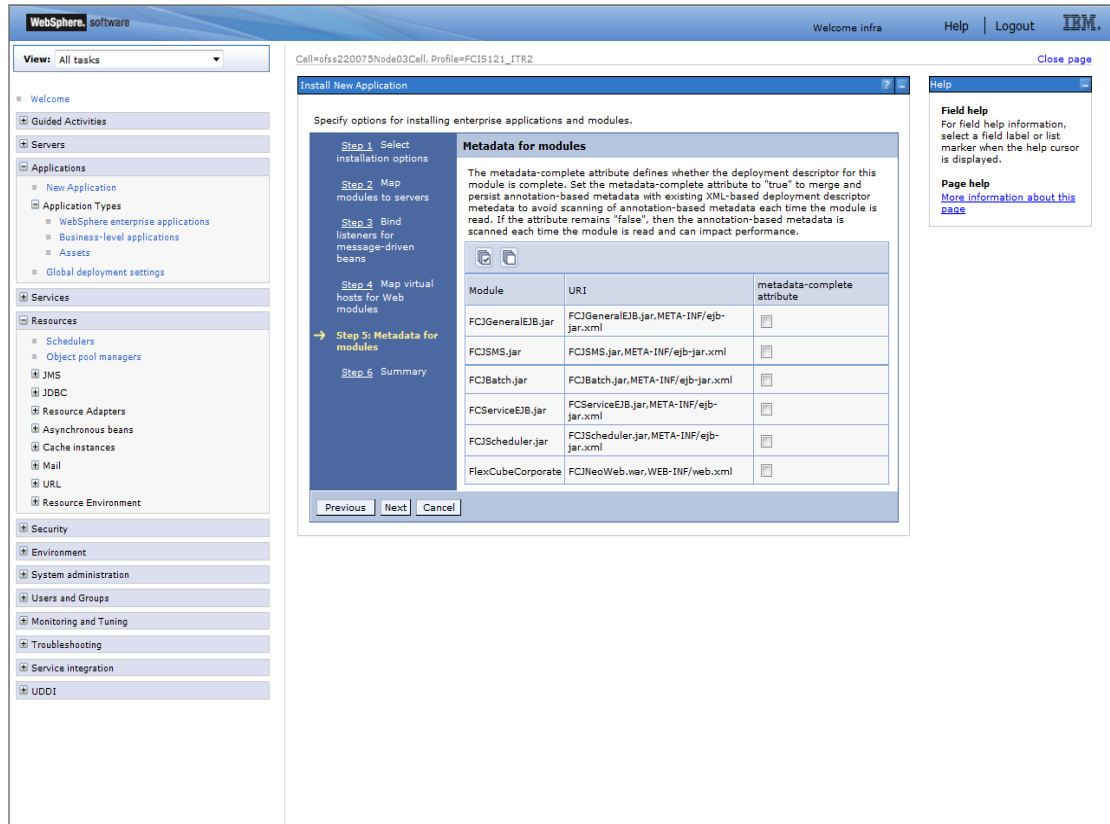


11. Click 'Next'. Following screen is displayed



12. Click 'Next'.

The following screen is displayed.



Click next.

WebSphere[®] software

Welcome infra

Help | Logout

IBM.

Cell=ofs220075Node03Cell, Profile=FCIS121_TTR2

View: All tasks

■ Welcome

■ Guided Activities

■ Servers

■ Applications

■ New Application

■ Application Types

■ WebSphere enterprise applications

■ Business-level applications

■ Assets

■ Global deployment settings

■ Services

■ Resources

■ Schedulers

■ Object pool managers

■ JMS

■ JDBC

■ Resource Adapters

■ Asynchronous beans

■ Cache instances

■ Mail

■ URL

■ Resource Environment

■ 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	FCISApp
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	.*\,dl =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
Deploy client modules	No
Client deployment mode	Isolated
Validate schema	No
Cell/Node/Server	Click here

Previous Finish Cancel

Help

Field help

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

Page help

[More information about this page](#)

Command Assistance

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

13. Click 'Finish'.

The following screen is displayed.

