Deploying Oracle FLEXCUBE Application on WebLogic

Oracle FLEXCUBE Universal Banking

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ORACLE

FINANCIAL SERVICES

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1. Deploying Oracle FLEXCUBE on WebLogic

1.1 Introduction

This chapter explains the steps to deploy Oracle FLEXCUBE UBS application into Oracle WebLogic application server in centralized and decentralized modes. In centralized mode, branch and host are setup in a single PC. In decentralized mode, branch and host are setup in different PCs.

1.2 Building Application

For building Oracle FLEXCUBE Application in centralized and decentralized modes, refer to the following chapters.

1.2.1 Building Application in Centralized Mode

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

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

1.2.2 Building Application in Decentralized Mode

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

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

1.3 Deploying Application in Oracle WebLogic

This section explains the method of deploying Oracle FLEXCUBE Application into Oracle WebLogic application server.

1.3.1 Deploying Integration Adapter EAR from WebLogic Administration Console

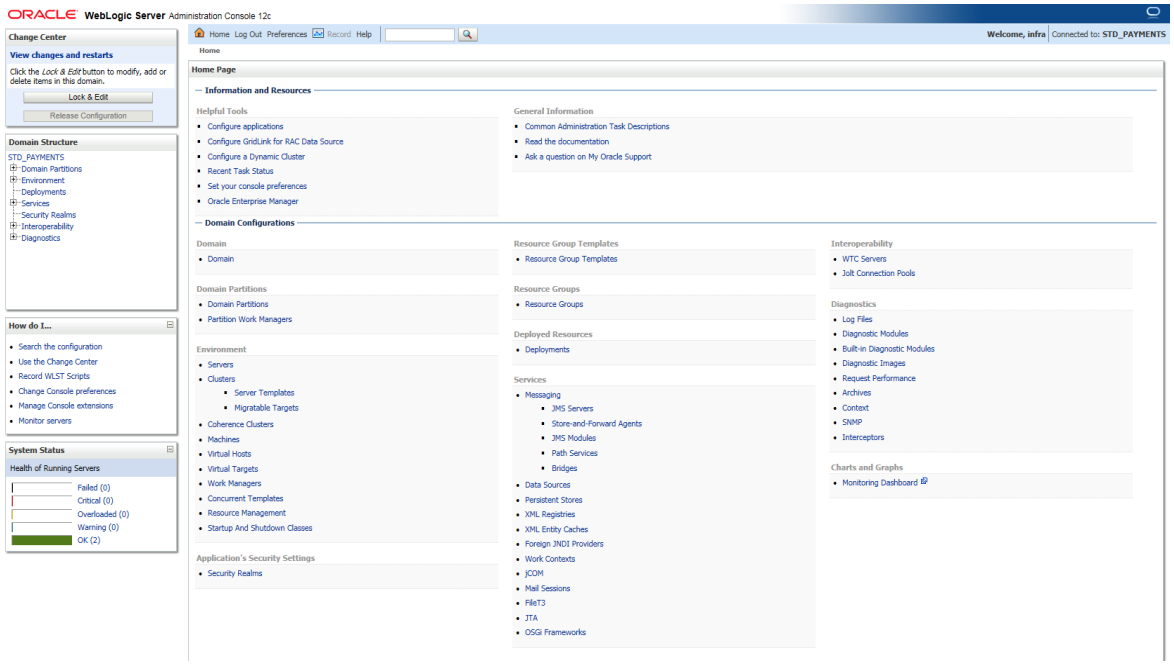
To deploy Oracle FLEXCUBE Application from Oracle WebLogic administration console, follow the steps given below.

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:

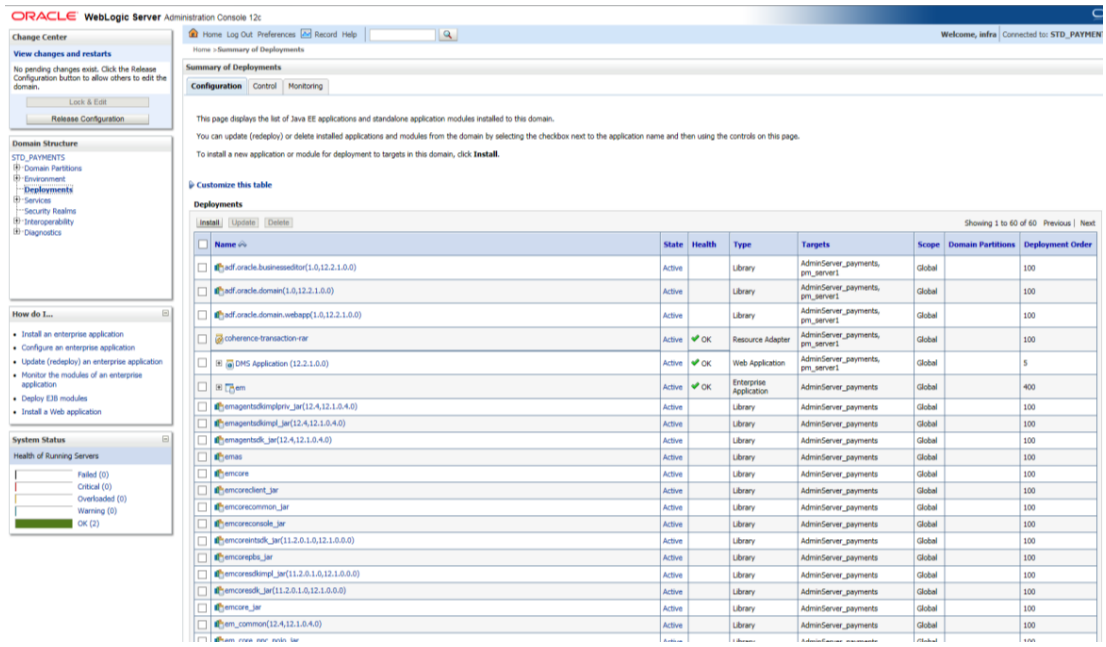


2. Specify the WebLogic administrator user name and password. Click ‘Log In’.



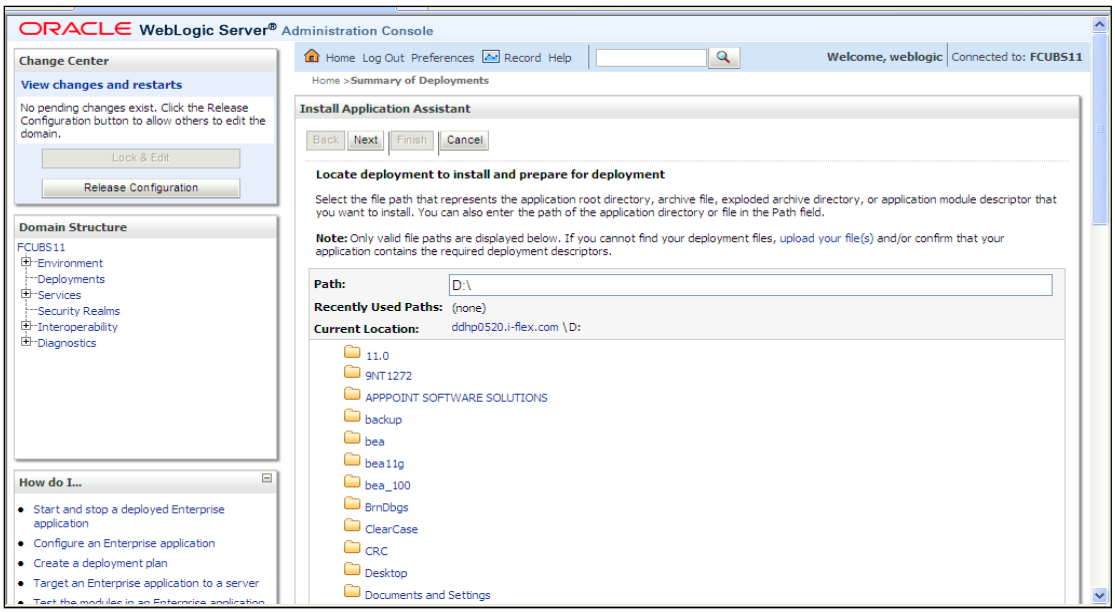
3. You need to deploy an Integration adapter EAR. For e.g. ‘OBCLExtAdapter.ear or ExtAdapter.ear’. Go to ‘Deployment’.

4. Click ‘Lock & Edit’ button to enable the buttons. This action enables the buttons.



5. Click ‘Install’ button.

The following screen is displayed:

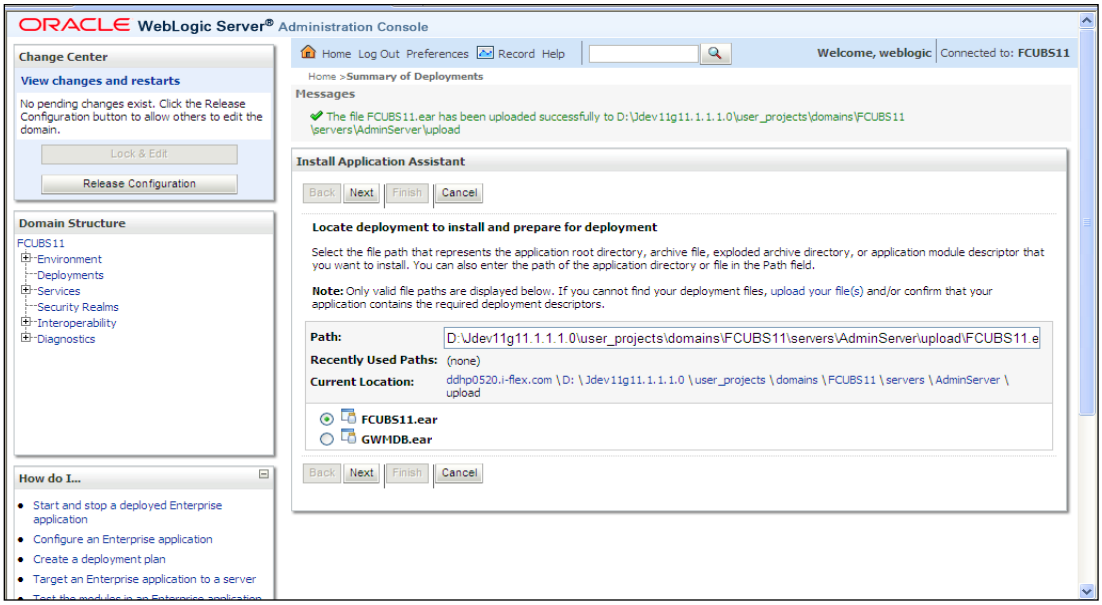


6. In order to specify the path/location of the enterprise archive file, click the link ‘upload your file(s)’.

7. Specify the EAR file path. You can use the ‘Browse’ button to locate the file.

8. Click ‘Next’.

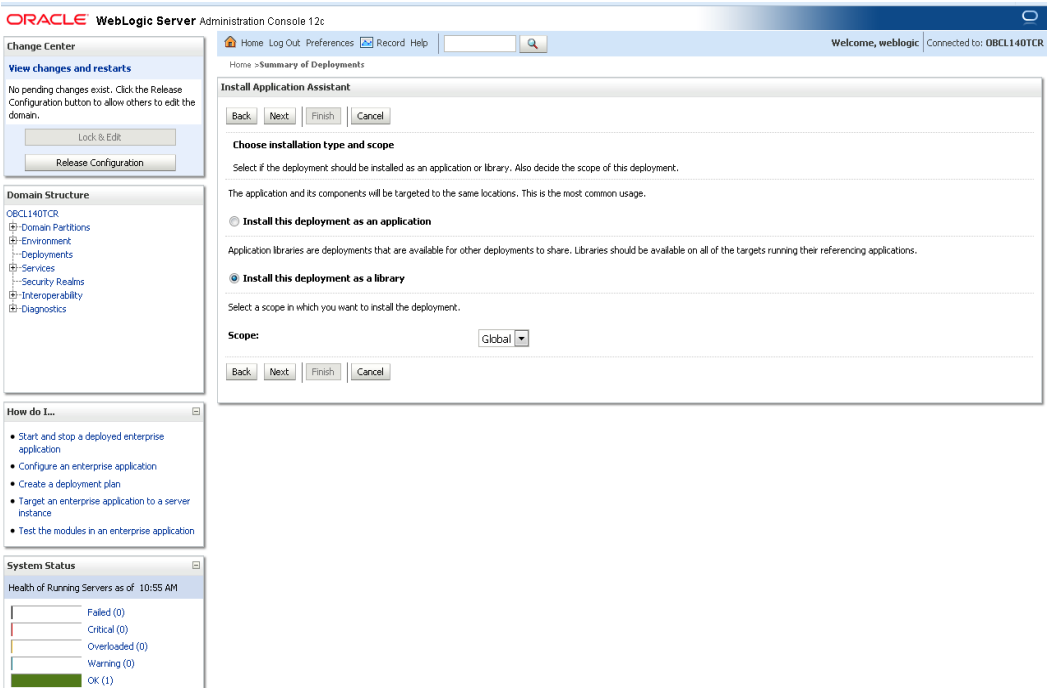
The following screen is displayed.



