

Deploying Oracle FLEXCUBE
Investor Servicing Application on WebLogic
Oracle FLEXCUBE Investor Servicing
Release 14.7.2.0.0
[May] [2023]



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1. Deploying Oracle FLEXCUBE Investor Servicing on WebLogic

1.1 Introduction

This chapter explains the steps to deploy Oracle FCIS application into Oracle WebLogic application server.

1.2 Building Application

Refer to the chapter 'Building Application'. This includes the following details:

- Creating Property File
- Building Centralized EAR File
- Configuring Plug-ins
- Loading Properties File

1.3 Deploying Application in Oracle WebLogic

This section explains the method of deploying Oracle FLEXCUBE Investor Servicing Application Oracle WebLogic application server. Before deployment, all the resources mentioned in the document "Resources To be Created" have to be created.

1.3.1 Deploying Dependency Library "Jersey-bundle"

This library must be installed before deploying FCISApp.ear. Follow the below steps

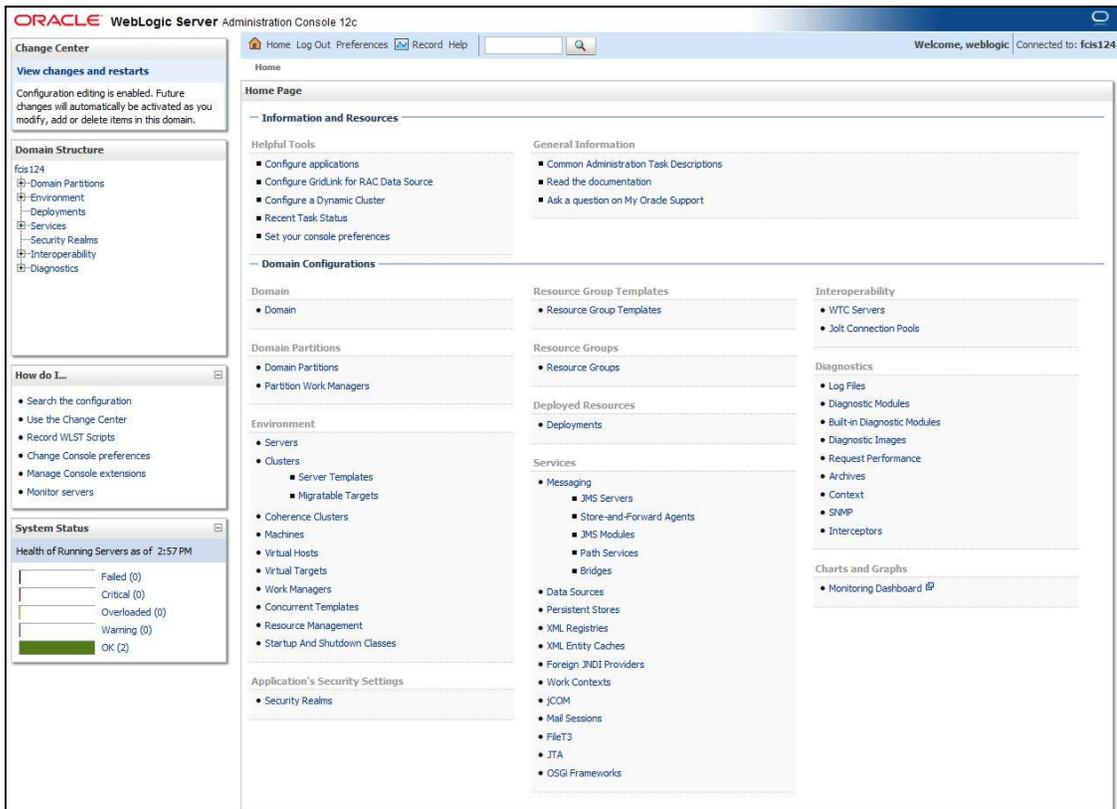
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.
Eg: <http://10.10.10.10:1001/console>

The following screen is displayed:

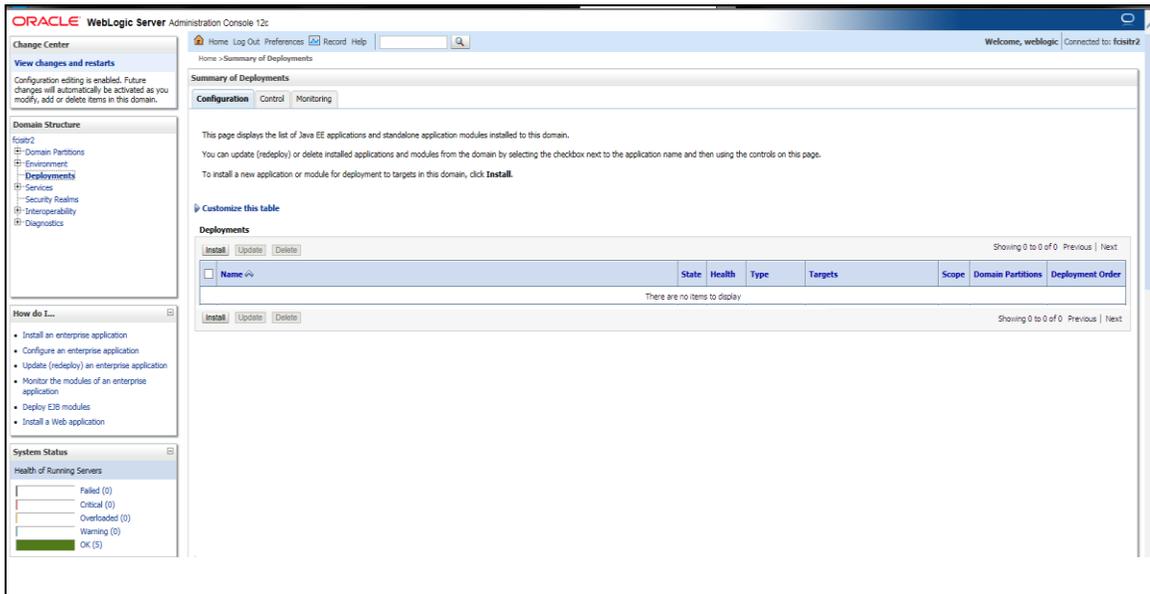


2. Specify the WebLogic administrator user name and password. Click 'Log In'.

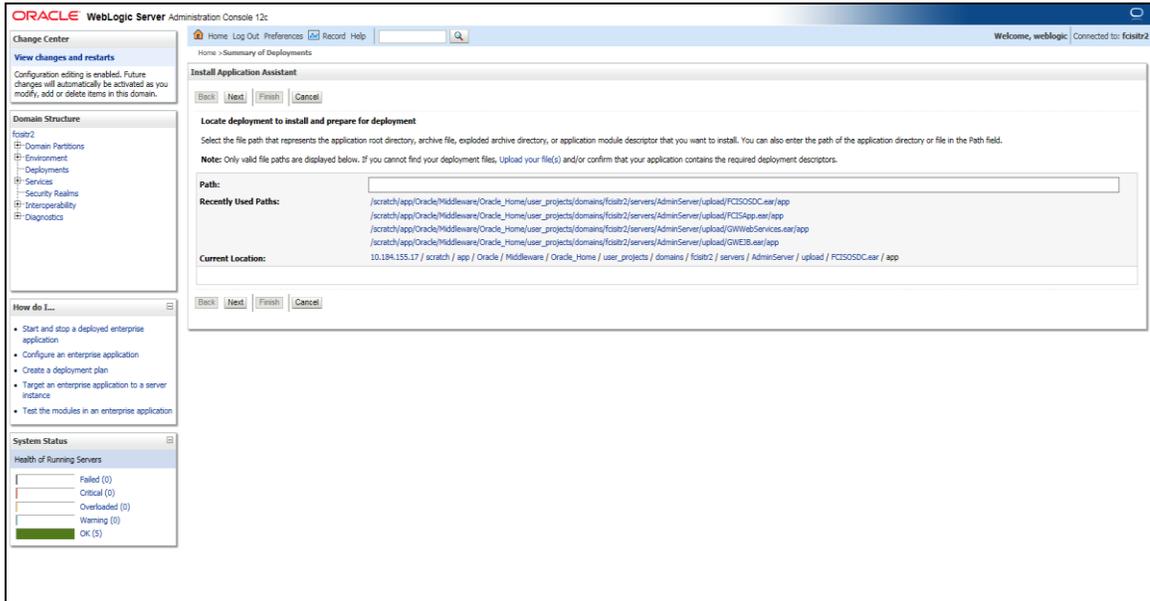
The following screen is displayed:



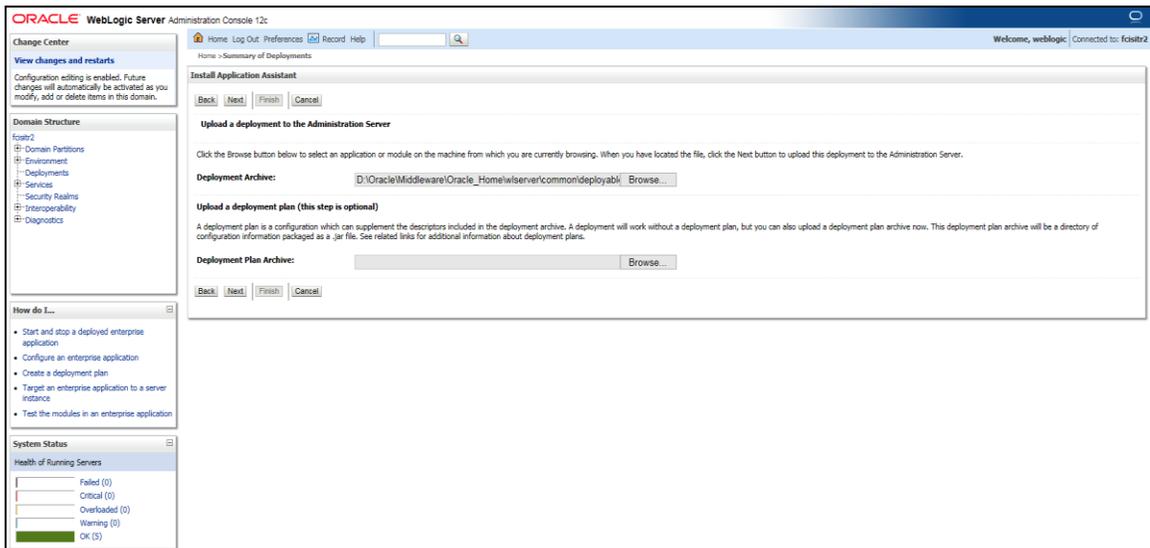
Click 'Deployments' button on the left hand side of the 'Weblogic Server' screen. The following screen is displayed:



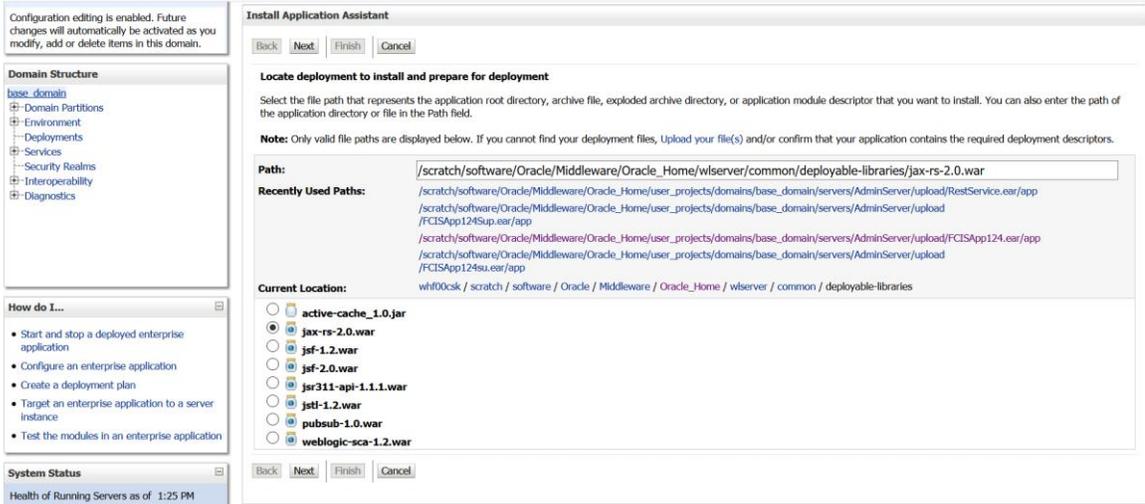
3. Click install button. The following screen will be displayed.



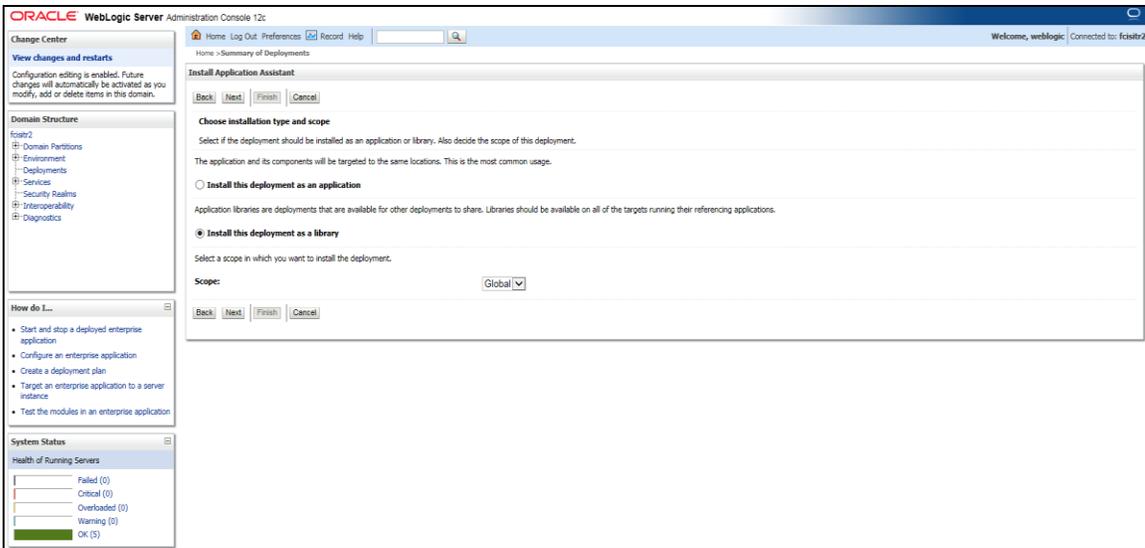
4. In order to specify the path/location of the library file, click the link 'upload your file(s)'.