Installing...

If there are enterprise beans in the application, the EJB deployment process can take several minutes. Do not save the configuration until the process completes.

Check the SystemOut.log on the deployment manager or server where the application is deployed for specific information about the EJB deployment process as it occurs.

ADMA5010: Installation of FCISApp started.

ADMA5007: Resource validation for application FCISApp completed successfully.

ADMA5050: Application and module versions are validated with versions of deployment targets.

ADMA5005: The application FCISApp is configured in the WebSphere Application Server repository.

ADMA5005: The application FCISApp is configured in the WebSphere Application Server repository.

ADMA5008: The bootstrap address for client module is configured in the WebSphere Application Server repository.

ADMA5053: The library references for the installed optional package are created.

ADMA5005: The application FCISApp is configured in the WebSphere Application Server repository.

ADMA5001: The application binaries are saved in /scratch/app/was8555/BMWWebSphere/AppServer/profiles/FCIS121_ITR2/wstemp/100548368/workspace/cells/cell03Node03Cell/applications/FCISApp ear/FCISApp ear

ADMA5005: The application FCISApp is configured in the WebSphere Application Server repository.

SECJ0400: Successfully updated the application FCISApp with the appContextIDForSecurity information.

ADMA5005: The application FCISApp is configured in the WebSphere Application Server repository.

ADMA5005: The application FCISApp is configured in the WebSphere Application Server repository.

ADMA5113: Activation plan created successfully.

ADMA5011: The cleanup of the temp directory for application FCISApp is complete.

ADMA5013: Application FCISApp installed successfully.

Application FCISApp installed successfully.

To start the application, first save changes to the master configuration.

Changes have been made to your local configuration. You can:

- Save directly to the master configuration.
- Review changes before saving or discarding.

To work with installed applications, click the "Manage Applications" link.

[Manage Applications](#)

14. Click 'Save'.

The following screen is displayed.

Enterprise Applications

Use this page to manage installed applications. A single application can be deployed onto multiple servers.

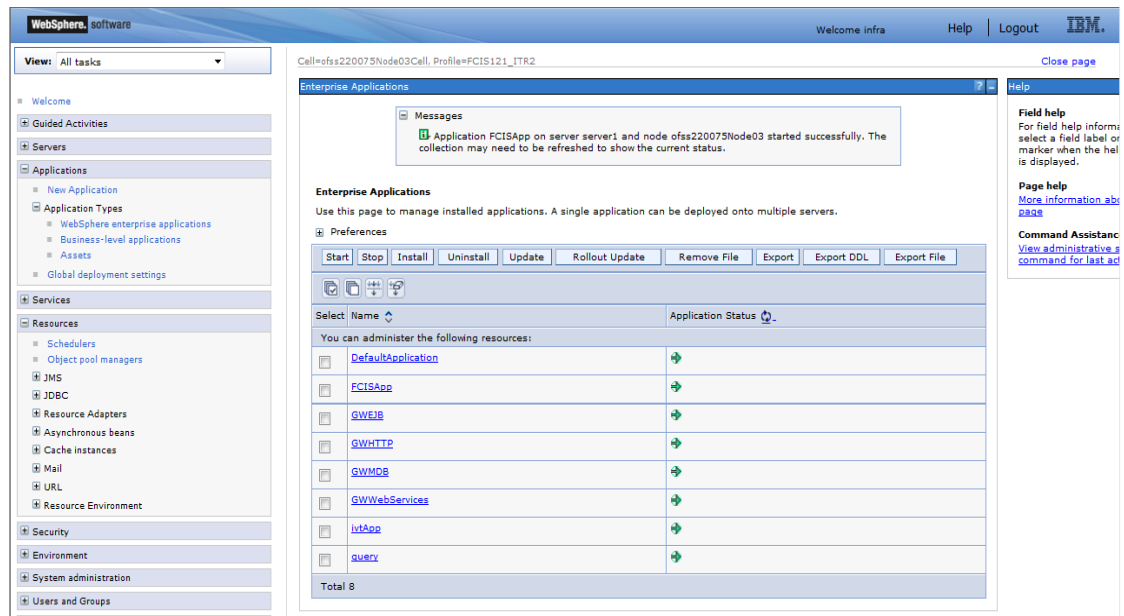
Preferences

Start Stop Install Uninstall Update Rollout Update Remove File Export Export DDL Export File

