

Deploying Oracle FLEXCUBE Application on WebLogic  
Oracle FLEXCUBE Universal Banking  
Release 12.3.0.0.0  
[December] [2016]



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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 Centralized Mode'. 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

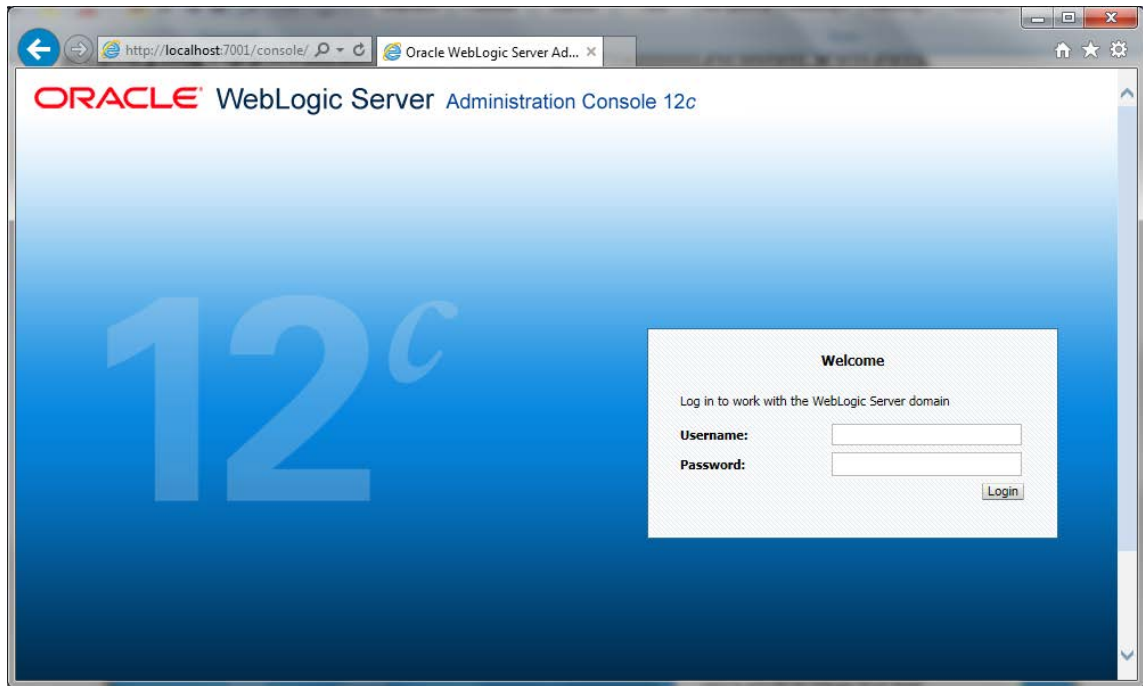
This section explains the method of deploying Oracle FLEXCUBE Application Oracle WebLogic application server.

### 1.3.1 Deploying Dependency Library “Jersey-bundle”

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

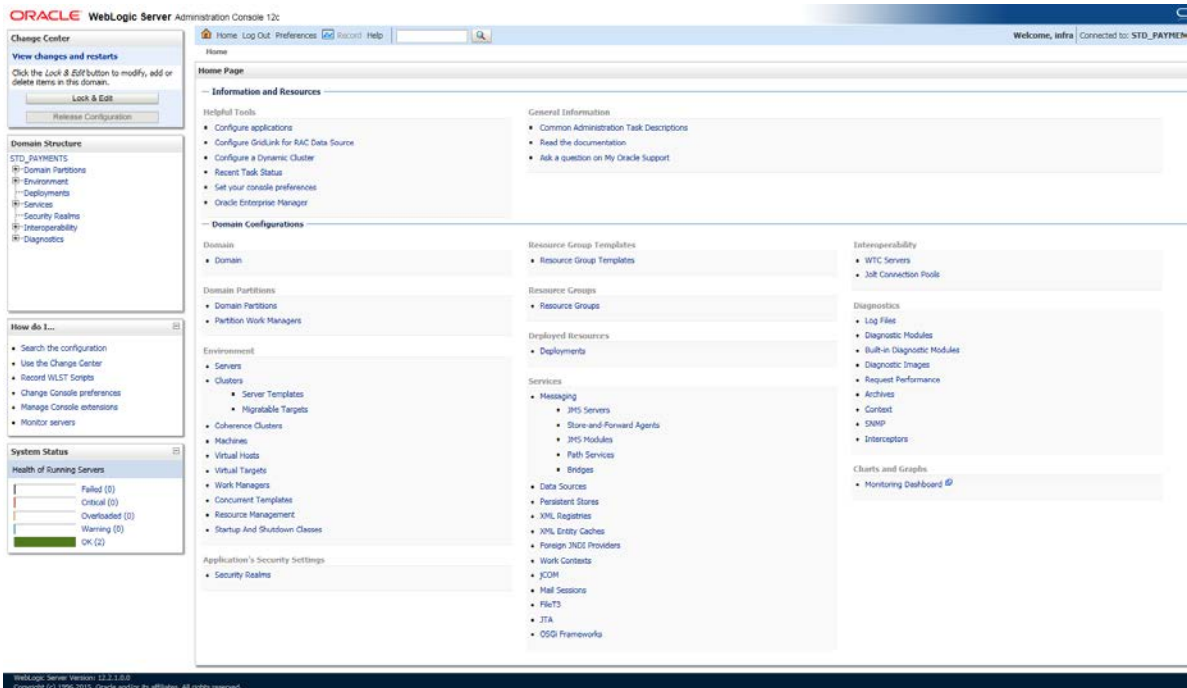
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.  
Eg: <http://10.10.10.10:1001/console>

2. The following screen is displayed:



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

The following screen is displayed:



Click install button

ORACLE WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, infra Connected to: STD\_PAYMENT

Change Center

View changes and restarts

No pending changes exist. Click the Release Configuration button to allow others to edit the domain.