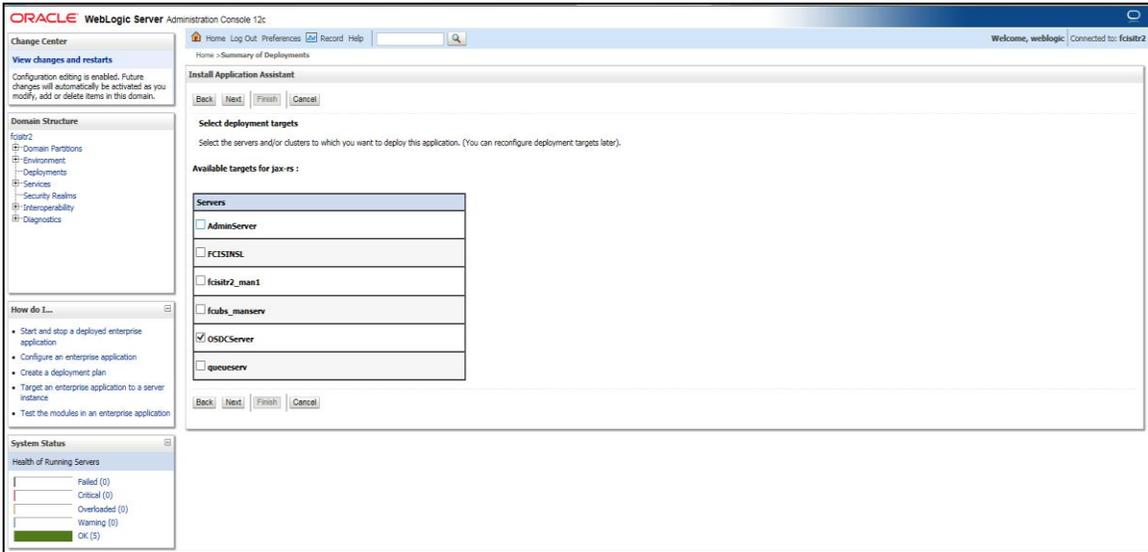
- Click Browse in Deployment Archive and select jersey bundle under the path “*wlserver\common\deployable-libraries\jax-rs-x.x.war*” and click next.



- Click Next and the following screen will be displayed.