Select	Name	Application Status
<input type="checkbox"/>	DefaultApplication	➔
<input type="checkbox"/>	FCISApp	✖
<input type="checkbox"/>	GWEJB	➔
<input type="checkbox"/>	GWEHTP	➔
<input type="checkbox"/>	GWMDB	➔
<input type="checkbox"/>	GWWebServices	➔
<input type="checkbox"/>	ivtApp	➔
<input type="checkbox"/>	quixy	➔
Total 8		

15. Select the application and click 'Start'.

The application starts as shown below:



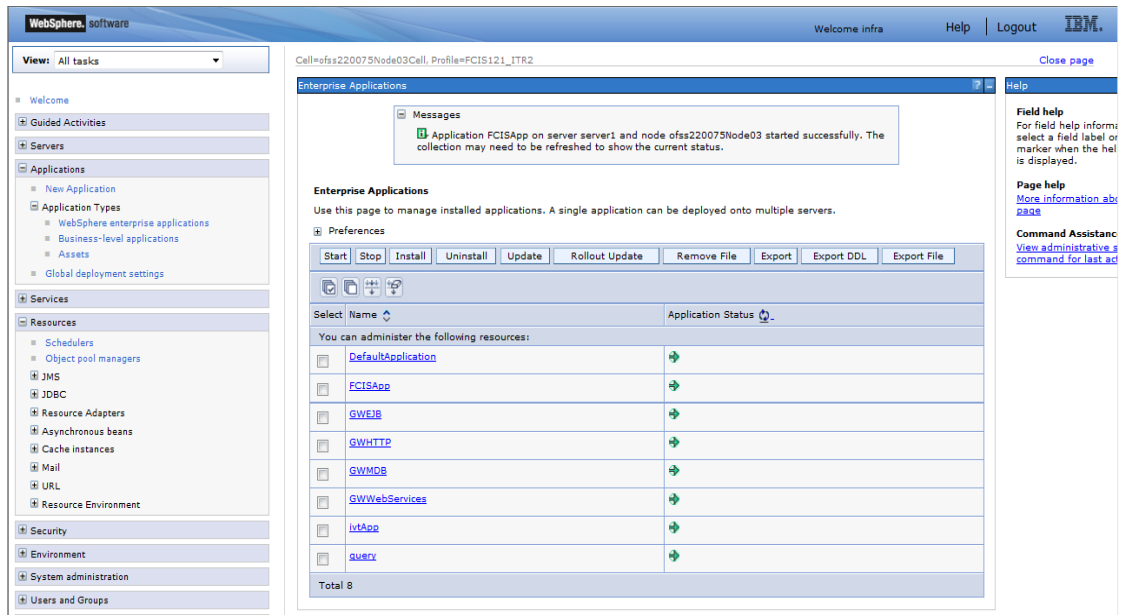
This completes the deployment of EAR (FCJNeoWeb.ear) on IBM WebSphere 8.5.5.0 Application Server from the Administration Console.