LOCK & EDIT

Release Configuration

Domain Structure

STD\_PAYMENT

- Environment
- Deployments
- Services
- Security Realms
- Interoperability
- Diagnostics

How do I...?

- Install an enterprise application
- Configure an enterprise application
- Update (redeploy) an enterprise application
- Monitor the modules of an enterprise application
- Deploy J2E modules
- Install a Web application

System Status

Health of Running Servers

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (2)

Summary of Deployments

Configuration Control Monitoring

This page displays the list of Java EE applications and standalone application modules installed to this domain.

You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.

To install a new application or module for deployment to targets in this domain, click **Install**.

Customize this table

Deployments

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
<input type="checkbox"/> adf.oracle.businesseditor(1.0.12.2.1.0.0)	Active		Library	AdminServer_payments, pm_server1	Global		100
<input type="checkbox"/> adf.oracle.domain(1.0.12.2.1.0.0)	Active		Library	AdminServer_payments, pm_server1	Global		100
<input type="checkbox"/> adf.oracle.domain.webapp(1.0.12.2.1.0.0)	Active		Library	AdminServer_payments, pm_server1	Global		100
<input type="checkbox"/> coherence.transaction-rar	Active	OK	Resource Adaptor	AdminServer_payments, pm_server1	Global		100
<input type="checkbox"/> DMS Application (12.2.1.0.0)	Active	OK	Web Application	AdminServer_payments, pm_server1	Global		5
<input type="checkbox"/> em	Active	OK	Enterprise Application	AdminServer_payments	Global		400
<input type="checkbox"/> emagentdtkimpl_jar(12.4.12.1.0.4.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> emagentdtkimpl_jar(12.4.12.1.0.4.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> emagentdtk_jar(12.4.12.1.0.4.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> emas	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> emcore	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> emconnect_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> emconnect_common_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> emconnect_console_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> emconnect_jar(11.2.0.1.0;12.1.0.0.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> emconnect_jar(11.2.0.1.0;12.1.0.0.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> emconnectimpl_jar(11.2.0.1.0;12.1.0.0.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> emconnect_jar(11.2.0.1.0;12.1.0.0.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> emcore_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> em_common(12.4.12.1.0.4.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/> em_core_impl.jar	Active		Library	AdminServer_payments	Global		100

http://localhost:7001/console/consol... Install Application Assistant...

Pending changes exist. They must be activated to take effect. You may activate them now. Otherwise, they will be automatically activated when you next modify, add or delete items in this domain.

Activate Changes

Undo All Changes

Domain Structure

base\_domain

- Environment
  - Servers
  - Clusters
  - Coherence Clusters
  - Machines
  - Virtual Hosts
  - Work Managers
  - Startup and Shutdown Classes
- 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
- Test the modules in an enterprise application

System Status

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: C:\Oracle\Middleware\Oracle\_Home\wserver\common\deployable-libraries\jersey-bundle-1.9.war

Recently Used Paths:

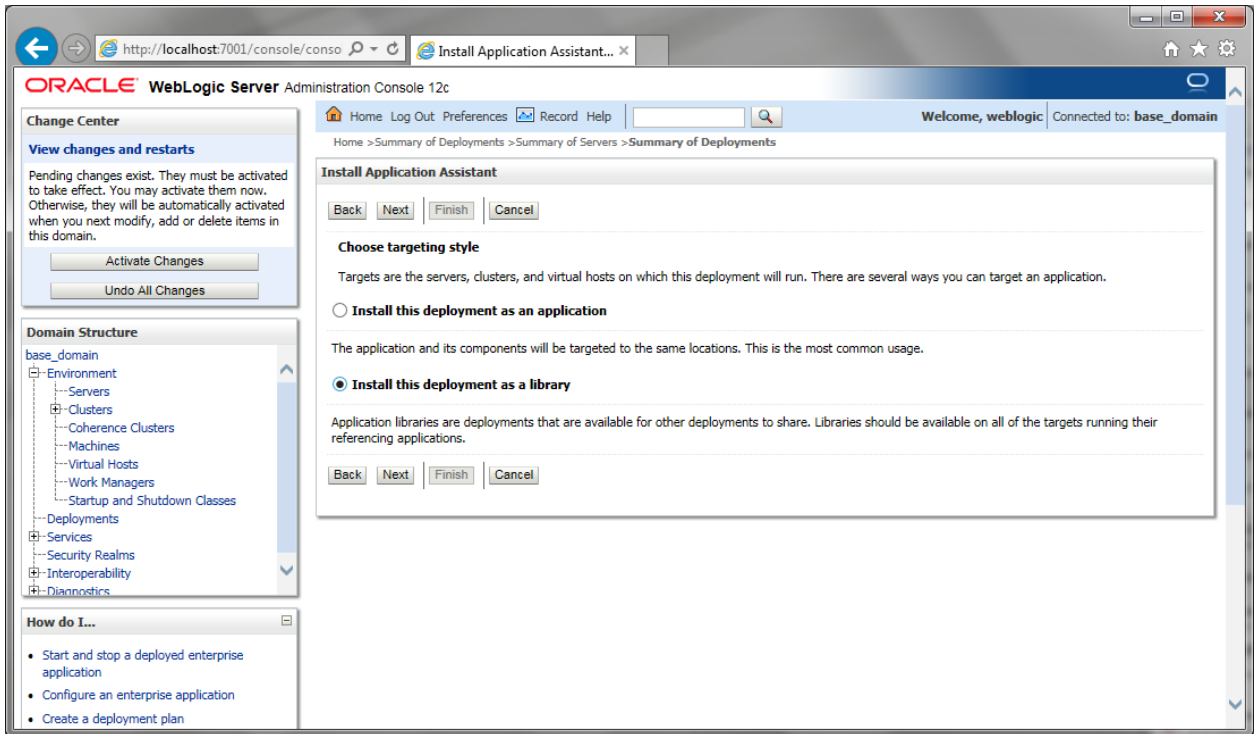
- D:\DESTMPDIR
- C:\Oracle\Middleware\Oracle\_Home\wserver\common\deployable-libraries
- D:\DESTMPDIR\20150720\_1825\build
- D:\DESTMPDIR\20150703\_1915\build