9. Select the application Adapter EAR from the list.

10. Click ‘Next’.

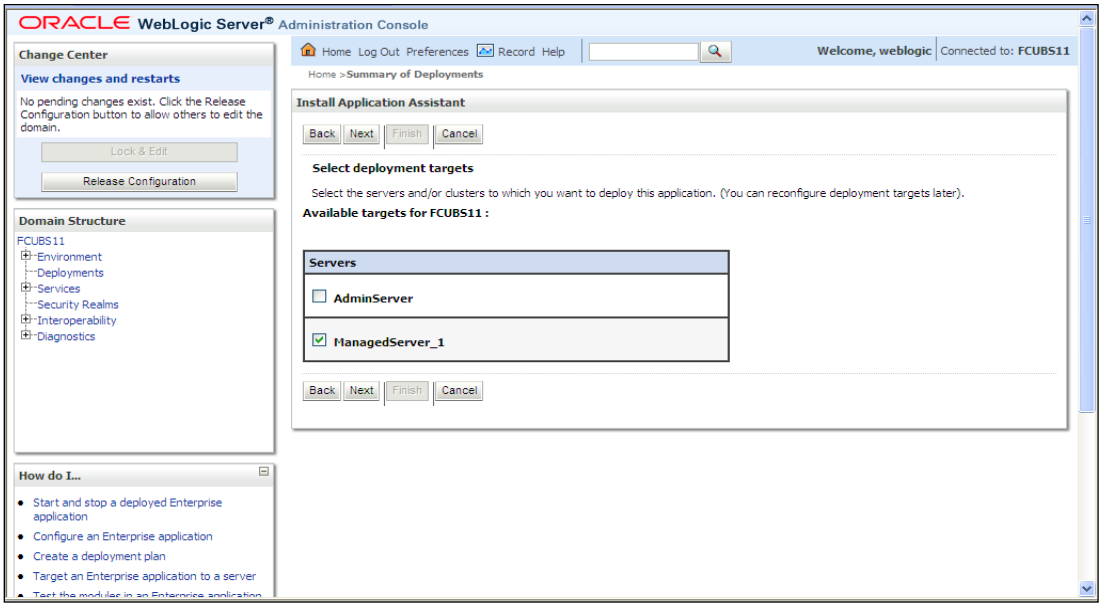
The following screen is displayed.



11. Choose the targeting style ‘Install this deployment as a library’.

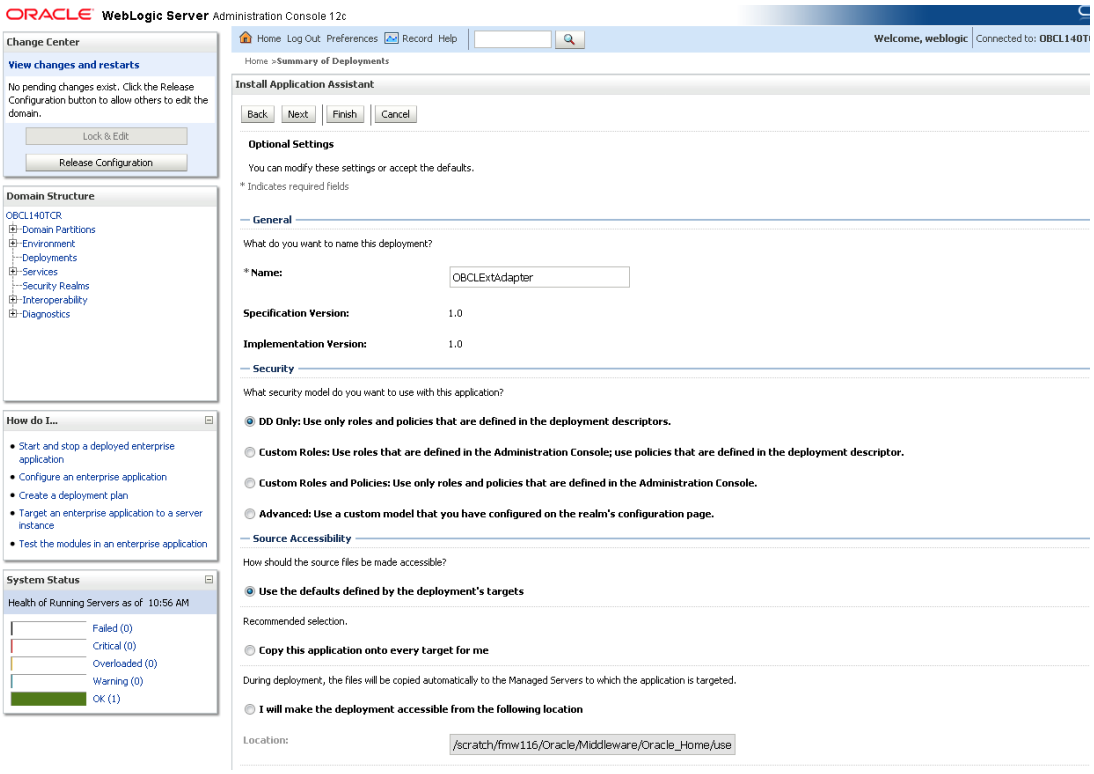
12. Click ‘Next’.

The following screen is displayed.



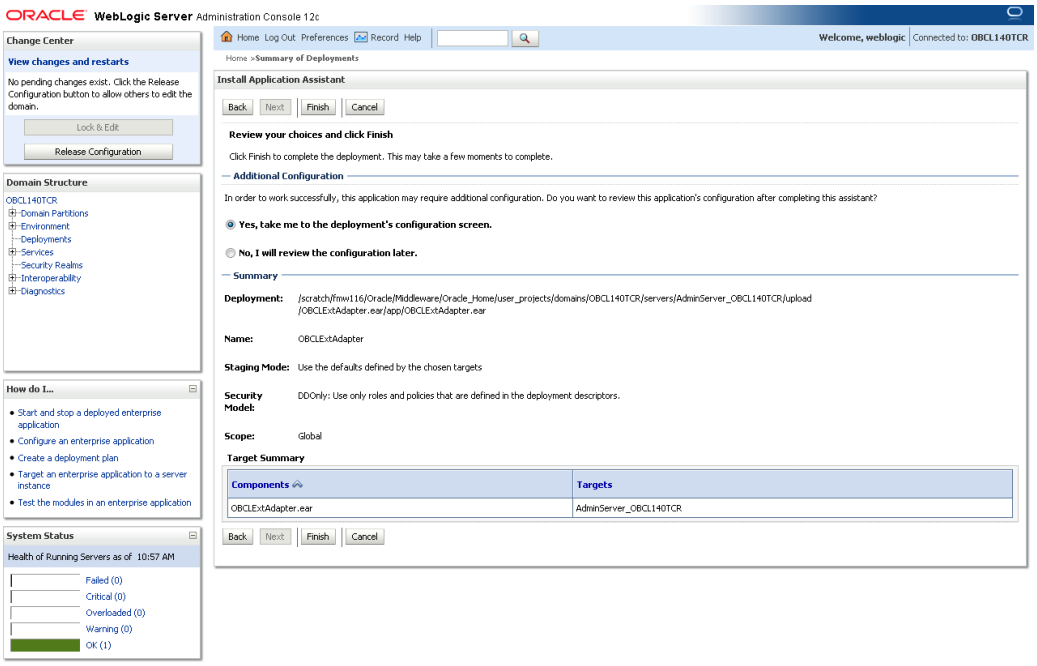
13. Select the target of the application. You can choose the server ‘AdminServer’ or ‘Managed Server(s)’.

14. Click ‘Next’. The following screen is displayed.



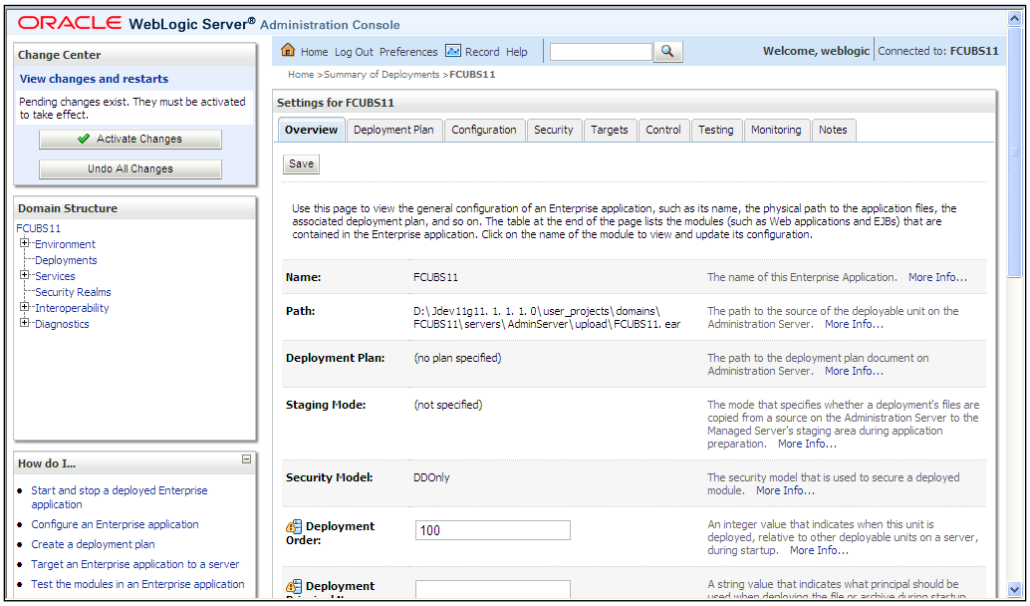
15. Check the deployment name.

The remaining portion of the screen is shown below:



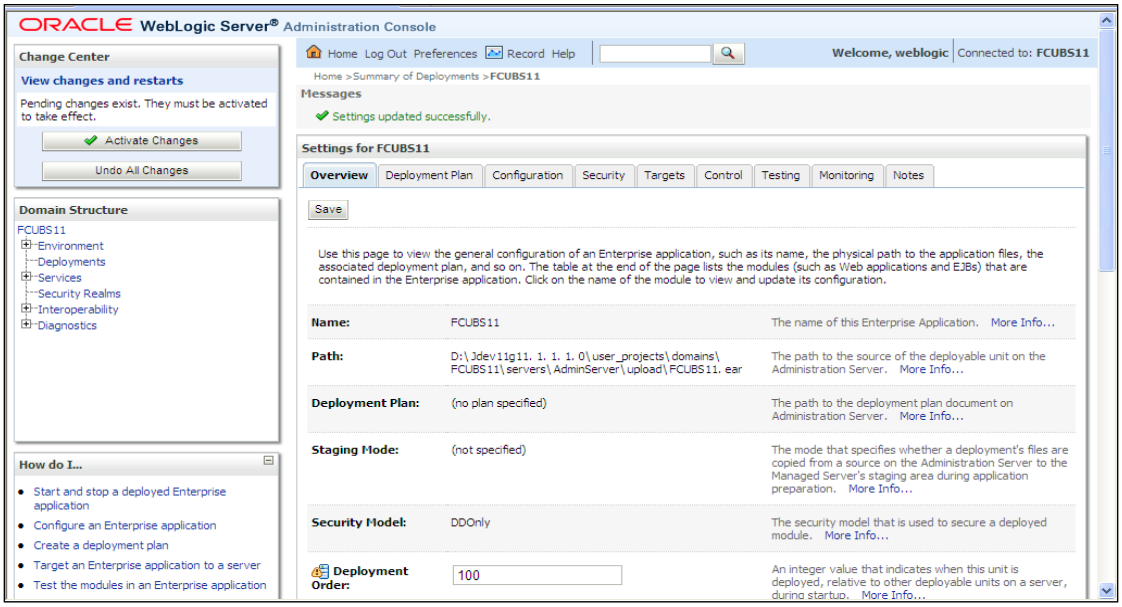
16. Click ‘Finish’ button.

The following screen is displayed.



17. Click ‘Save’ button.

The message ‘Settings updated successfully’ is displayed.



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

1.3.2 Deploying Dependency Library "Jax-RS"

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

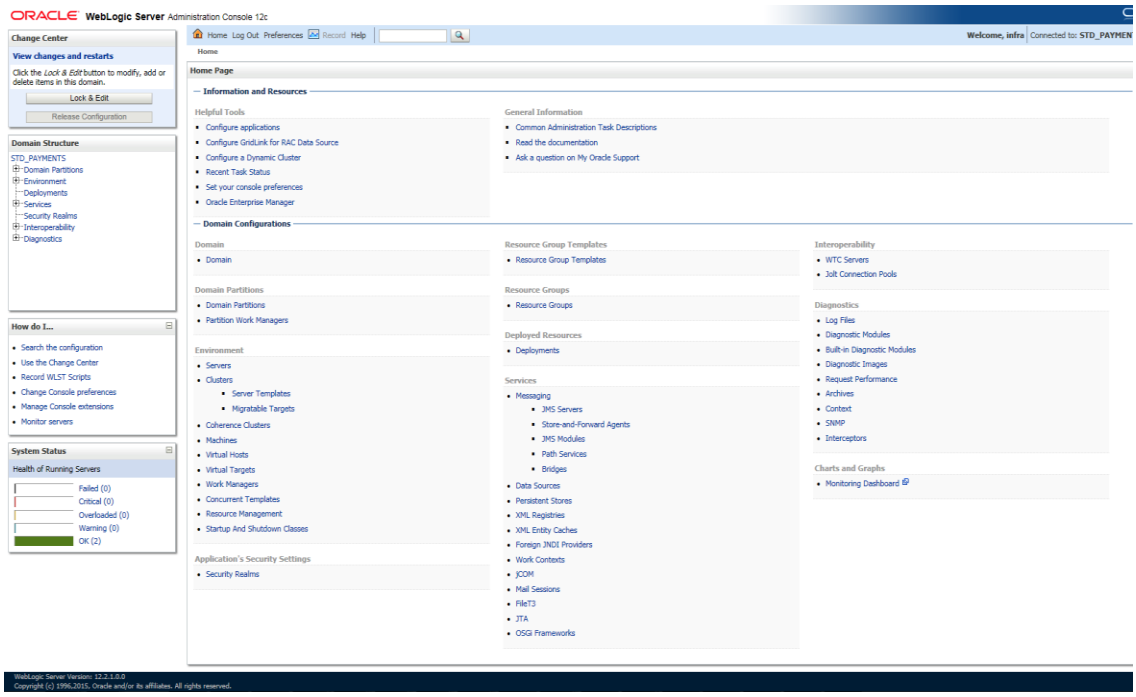
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser. Eg: http://10.10.10.10:1001/console

   The following screen is displayed:

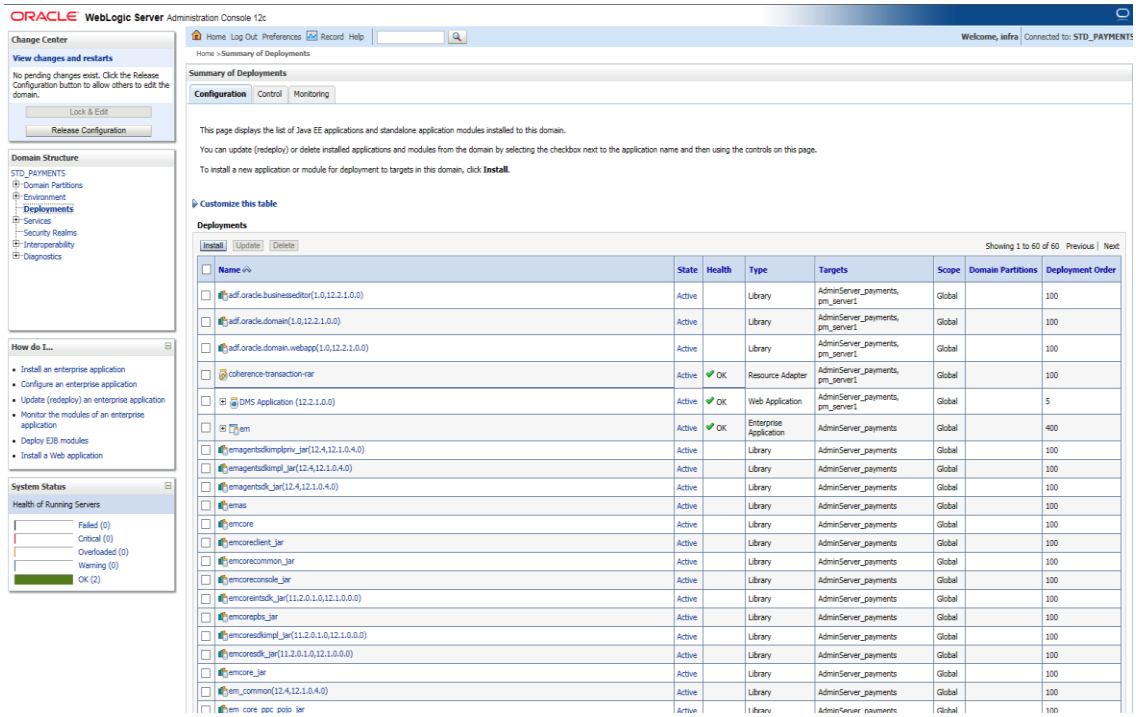


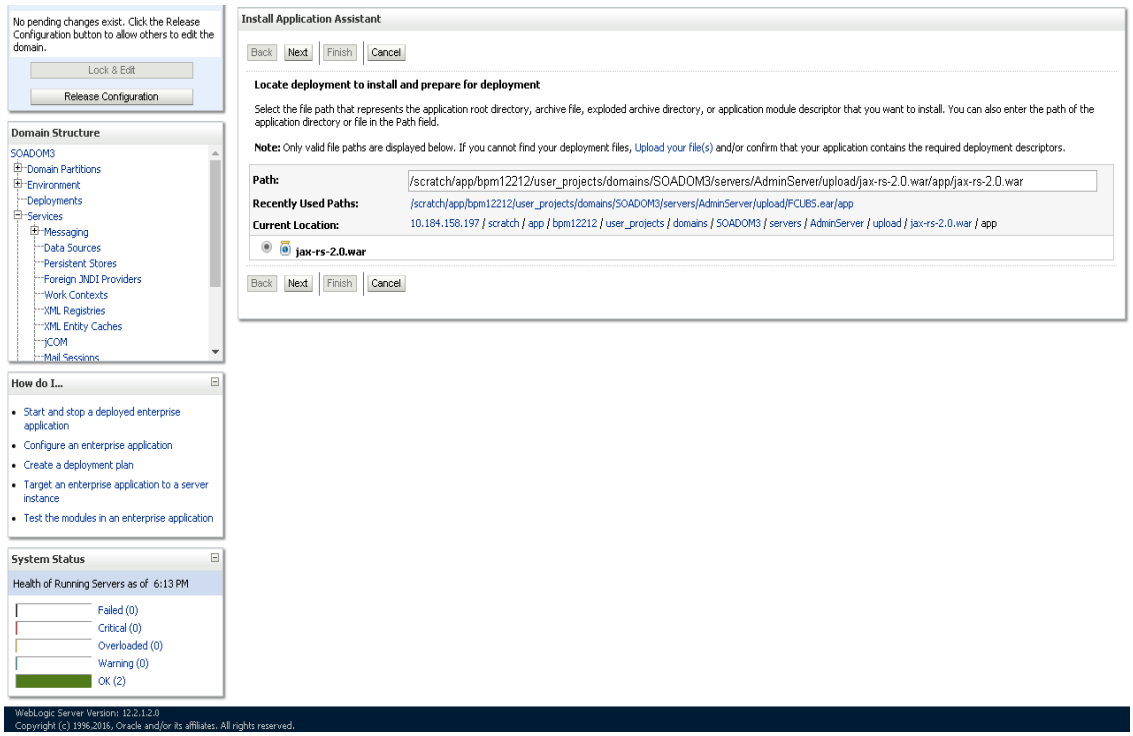
2. Specify the WebLogic administrator user name and password. Click ‘Log In’.

   The following screen is displayed:

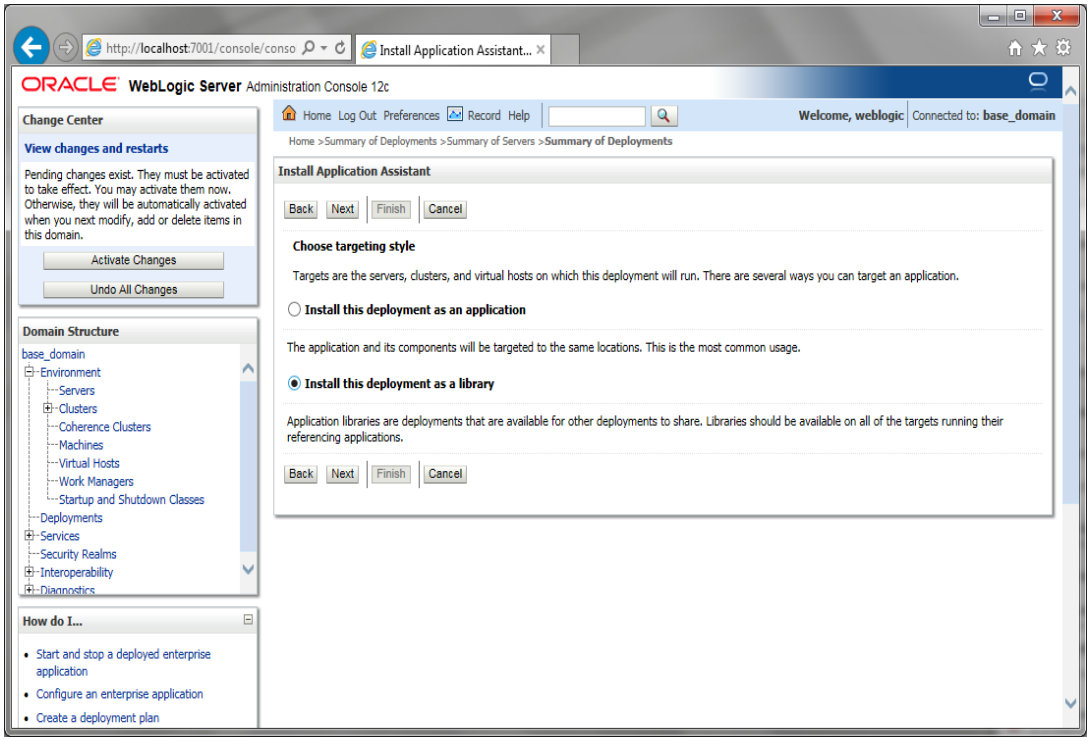


3. Click Install button.

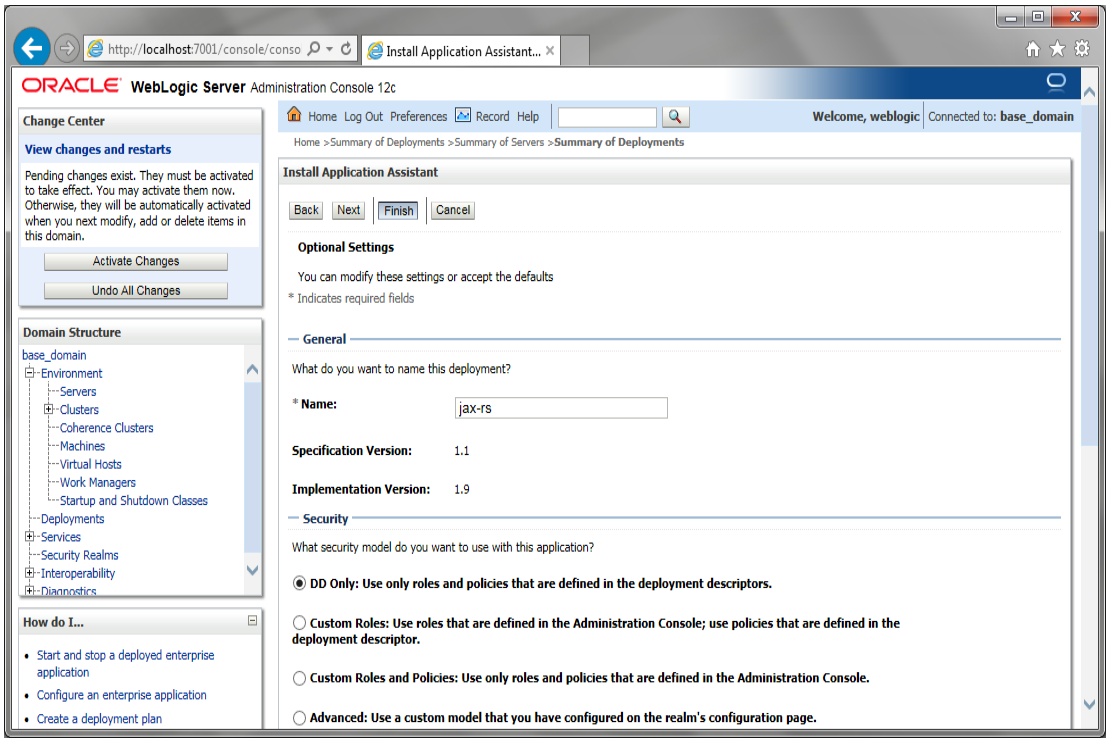




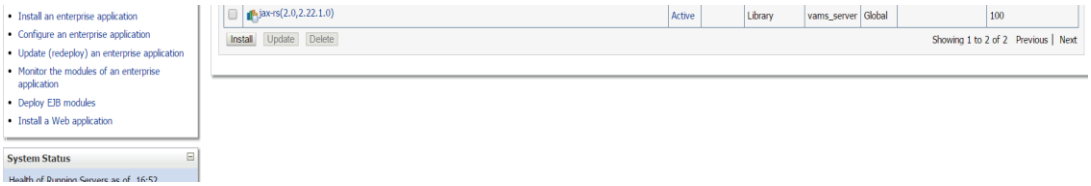
4. Navigate and select jersey bundle under the path "*wlserver\common\deployable-libraries\jax-rs-2.0.war*" and click next.



5. Select "install this deployment as library", select target server as managed server and click next.



6. Click finish button.



This library must appear in the deployment with Type column as “Library’

Note : Latest Jax-rs version will be jax-rs(2.0,2.22.1.0).

1.3.3 Deploying FCUBS Application from WebLogic Administration Console

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

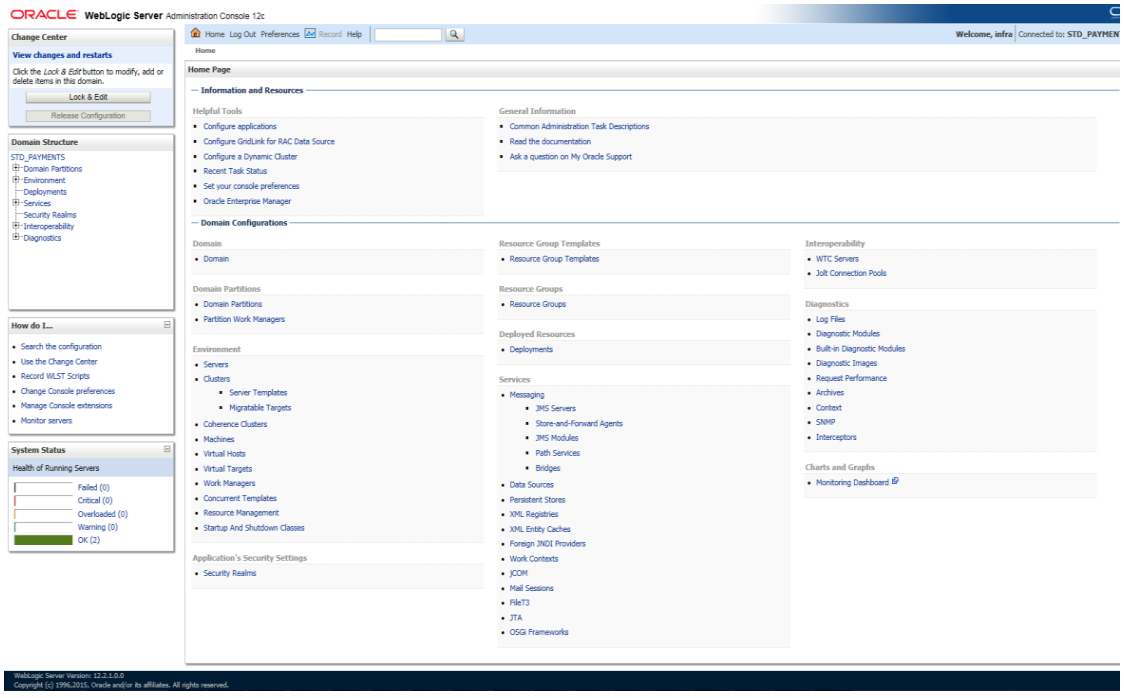
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser. Eg: http://10.10.10.10:1001/console

