

# Deploying Oracle FLEXCUBE Investor Servicing Application on WebLogic

Oracle FLEXCUBE Investor Servicing

Release 14.7.0.0.0  
[November] [2022]



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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

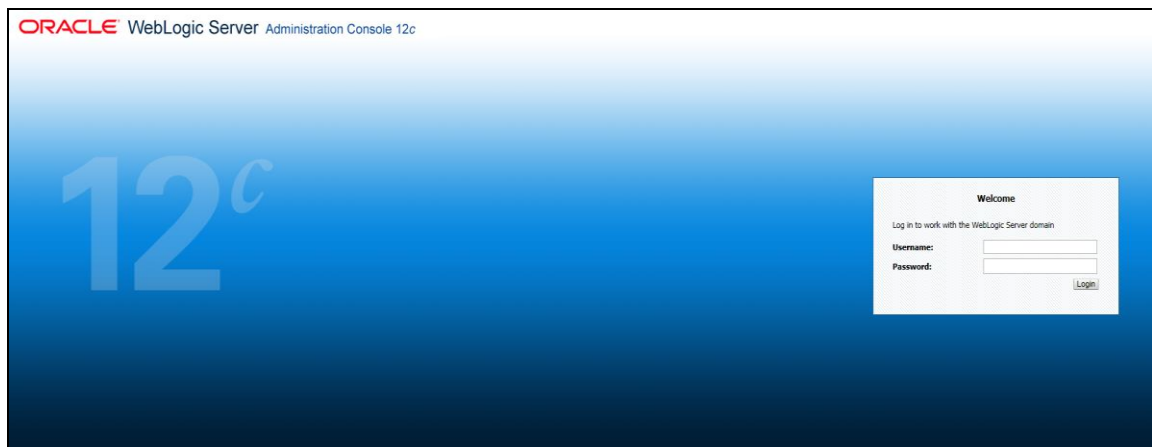
This section explains the method of deploying Oracle FLEXCUBE Investor Servicing Application Oracle WebLogic application server. Before deployment, all the resources mentioned in the document "Resources To be Created" have to be created.

### 1.3.1 Deploying Dependency Library "Jersey-bundle"

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

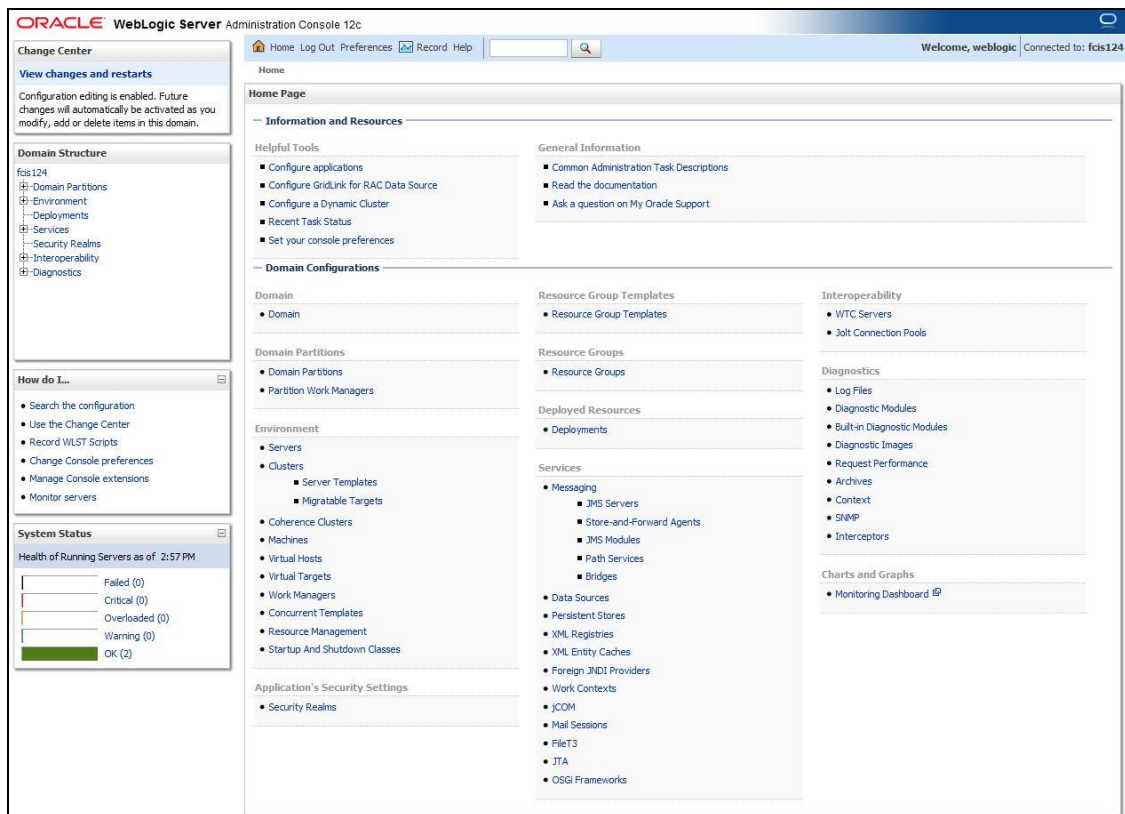
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.  
Eg: <http://10.10.10.10:1001/console>

The following screen is displayed:

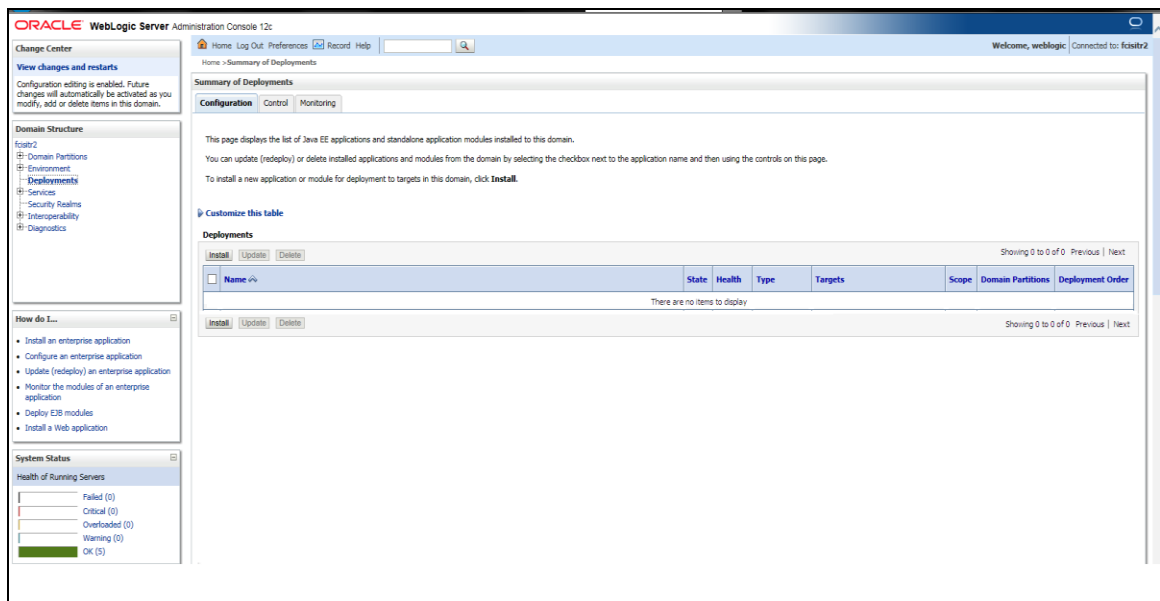


2. Specify the WebLogic administrator user name and password. Click 'Log In'.

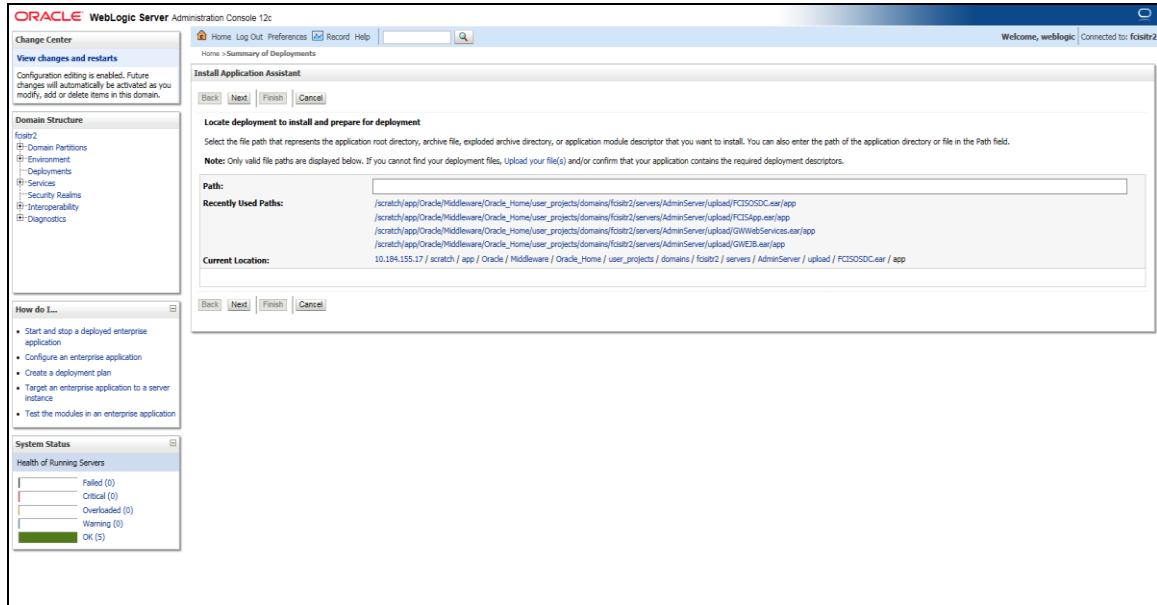
The following screen is displayed:



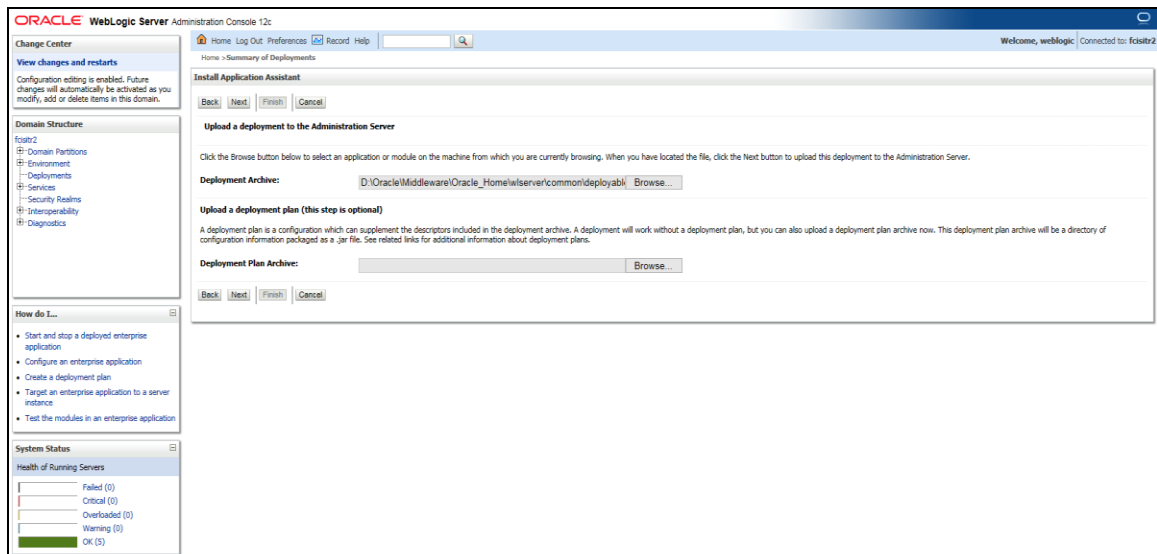
Click 'Deployments' button on the left hand side of the 'Weblogic Server' screen. The following screen is displayed:



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)'.



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

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

**Domain Structure**

- base\_domain
  - Domain Partitions
  - Environment
  - Deployments
  - Services
  - Security Realms
  - Interoperability
  - Diagnostics

**How do I...**

- Start and stop a deployed enterprise application
- Configure an enterprise application
- Create a deployment plan
- Target an enterprise application to a server instance
- Test the modules in an enterprise application

**System Status**

Health of Running Servers as of 1:25 PM

**Install Application Assistant**

Back Next Finish Cancel

**Locate deployment to install and prepare for deployment**

Select the file path that represents the application root directory, archive file, exploded archive directory, or application module descriptor that you want to install. You can also enter the path of the application directory or file in the Path field.

**Note:** Only valid file paths are displayed below. If you cannot find your deployment files, Upload your file(s) and/or confirm that your application contains the required deployment descriptors.

