

Deploying Oracle FLEXCUBE Investor Servicing
Application on WebLogic
Oracle FLEXCUBE Investor Servicing
Release 14.7.5.0.0
[June] [2024]



Table of Contents

- 1. DEPLOYING ORACLE FLEXCUBE INVESTOR SERVICING ON WEBLOGIC..... 1-1**
 - 1.1 INTRODUCTION 1-1
 - 1.2 BUILDING APPLICATION 1-1
 - 1.3 DEPLOYING APPLICATION IN ORACLE WEBLOGIC 1-1
 - 1.3.1 *Deploying Dependency Library “Jersey-bundle”* 1-1
 - 1.3.2 *Deploying Application from WebLogic Administration Console*..... 1-7

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

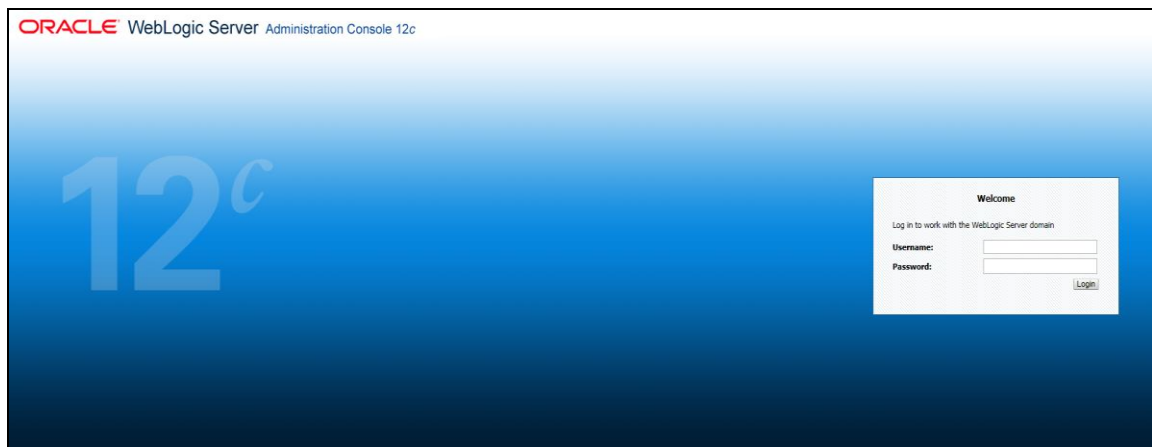
This section explains the method of deploying Oracle FLEXCUBE Investor Servicing Application Oracle WebLogic application server. Before deployment, all the resources mentioned in the document "Resources To be Created" have to be created.

1.3.1 Deploying Dependency Library "Jersey-bundle"

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

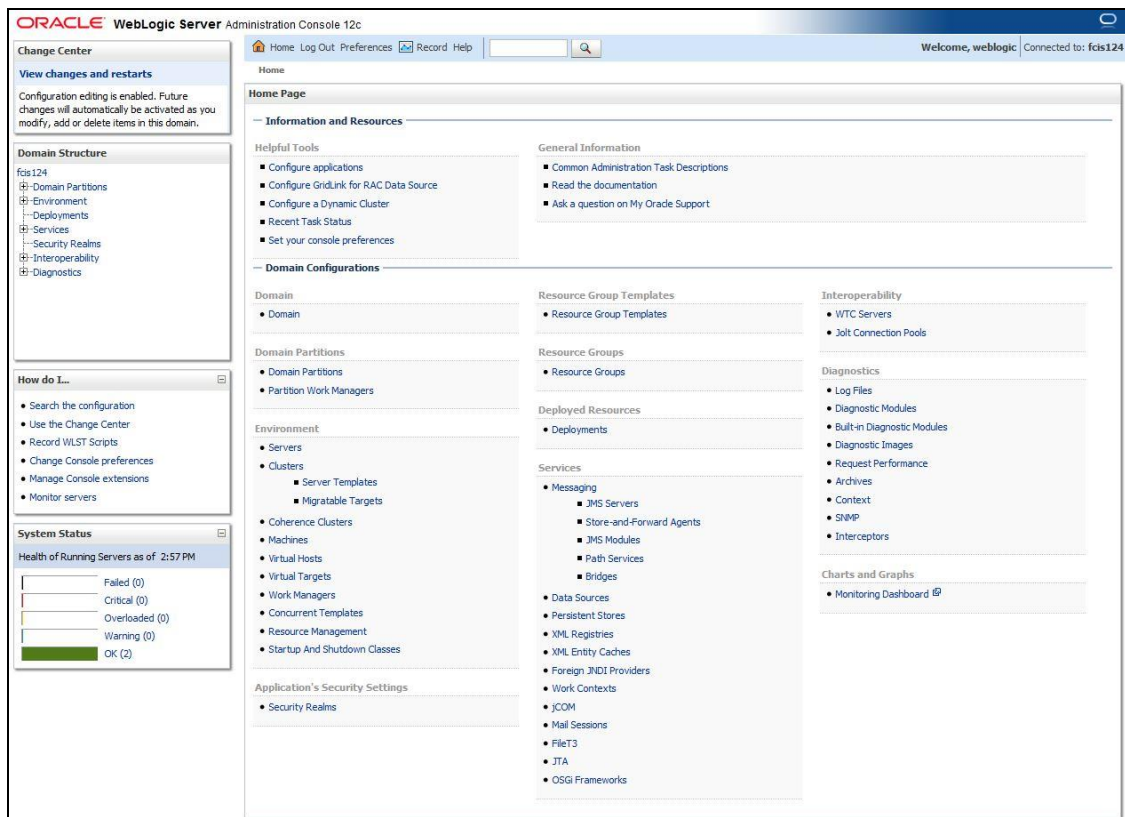
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.
Eg: <http://10.10.10.10:1001/console>

The following screen is displayed:

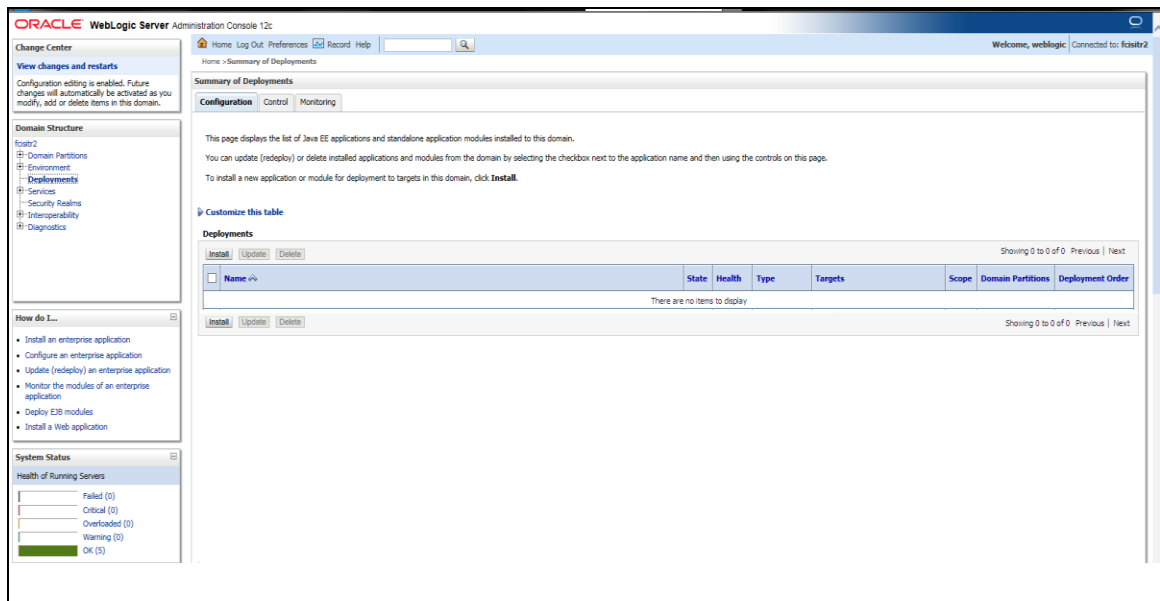


2. Specify the WebLogic administrator user name and password. Click 'Log In'.

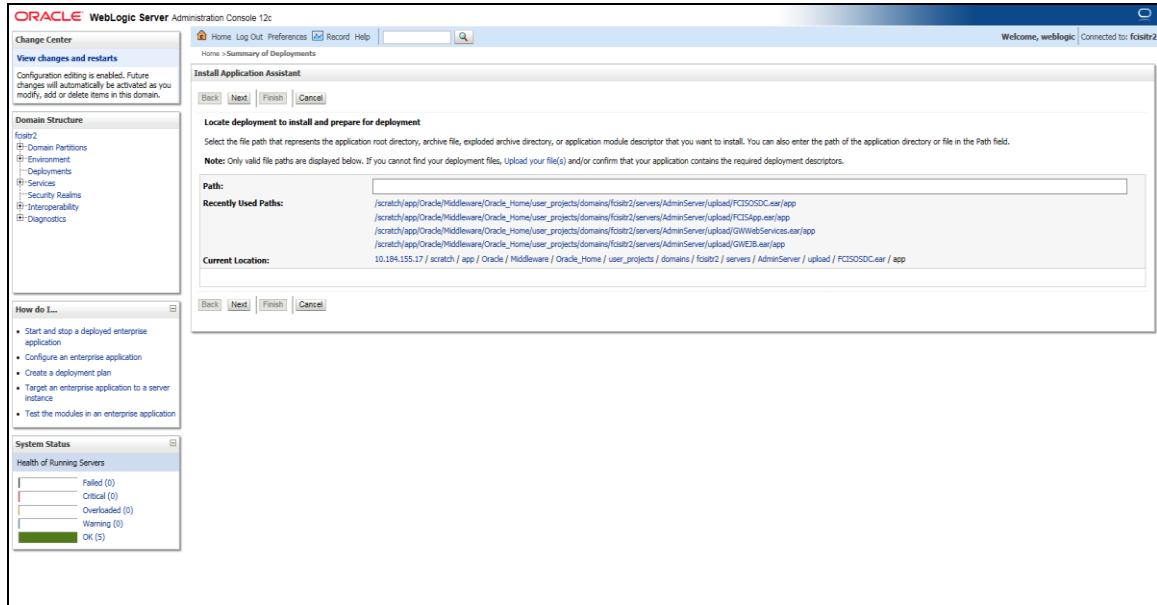
The following screen is displayed:



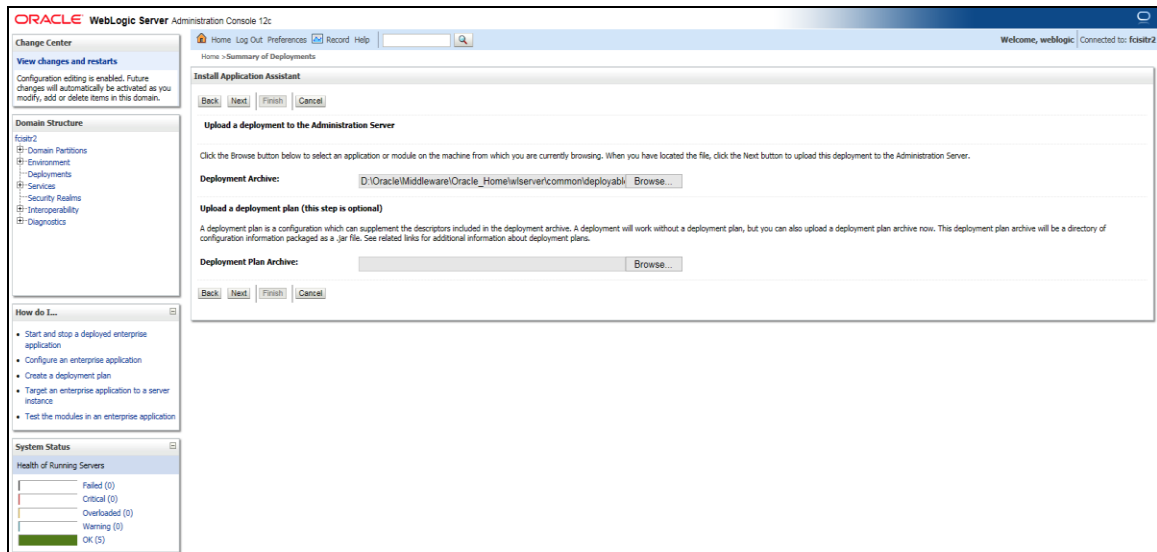
Click 'Deployments' button on the left hand side of the 'Weblogic Server' screen. The following screen is displayed:



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)'.



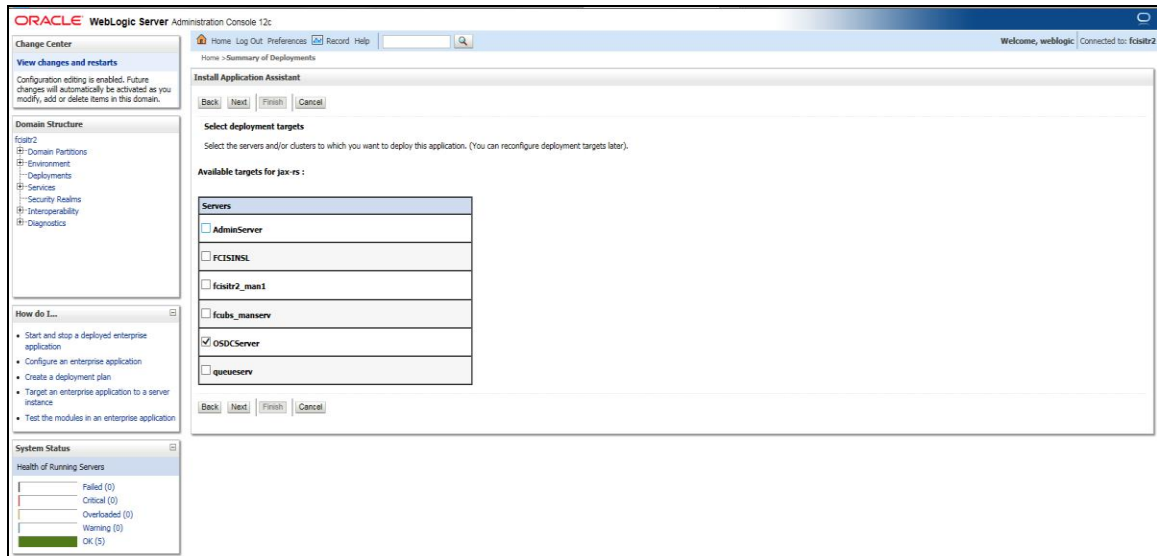
5. Click Browse in Deployment Archive and select jersey bundle under the path “*wlserver\common\deployable-libraries\jax-rs-x.x.war*” and click next.

