

Deploying Oracle FLEXCUBE Investor Servicing Application
on WebLogic
Oracle FLEXCUBE Investor Servicing
Release 14.5.0.0.0
[May] [2021]



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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

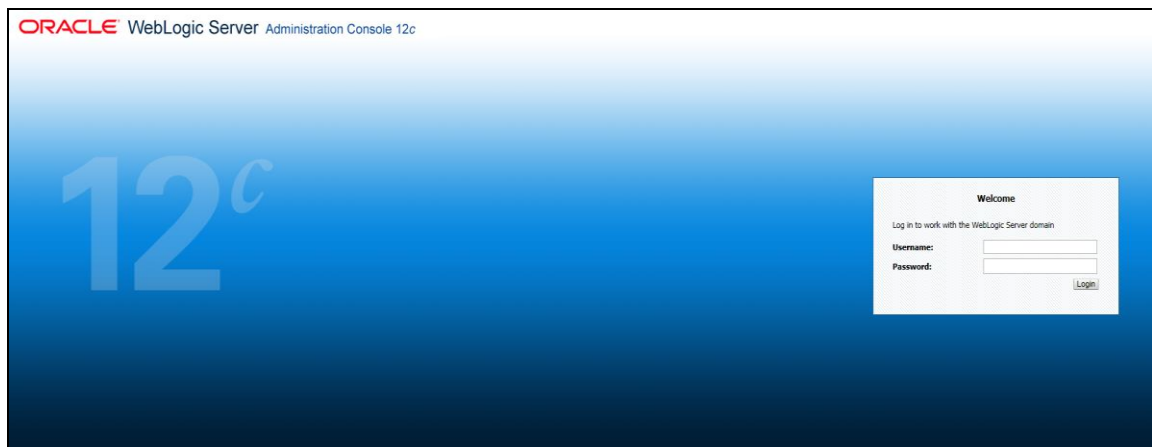
This section explains the method of deploying Oracle FLEXCUBE Investor Servicing Application Oracle WebLogic application server. Before deployment, all the resources mentioned in the document "Resources To be Created" have to be created.

1.3.1 Deploying Dependency Library "Jersey-bundle"

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

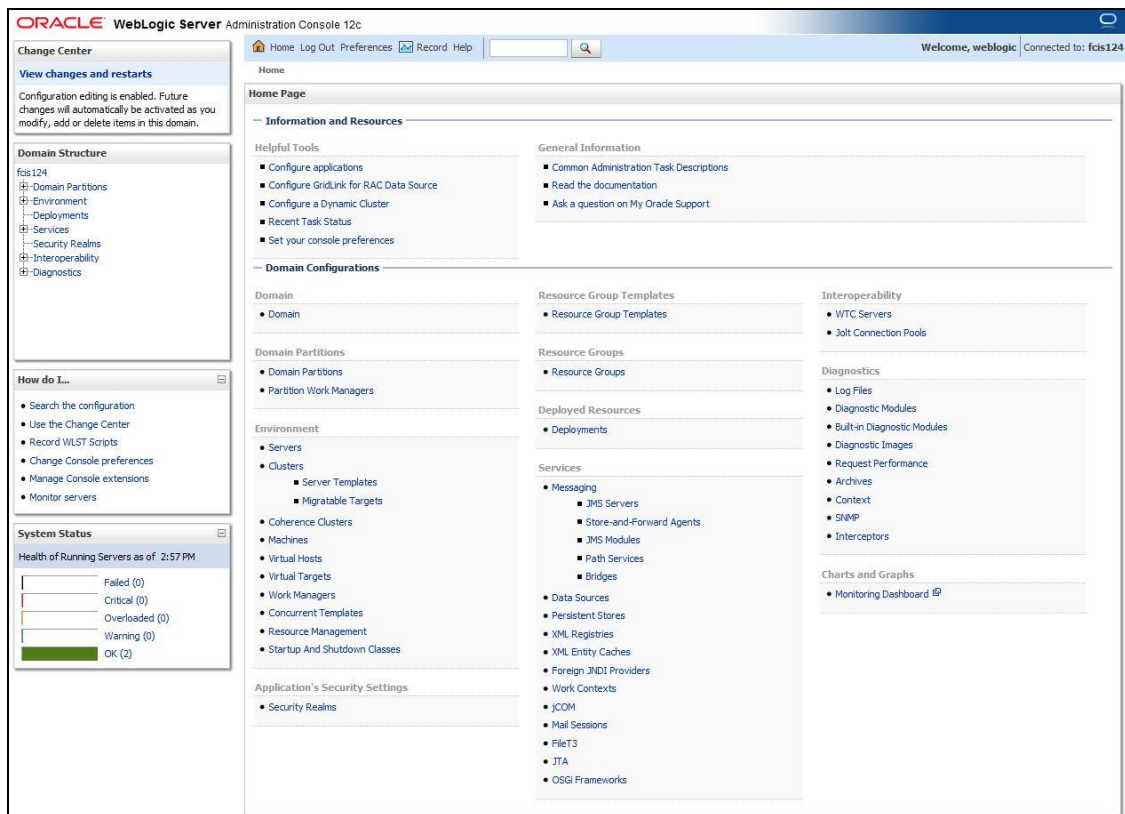
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.
Eg: <http://10.10.10.10:1001/console>

The following screen is displayed:

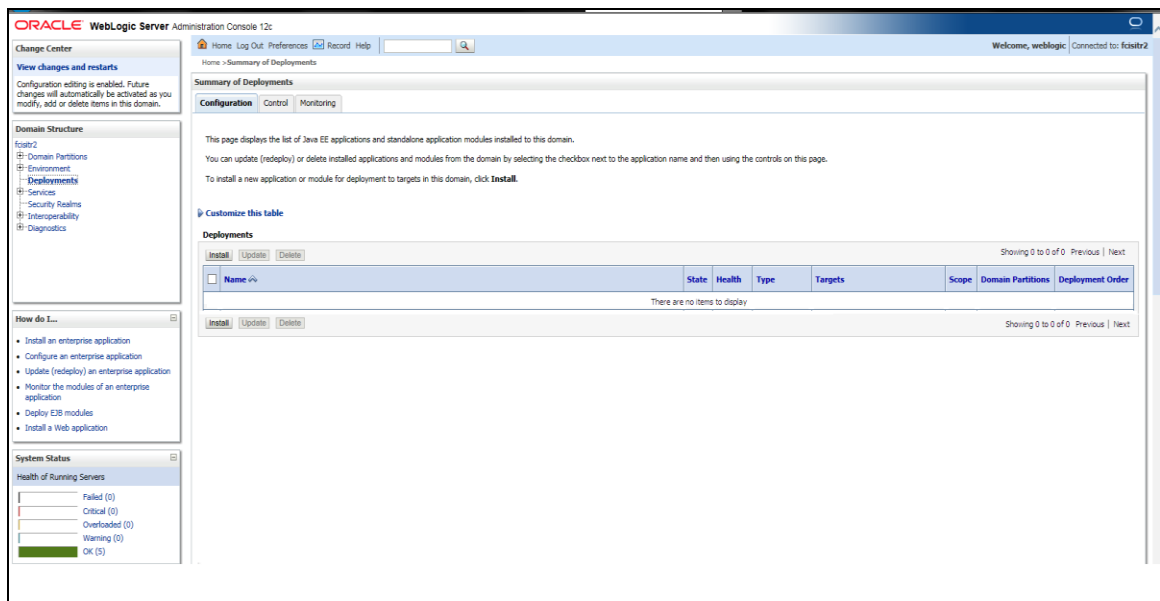


2. Specify the WebLogic administrator user name and password. Click 'Log In'.

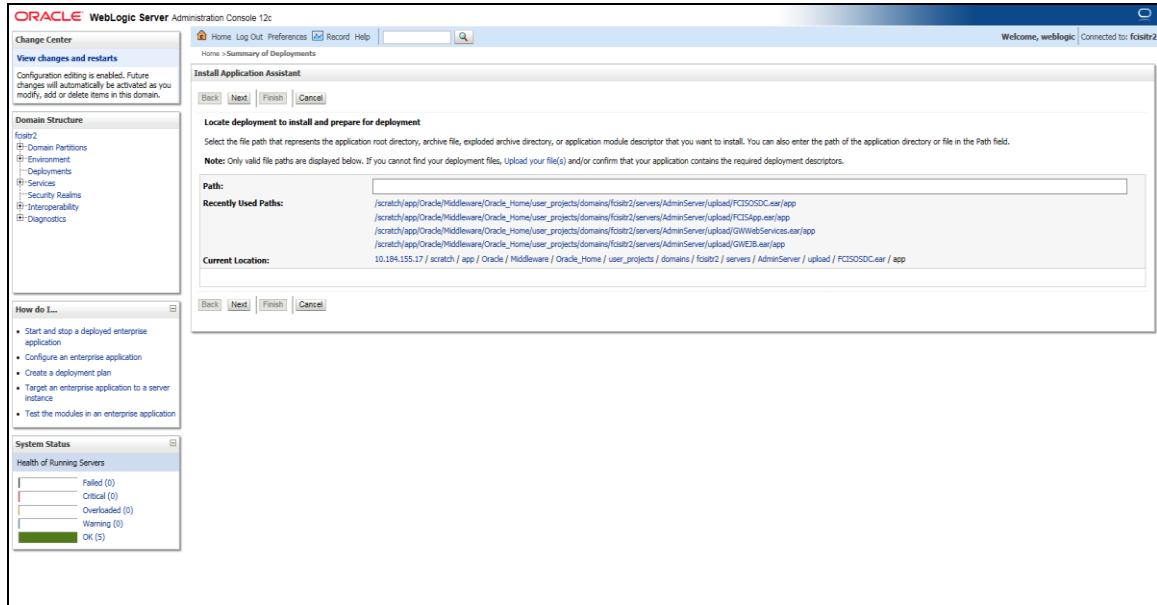
The following screen is displayed:



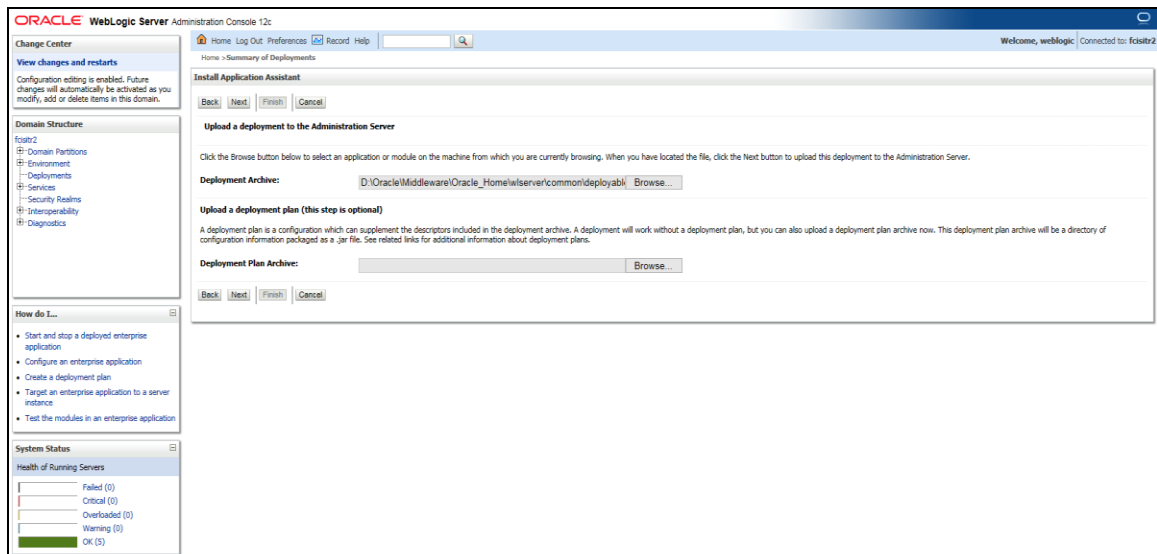
Click 'Deployments' button on the left hand side of the 'Weblogic Server' screen. The following screen is displayed:



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
- /FCISApp124su.ear/app

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.