**Path:** /scratch/software/Oracle/Middleware/Oracle\_Home/wlserver/common/deployable-libraries/jax-rs-2.0.war

**Recently Used Paths:**

- /scratch/software/Oracle/Middleware/Oracle\_Home/user\_projects/domains/base\_domain/servers/AdminServer/upload/RestService.ear/app
- /scratch/software/Oracle/Middleware/Oracle\_Home/user\_projects/domains/base\_domain/servers/AdminServer/upload/FCISApp124Sup.ear/app
- /scratch/software/Oracle/Middleware/Oracle\_Home/user\_projects/domains/base\_domain/servers/AdminServer/upload/FCISApp124.ear/app
- /scratch/software/Oracle/Middleware/Oracle\_Home/user\_projects/domains/base\_domain/servers/AdminServer/upload/FCISApp124au.ear/app
- whf00csk / scratch / software / Oracle / Middleware / Oracle\_Home / wlserver / common / deployable-libraries

**Current Location:** whf00csk / scratch / software / Oracle / Middleware / Oracle\_Home / wlserver / common / deployable-libraries

☐ active-cache\_1.0.jar

☒ jax-rs-2.0.war

☐ jsf-1.2.war

☐ jsf-2.0.war

☐ jsr311-api-1.1.1.war

☐ jstl-1.2.war

☐ pubsub-1.0.war

☐ weblogic-sca-1.2.war

Back Next Finish Cancel

6. Click Next and the following screen will be displayed.

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: fcsitr2

**Change Center**

View changes and restarts

Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

**Domain Structure**

- base\_domain
  - Domain Partitions
  - Environment
  - Deployments
  - Services
  - Security Realms
  - Interoperability
  - Diagnostics

**How do I...**

- Start and stop a deployed enterprise application
- Configure an enterprise application
- Create a deployment plan
- Target an enterprise application to a server instance
- Test the modules in an enterprise application

**System Status**

Health of Running Servers

- Failed (0)
- Critical (0)
- Overloaded (0)
- Warning (0)
- OK (5)

**Install Application Assistant**

Back Next Finish Cancel

**Choose installation type and scope**

Select if the deployment should be installed as an application or library. Also decide the scope of this deployment.

The application and its components will be targeted to the same locations. This is the most common usage.

☐ Install this deployment as an application

Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the targets running their referencing applications.

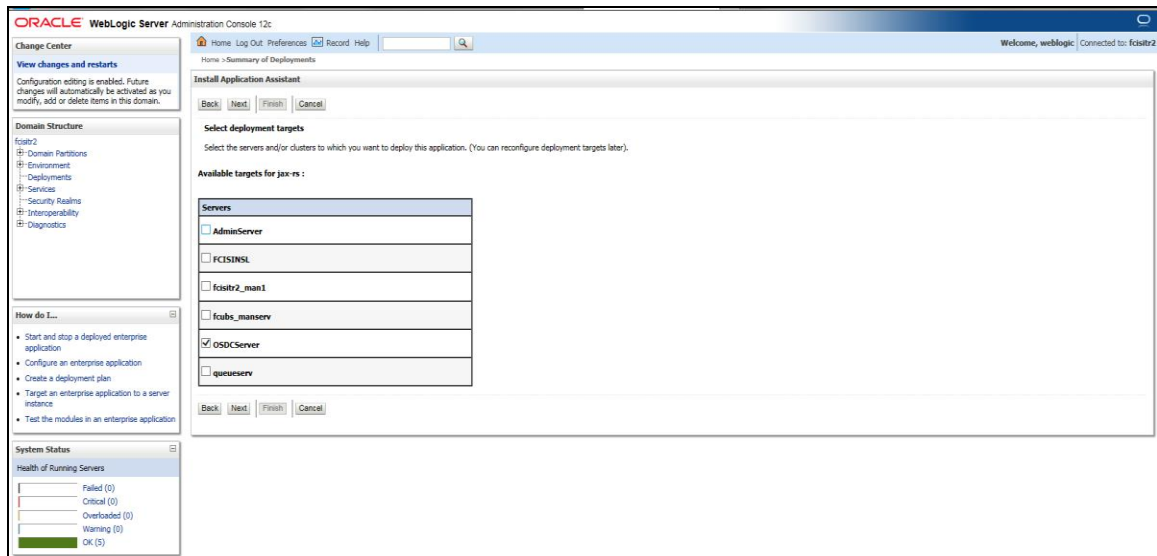
☒ Install this deployment as a library

Select a scope in which you want to install the deployment.