Current Location: localhost | C | Oracle | Middleware | Oracle\_Home | wserver | common | deployable-libraries

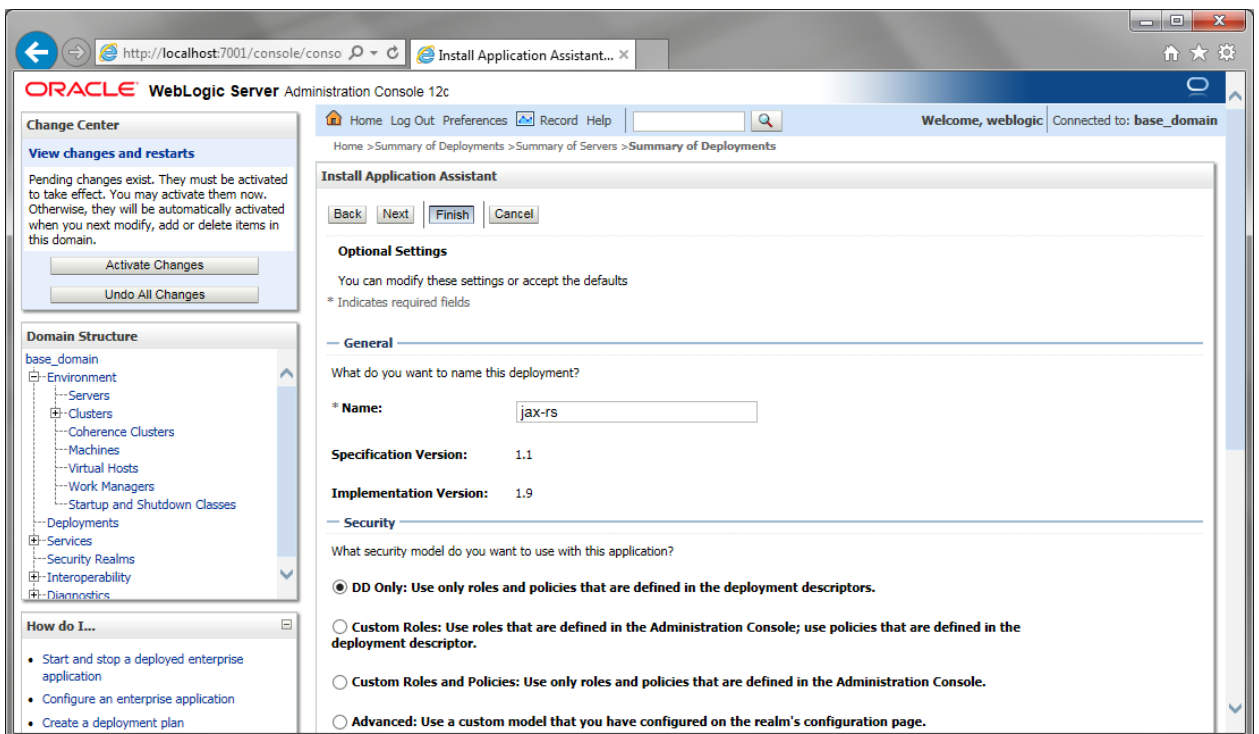
- active-cache-1.0.jar
- jax-rs-2.0.war
- jersey-bundle-1.9.war
- jsf-1.2.war
- jsf-2.0.war
- jsr311-api-1.1.1.war
- jstl-1.1.2.war
- jstl-1.2.war
- pubsub-1.0.war
- weblogic-sca-1.2.war