The following screen is displayed:



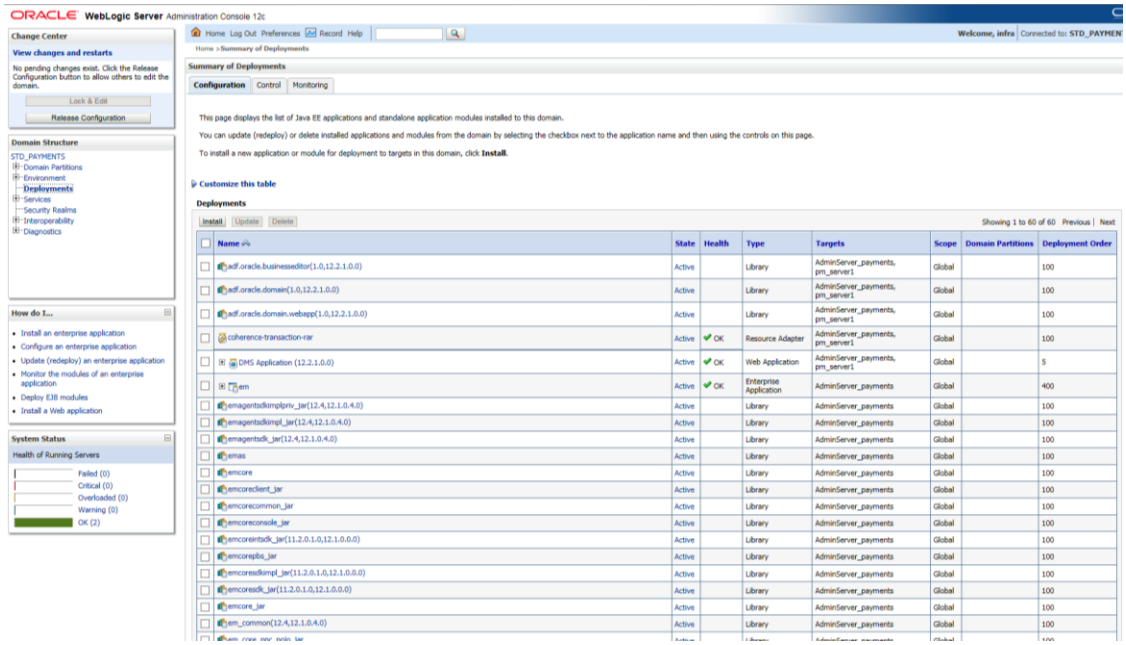
2. Specify the WebLogic administrator user name and password. Click ‘Log In’.

The following screen is displayed:



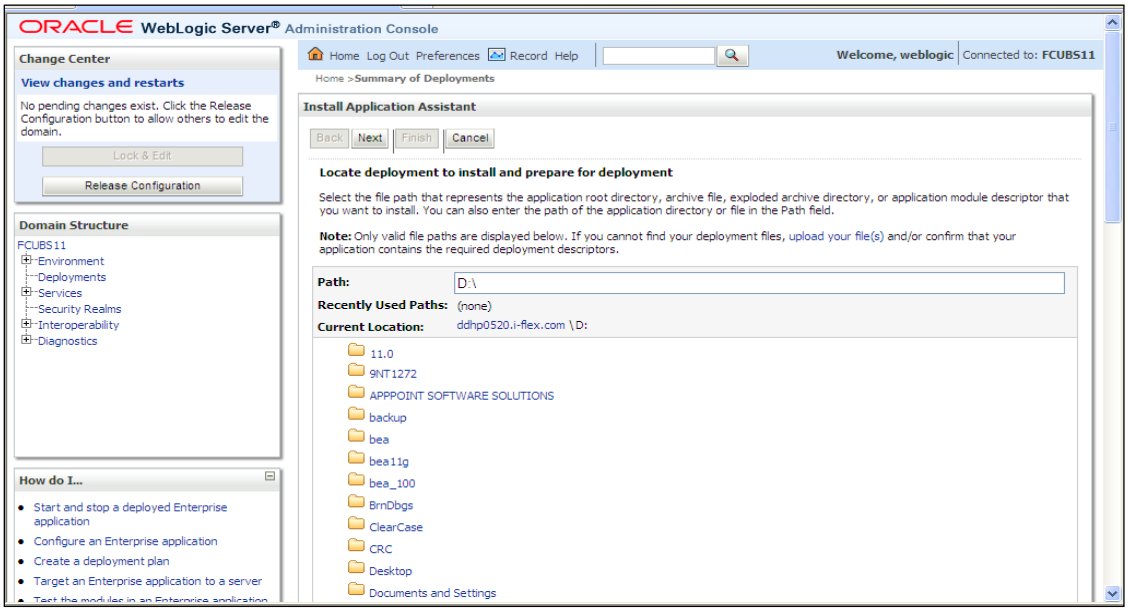
3. You need to deploy an EAR. For e.g. ‘FCUBSApp.ear’. Go to ‘Deployment’.

4. Click ‘Lock & Edit’ button to enable the buttons. This action enables the buttons.



5. Click ‘Install’ button.

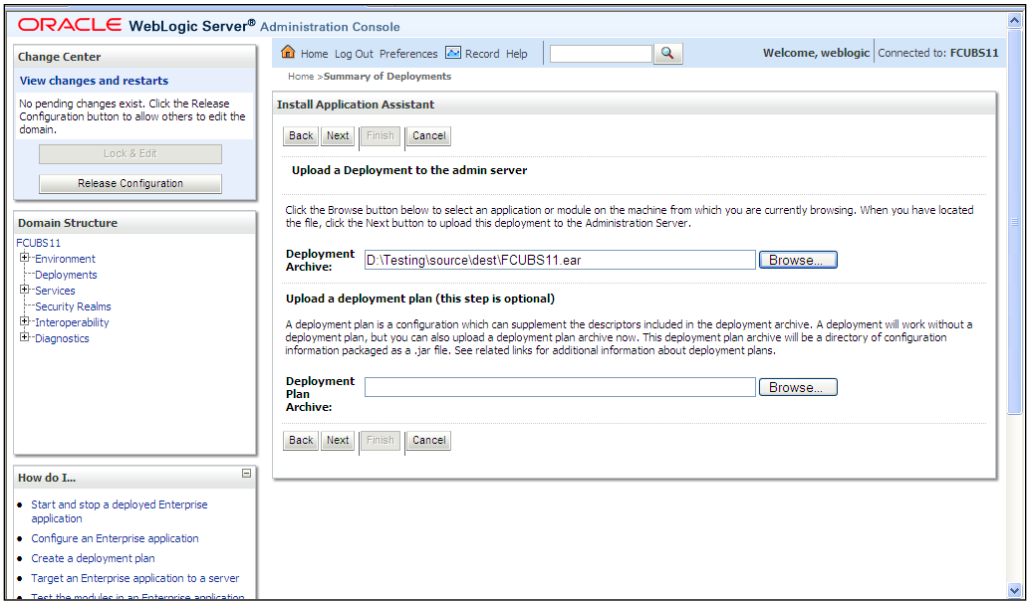
   The following screen is displayed:



6. In order to specify the path/location of the enterprise archive file, click the link ‘upload your file(s)’.

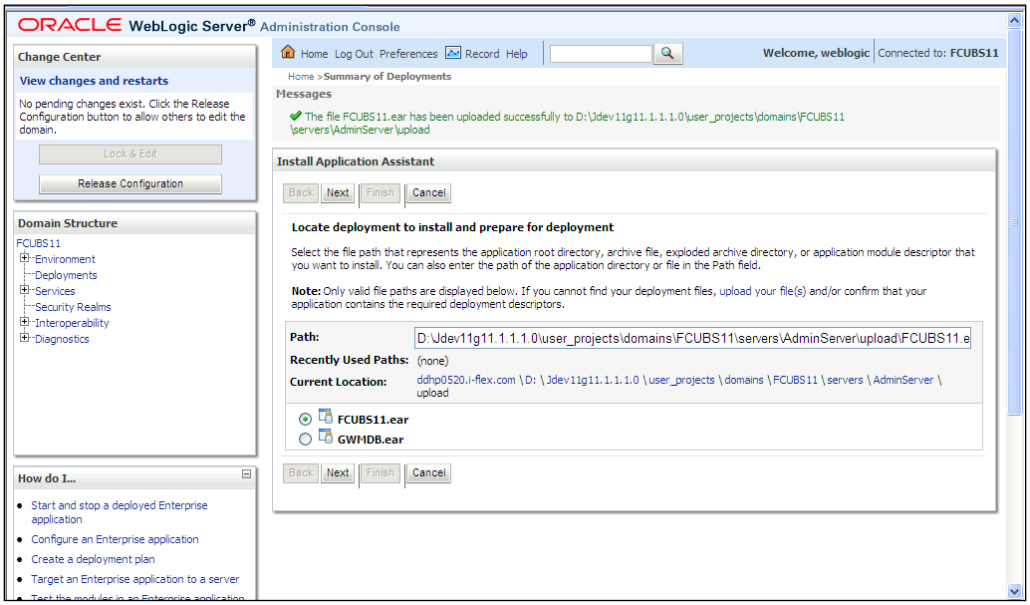
7. Click ‘Next’.

   The following screen is displayed:



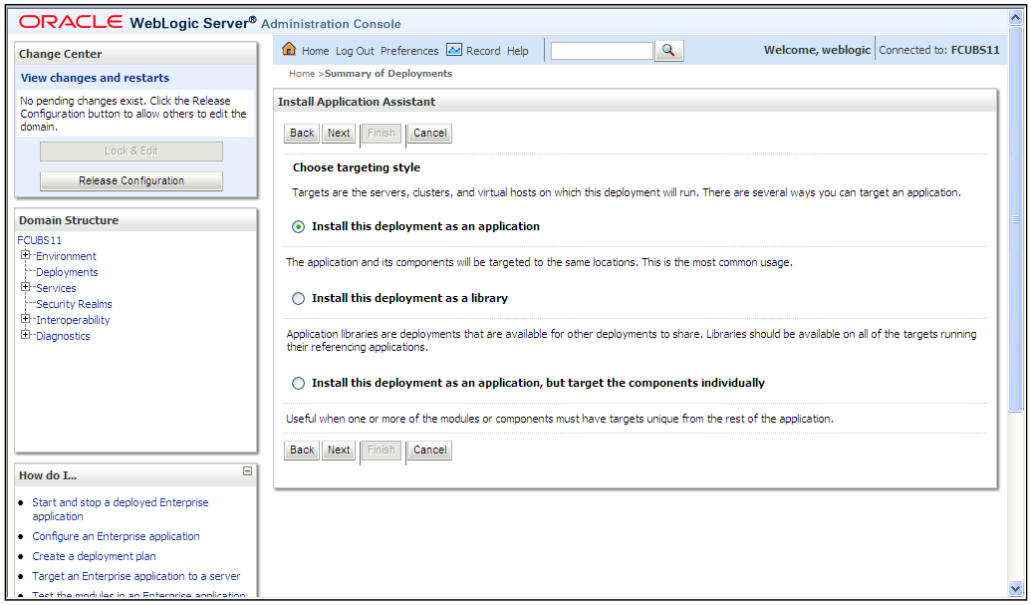
8. Specify the EAR file path. You can use the ‘Browse’ button to locate the file.
9. Click ‘Next’.

The following screen is displayed.



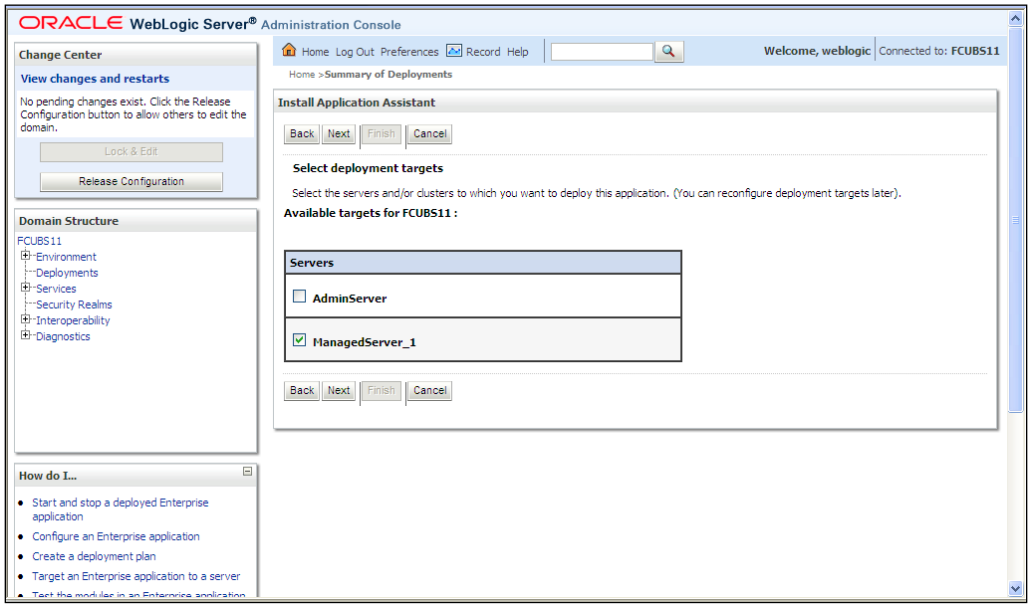
10. Select the application FCUBS EAR from the list.
11. Click ‘Next’.