Scope: Global

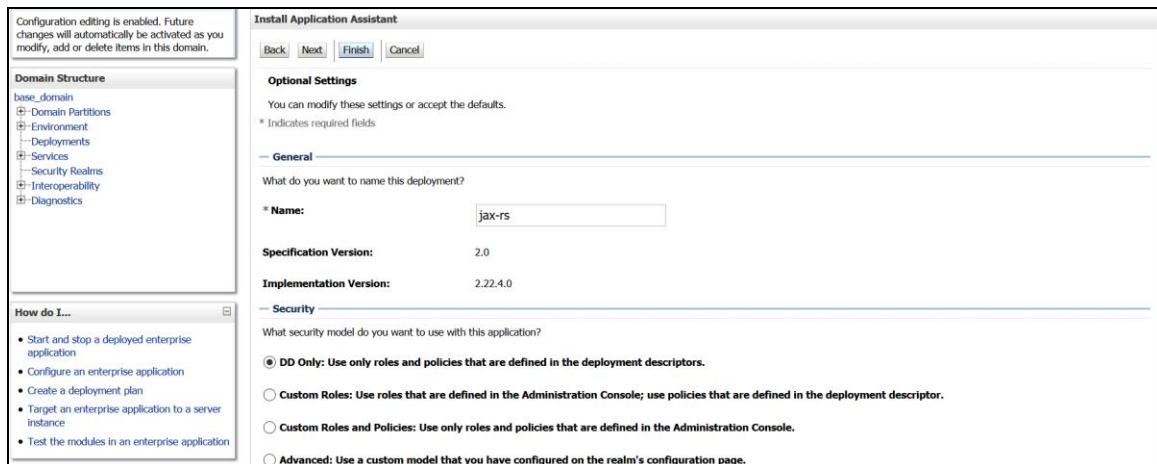
Back Next Finish Cancel

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

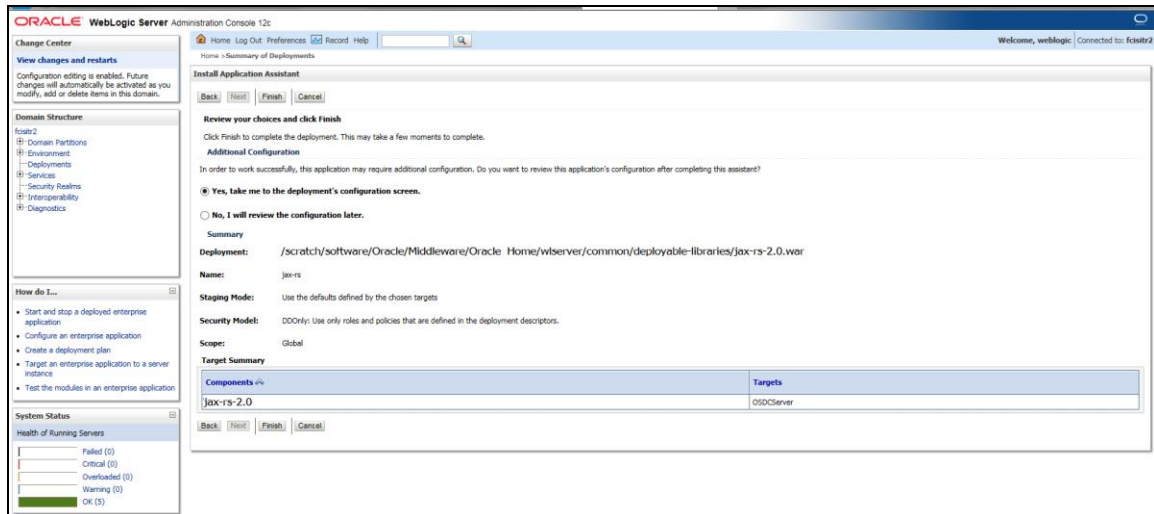


8. Select the target of the application. You can choose the server 'AdminServer' or 'Managed Server(s)'.

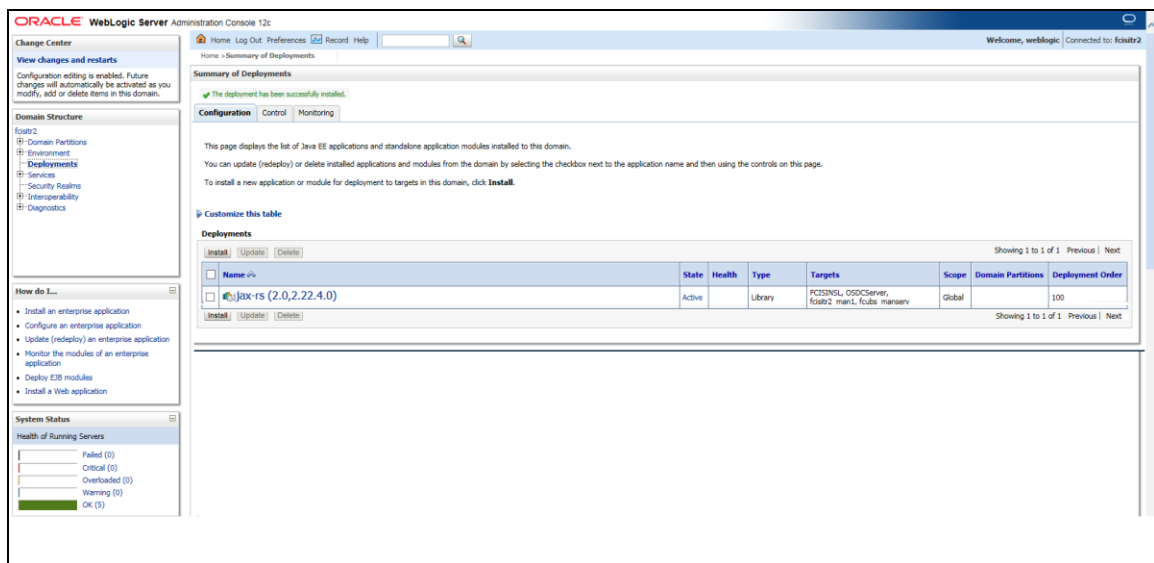
Click of 'Next' the following screen will be displayed.



## 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.

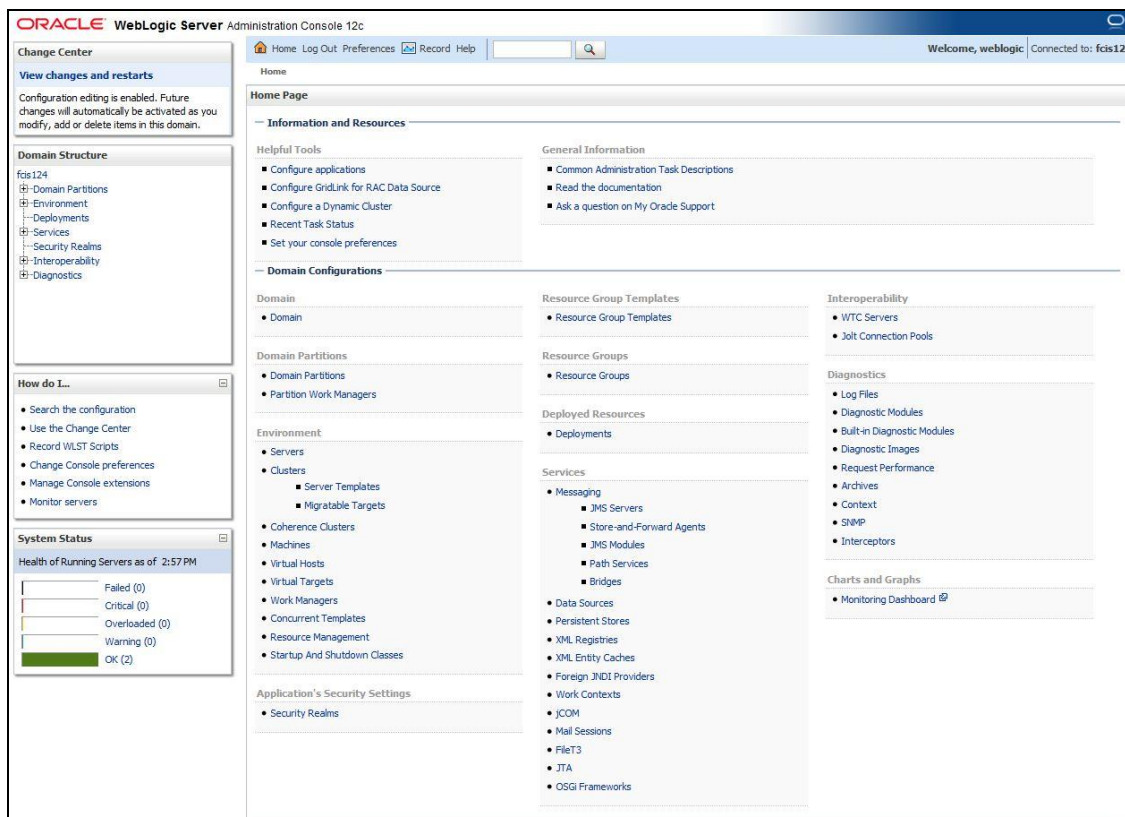
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.  
Eg: <http://10.10.10.10:1001/console>