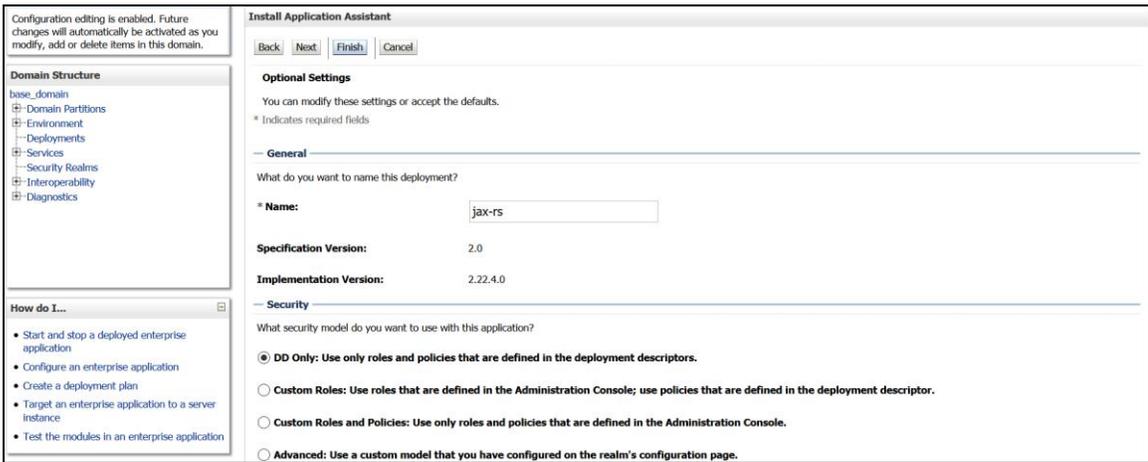


7. Select “install this deployment as library” and click next.

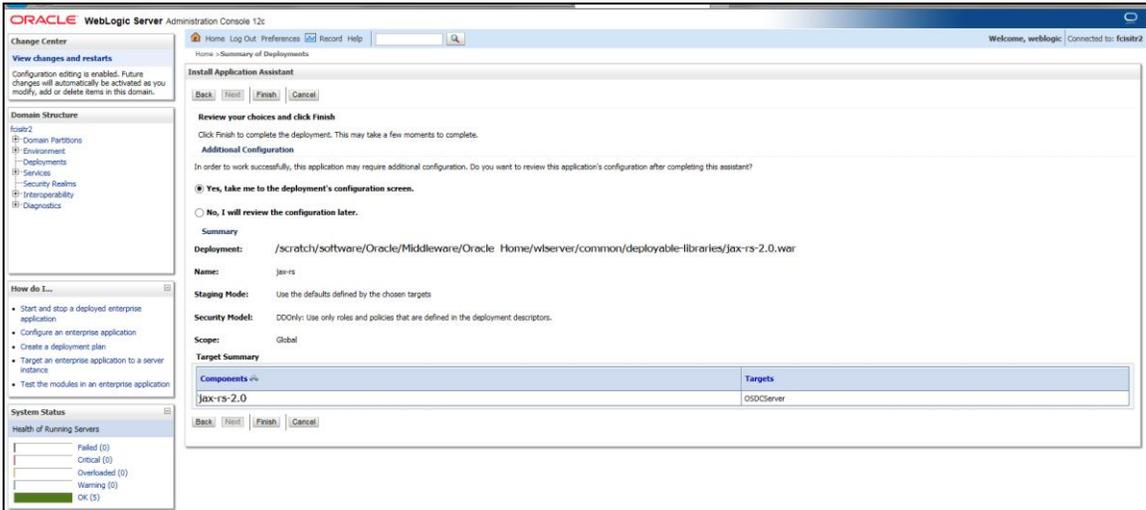


8. Select the target of the application. You can choose the server ‘AdminServer’ or ‘Managed Server(s)’.

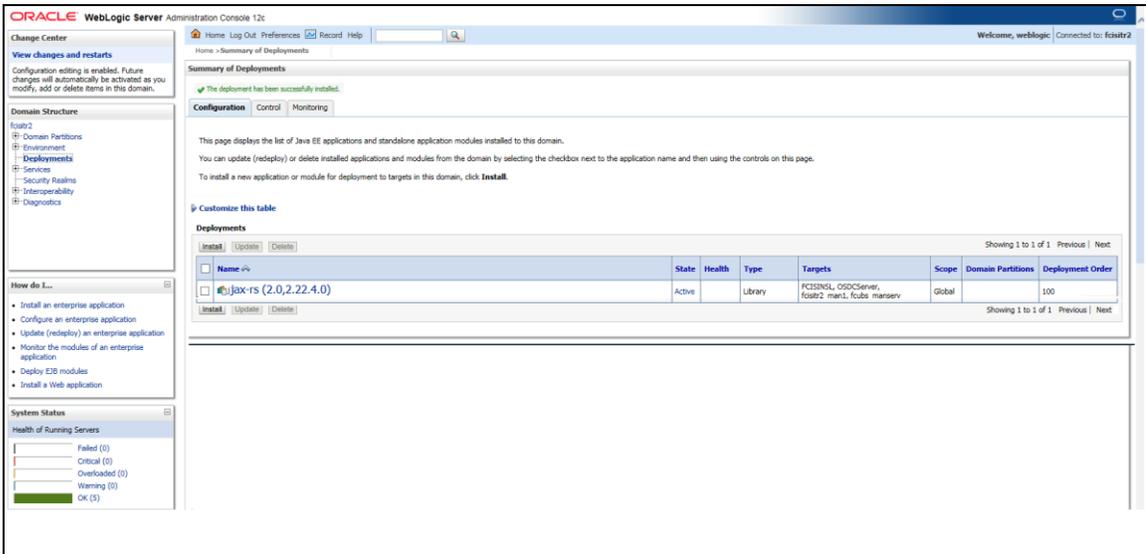
Click of ‘Next’ the following screen will be displayed.



9. Click Next



10. Click Finish button



This library must appear in the deployment with Type column as "Library".

Note :- latest jax-rs version will be jax-rs(2.0,2.22.4.0)

1.3.2 Deploying Application from WebLogic Administration Console

To deploy Oracle FLEXCUBE Investor Servicing Application from Oracle WebLogic administration console, follow the steps given below.

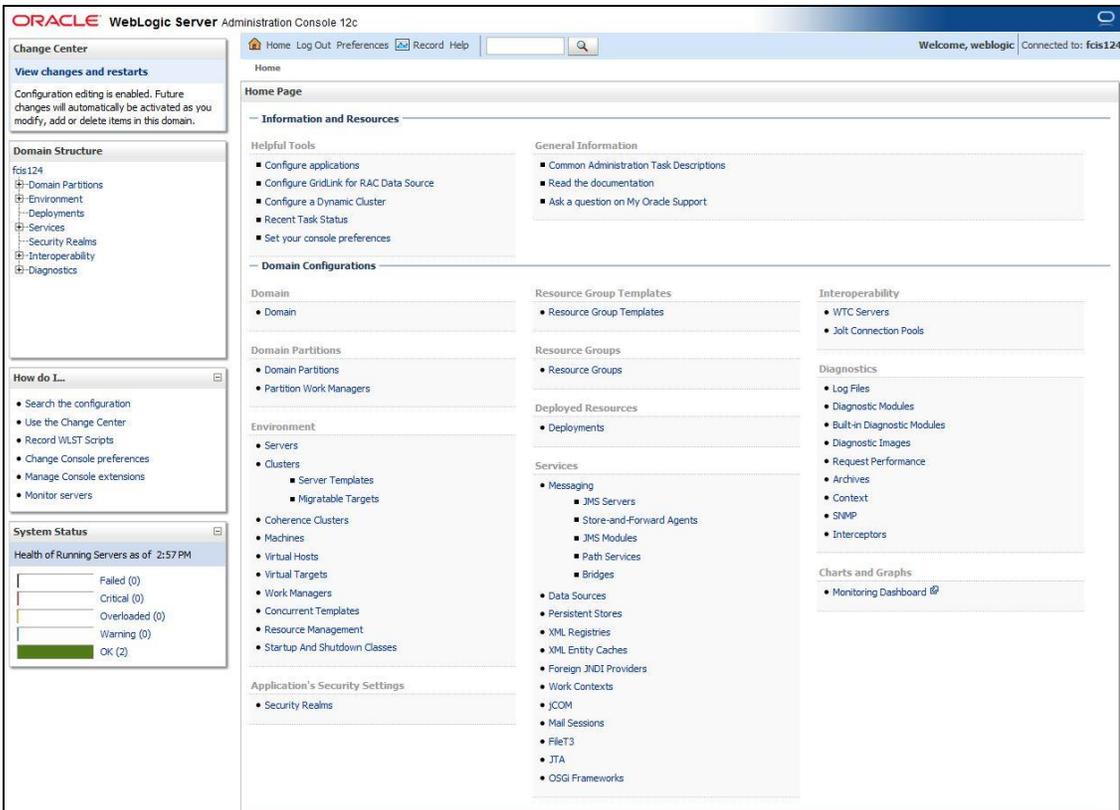
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.
Eg: <http://10.10.10.10:1001/console>

The following screen is displayed:

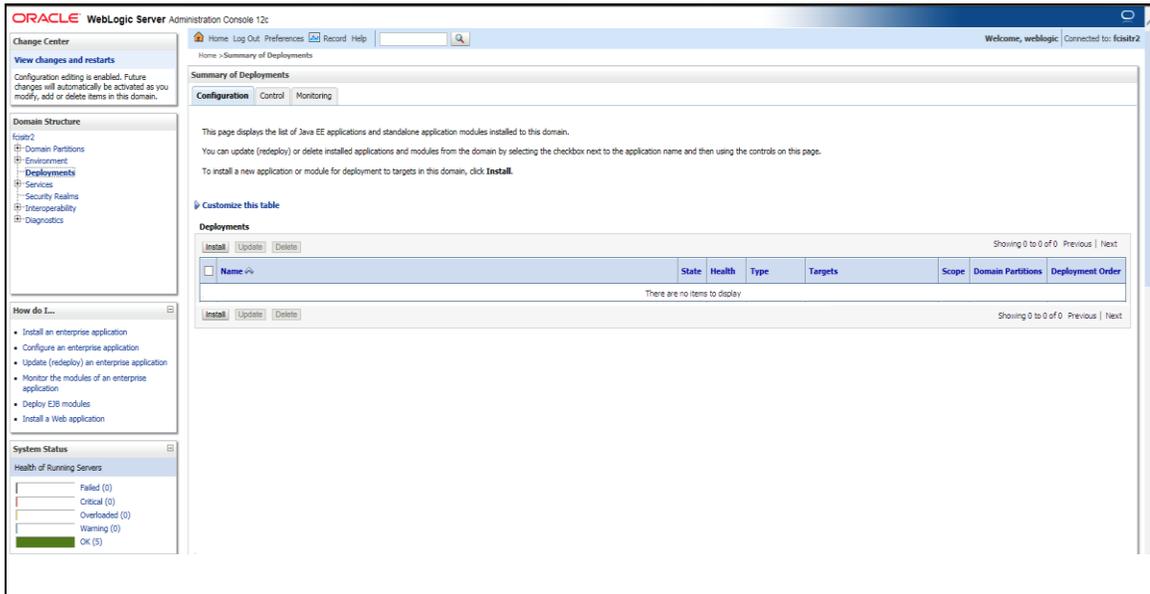


2. Specify the WebLogic administrator user name and password. Click 'Log In'.

The following screen is displayed:

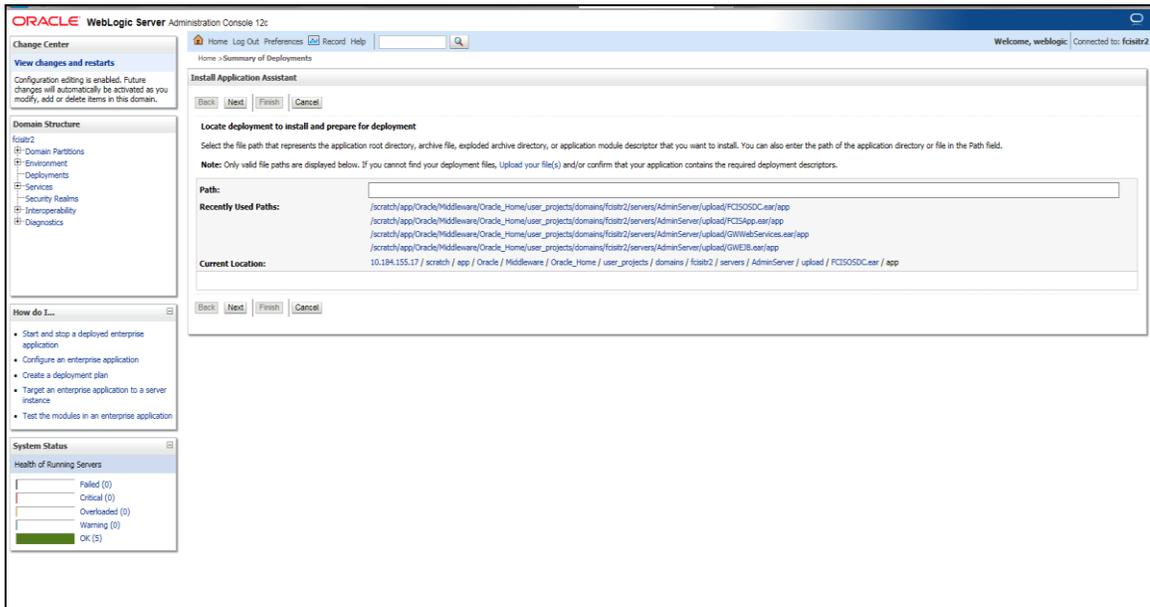


Click 'Deployments' button on the left hand side of the 'Weblogic Server' screen. The following screen is displayed:

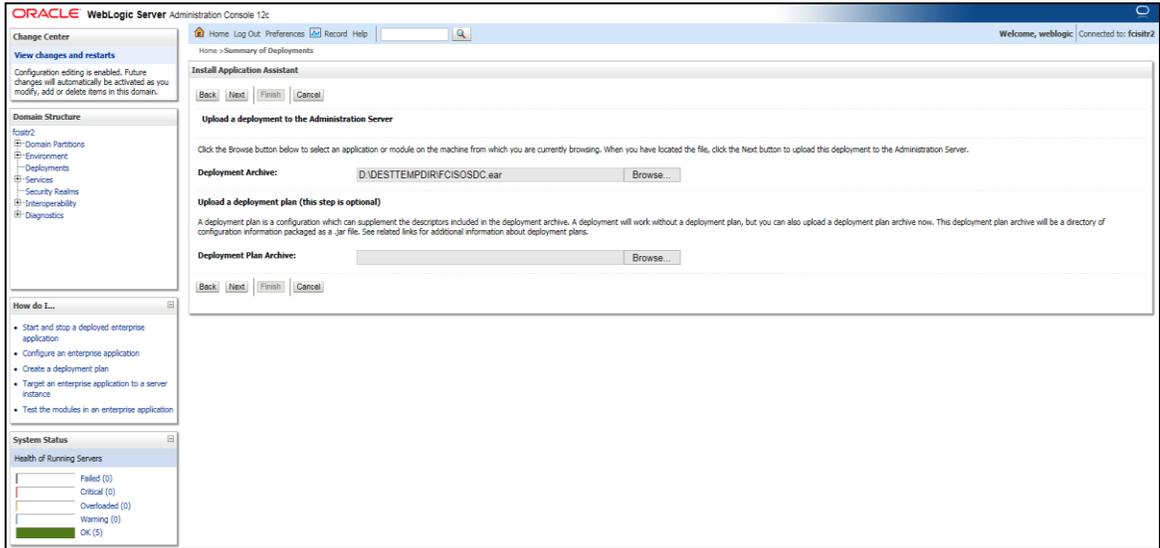


You need to deploy an EAR. For instance, 'FCISApp.ear'. Go to 'Deployment'.

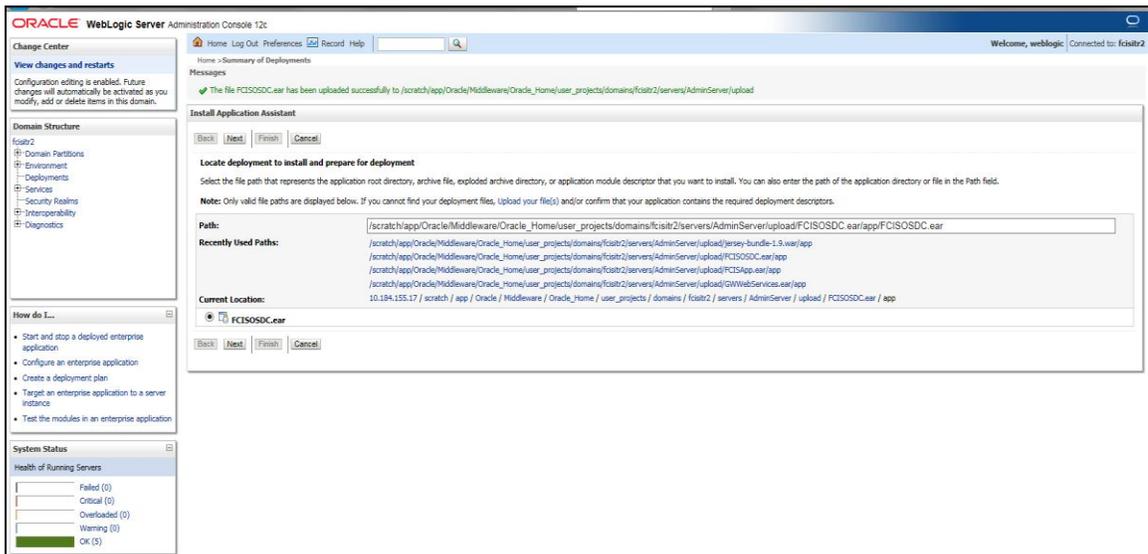
3. Click 'Install' button. The following screen is displayed:



In order to specify the path/location of the enterprise archive file, click the link 'upload your file(s)'. The following screen is displayed:

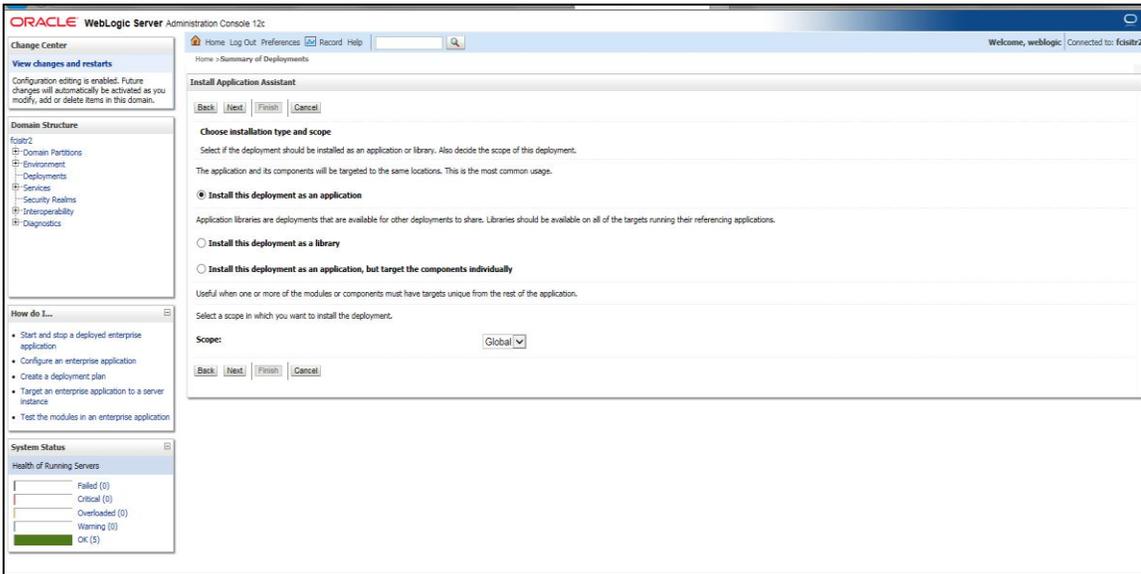


4. Specify the EAR file path. You can use the 'Browse' button to locate the file.
5. Click 'Next'. The following screen is displayed.



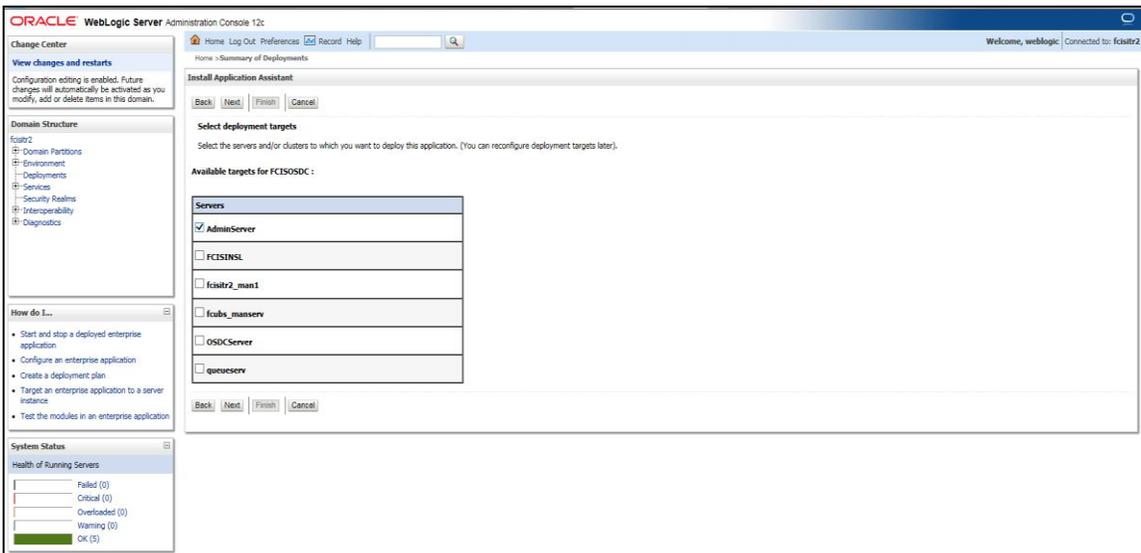
6. Select the application 'FCISApp.ear' from the list.

7. Click 'Next'. Following screen is displayed:



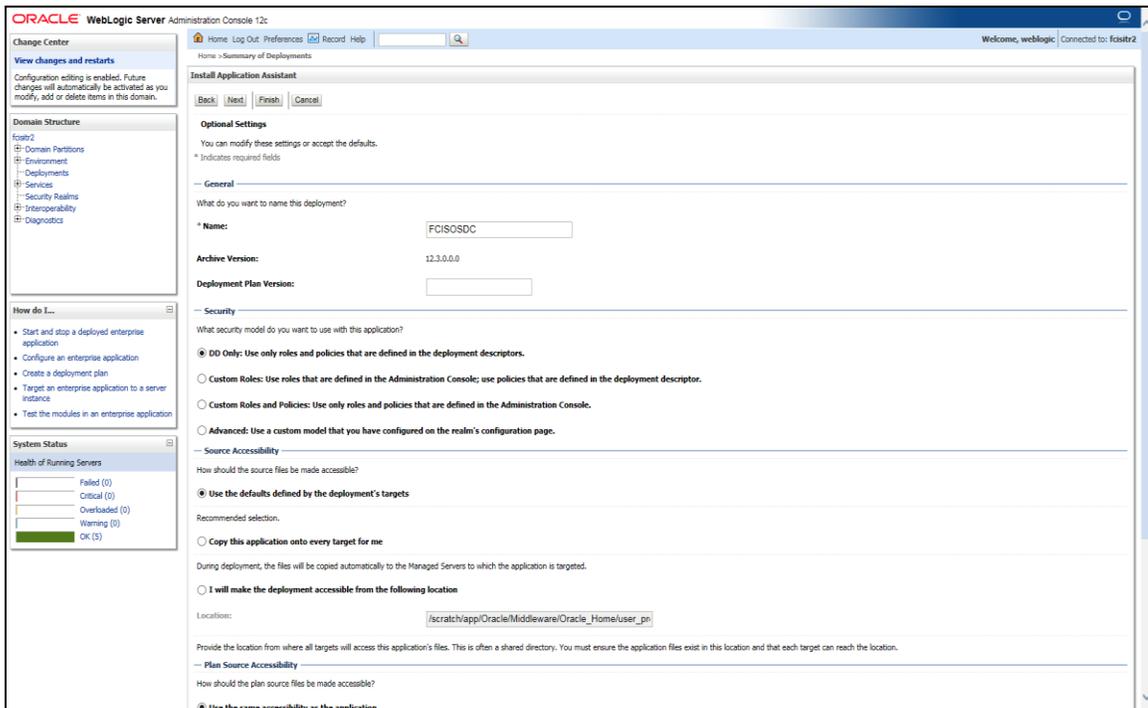
8. Choose the targeting style 'Install this deployment as an application'.