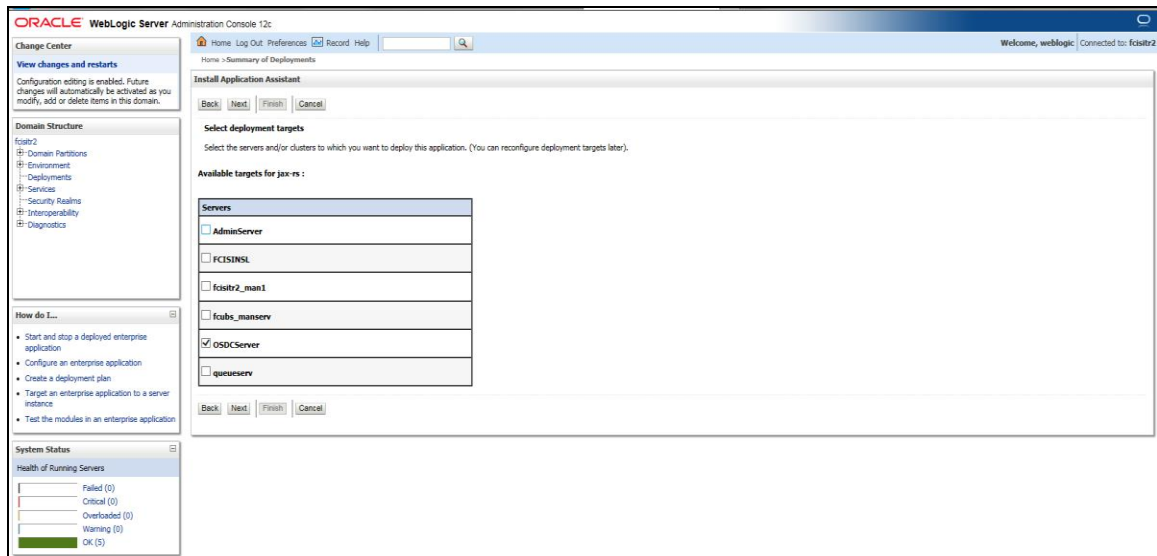
☒ Install this deployment as a library

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

Scope: Global

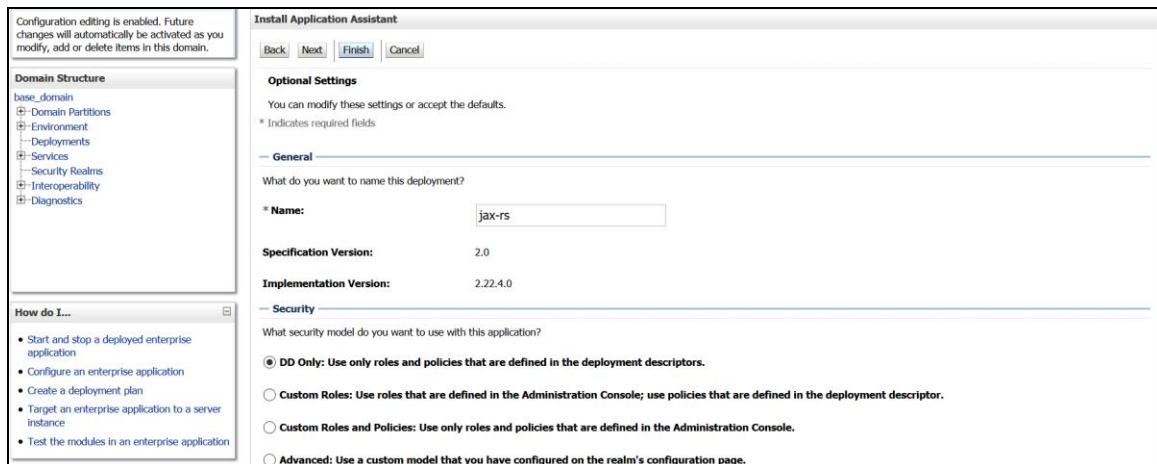
Back Next Finish Cancel

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

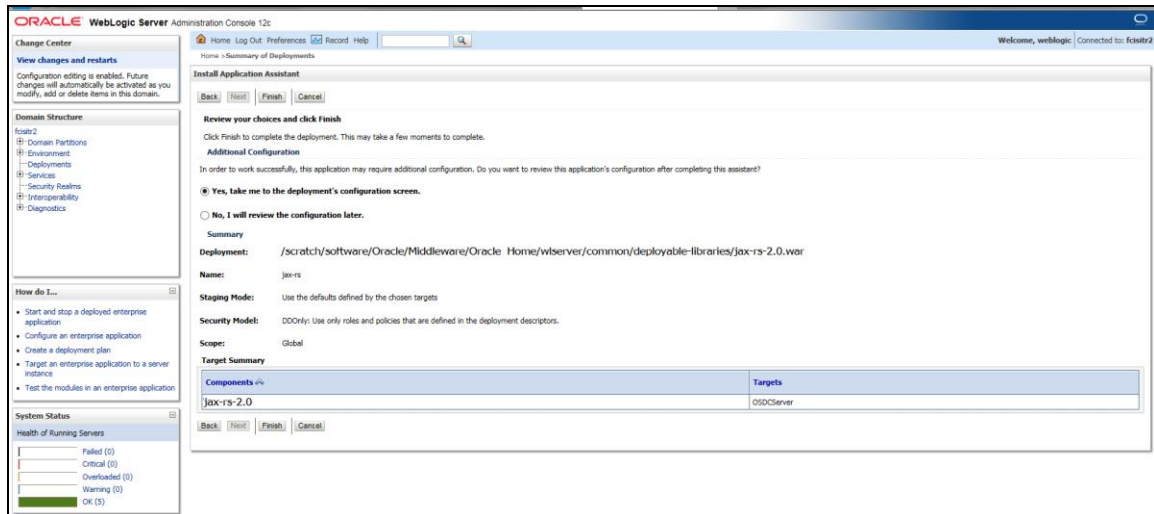


8. Select the target of the application. You can choose the server 'AdminServer' or 'Managed Server(s)'.

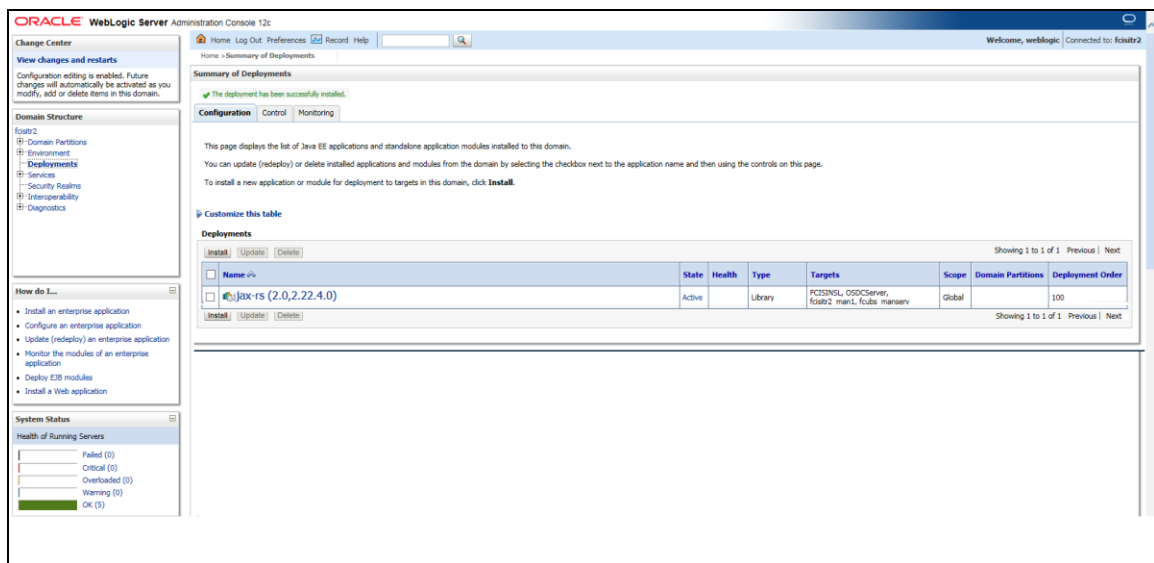
Click of 'Next' the following screen will be displayed.



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.