The following screen is displayed:

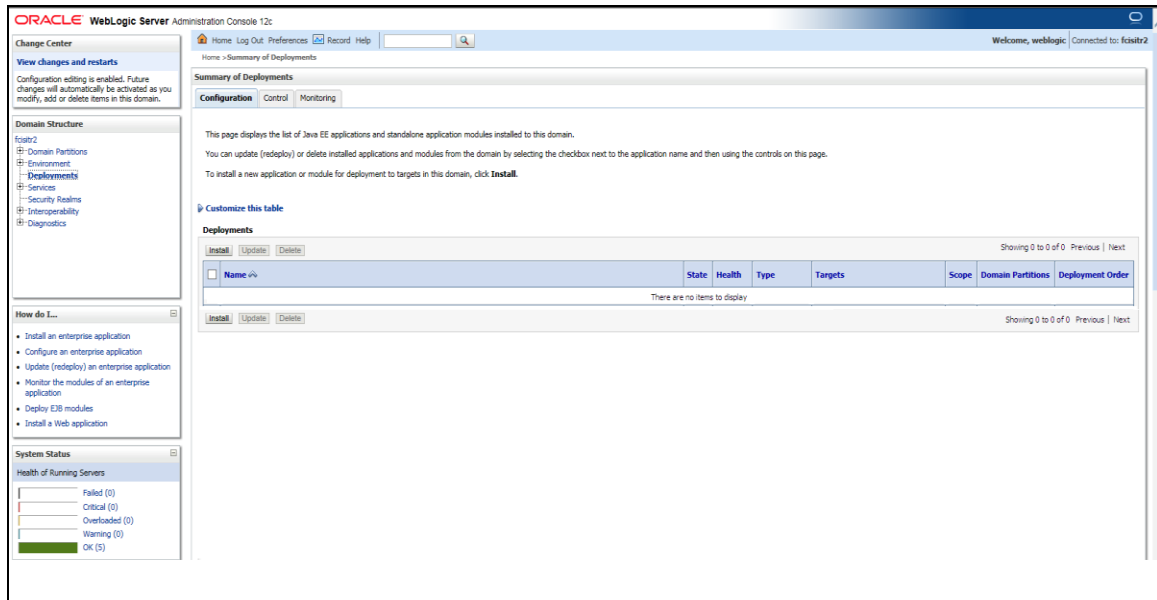


2. Specify the WebLogic administrator user name and password. Click 'Log In'.

The following screen is displayed:

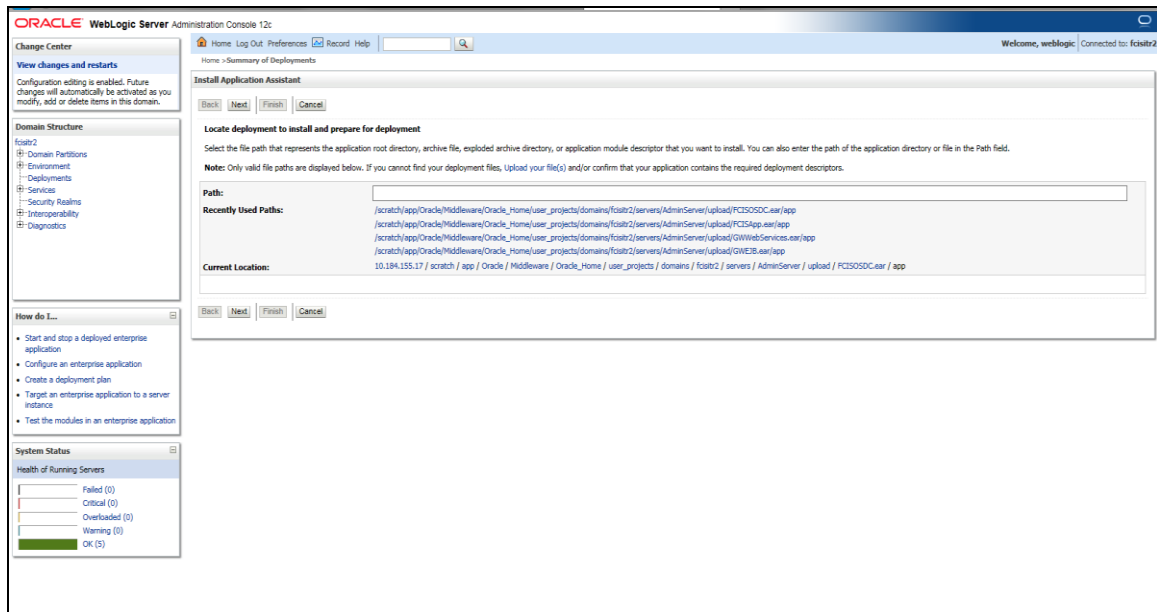


Click 'Deployments' button on the left hand side of the 'Weblogic Server' screen. The following screen is displayed:

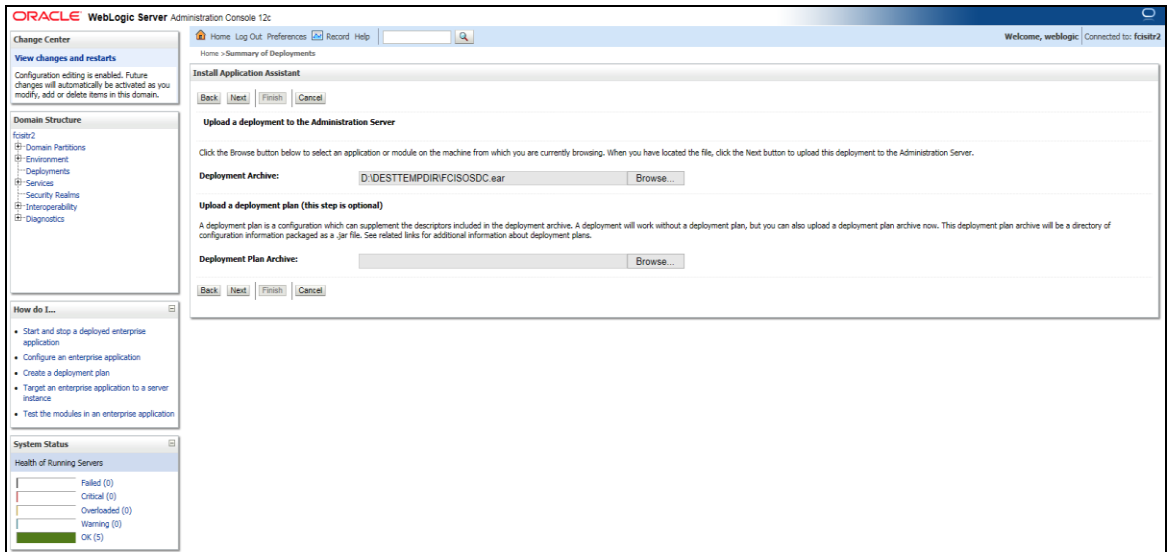


You need to deploy an EAR. For instance, 'FCISApp.ear'. Go to 'Deployment'.