1.3 Standalone Scheduler Configuration

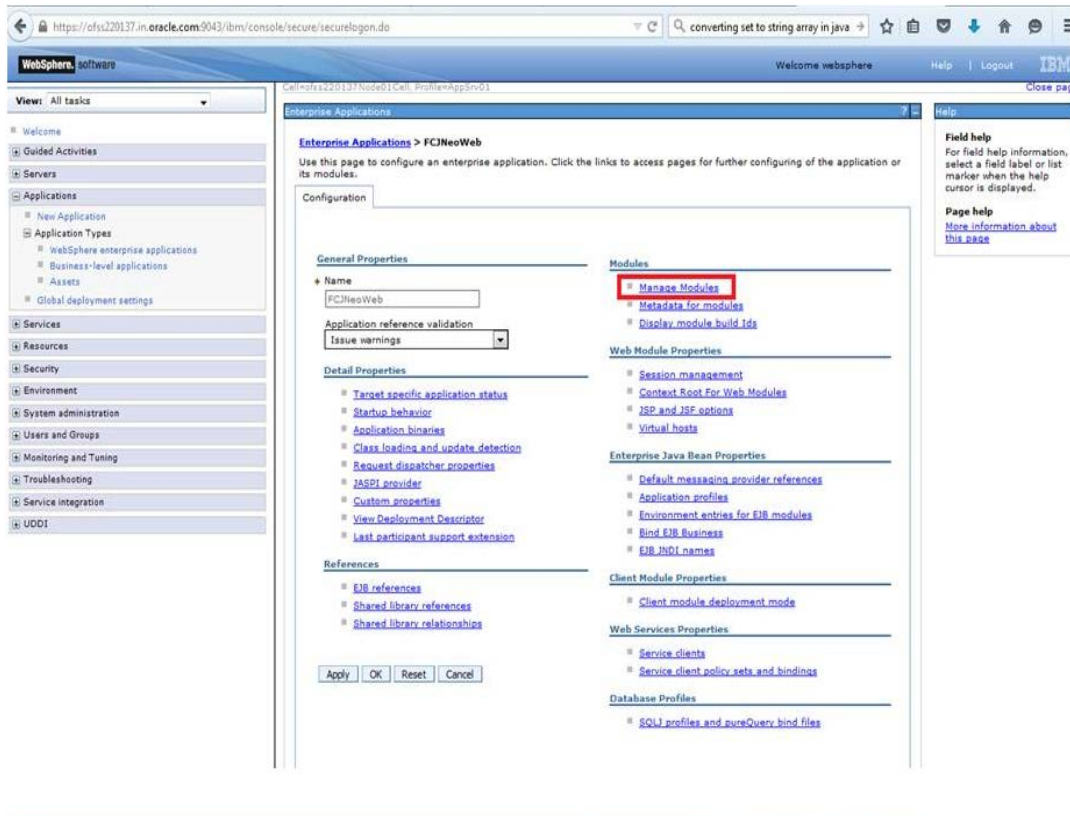
If standalone scheduler is enabled then below configuration should be done

1. Login to websphere admin console. Expand 'Application > Application Types> WebSphere enterprise applications'

The following screen is displayed



Click on the application 'FCISApp' below screen is displayed.



Click on 'Manage Modules'

The screenshot shows the Oracle WebSphere Administration Console interface. 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 > FC2NeoWeb > Manage Modules'. It includes a description of modules and a table listing various modules. The 'FlexCubeCorporate' module is highlighted with a red box. Below the table are 'OK' and 'Cancel' buttons.