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

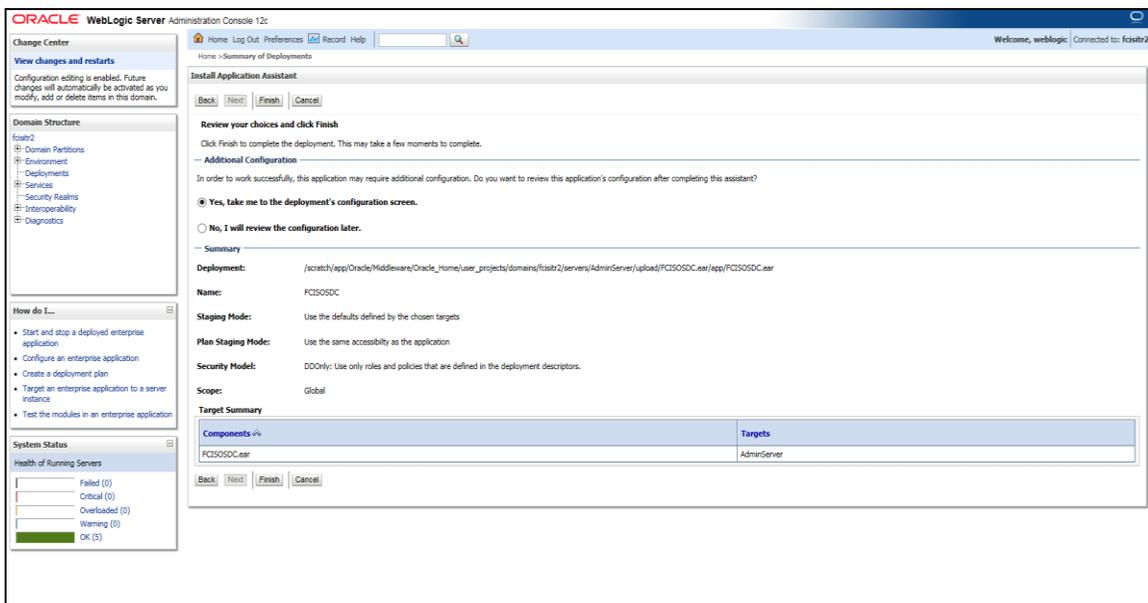


10. Select the target of the application. You can choose the server 'AdminServer' or 'Managed Server(s)'.

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



12. Check whether the deployment location is accessible or not. Click next.



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

The screenshot shows the Oracle WebLogic Server Administration Console. The main content area displays the configuration for the enterprise application 'FCI505DC (12.3.0.0.0)'. The 'Overview' tab is selected. The configuration details include:

- Name:** FCI505DC
- Scope:** Global
- Archive Version:** 12.3.0.0.0
- Path:** /scratch/app/Oracle/Middleware/Oracle_Home/user_projects/domains/foair2/servers/AdminServer/upload/FCI505DC.ear
- Deployment Plan:** (no plan specified)
- Staging Mode:** (not specified)
- Plan Staging Mode:** (not specified)
- Security Model:** DDOnly
- Deployment Order:** 100
- Deployment Principal Name:** (empty)

At the bottom, the 'Modules and Components' table is visible, showing the following components:

Name	Type
FCI505DC (12.3.0.0.0)	Enterprise Application
EJBs	
BatchEJB	EJB
BSPAdviceEJB	EJB
BSPReportEJB	EJB
BSPQueryEJB	EJB

13. Change **Deployment Order** to **400** if the application includes **BPEL plug-in**.

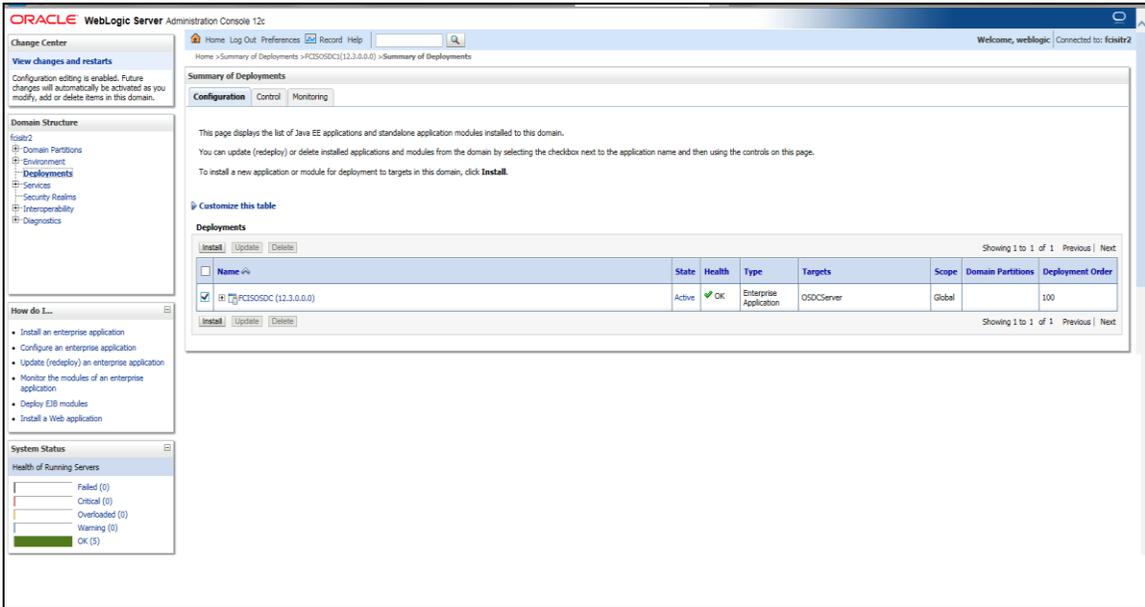
14. Click 'Save' button. The message 'Settings updated successfully' is displayed.

Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed. The screen is given below:

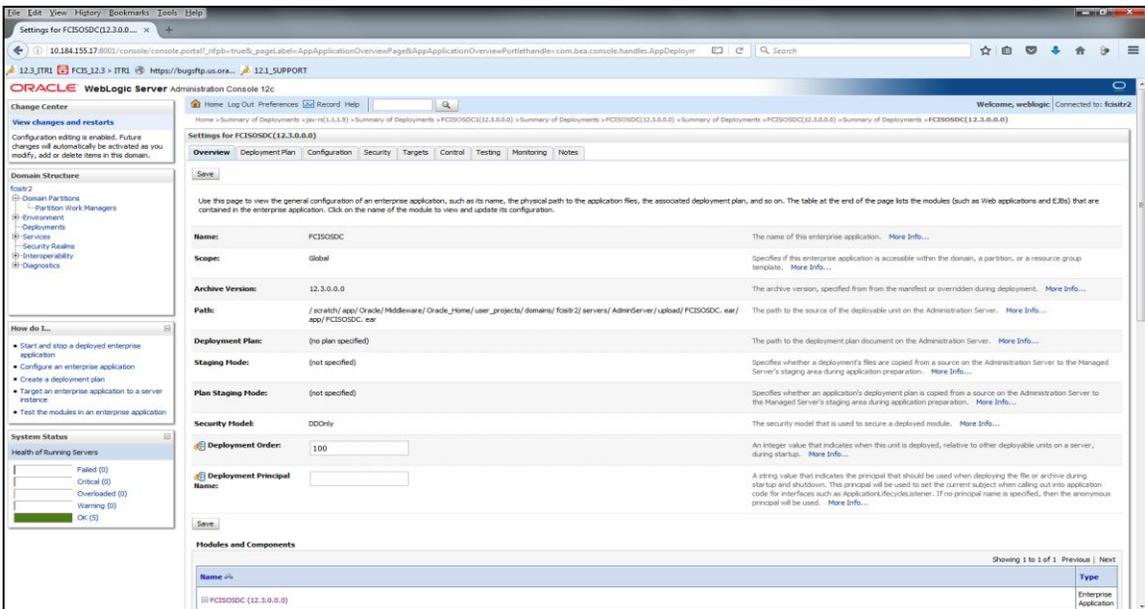
The screenshot shows the Oracle WebLogic Server Administration Console after the configuration changes. The main content area displays the configuration for the enterprise application 'FCI505DC (12.3.0.0.0)'. The 'Overview' tab is selected. The configuration details are the same as in the previous screenshot, but the 'Deployment Order' is still 100. A green message at the top indicates that all changes have been activated and no restarts are necessary.

The 'Modules and Components' table is also visible, showing the same components as in the previous screenshot.

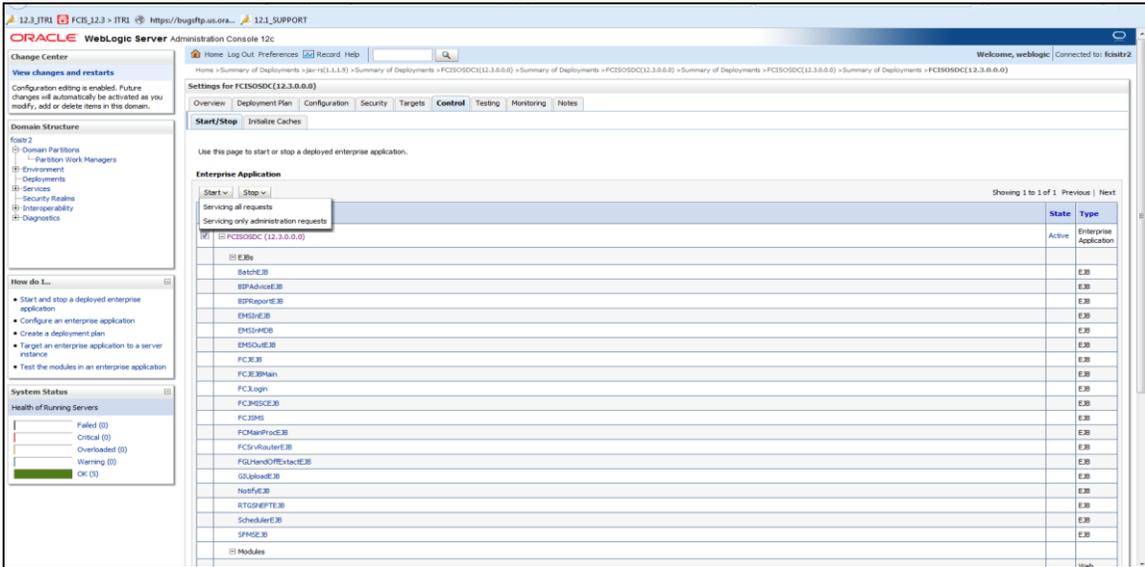
15. Click 'Deployment' on the left pane. The following screen is displayed.



16. Click on the FCISOSDC deployment and the following screen will be displayed.

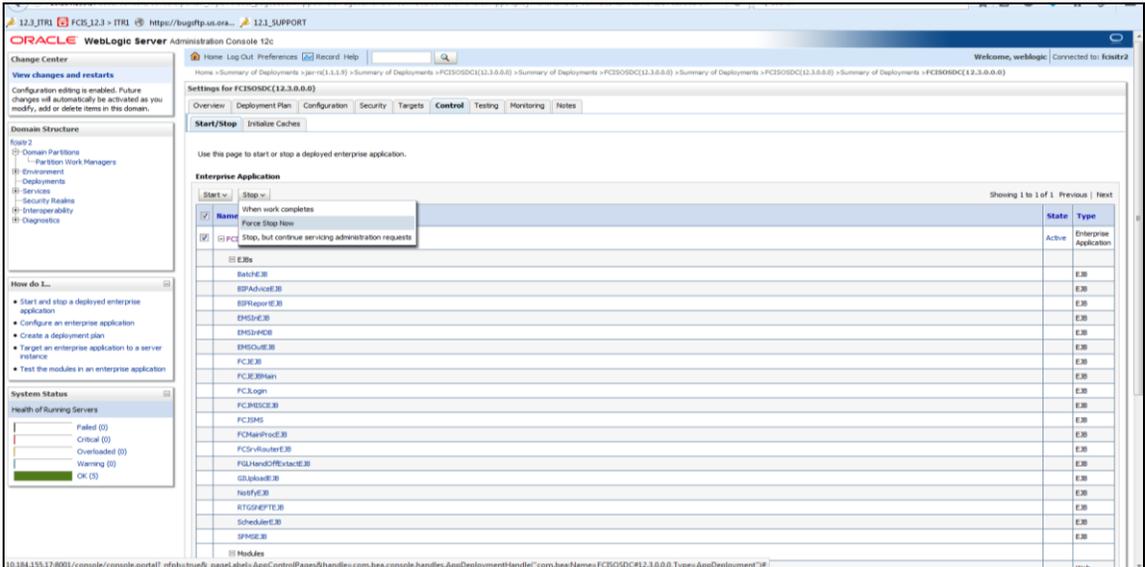


17. Select Control tab in order to start or stop a deployed enterprise application. The following screen will be displayed.



18. To start, click 'Start' drop-down button and select 'Servicing all requests' on the deployment.

19. The following screen will be displayed.



20. To stop, select the 'Stop' drop-down and select 'Force Stop now' option in the deployment.

This completes the deployment process.



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