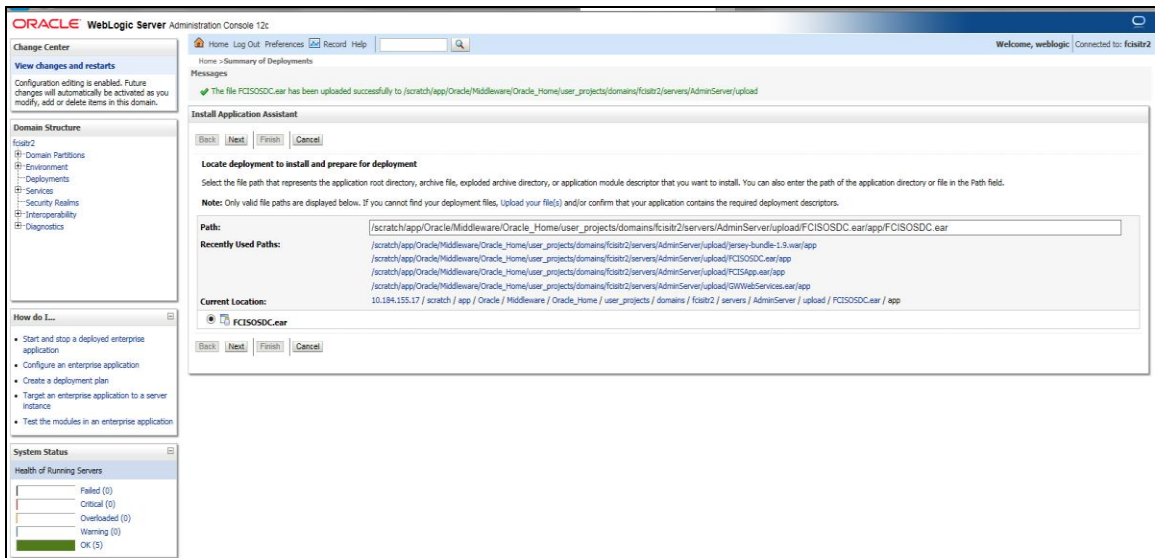
3. Click 'Install' button. The following screen is displayed:



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

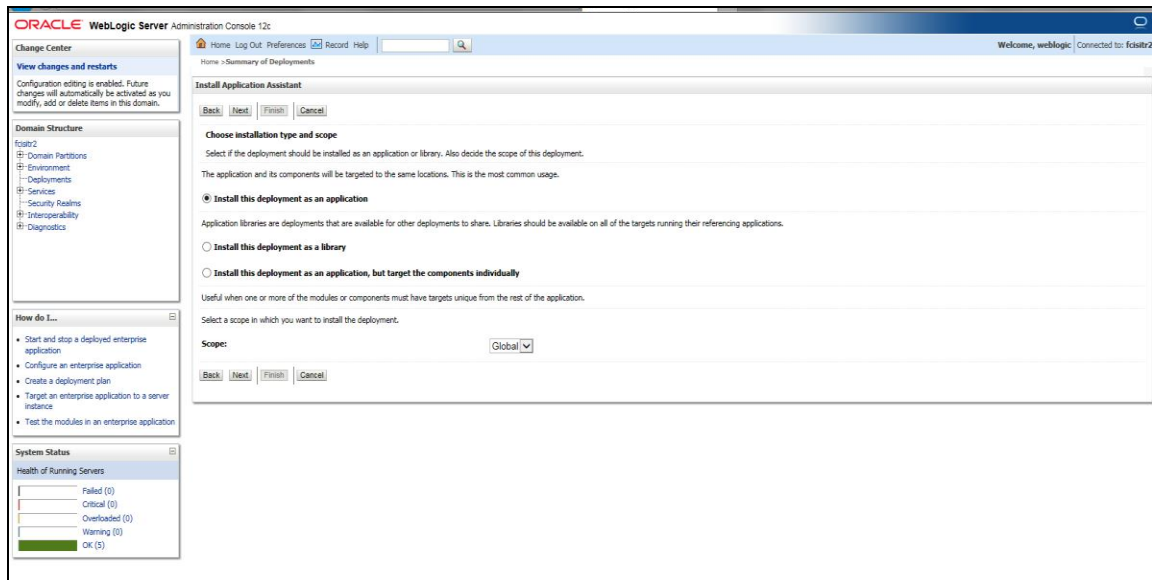


4. Specify the EAR file path. You can use the ‘Browse’ button to locate the file.
5. Click ‘Next’. The following screen is displayed.



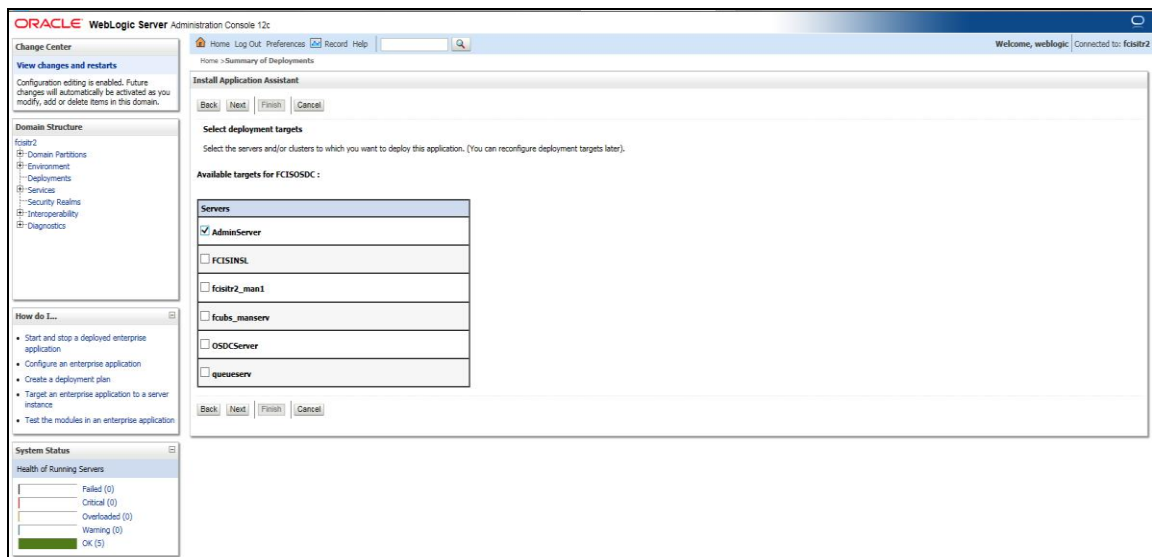
6. Select the application ‘FCISApp.ear’ from the list.