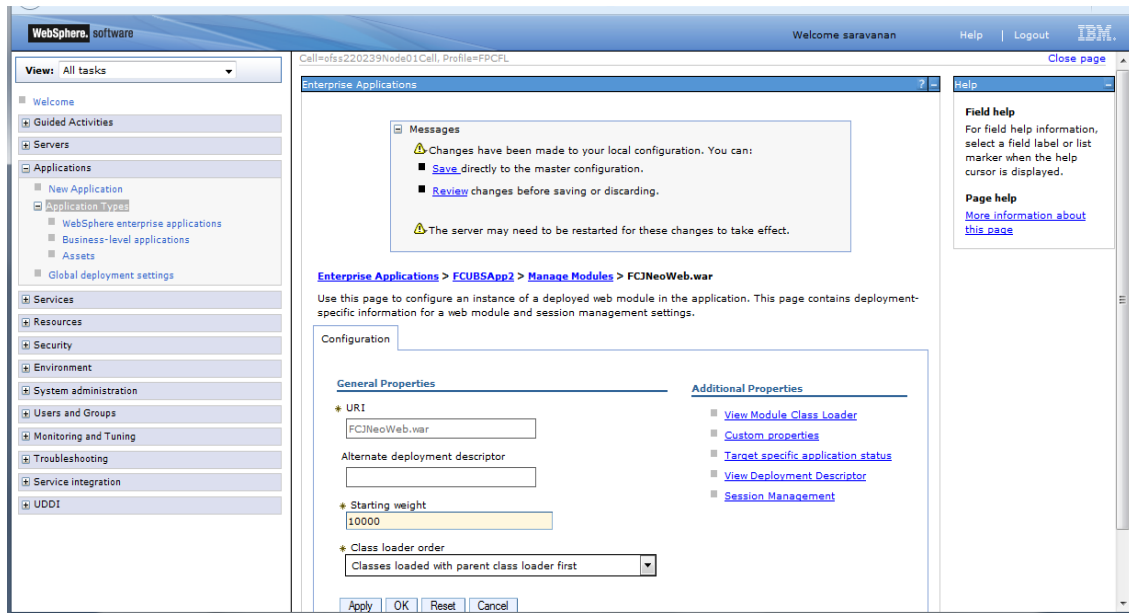
Select	Module	URI	Module Type	Server
<input type="checkbox"/>	FC2GeneralEJB.jar	FC2GeneralEJB.jar;META-INF/efb-jar.xml	EJB Module	WebSphere:cell=ofss220137Node01Cell,node=ofss220137Node01.server=server1
<input type="checkbox"/>	FC2SMS.jar	FC2SMS.jar;META-INF/efb-jar.xml	EJB Module	WebSphere:cell=ofss220137Node01Cell,node=ofss220137Node01.server=server1
<input type="checkbox"/>	FC2Batch.jar	FC2Batch.jar;META-INF/efb-jar.xml	EJB Module	WebSphere:cell=ofss220137Node01Cell,node=ofss220137Node01.server=server1
<input type="checkbox"/>	FC2ServiceEJB.jar	FC2ServiceEJB.jar;META-INF/efb-jar.xml	EJB Module	WebSphere:cell=ofss220137Node01Cell,node=ofss220137Node01.server=server1
<input type="checkbox"/>	FC2Scheduler.jar	FC2Scheduler.jar;META-INF/efb-jar.xml	EJB Module	WebSphere:cell=ofss220137Node01Cell,node=ofss220137Node01.server=server1
<input type="checkbox"/>	FC2RTT.jar	FC2RTT.jar;META-INF/efb-jar.xml	EJB Module	WebSphere:cell=ofss220137Node01Cell,node=ofss220137Node01.server=server1
<input type="checkbox"/>	FlexCubeCorporate	CJNeoWeb.war;WEB-INF/web.xml	Web Module	WebSphere:cell=ofss220137Node01Cell,node=ofss220137Node01.server=server1

Click on 'FlexCubeCorporate'

The screenshot shows the 'Configuration' page for 'FC2NeoWeb.war' in the Oracle WebSphere Administration Console. The page is divided into 'General Properties' and 'Additional Properties' sections. The 'General Properties' section includes fields for 'URI', 'Alternate deployment descriptor', 'Starting weight', and 'Class loader order'. The 'Class loader order' is set to 'Classes loaded with local class loader first (parent last)'. The 'Additional Properties' section includes links for 'View Module Class Loader', 'Custom properties', 'Target specific application status', 'View Deployment Descriptor', and 'Session Management'. A 'Help' sidebar on the right provides information on field and page help.

Select “Classes loaded with local class loader first (parent last)” from the dropdown ‘Class loader order’

Click ‘Apply’ button



Click ‘Save’ link and restart the server.



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