The screenshot shows the 'Install Application Assistant' dialog box. On the left, there is a sidebar with '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), and 'System Status' (Health of Running Servers as of 1:25 PM). The main area is titled 'Install Application Assistant' and has 'Back', 'Next', 'Finish', and 'Cancel' buttons. Below the title is the section 'Locate deployment to install and prepare for deployment'. It contains instructions: '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.' and a note: '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.' The 'Path:' field contains '/scratch/software/Oracle/Middleware/Oracle_Home/wlserver/common/deployable-libraries/jax-rs-2.0.war'. Below it, 'Recently Used Paths:' lists several paths. The 'Current Location:' is 'whf00csk / scratch / software / Oracle / Middleware / Oracle_Home / wlserver / common / deployable-libraries'. A list of files is shown with radio buttons: 'active-cache_1.0.jar', 'jax-rs-2.0.war' (selected), 'jsf-1.2.war', 'jsf-2.0.war', 'jsr311-api-1.1.1.war', 'jstl-1.2.war', 'pubsub-1.0.war', and 'weblogic-sca-1.2.war'. At the bottom are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

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

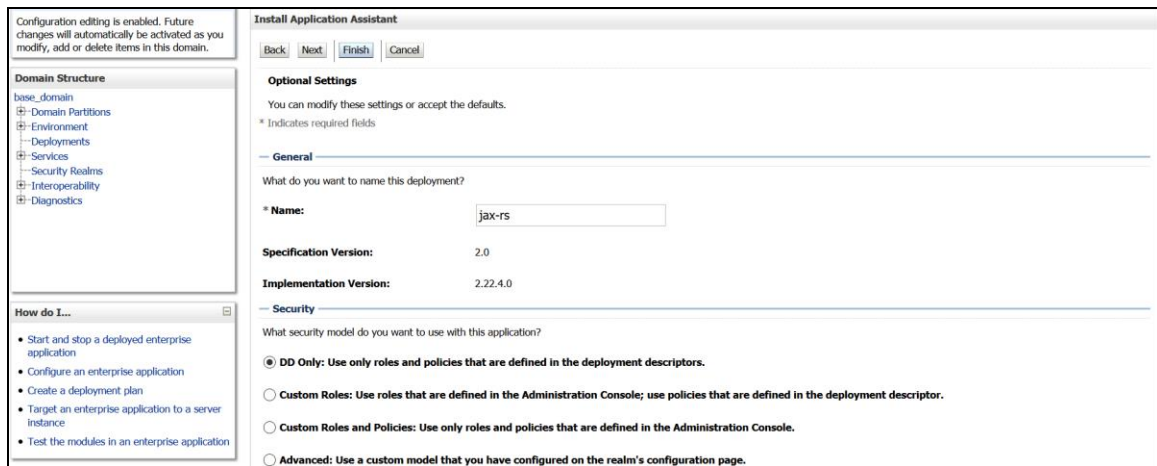
The screenshot shows the 'Install Application Assistant' dialog box at the 'Choose installation type and scope' step. The sidebar is the same as in the previous screenshot. The main area is titled 'Install Application Assistant' and has 'Back', 'Next', 'Finish', and 'Cancel' buttons. Below the title is the section 'Choose installation type and scope'. It contains instructions: '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.' There are two radio buttons: 'Install this deployment as an application' and 'Install this deployment as a library' (selected). Below the radio buttons is the text: '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.' Below this is the text: 'Select a scope in which you want to install the deployment.' and a 'Scope:' dropdown menu set to 'Global'. At the bottom are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