Back Next Finish Cancel

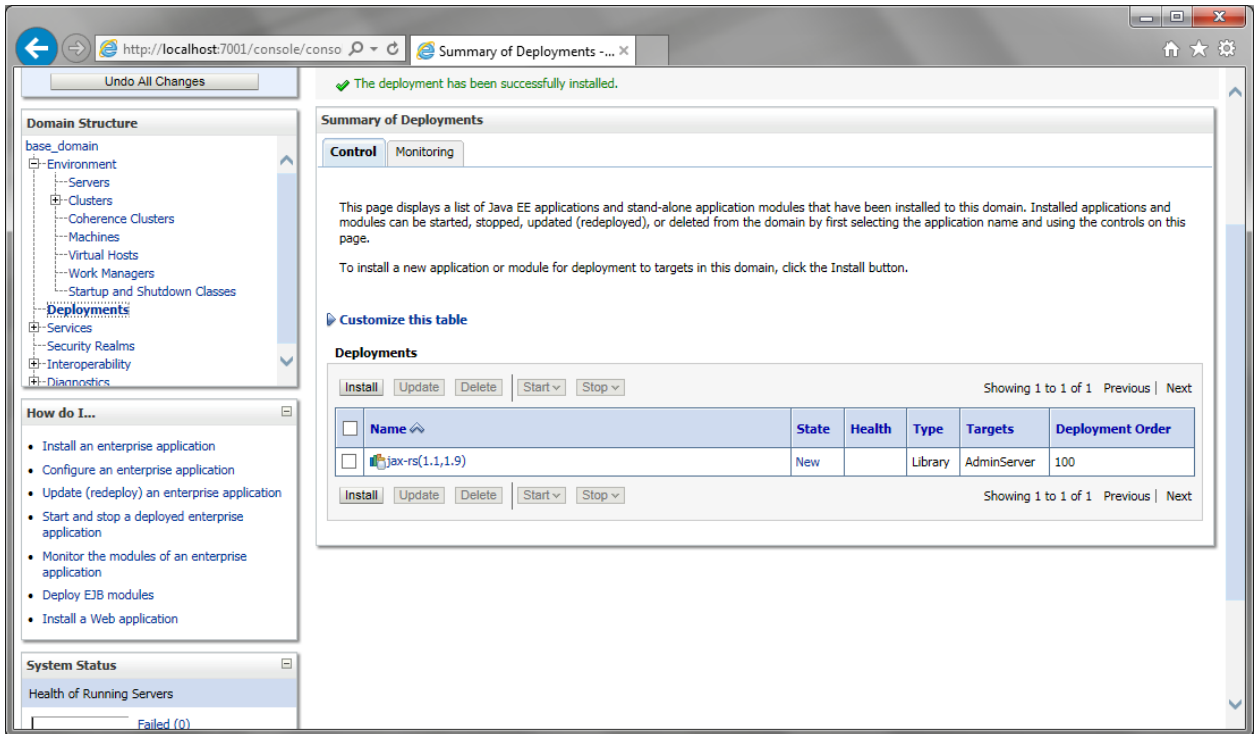
Navigate and select jersey bundle under the path "wserver\common\deployable-libraries\jersey-bundle-x.x.war" and click next



Select "install this deployment as library" and click next



Click finish button



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

### 1.3.2 Deploying FCUBS Application from WebLogic Administration Console

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

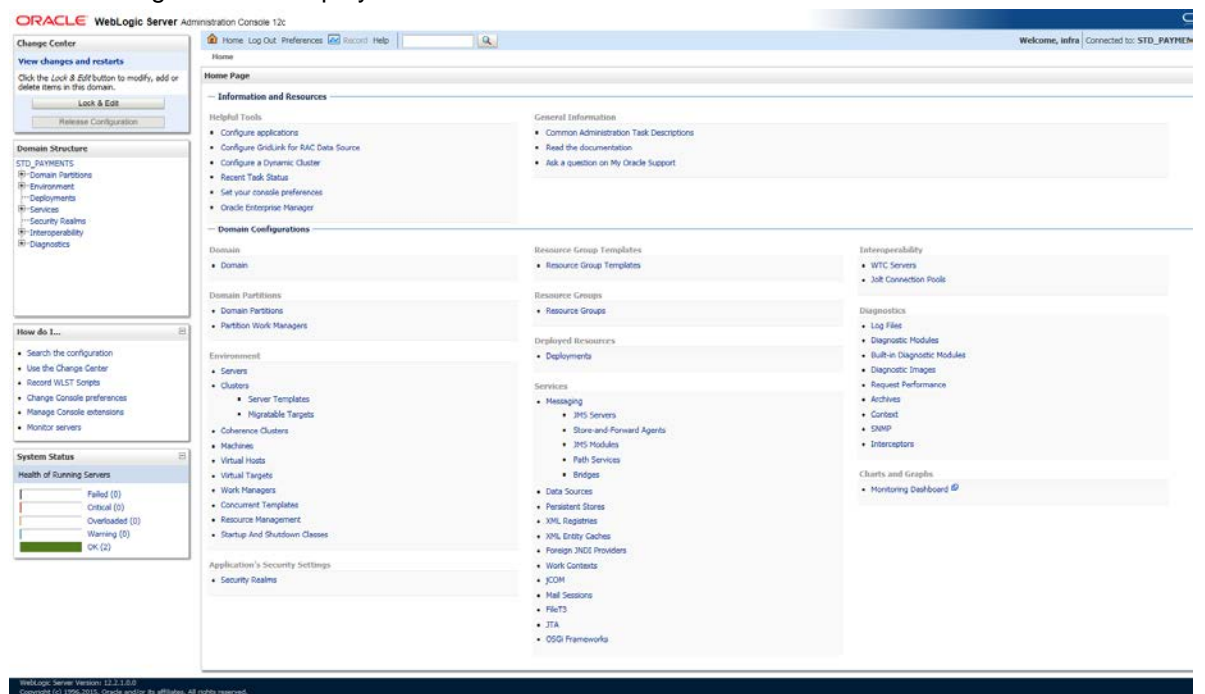
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.  
Eg: <http://10.10.10.10:1001/console>