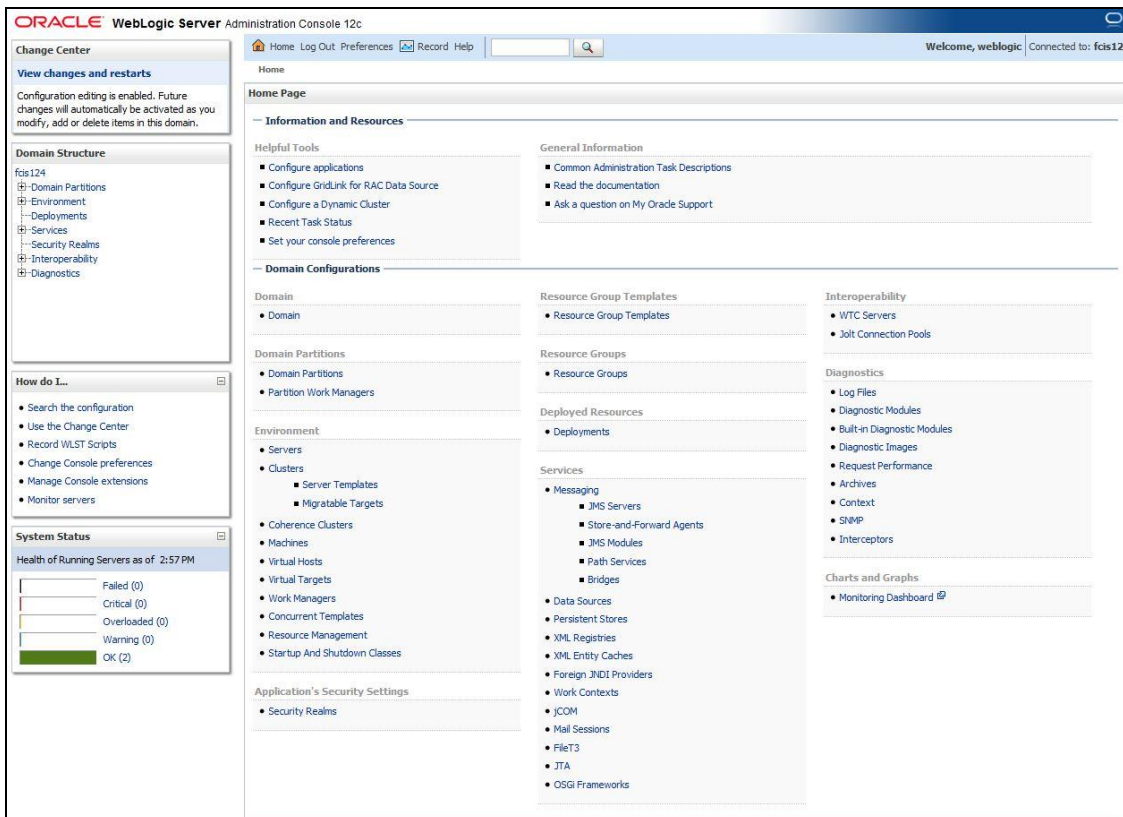
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.
Eg: <http://10.10.10.10:1001/console>

The following screen is displayed:

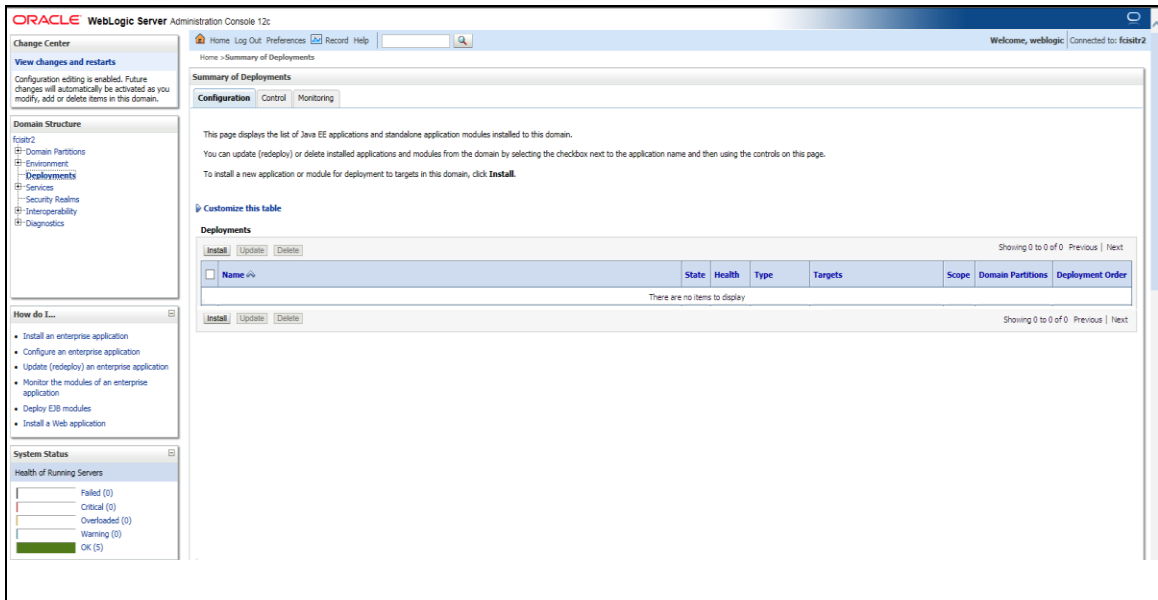


2. Specify the WebLogic administrator user name and password. Click 'Log In'.

The following screen is displayed:

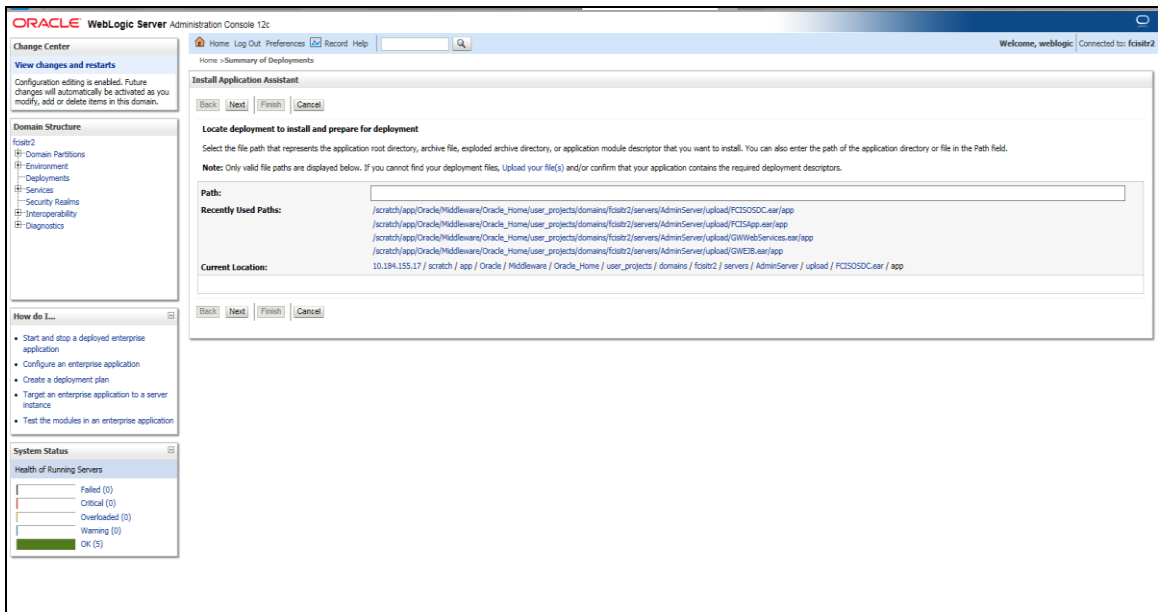


Click 'Deployments' button on the left hand side of the 'Weblogic Server' screen. The following screen is displayed:

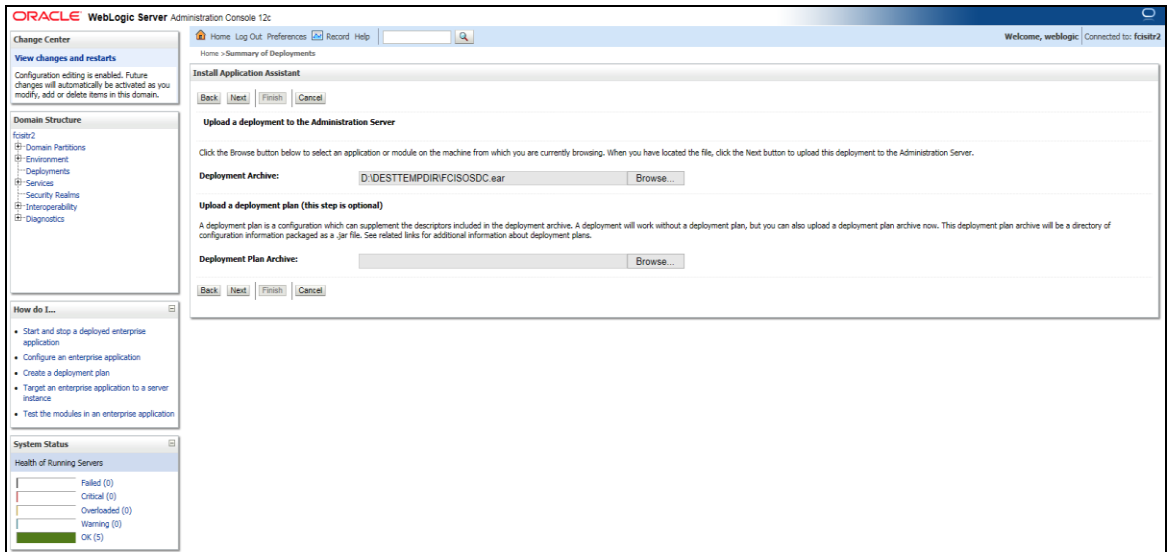


You need to deploy an EAR. For instance, 'FCISApp.ear'. Go to 'Deployment'.

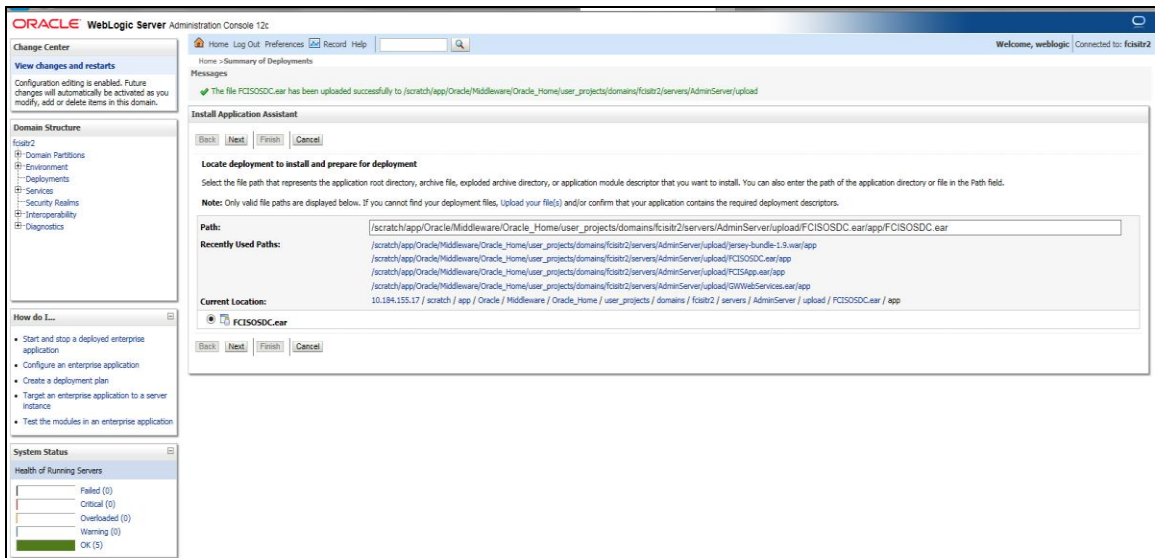
3. Click 'Install' button. The following screen is displayed:



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

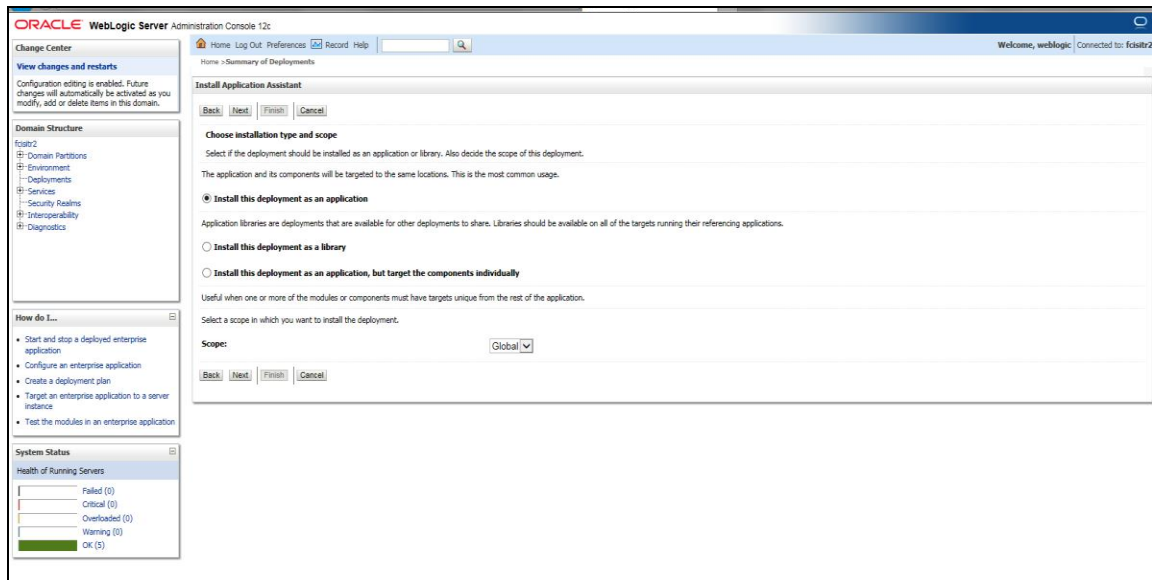


4. Specify the EAR file path. You can use the ‘Browse’ button to locate the file.
5. Click ‘Next’. The following screen is displayed.