The following screen is displayed:



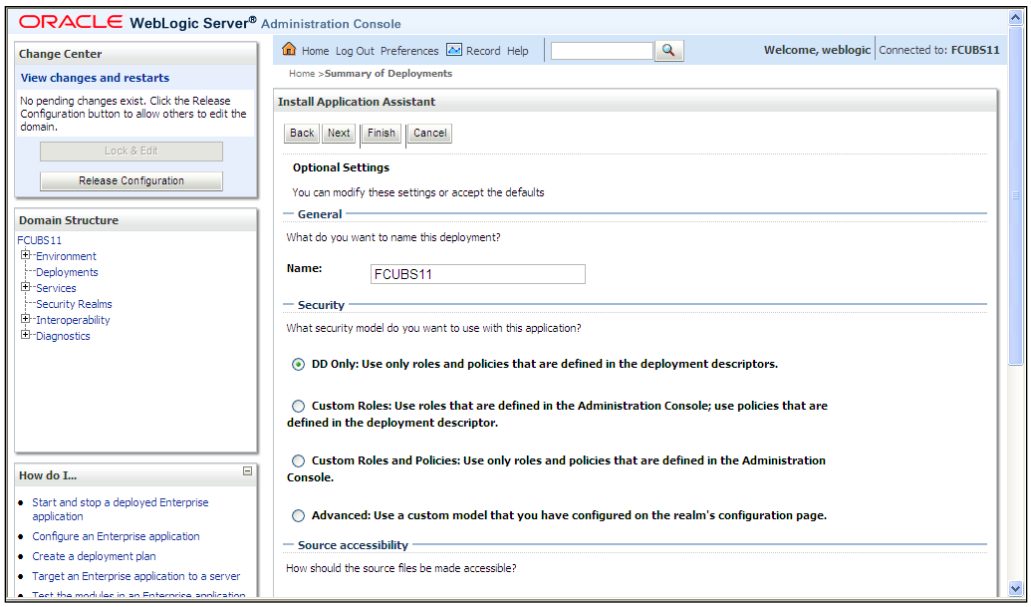
12. Choose the targeting style ‘Install this deployment as an application’.
13. Click ‘Next’.

    The following screen is displayed



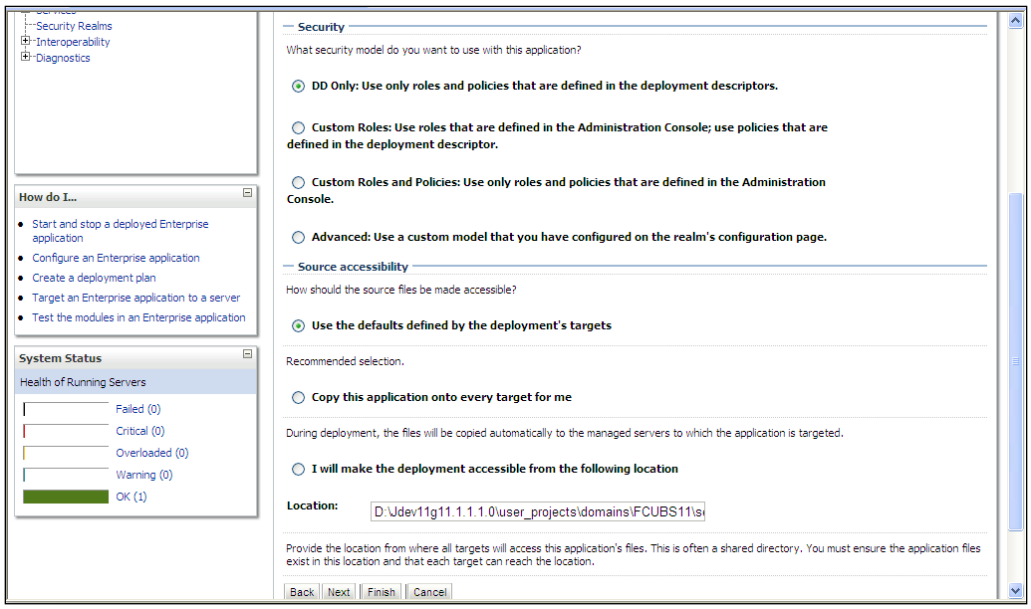
14. Select the target of the application. You can choose the server ‘AdminServer’ or ‘Managed Server(s)’.
15. Click ‘Next’.

The following screen appears.



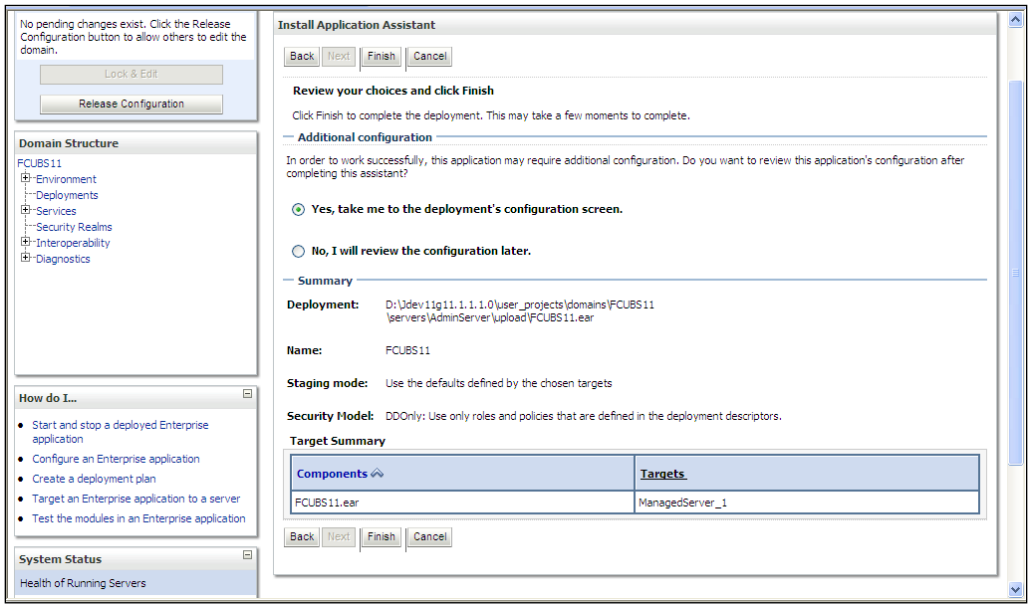
16. Check the deployment name.

    The remaining portion of the screen is shown below:



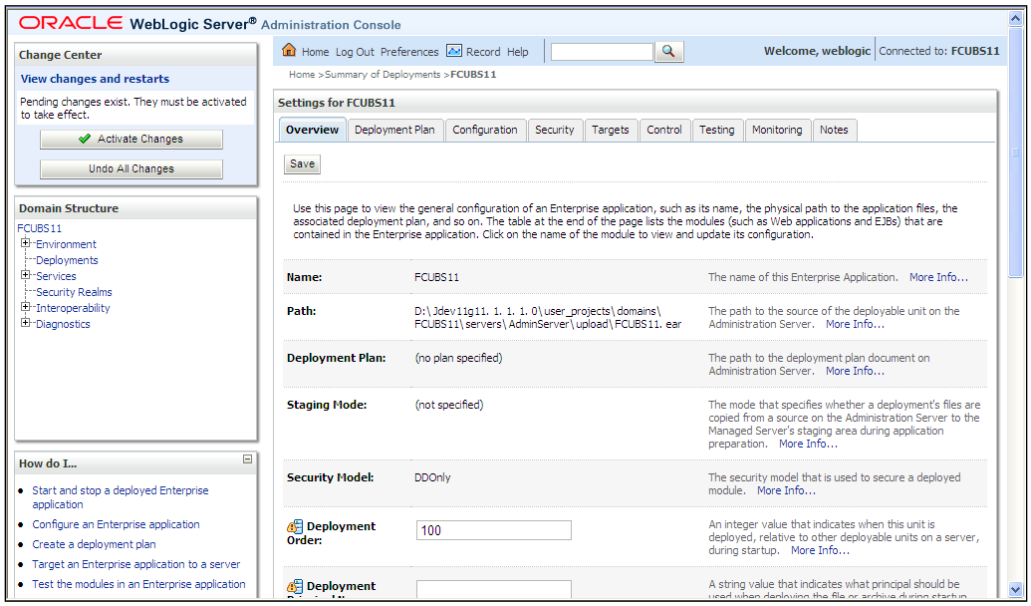
17. Check whether the deployment location is accessible or not.

The following screen is displayed.

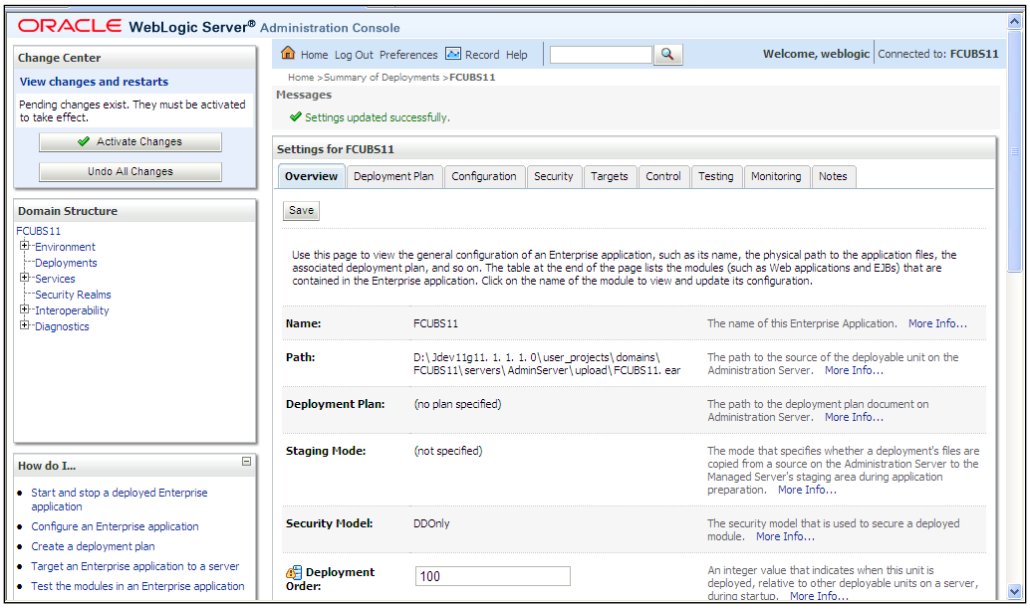


18. Click ‘Finish’ button. The following screen is displayed.

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

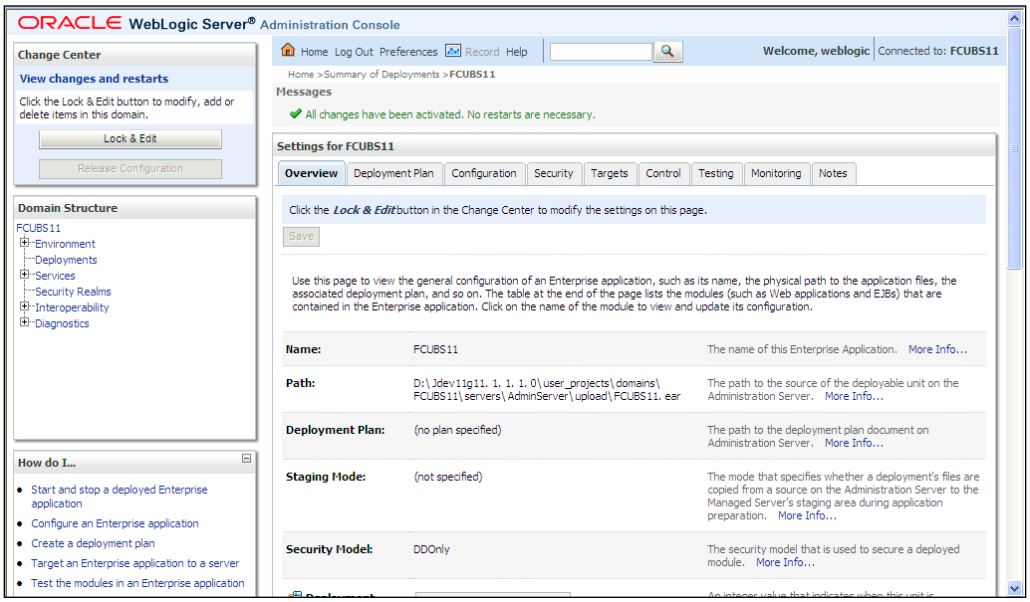


19. Click ‘Save’ button. The message ‘Settings updated successfully’ is displayed.

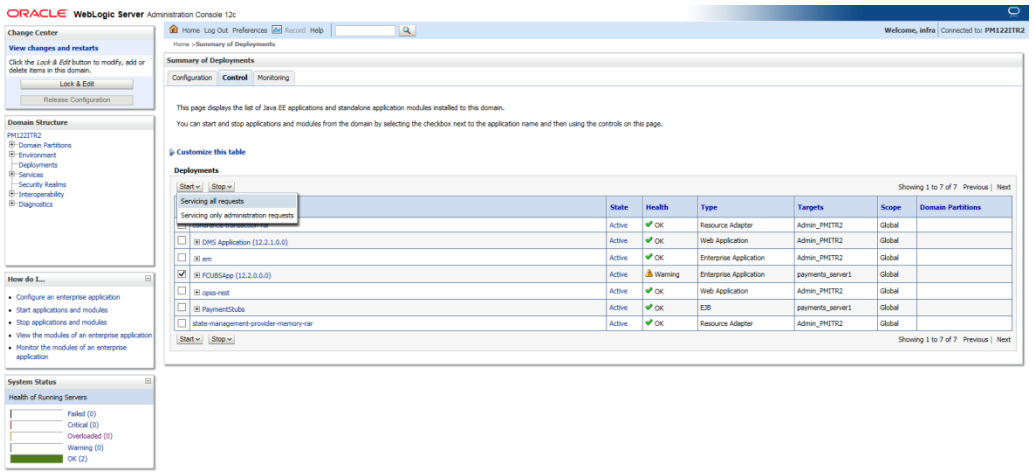


20. Click ‘Activate Changes’ button on the left pane. The message ‘All the changes have been activated. No restarts are necessary’ is displayed.