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

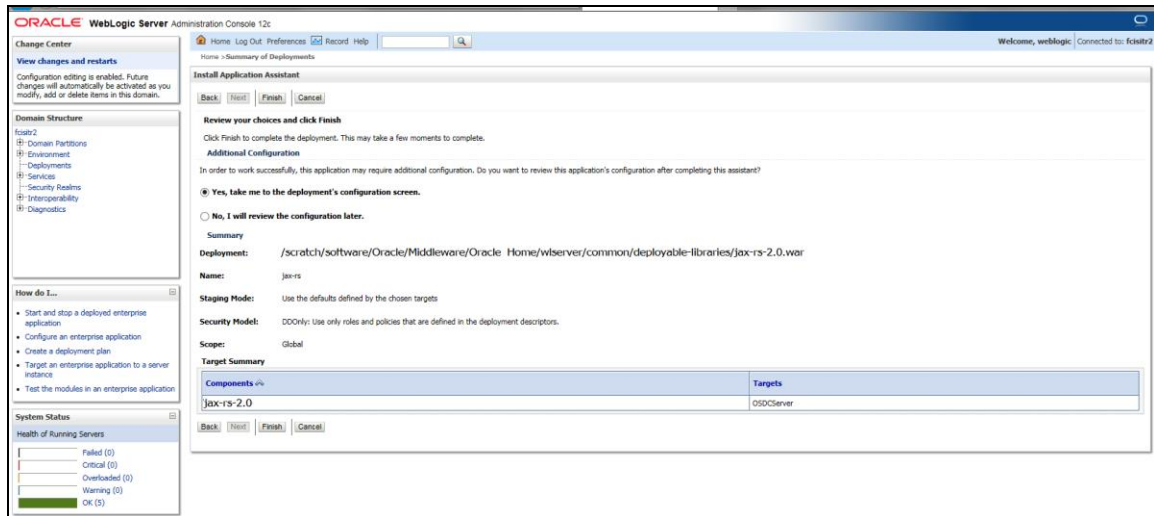


8. Select the target of the application. You can choose the server 'AdminServer' or 'Managed Server(s)'.

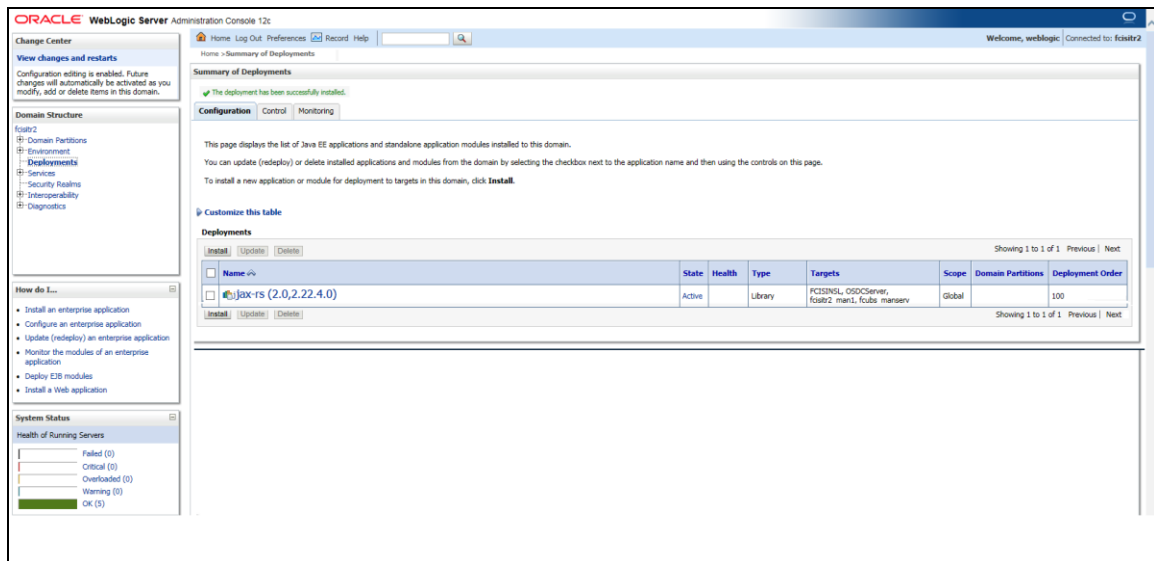
Click of 'Next' the following screen will be displayed.



9. Click Next



10. Click Finish button



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

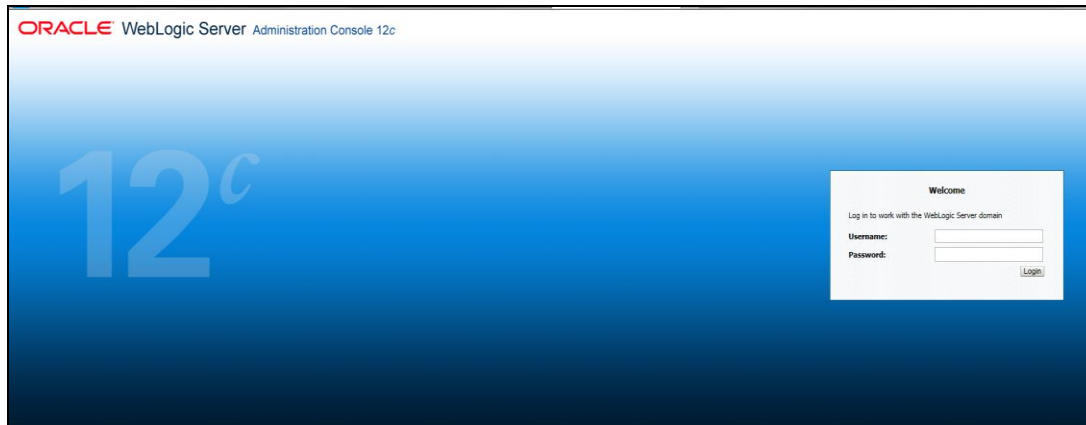
Note :- latest jax-rs version will be jax-rs(2.0,2.22.4.0)

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.

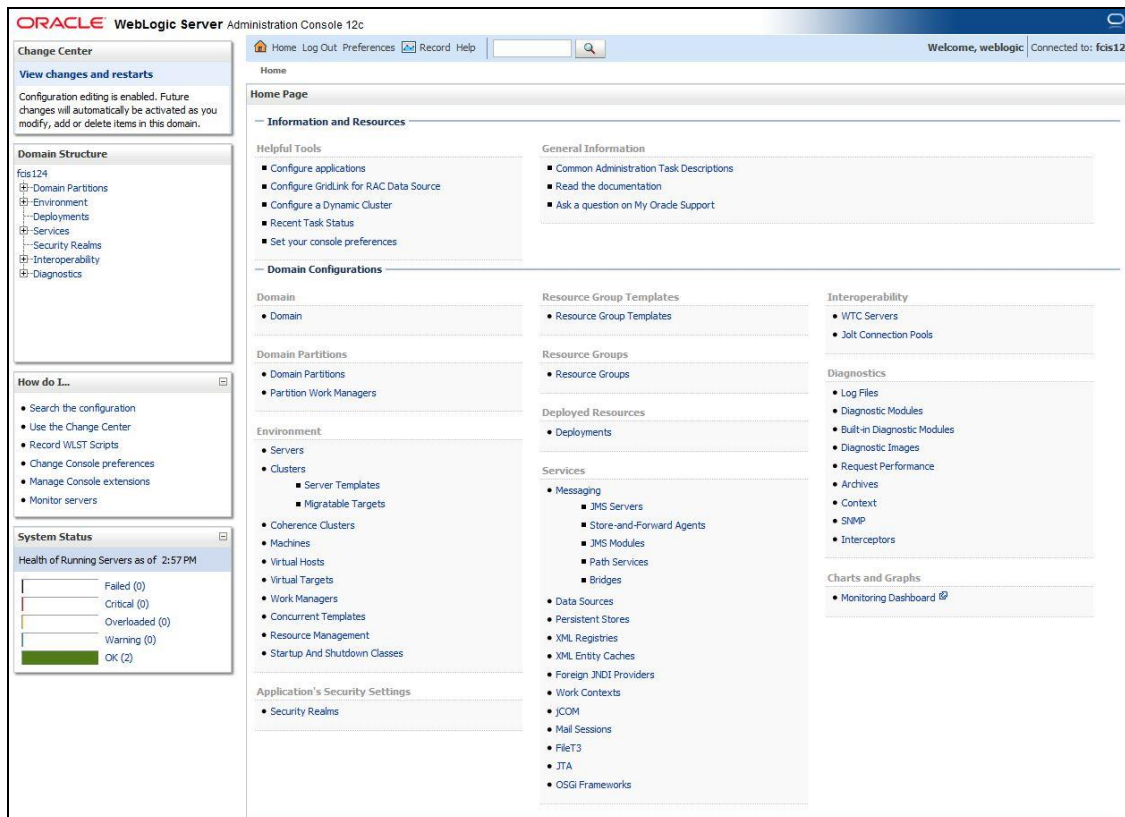
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.
Eg: <http://10.10.10.10:1001/console>

The following screen is displayed:

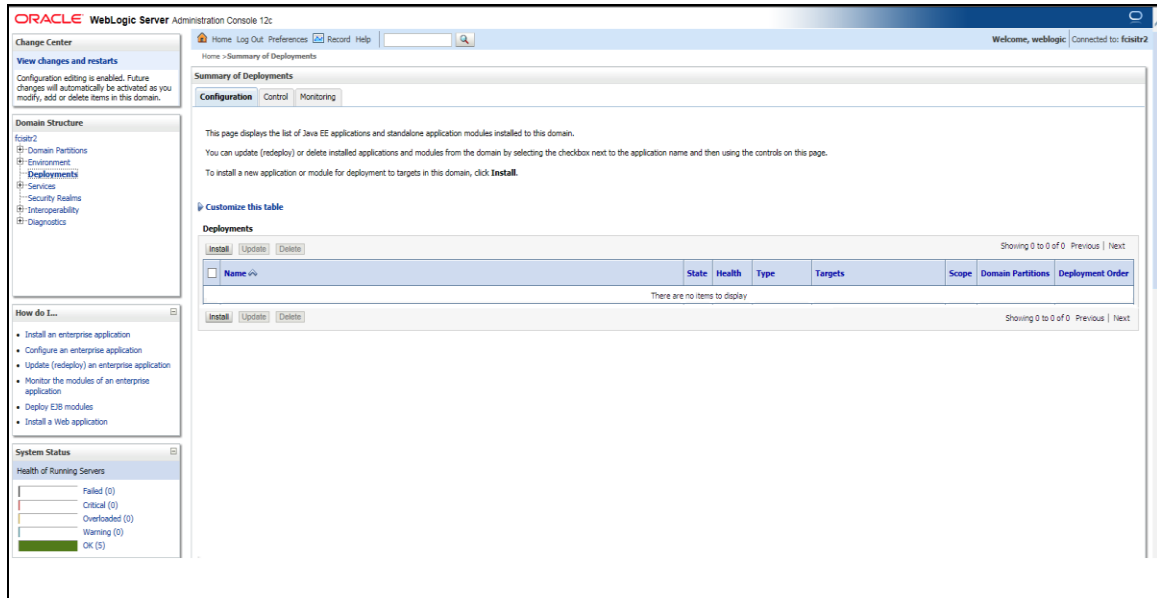


2. Specify the WebLogic administrator user name and password. Click 'Log In'.

The following screen is displayed:

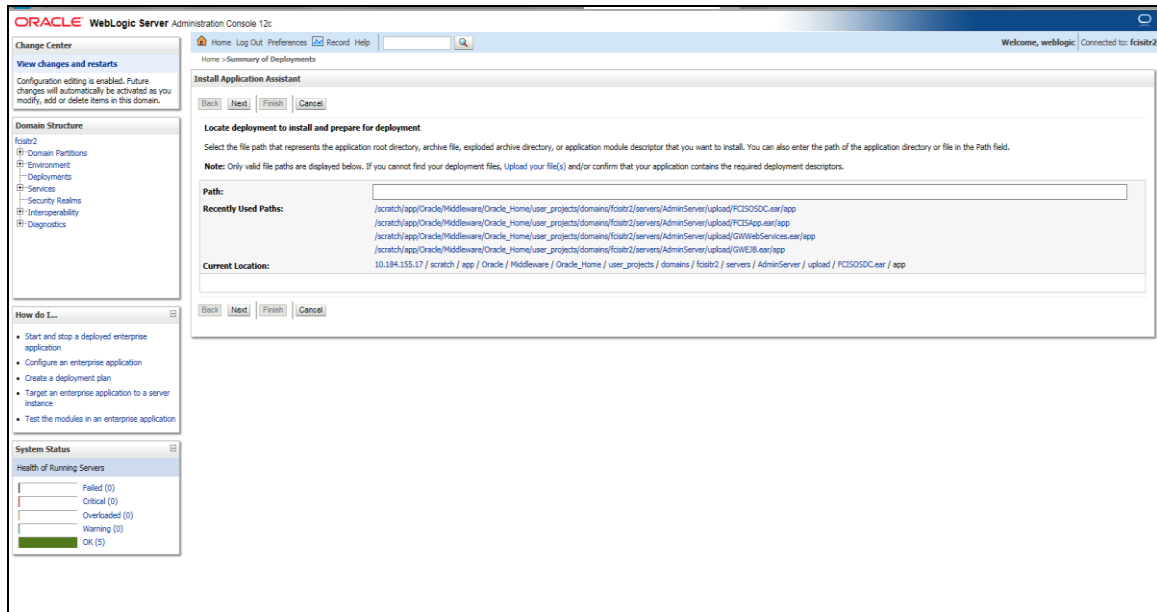


Click 'Deployments' button on the left hand side of the 'Weblogic Server' screen. The following screen is displayed:

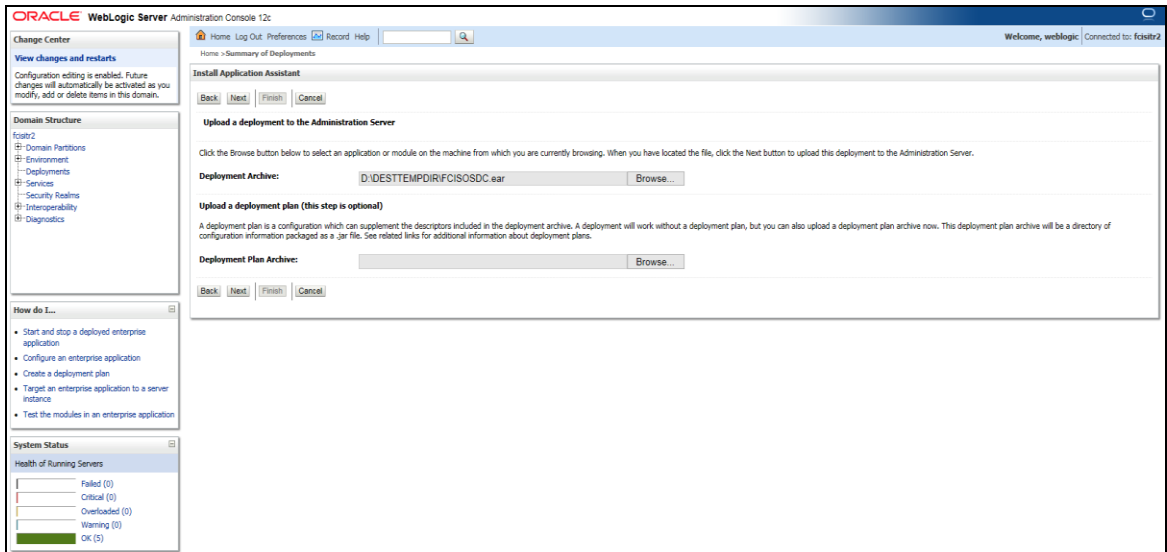


You need to deploy an EAR. For instance, 'FCISApp.ear'. Go to 'Deployment'.

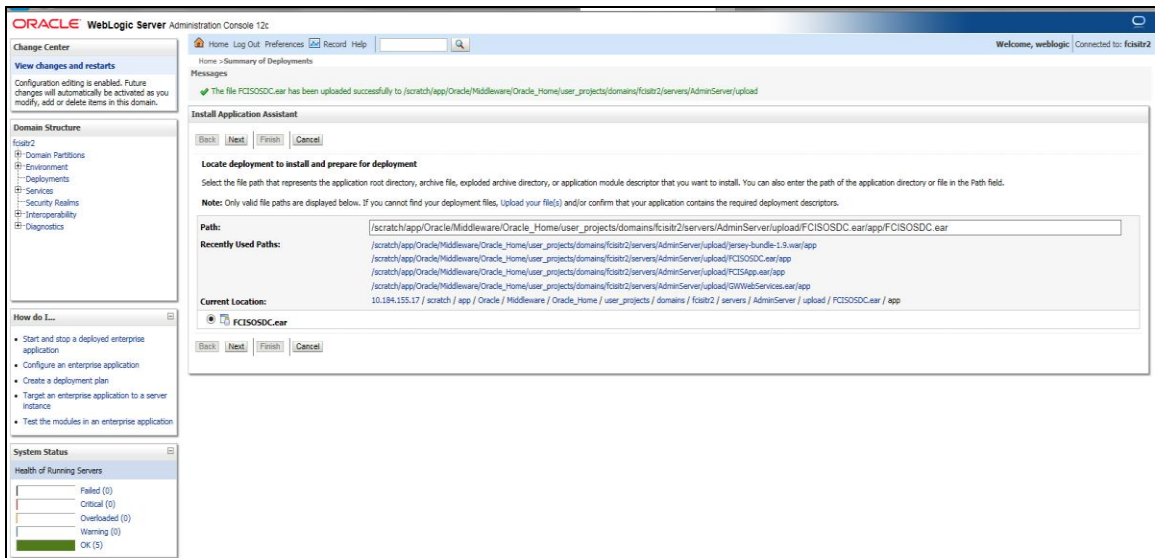
3. Click 'Install' button. The following screen is displayed:



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

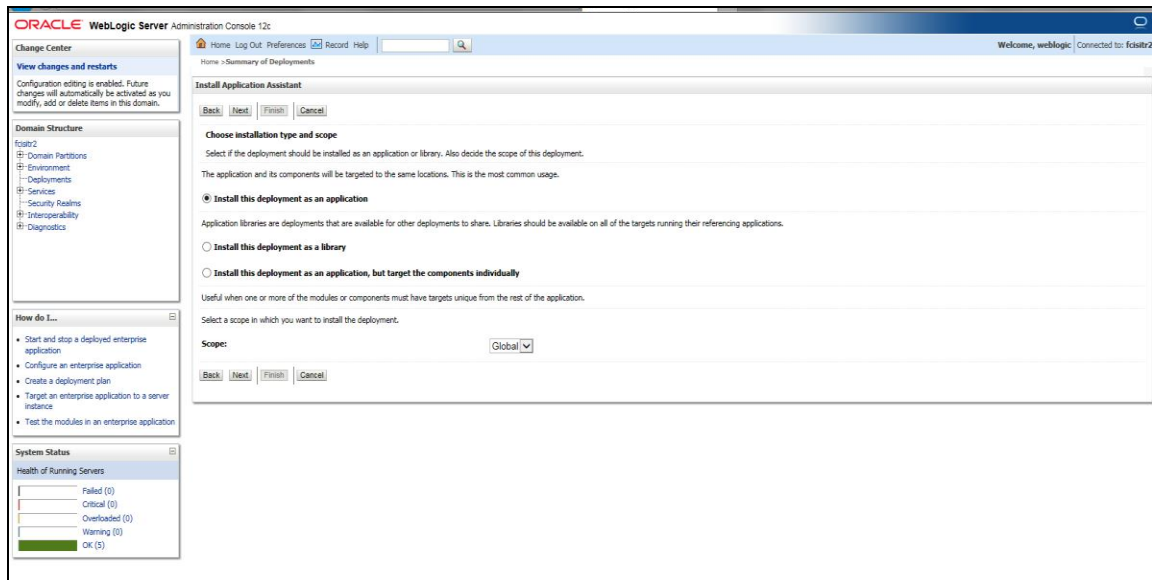


4. Specify the EAR file path. You can use the ‘Browse’ button to locate the file.
5. Click ‘Next’. The following screen is displayed.



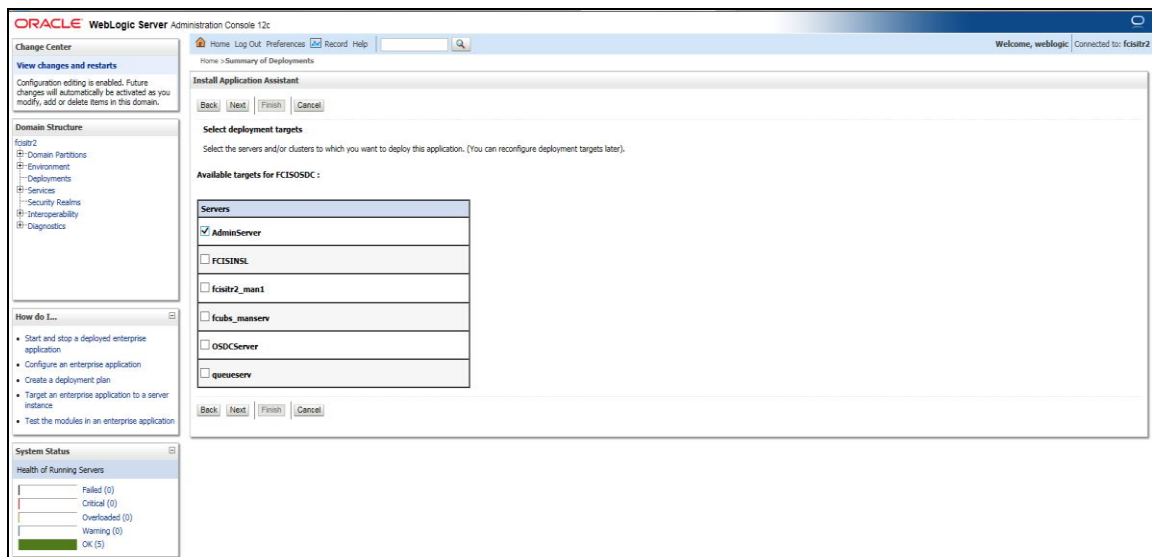
6. Select the application ‘FCISApp.ear’ from the list.

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.