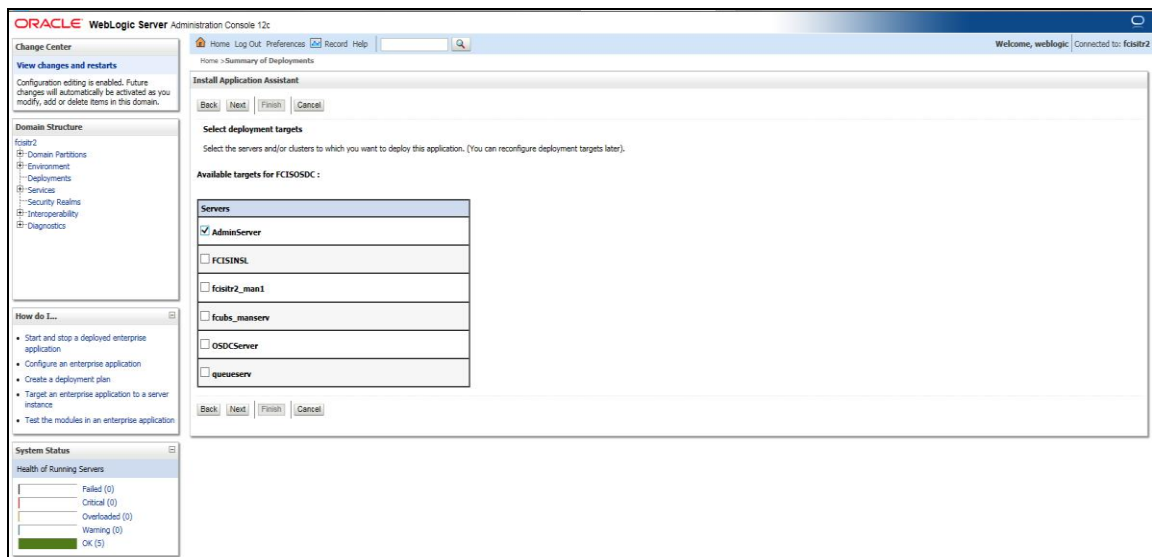
6. Select the application ‘FCISApp.ear’ from the list.

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 links to 'View changes and restarts', 'Domain Structure', 'How do I...', and 'System Status'. The main area is titled 'Summary of Deployments' and contains the 'Install Application Assistant' wizard. The 'Optional Settings' section is active, showing various configuration options. The 'Name' field is set to 'FCISOSDC'. The 'Archive Version' is '12.3.0.0.0'. The 'Deployment Plan Version' is empty. Under 'Security', the 'DDOnly' option is selected. Under 'Source Accessibility', the 'Use the defaults defined by the deployment's targets' option is selected. The 'Location' field is set to '/scratch/app/Oracle/Middleware/Oracle_Home/user_projects'. The 'Plan Source Accessibility' section is also visible.

Optional Settings

You can modify these settings or accept the defaults.
* Indicates required fields

General

What do you want to name this deployment?

* **Name:** FCISOSDC

Archive Version: 12.3.0.0.0

Deployment Plan Version:

Security

What security model do you want to use with this application?

☒ **DD Only:** Use only roles and policies that are defined in the deployment descriptors.

☐ **Custom Roles:** Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.

☐ **Custom Roles and Policies:** Use only roles and policies that are defined in the Administration Console.

☐ **Advanced:** Use a custom model that you have configured on the realm's configuration page.

Source Accessibility

How should the source files be made accessible?

☒ **Use the defaults defined by the deployment's targets**

Recommended selection.

☐ **Copy this application onto every target for me**

During deployment, the files will be copied automatically to the Managed Servers to which the application is targeted.

☐ **I will make the deployment accessible from the following location**

Location: /scratch/app/Oracle/Middleware/Oracle_Home/user_projects

Provide the location from where all targets will access this application's files. This is often a shared directory. You must ensure the application files exist in this location and that each target can reach the location.

Plan Source Accessibility

How should the plan source files be made accessible?

☒ **Use the same accessibility as the application**

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

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar is the same as in the previous screenshot. The main area is titled 'Summary of Deployments' and contains the 'Install Application Assistant' wizard. The 'Review your choices and click Finish' section is active, showing a summary of the deployment configuration. The 'Deployment' field is set to '/scratch/app/Oracle/Middleware/Oracle_Home/user_projects/domains/fcistr2/servers/AdminServer/upload/FCISOSDC.ear/app/FCISOSDC.ear'. The 'Name' field is set to 'FCISOSDC'. The 'Staging Mode' is 'Use the defaults defined by the chosen targets'. The 'Plan Staging Mode' is 'Use the same accessibility as the application'. The 'Security Model' is 'DDOnly: Use only roles and policies that are defined in the deployment descriptors'. The 'Scope' is 'Global'. The 'Target Summary' table shows the components and targets for the deployment.

Review your choices and click Finish

Click Finish to complete the deployment. This may take a few moments to complete.

Additional Configuration

In order to work successfully, this application may require additional configuration. Do you want to review this application's configuration after completing this assistant?

☒ **Yes, take me to the deployment's configuration screen.**

☐ **No, I will review the configuration later.**

Summary

Deployment: /scratch/app/Oracle/Middleware/Oracle_Home/user_projects/domains/fcistr2/servers/AdminServer/upload/FCISOSDC.ear/app/FCISOSDC.ear

Name: FCISOSDC

Staging Mode: Use the defaults defined by the chosen targets

Plan Staging Mode: Use the same accessibility as the application

Security Model: DDOnly: Use only roles and policies that are defined in the deployment descriptors.