2. The following screen is displayed:



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

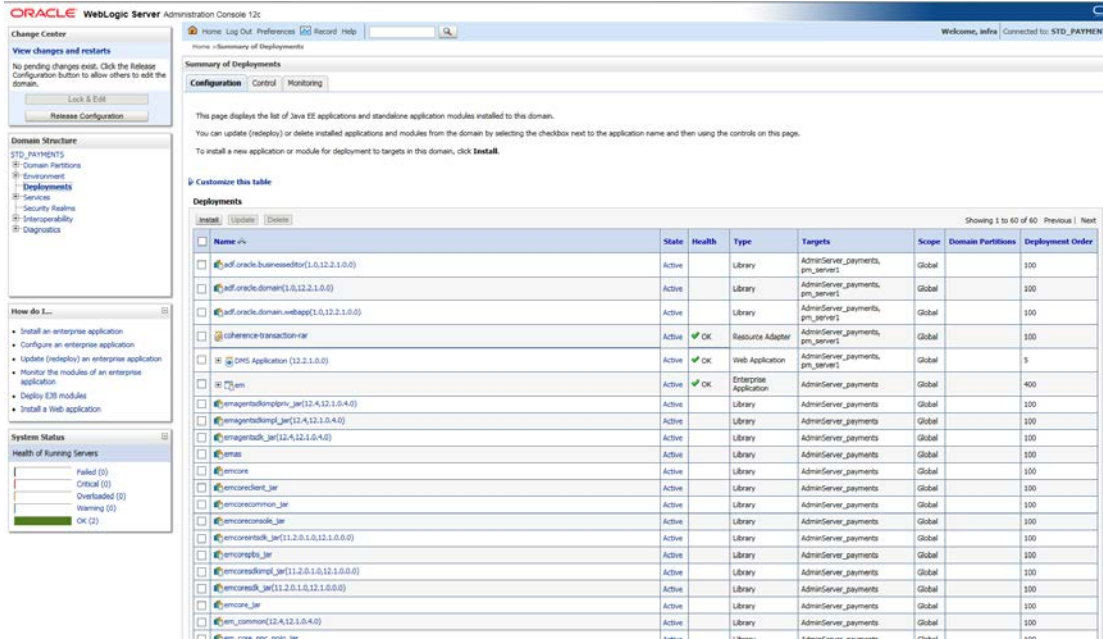
The following screen is displayed:



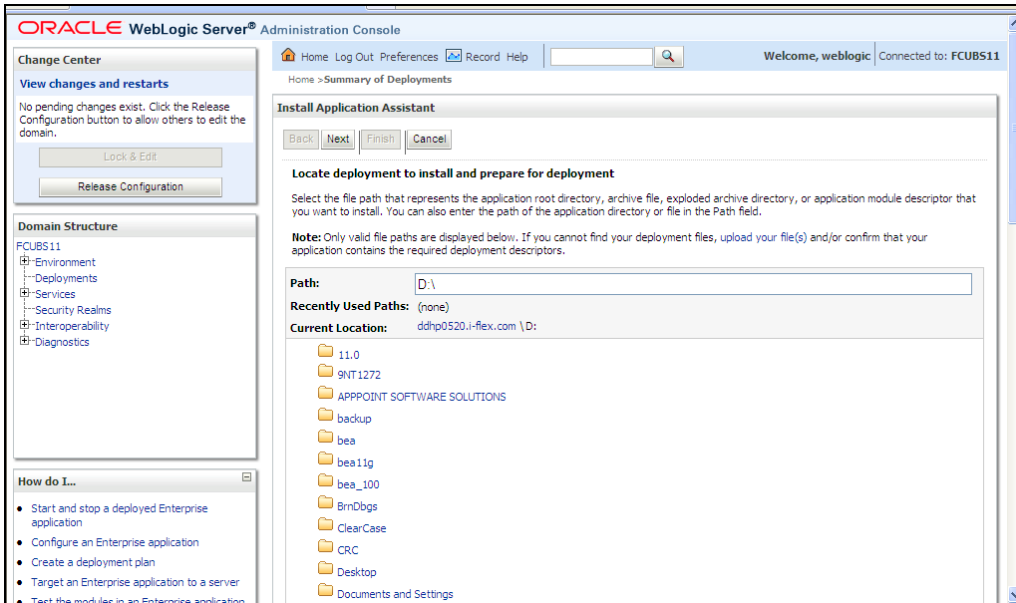
4. You need to deploy an EAR. For e.g. 'FCUBSApp.ear'. Go to 'Deployment'.



Click 'Lock & Edit' button to enable the buttons. This action enables the buttons.