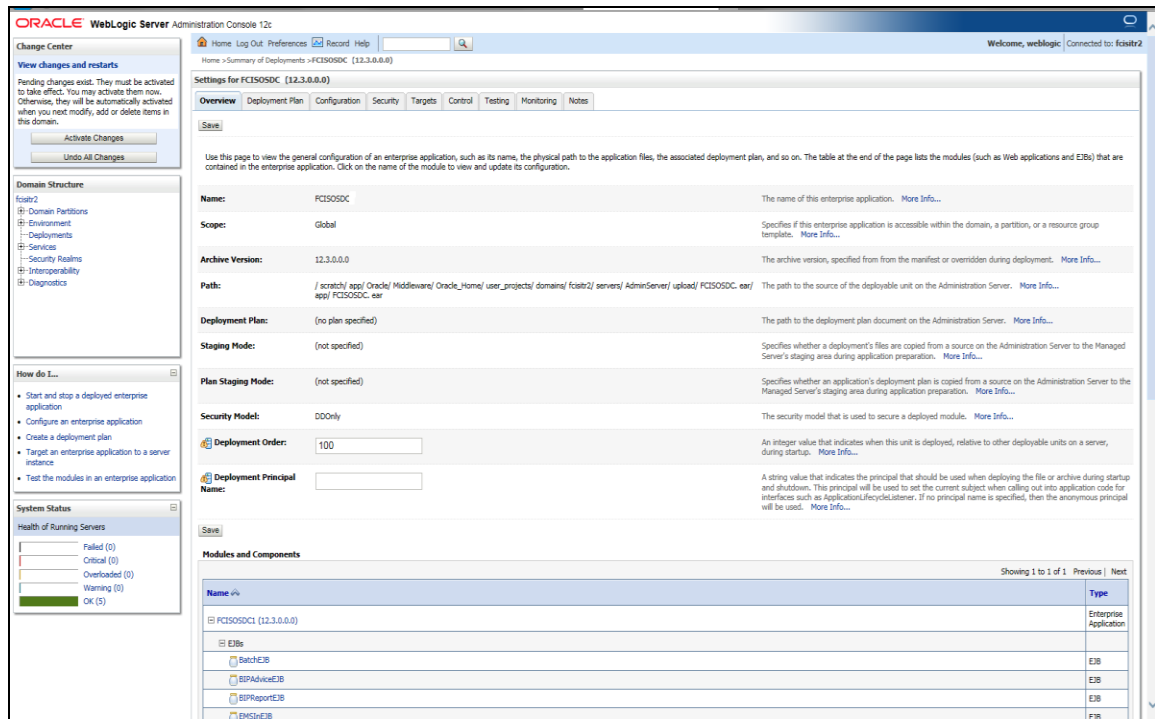
The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' with a 'View changes and restarts' link, a 'Domain Structure' tree, and a 'System Status' section showing 'Health of Running Servers' with a green bar indicating 'OK (3)'. The main content area is titled 'Install Application Assistant' and shows the 'Optional Settings' page. The 'General' section has a 'Name' field set to 'FCISOSDC' and an 'Archive Version' of '12.3.0.0.0'. The 'Security' section has a radio button selected for 'DD Only: Use only roles and policies that are defined in the deployment descriptors'. The 'Source Accessibility' section has a radio button selected for 'Use the defaults defined by the deployment's targets'. The 'Location' field is set to '/scratch/app/Oracle/Middleware/Oracle_Home/user_projects'. The 'Plan Source Accessibility' section has a radio button selected for '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 content area is titled 'Review your choices and click Finish'. The 'Additional Configuration' section has a radio button selected for 'Yes, take me to the deployment's configuration screen'. The 'Summary' section shows the following details: 'Deployment: /scratch/app/Oracle/Middleware/Oracle_Home/user_projects/domains/FCIS2/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', and 'Scope: Global'. The 'Target Summary' table shows the following data:

Components	Targets
FCISOSDC.ear	AdminServer

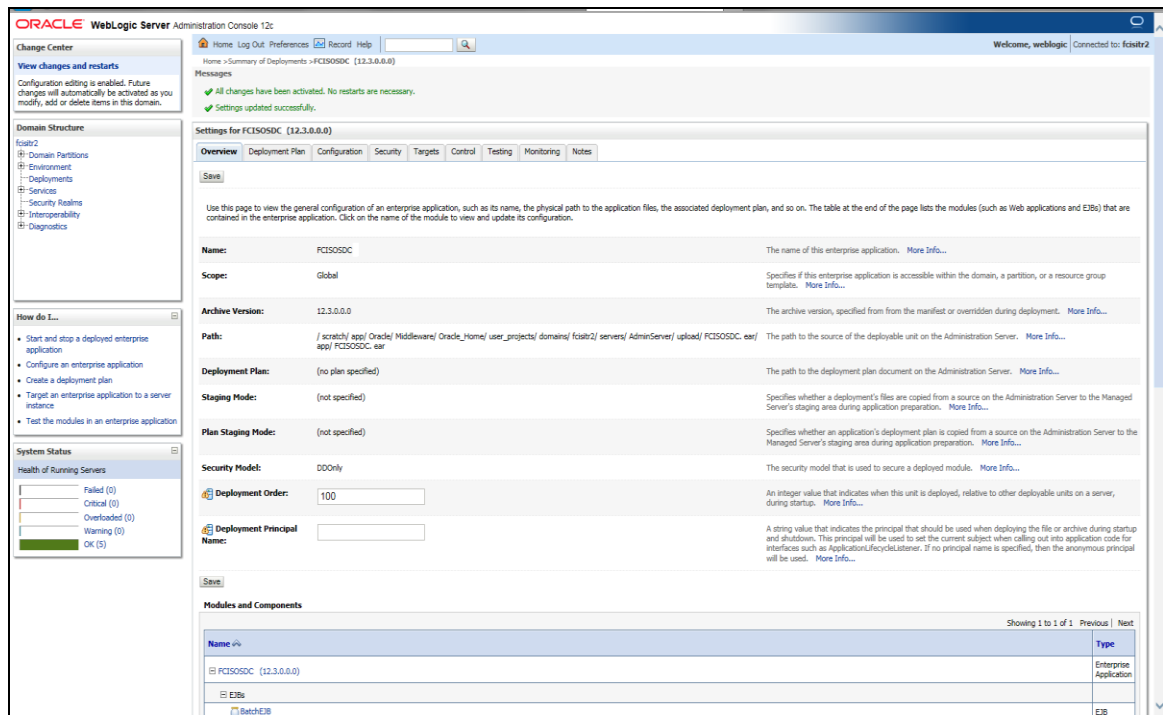
Click 'Finish' button. The following screen is displayed.



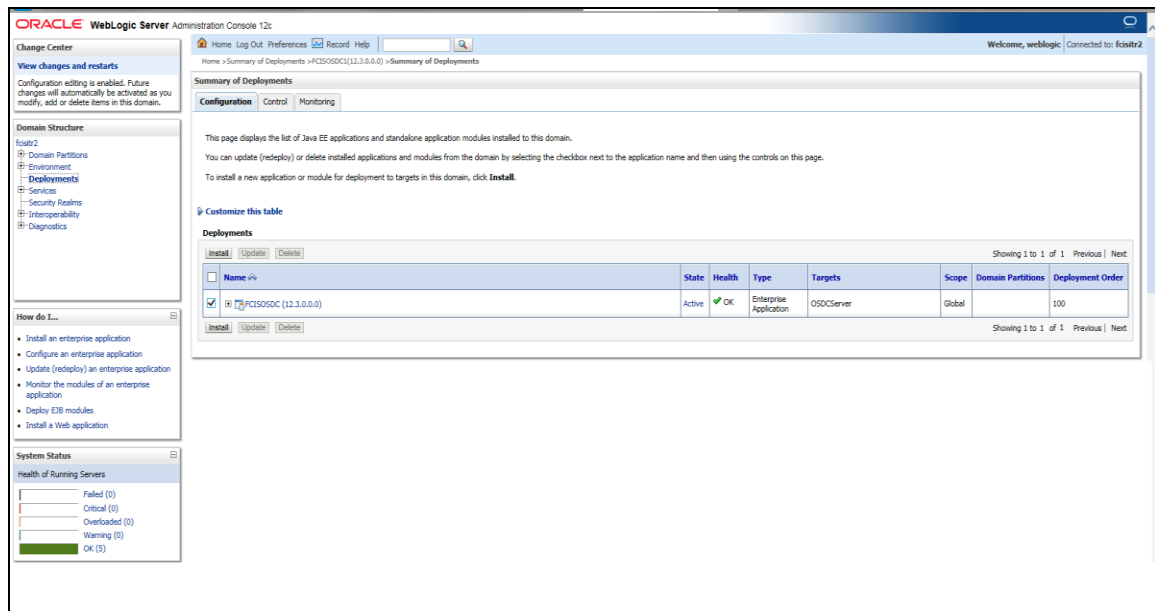
13. Change **Deployment Order** to **400** if the application includes **BPEL plug-in**.