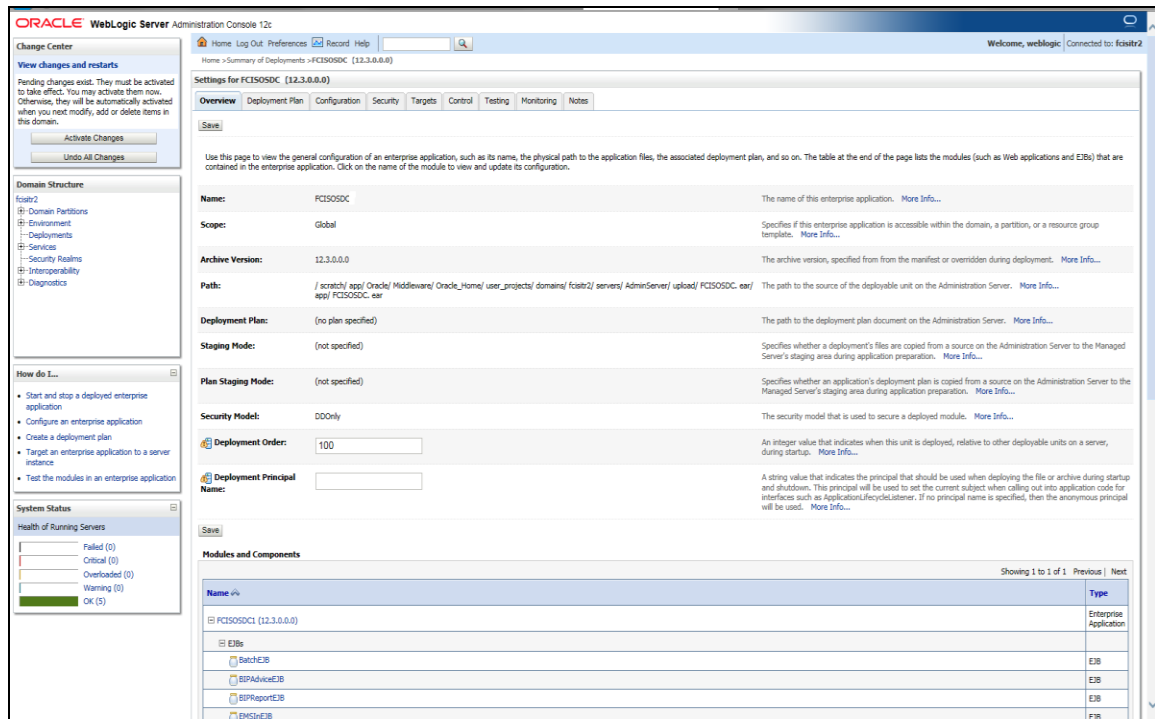
Scope: Global

Target Summary

Components	Targets
FCISOSDC.ear	AdminServer

Back **Next** **Finish** **Cancel**

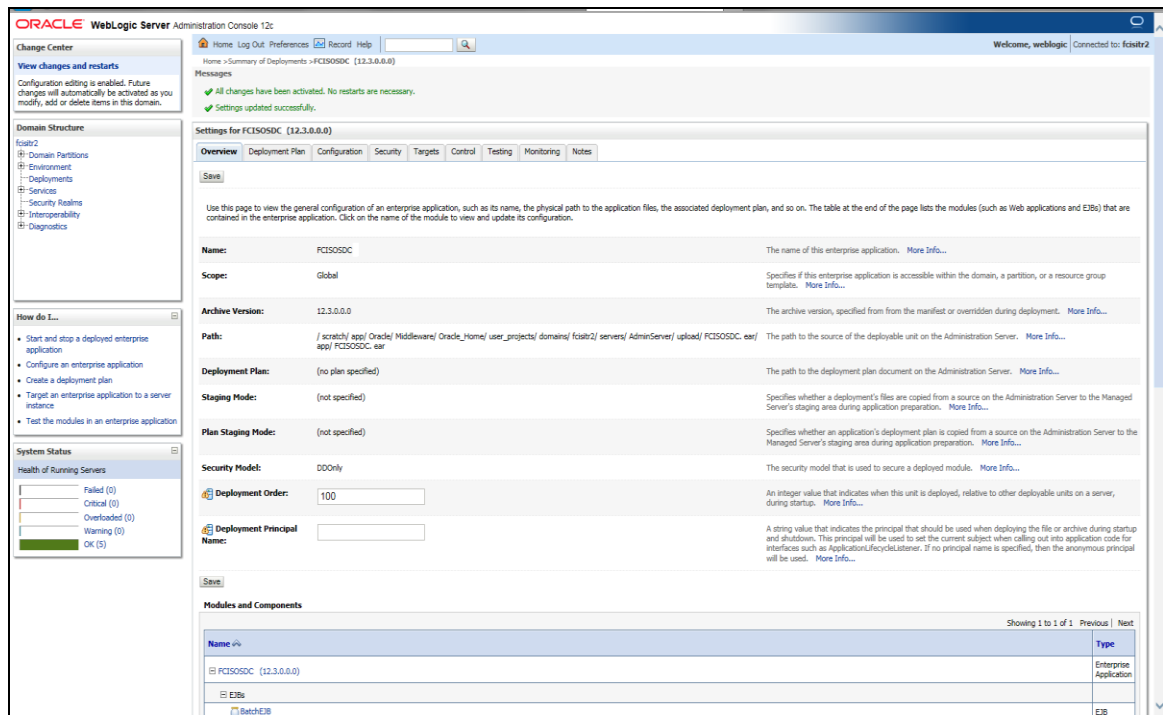
Click 'Finish' button. The following screen is displayed.



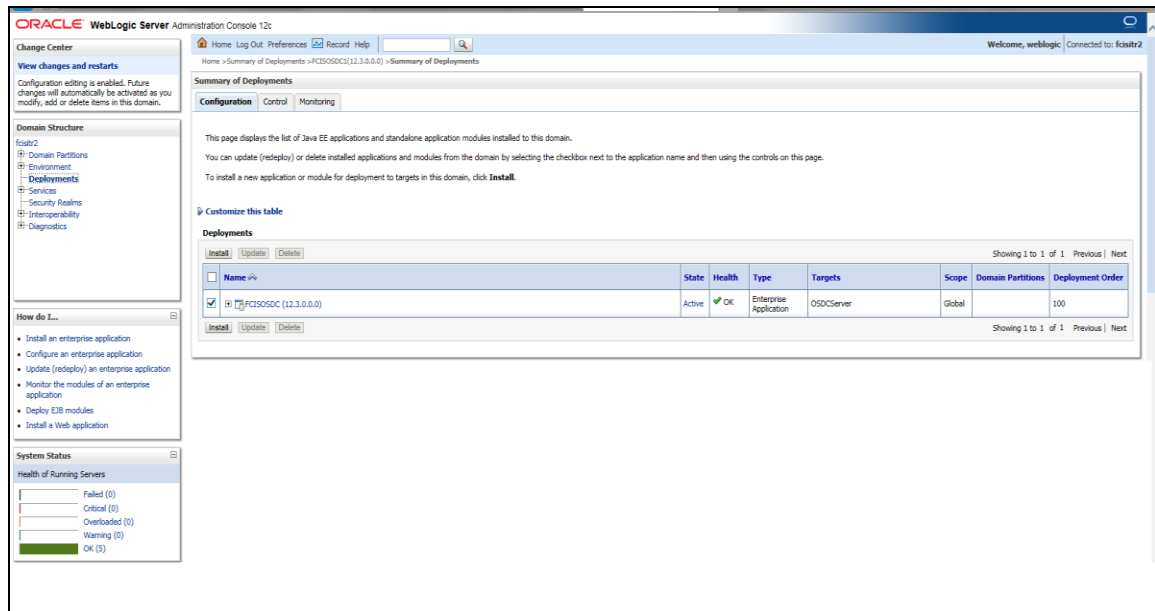
13. Change **Deployment Order** to **400** if the application includes **BPEL plug-in**.