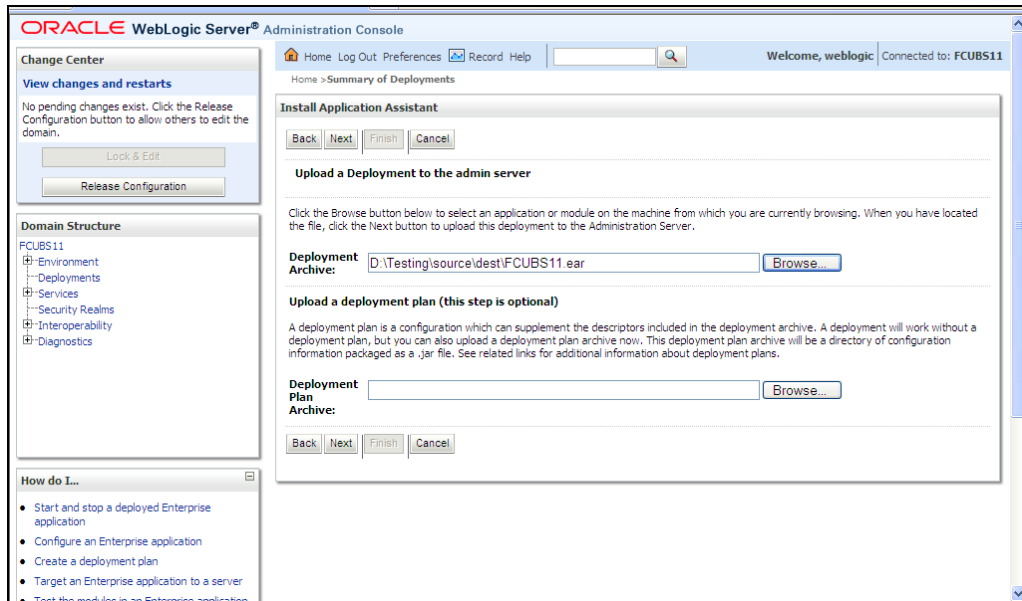


5. Click 'Install' button. The following screen is displayed:



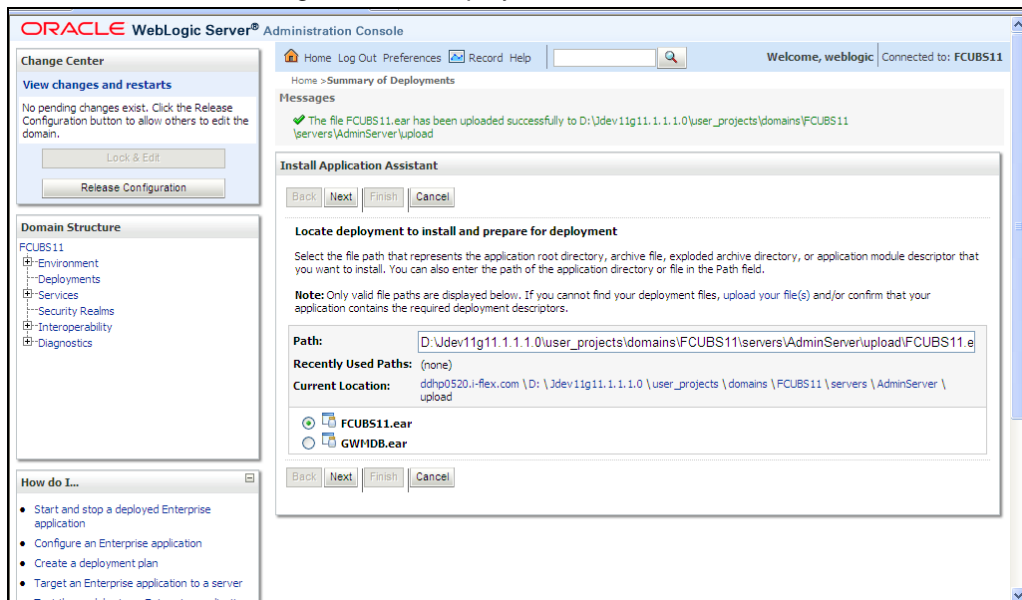
6. In order to specify the path/location of the enterprise archive file, click the link 'upload your file(s)'.

7. Click 'Next'. The following screen is displayed:



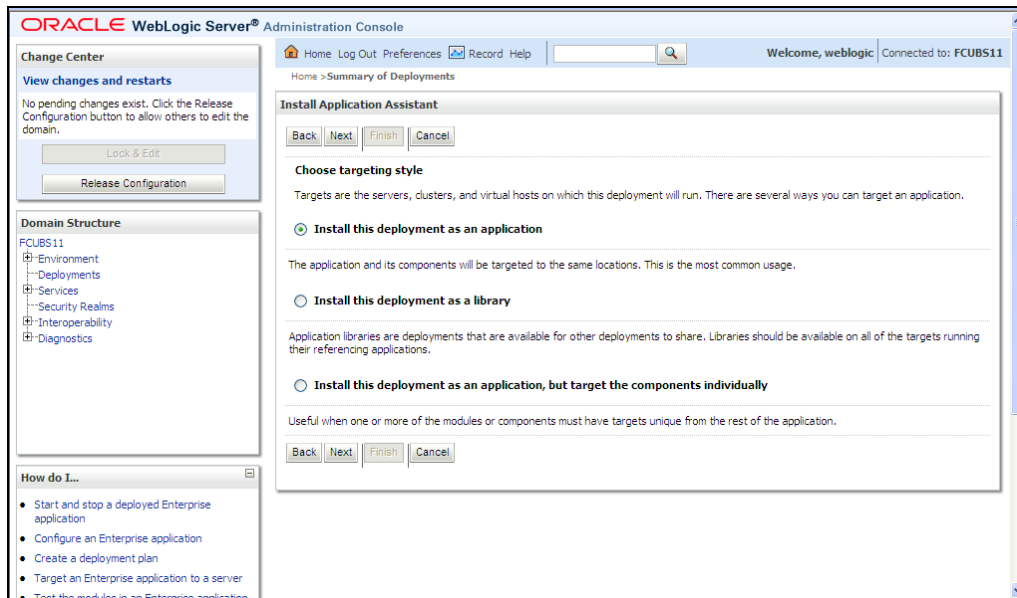
8. Specify the EAR file path. You can use the 'Browse' button to locate the file.