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.

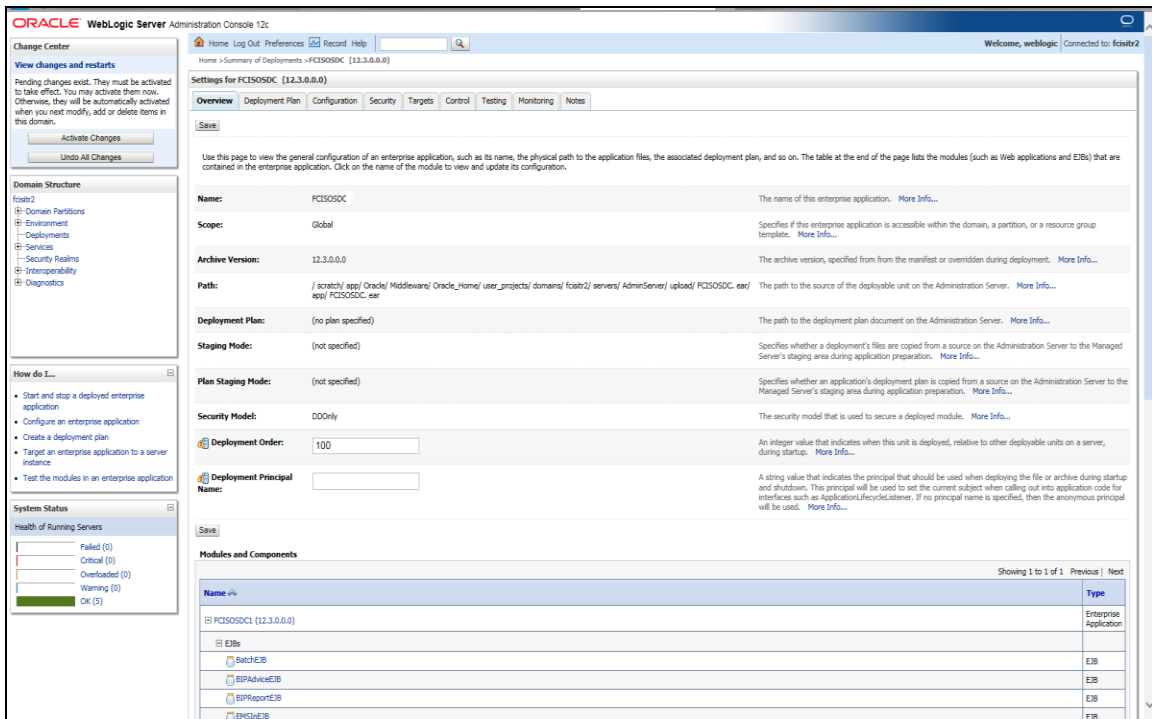
The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' with sections for 'View changes and restarts', 'Domain Structure', 'How do I...', and 'System Status'. The main content area is titled 'Summary of Deployments' and 'Install Application Assistant'. It includes buttons for 'Back', 'Next', 'Finish', and 'Cancel'. The 'Optional Settings' section allows for modifying settings or accepting defaults. The 'General' section includes a 'Name' field with the value 'FCISOSDC', an 'Archive Version' of '12.3.0.0.0', and a 'Deployment Plan Version' field. The 'Security' section asks for a security model, with 'DO Only: Use only roles and policies that are defined in the deployment descriptors' selected. The 'Source Accessibility' section asks how source files should be made accessible, with 'Use the defaults defined by the deployment's targets' selected. A 'Location' field shows the path '/scratch/app/Oracle/Middleware/Oracle\_Home/user\_projects'. The 'Plan Source Accessibility' section asks how plan source files should be made accessible, with 'Use the same accessibility as the application' selected.

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

The screenshot shows the Oracle WebLogic Server Administration Console, specifically the 'Review your choices and click Finish' page. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Summary of Deployments' and 'Install Application Assistant'. It includes buttons for 'Back', 'Next', 'Finish', and 'Cancel'. The 'Review your choices and click Finish' section prompts the user to click 'Finish' to complete the deployment. The 'Additional Configuration' section asks if the user wants to review the application's configuration after completing the assistant, with 'Yes, take me to the deployment's configuration screen' selected. The 'Summary' section displays the deployment details: 'Deployment' path, 'Name' (FCISOSDC), 'Staging Mode' (Use the defaults defined by the chosen targets), 'Plan Staging Mode' (Use the same accessibility as the application), 'Security Model' (DOOnly: Use only roles and policies that are defined in the deployment descriptors), and 'Scope' (Global). The 'Target Summary' table shows the components and targets for the deployment.