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

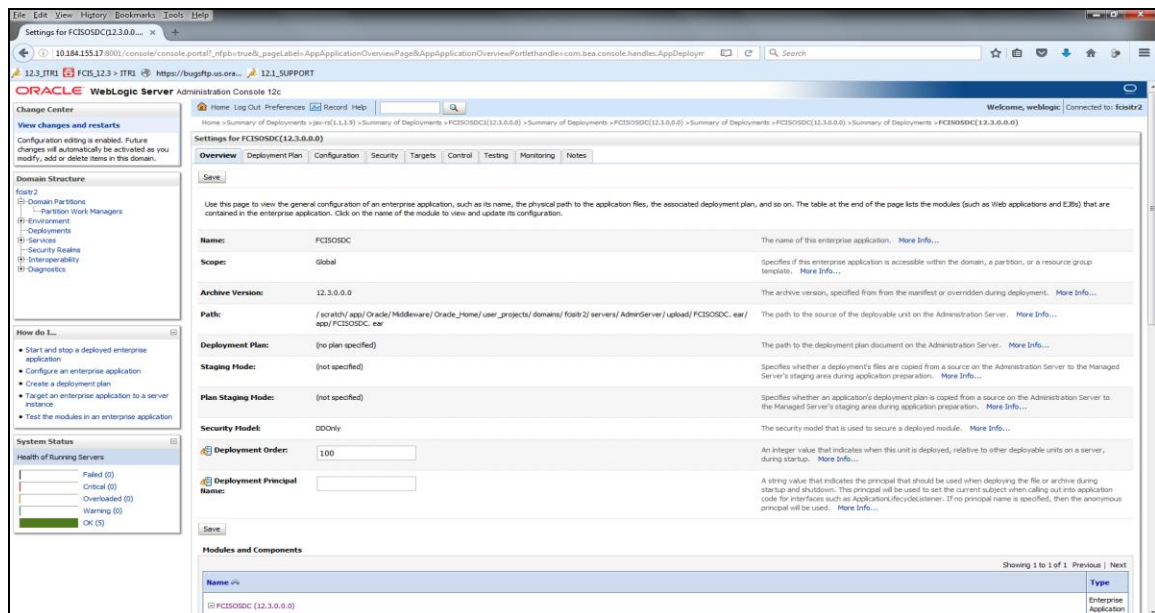
Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed. The screen is given below:



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



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



12.3.JTR1 CFS.12.3 > ITR1 https://bugfix.us.oracle.com/12.3_SUPPORT

ORACLE WebLogic Server Administration Console 12c

Welcome, weblogic Connected to: cfs12r1

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

Tree 2

- [-] Domain Partitions
 - [-] Partition Work Managers
- [-] 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

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

Home > Summary of Deployments > jmr12c11.1.9 > Summary of Deployments > FCS050DC12(3.0.0.0) > Summary of Deployments > FCS050DC12(3.0.0.0) > Summary of Deployments > FCS050DC12(3.0.0.0) > Summary of Deployments > FCS050DC12(3.0.0.0) > Summary of Deployments > FCS050DC12(3.0.0.0)

Settings for FCS050DC12(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

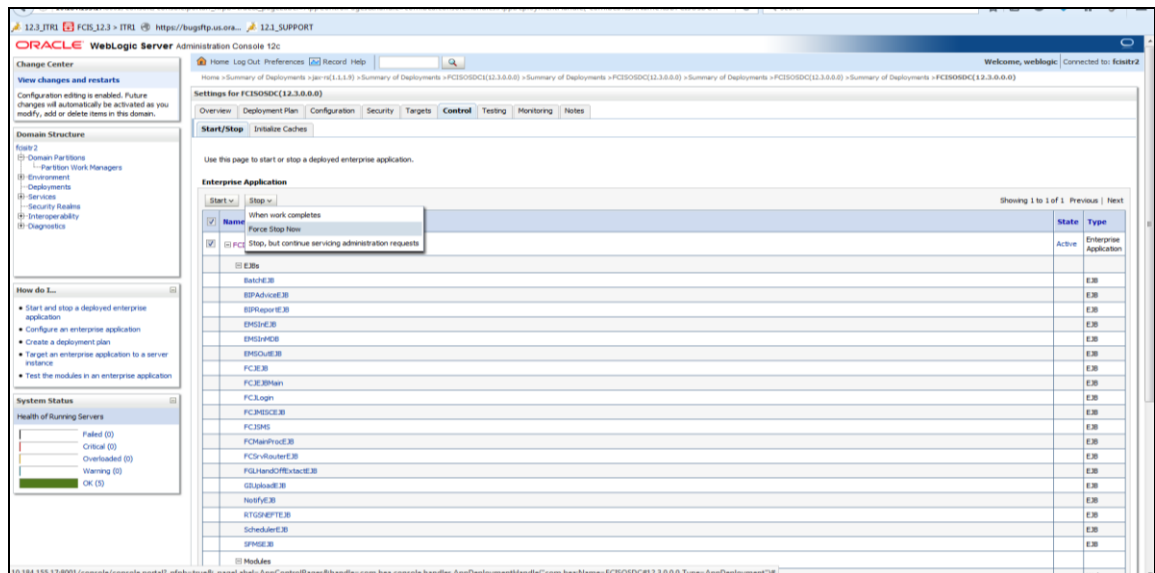
State	Type
Active	Enterprise Application

Enterprise Application

[-] FCS050DC (12.3.0.0.0)

- [-] EJBs
 - BatchEJB
 - BPAdviceEJB
 - BPReportEJB
 - EMSEJB
 - EMSEJB06
 - EMSEJB07
 - FCSEJB
 - FCSEJBPlan
 - FCLogin
 - FCMSEJB
 - FCJMS
 - FCMailProcEJB
 - FCServletEJB
 - FCServletExtEJB
 - GLPJavaEJB
 - NotFlyEJB
 - RTCOMPTEJB
 - ScheduleEJB
 - SFFSEJB
- [-] Modules

19. The following screen will be displayed.



This completes the deployment process.



Deploying Oracle FLEXCUBE on WebLogic
[May] [2021]
Version 14.5.0.0.0

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