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



10. Select the application 'FCUBSApp.ear' from the list.

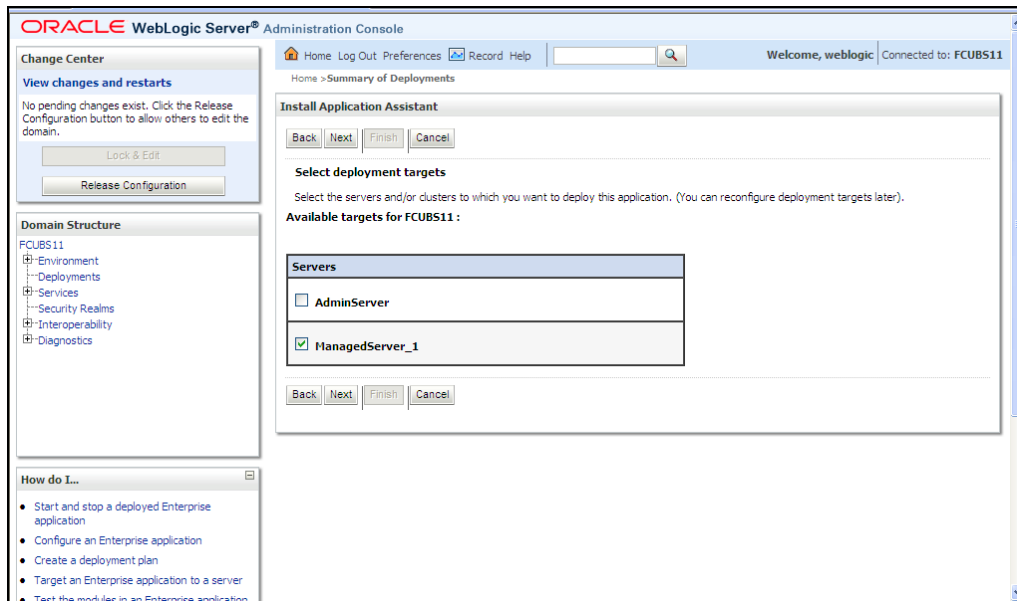
11. Click 'Next'. Following screen is displayed:



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

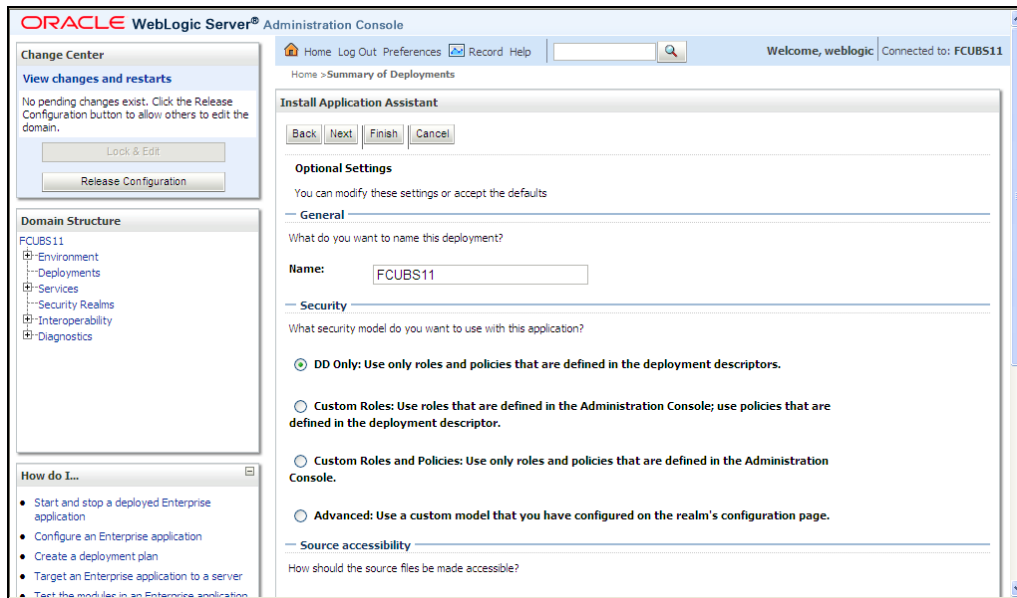
13. Click 'Next'.