    The screen is given below:

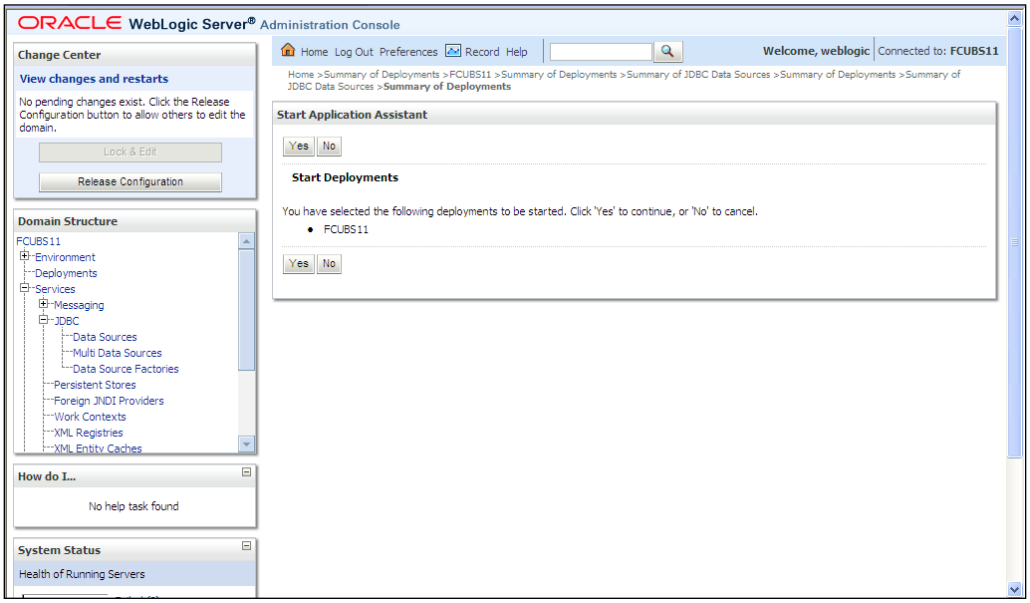


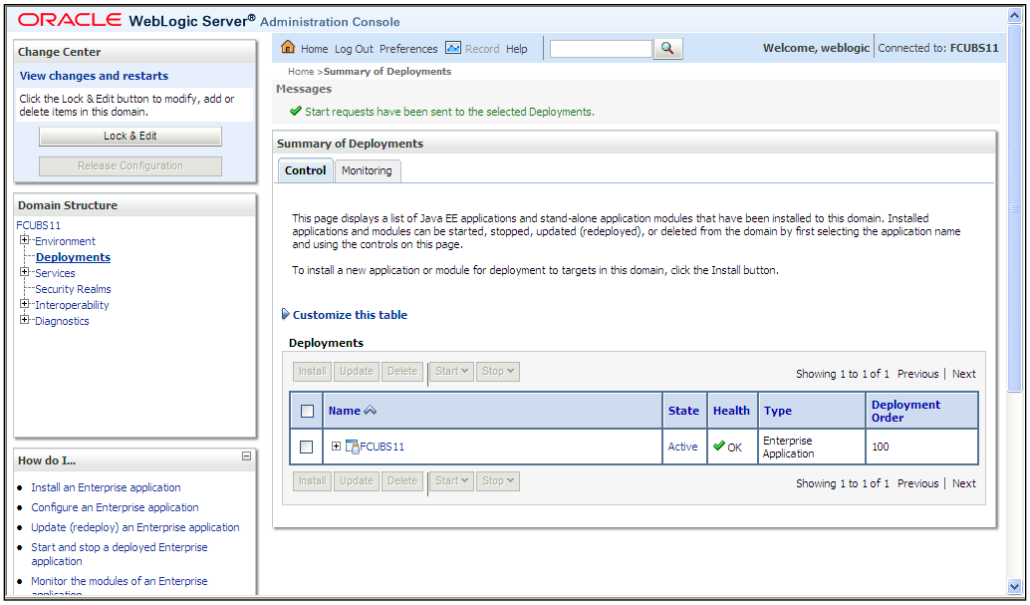
21. Click ‘Deployment’ on the left pane. Switch to Control tab .The following screen is displayed.



22. Click ‘Start’ drop-down button and select ‘Servicing all requests’.

    The following screen is displayed.





23. Click ‘Yes’. The following screen is displayed.

    This completes the deployment process.

1.3.4 Deploying Gateway/Scheduler Applications from WebLogic Administration Console

To deploy Oracle FLEXCUBE Gateway/Scheduler Application from Oracle WebLogic administration console, follow the steps given below.

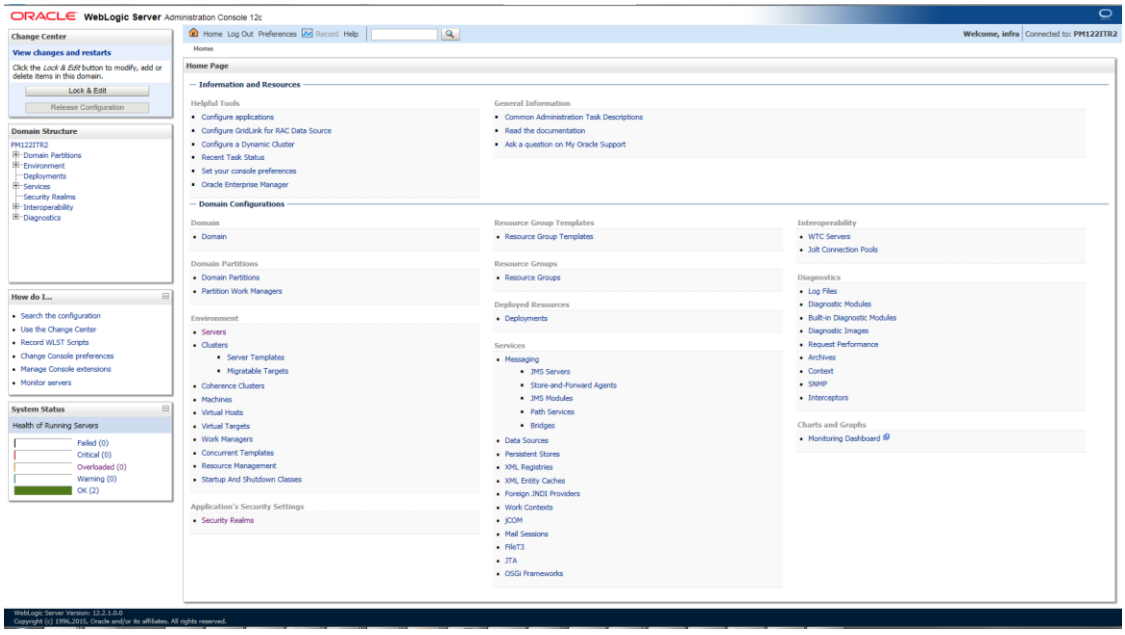
1. Launch Administrative Console of WebLogic application server. You can launch this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser. Eg: http://10.10.10.10:1001/console

   The following screen is displayed:



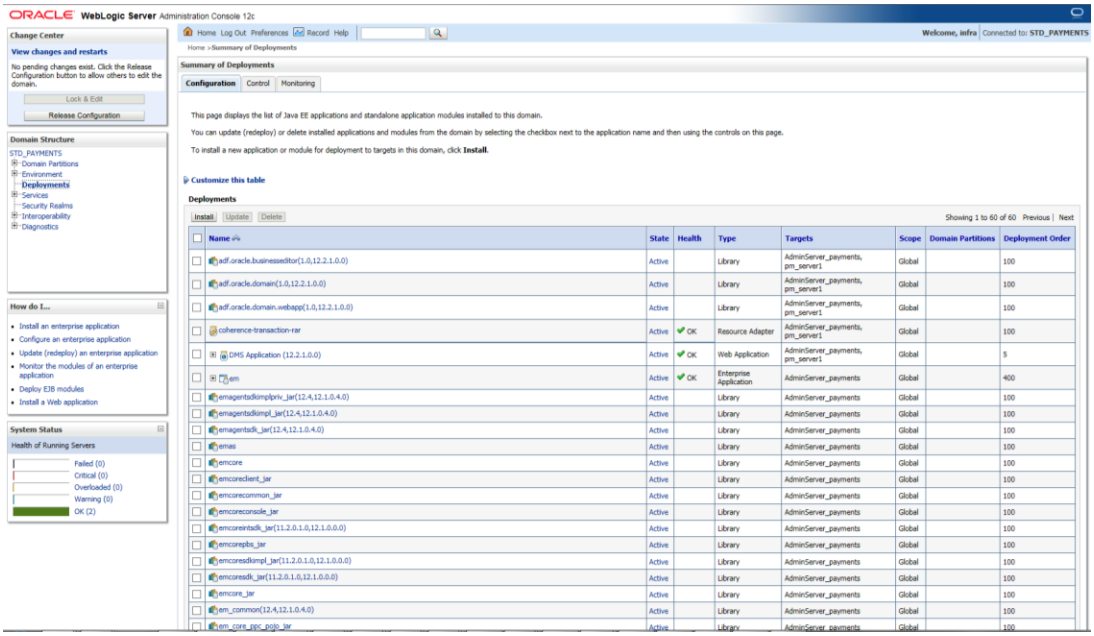
2. Specify the WebLogic administrator user name and password. Click ‘Log In’.

   The following screen is displayed:

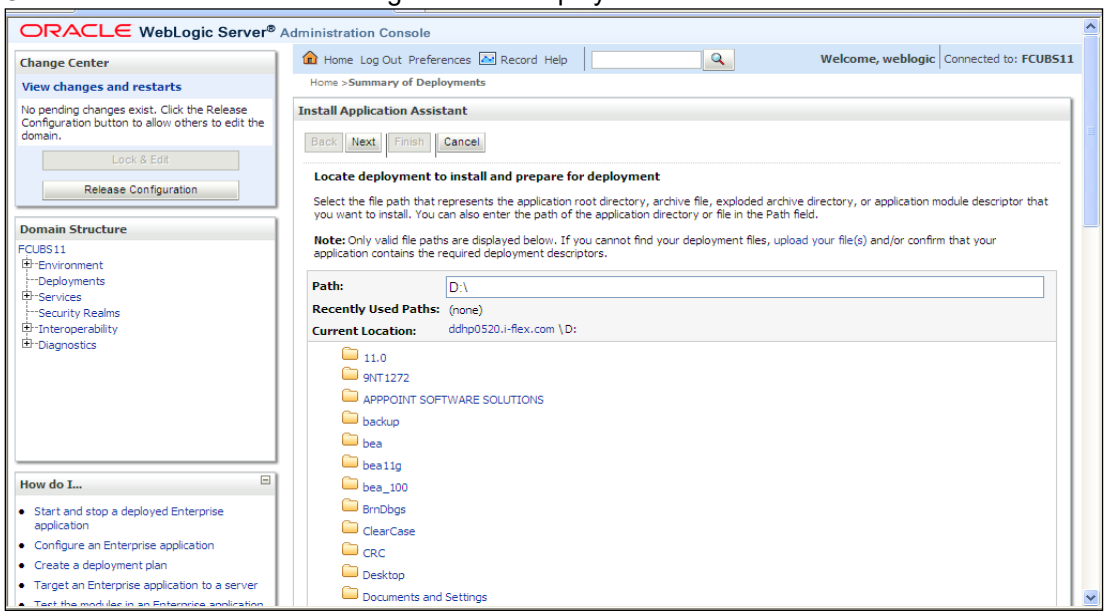


3. You need to deploy an EAR. For e.g. ‘GWEJB.ear’. Go to ‘Deployment’.

4. Click ‘Lock & Edit’ button to enable the buttons. This action enables the buttons.

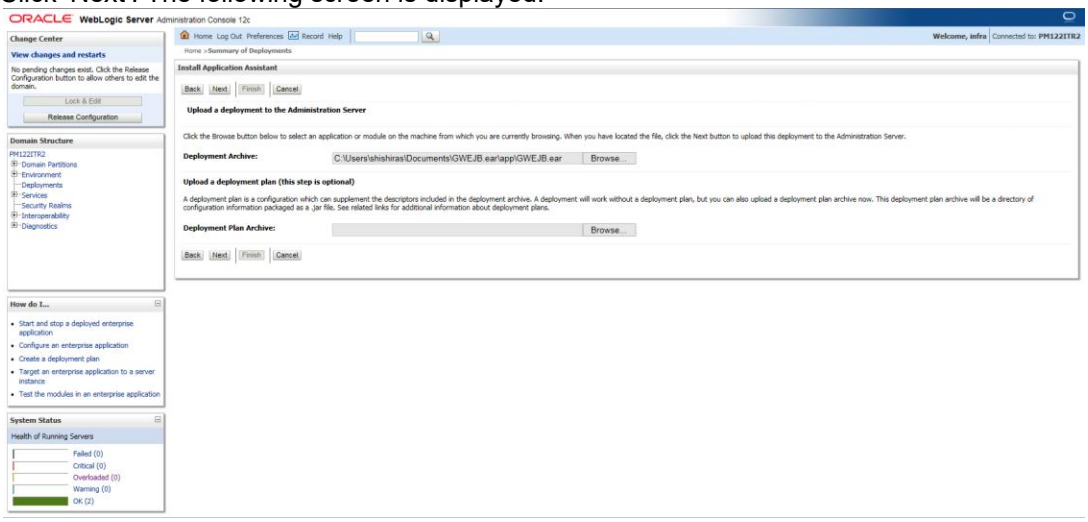


5. Click ‘Install’ button. The following screen is displayed:

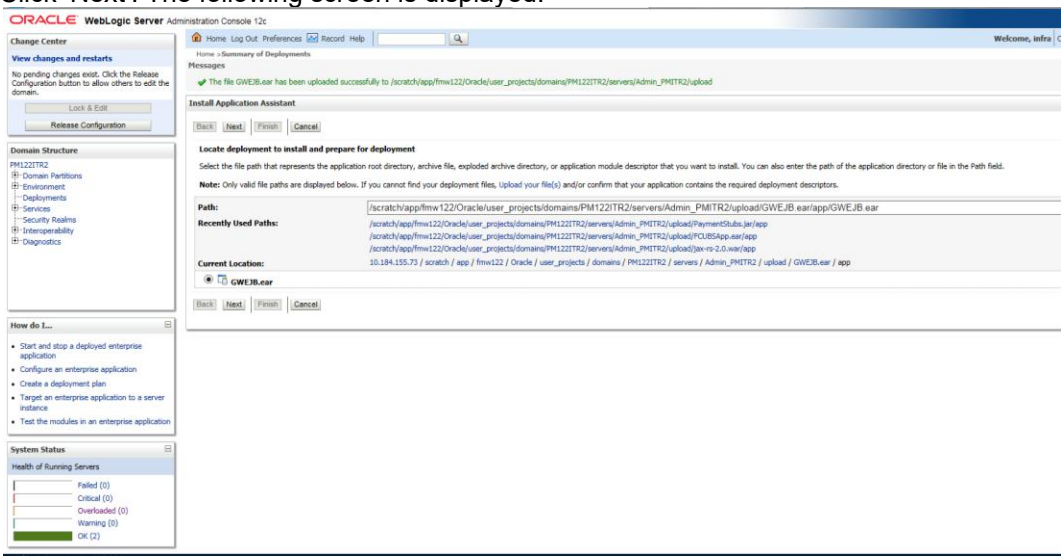


6. In order to specify the path/location of the enterprise archive file, click the link ‘upload your file(s)’.

7. Click ‘Next’. The following screen is displayed:

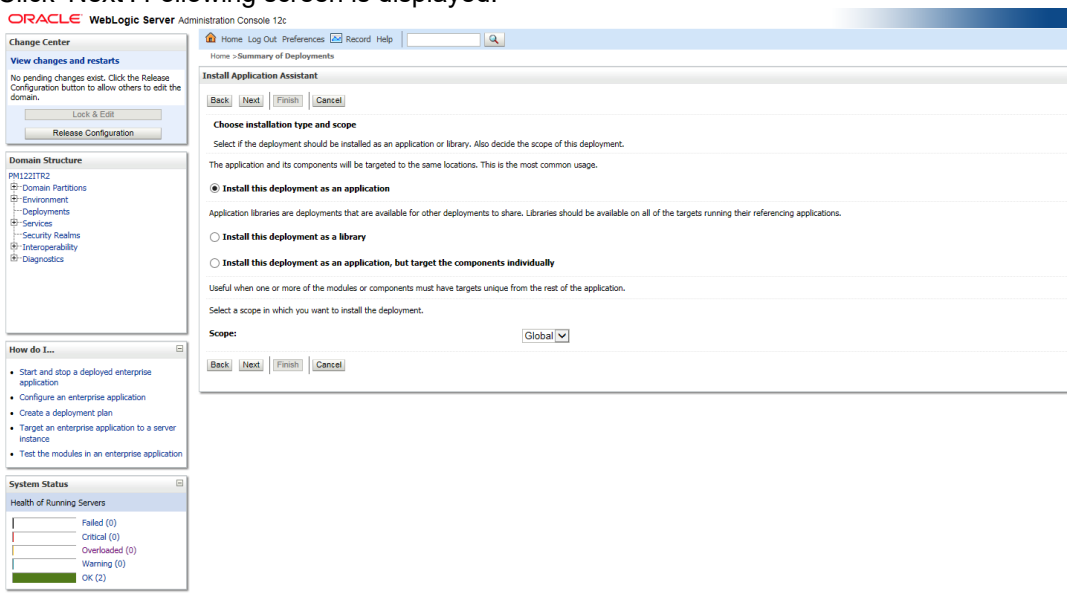


8. Specify the EAR file path. You can use the ‘Browse’ button to locate the file.
9. Click ‘Next’. The following screen is displayed.



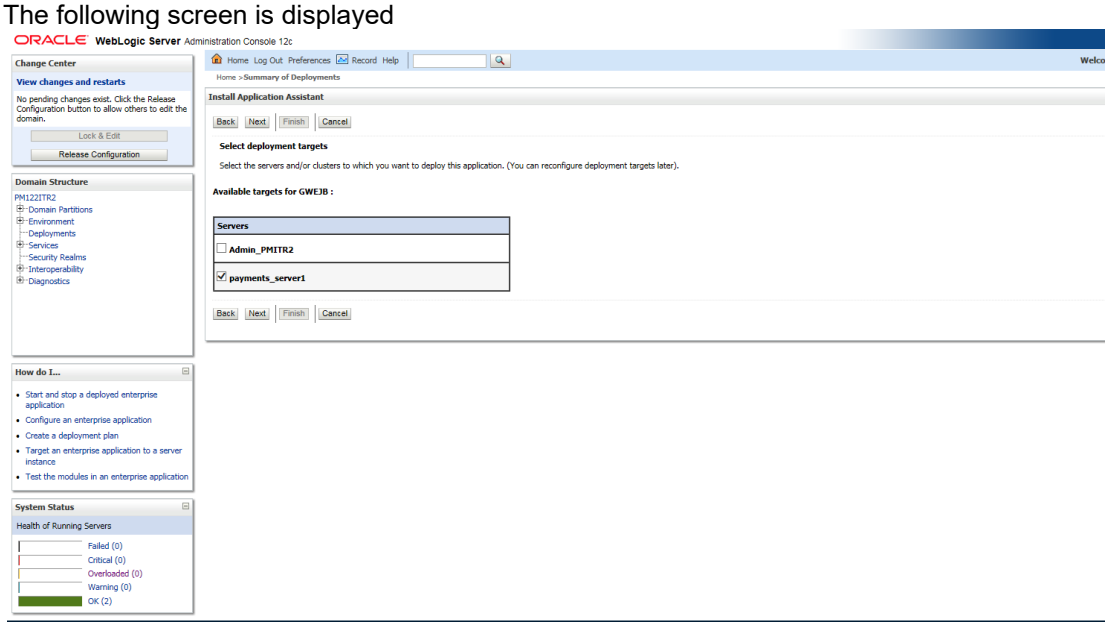
10. Select the application from the list.

11. Click ‘Next’. Following screen is displayed:



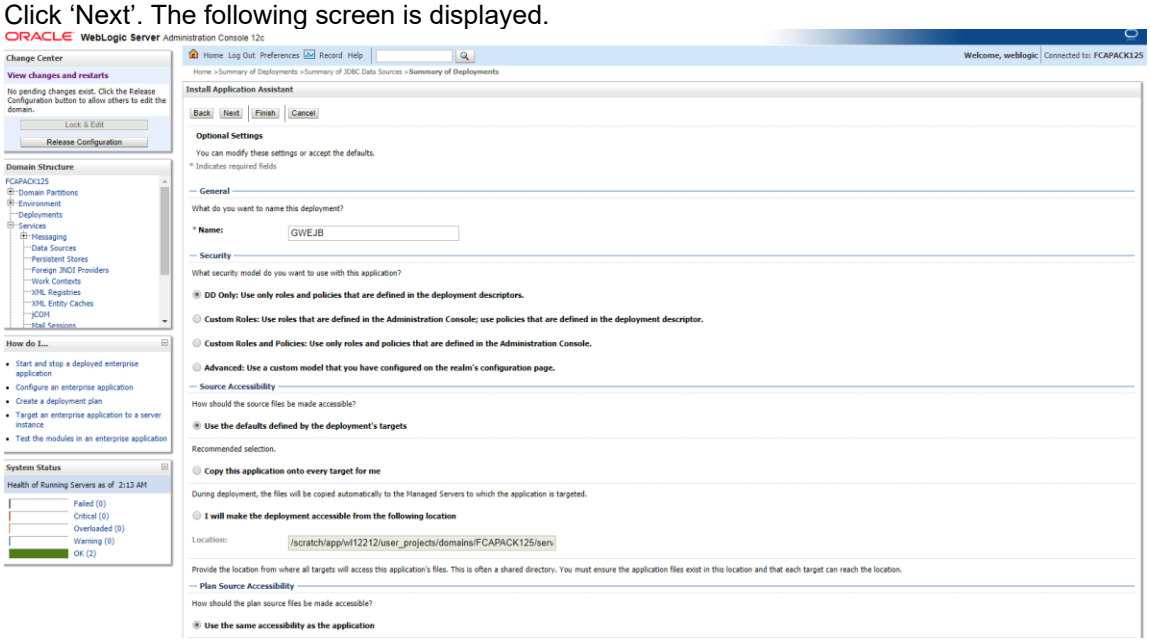
12. Choose the targeting style ‘Install this deployment as an application’.
13. Click ‘Next’.

    The following screen is displayed



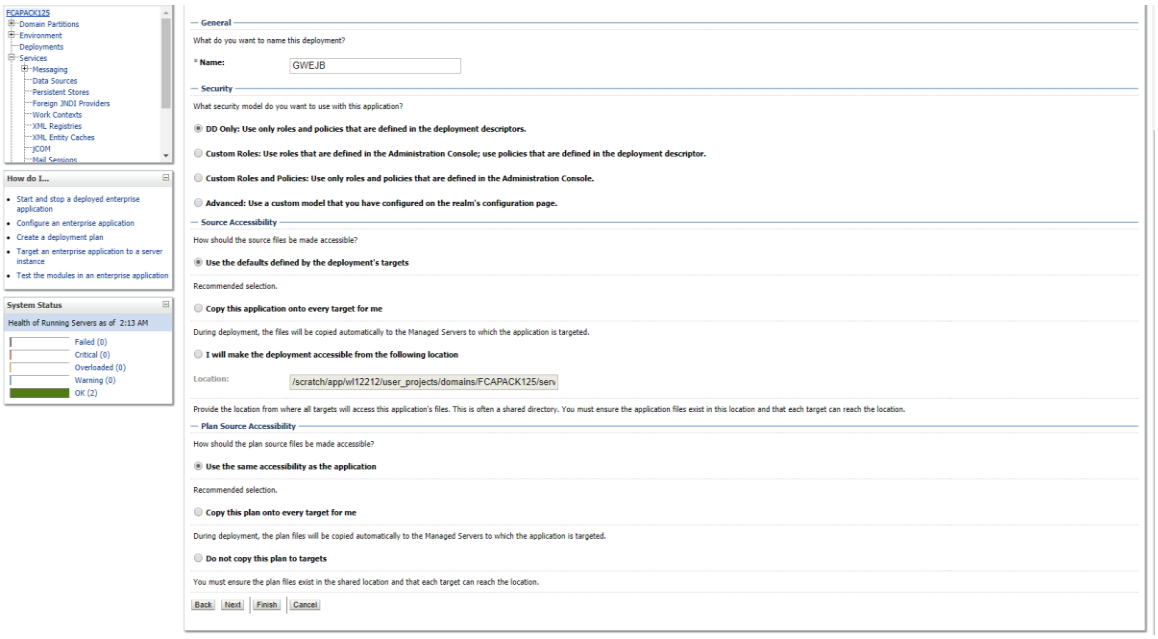
14. Select the target of the application. You can choose the server ‘AdminServer’ or ‘Managed Server(s)’.

15. Click ‘Next’. The following screen is displayed.

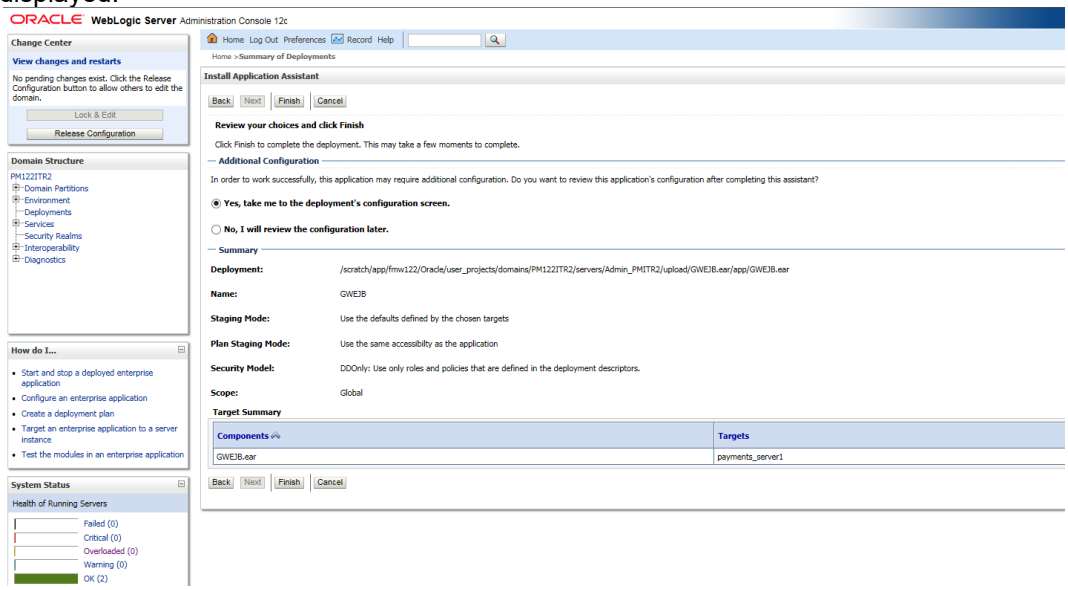


16. Check the deployment name.

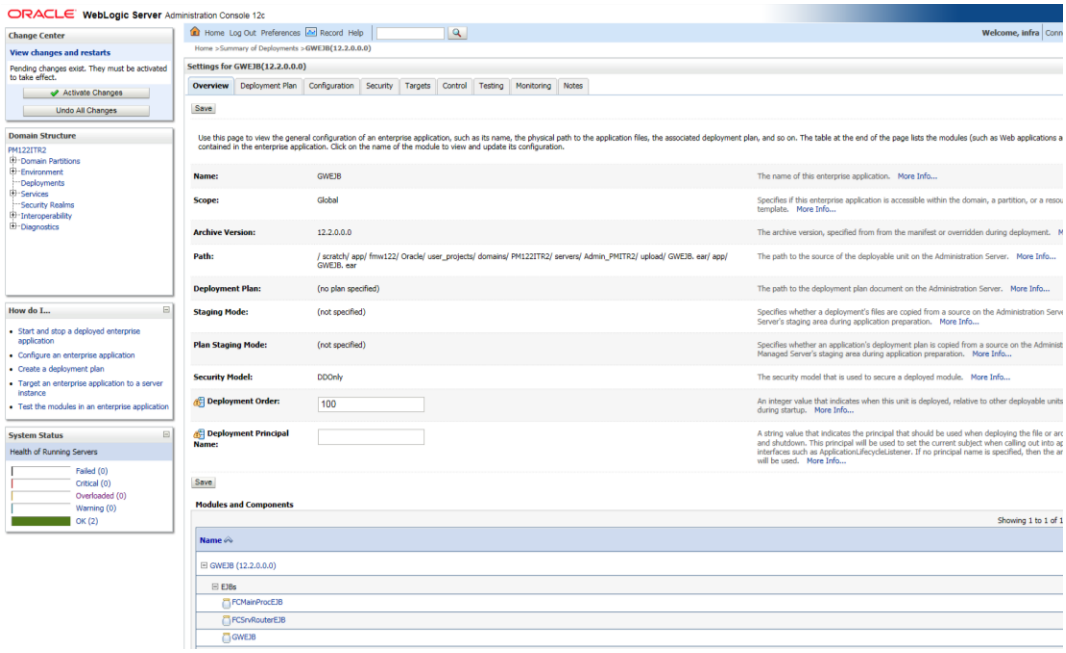
    The remaining portion of the screen is shown below:



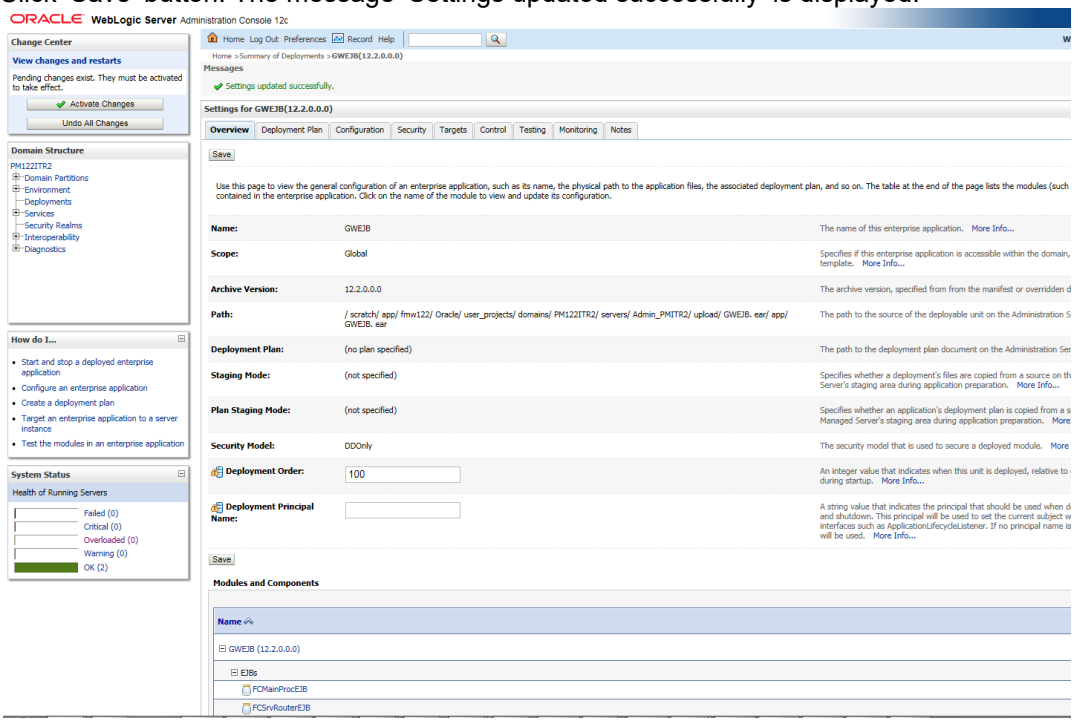
17. Check whether the deployment location is accessible or not.The following screen is displayed.



18. Click ‘Finish’ button. The following screen is displayed.

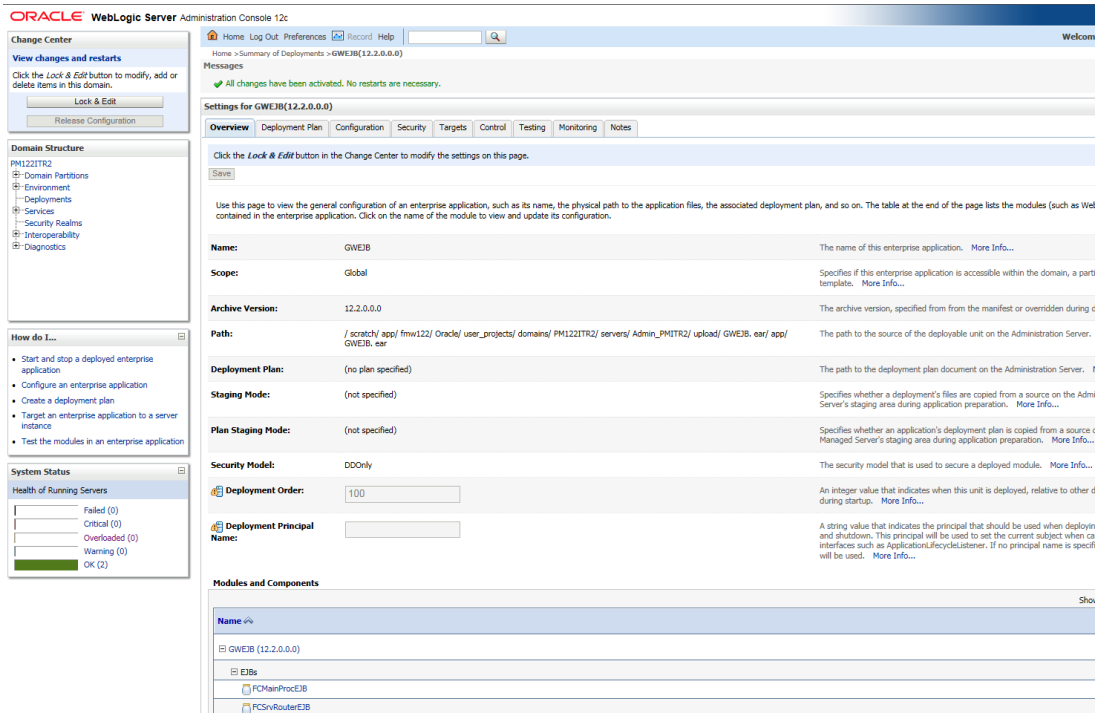


19. Click ‘Save’ button. The message ‘Settings updated successfully’ is displayed.

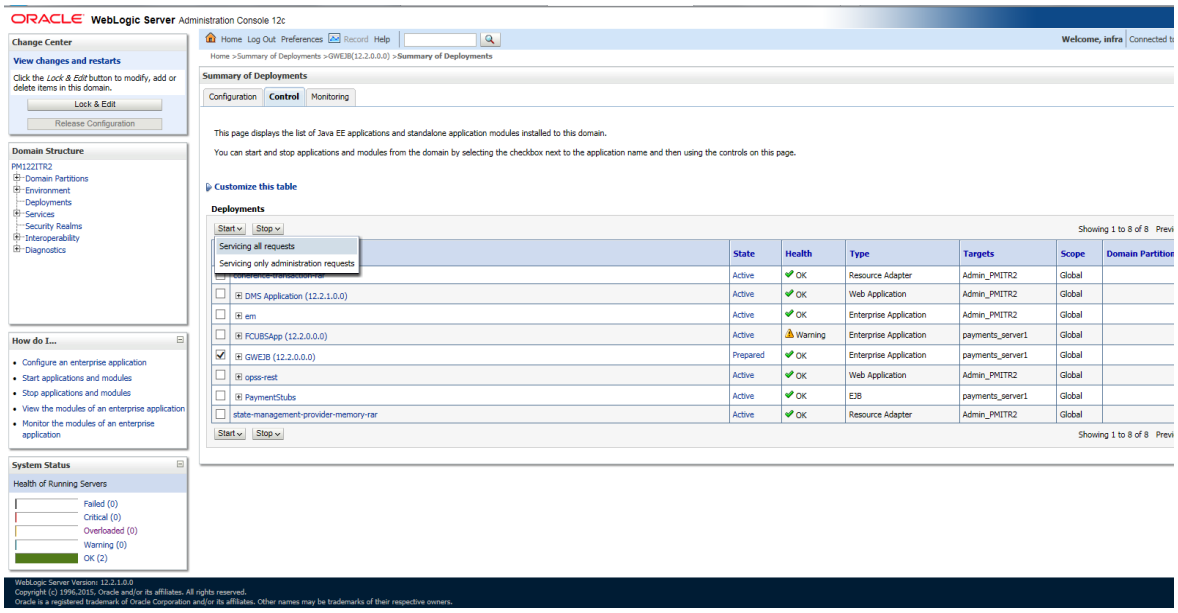


20. Click ‘Activate Changes’ button on the left pane. The message ‘All the changes have been activated. No restarts are necessary’ is displayed.

    The screen is given below:

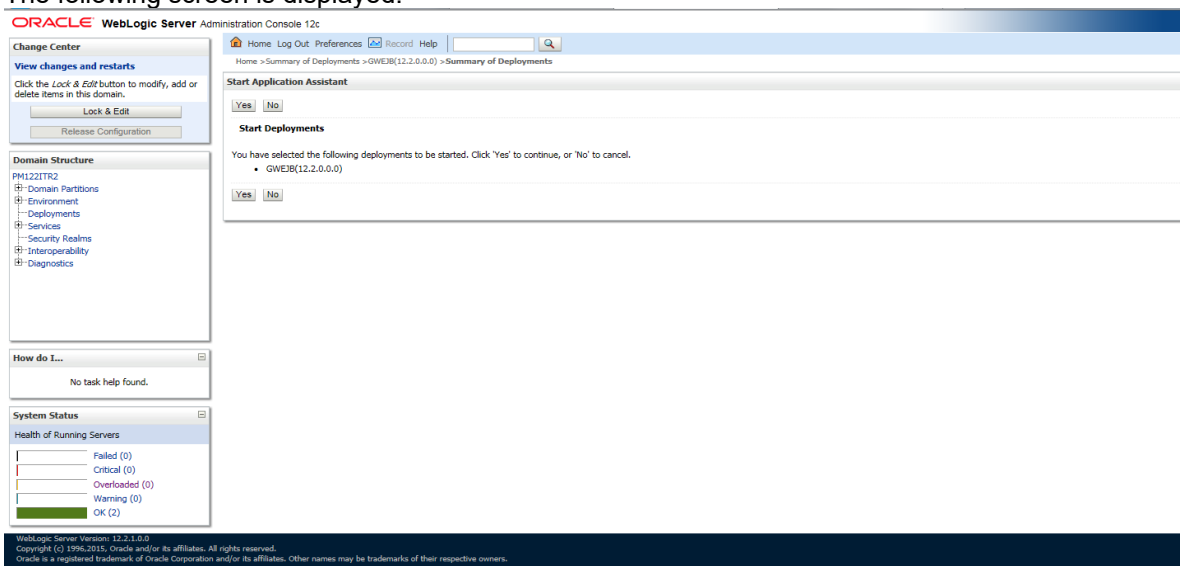


21. Click ‘Deployment’ on the left pane. Switch to Control tab. The following screen is displayed.

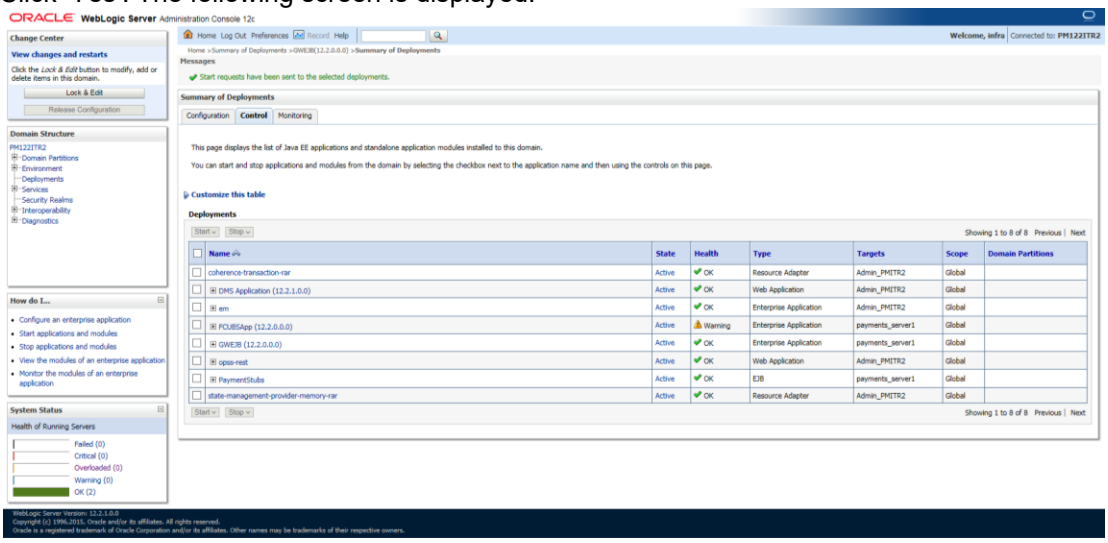


22. Click ‘Start’ drop-down button and select ‘Servicing all requests’.

The following screen is displayed.



23. Click ‘Yes’. The following screen is displayed.



This completes the deployment process.

24. Repeat the same steps from 1.3.3 for deploying GWWS(gateway webservices),Gateway MDB & Gateway HTTP servlet



Deploying Oracle FLEXCUBE Application on WebLogic
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