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

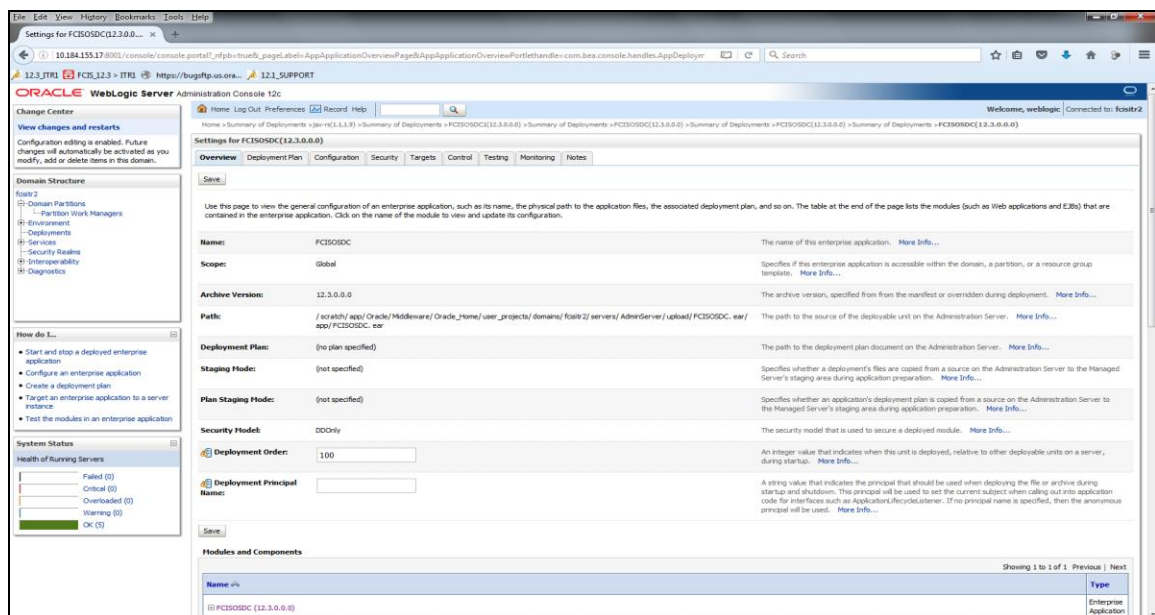
Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed. The screen is given below:



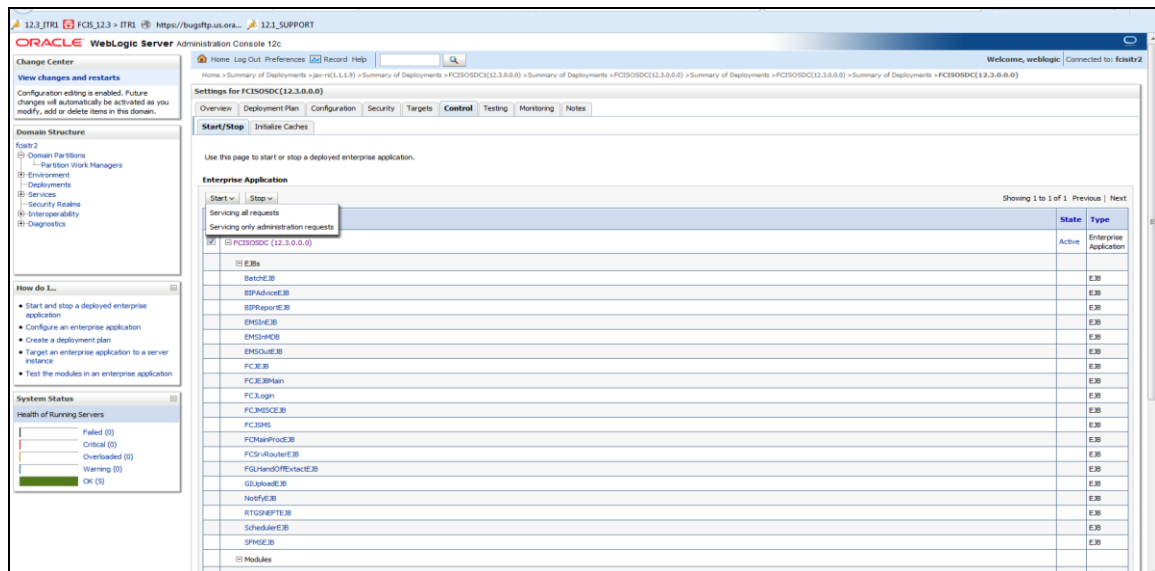
15. Click 'Deployment' on the left pane. The following screen is displayed.



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

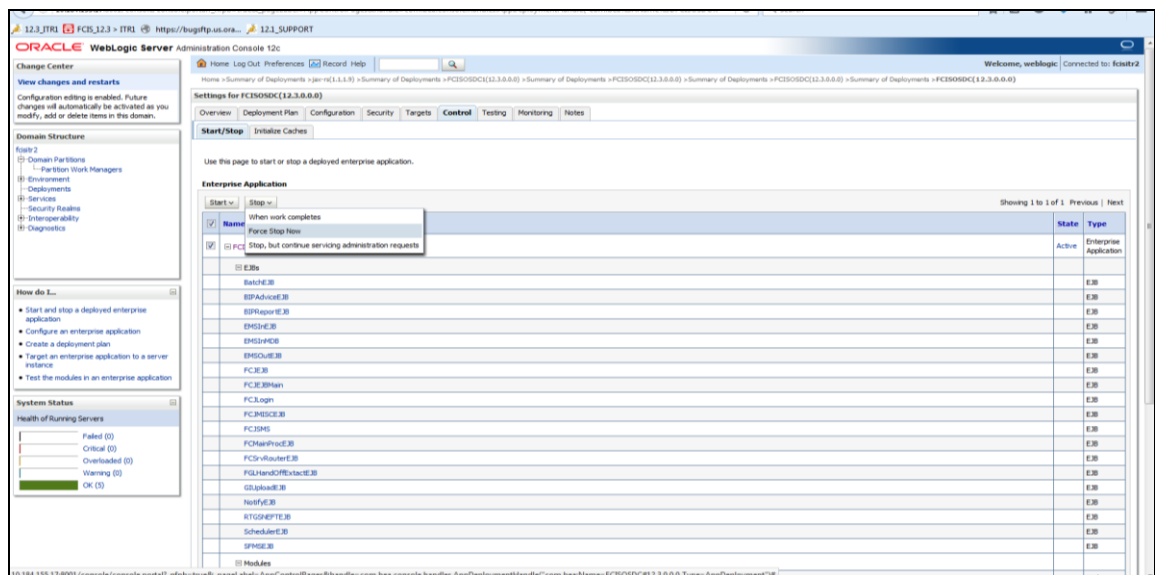


17. Select Control tab in order to start or stop a deployed enterprise application. The following screen will be displayed.



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.



Deploying Oracle FLEXCUBE on WebLogic
[June] [2024]
Version 14.7.5.0.0

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
www.oracle.com/financialservices/

Copyright © [2007], [2024], Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.