Components	Targets
FCISOSDC.ear	AdminServer

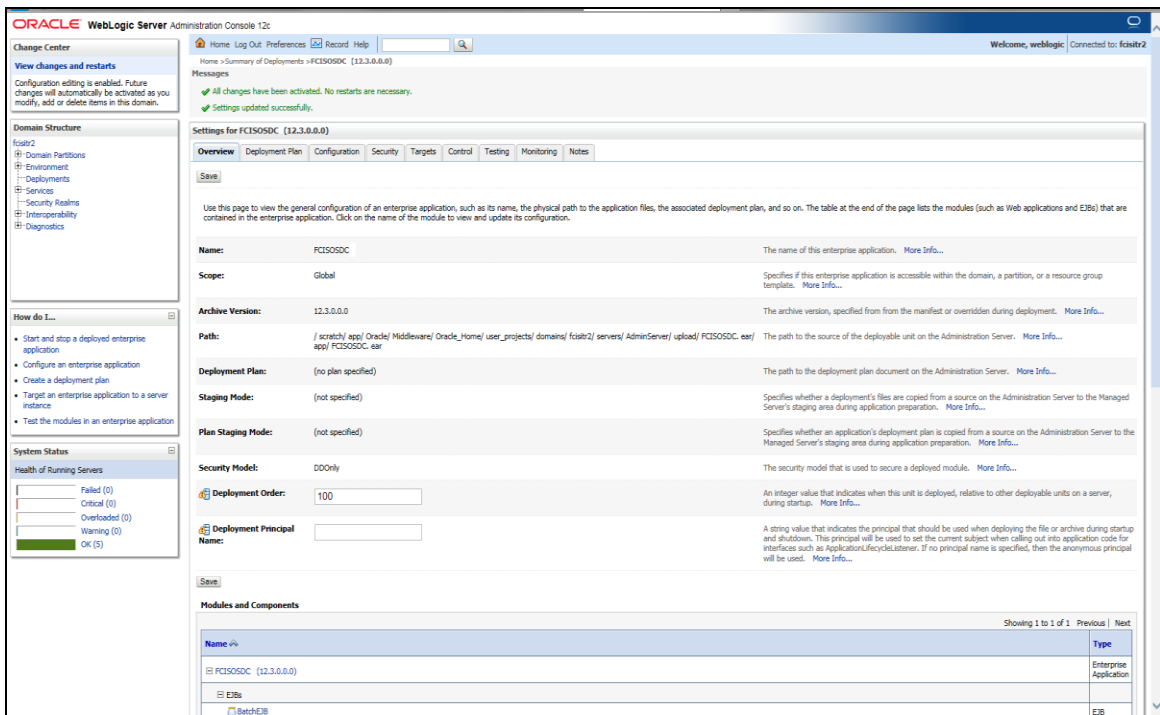
Click 'Finish' button. The following screen is displayed.



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:



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

The screenshot shows the Oracle WebLogic Server Administration Console. The left pane has 'Deployment' selected under 'Domain Structure'. The main area is titled 'Summary of Deployments' and shows a table of deployments. The table has columns: Name, State, Health, Type, Targets, Scope, Domain Partitions, and Deployment Order. One deployment is listed: FCISOSDC (12.3.0.0.0) with State 'Active' and Health 'OK'.

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
FCISOSDC (12.3.0.0.0)	Active	OK	Enterprise Application	OSDCServer	Global		100

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

The screenshot shows the 'Settings for FCISOSDC(12.3.0.0.0)' page in the Oracle WebLogic Server Administration Console. The left pane has 'Deployment' selected. The main area shows various configuration settings for the deployment, including Name, Scope, Archive Version, Path, Deployment Plan, Staging Mode, Plan Staging Mode, Security Model, and Deployment Order. At the bottom, there is a table for 'Modules and Components'.

Name	Type
FCISOSDC (12.3.0.0.0)	Enterprise Application

The screenshot displays the Oracle WebLogic Server Administration Console. The top navigation bar includes the Oracle logo and the text 'WebLogic Server Administration Console 12c'. The main content area is titled 'Settings for FCIS050DC(12.3.0.0.0)'. The 'Start/Stop' tab is selected, showing a list of services and their status. The 'Health of Running Servers' section shows a 'Warning' status for the 'OK (5)' group.

**Oracle WebLogic Server Administration Console 12c**

Home Log Out Preferences [?] Record Help [?]

Welcome, weblogic [?] Connected to: fcisr2

Home > Summary of Deployments > jmxr12.1.1.5 > Summary of Deployments > FCIS050DC(12.3.0.0.0) > Summary of Deployments > FCIS050DC(12.3.0.0.0) > Summary of Deployments > FCIS050DC(12.3.0.0.0) > Summary of Deployments > FCIS050DC(12.3.0.0.0)

**Settings for FCIS050DC(12.3.0.0.0)**

Overview Deployment Plan Configuration Security Targets **Control** Testing Monitoring Notes

**Start/Stop** Initialize Caches

Use this page to start or stop a deployed enterprise application.

**Enterprise Application**

Start Stop

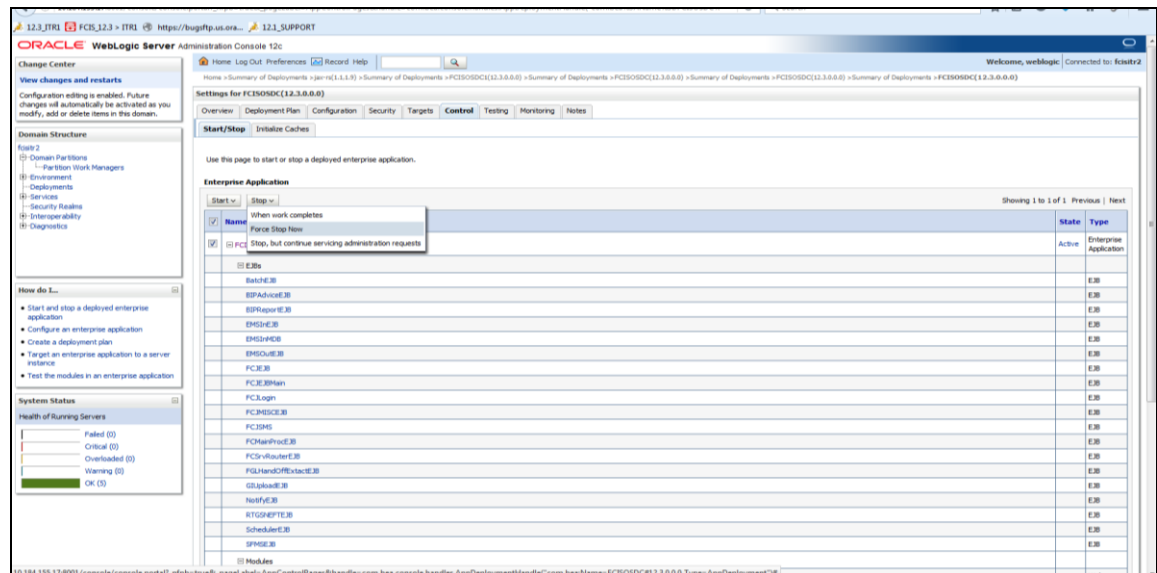
Showing 1 to 1 of 1 Previous Next

State	Type
Active	Enterprise Application

**Health of Running Servers**

Failed (0)  
Critical (0)  
Overloaded (0)  
Warning (0)  
OK (5)

19. The following screen will be displayed.



This completes the deployment process.





Deploying Oracle FLEXCUBE on WebLogic  
[November] [2022]  
Version 14.7.0.0.0

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