The following screen is displayed



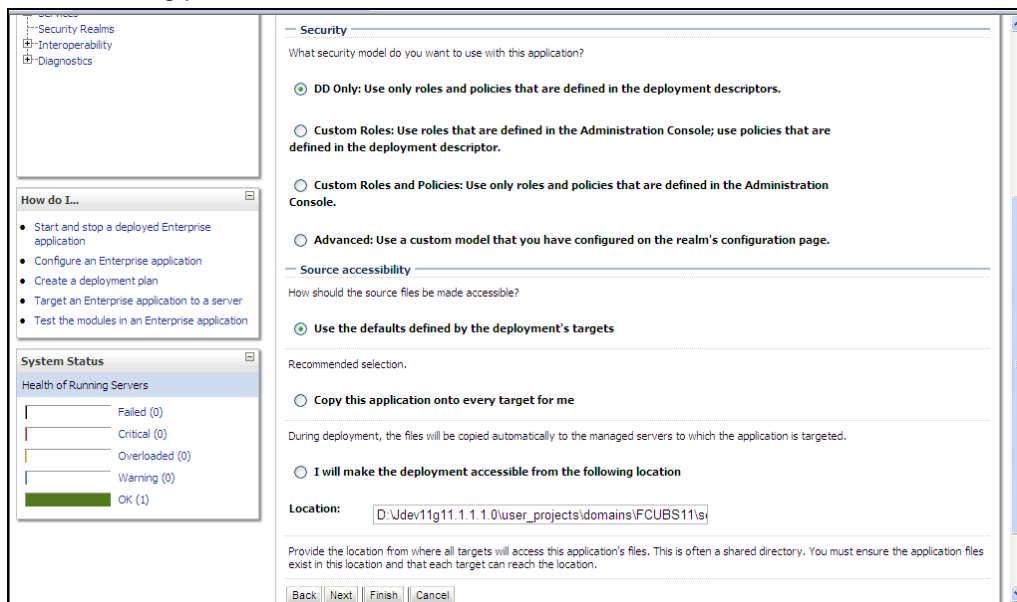
14. Select the target of the application. You can choose the server 'AdminServer' or 'Managed Server(s)'.

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



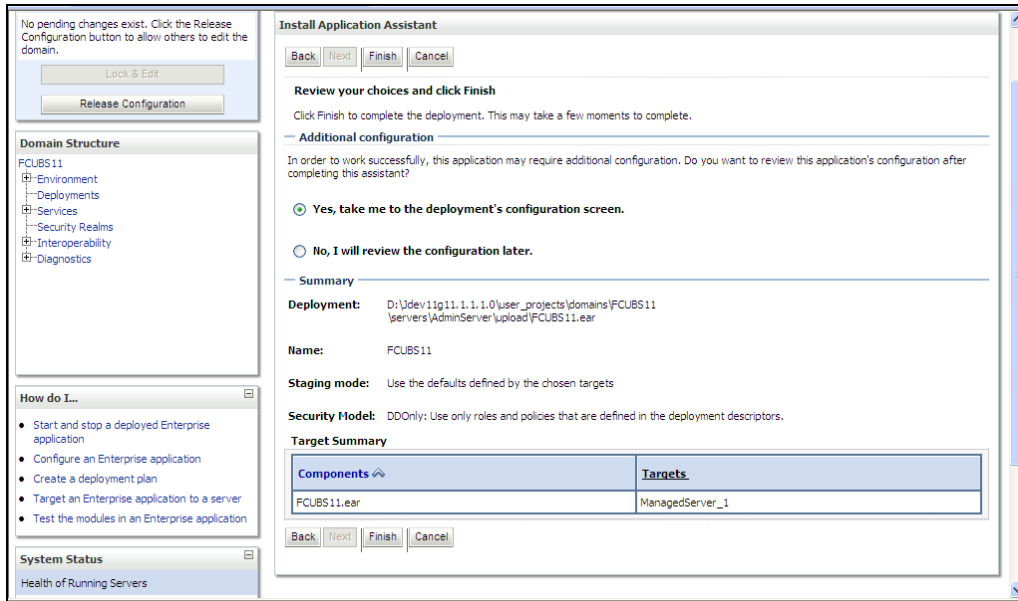
16. Check the deployment name.

The remaining portion of the screen is shown below:



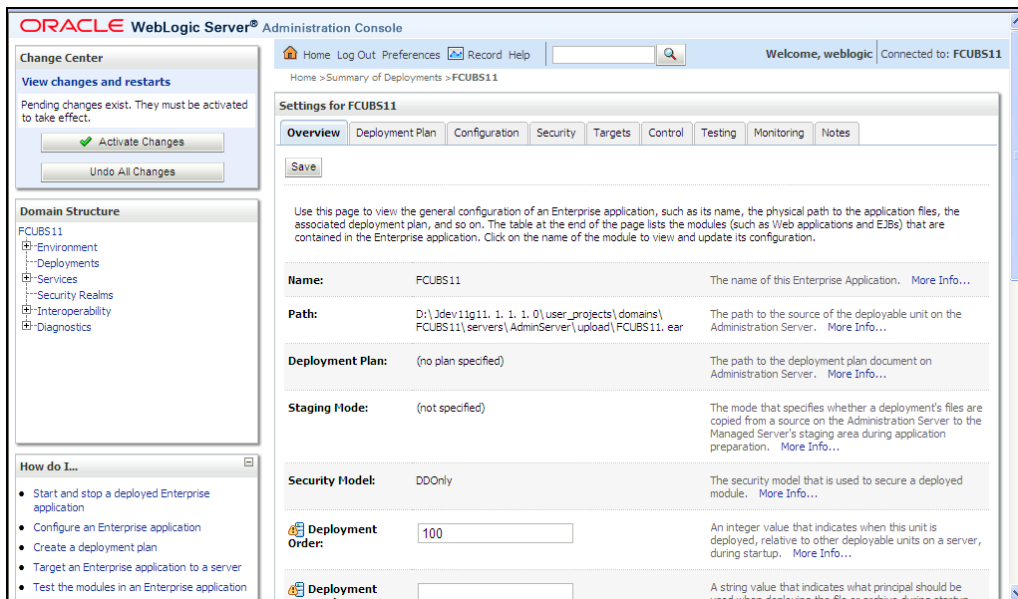
17. Check whether the deployment location is accessible or not.

The following screen is displayed.

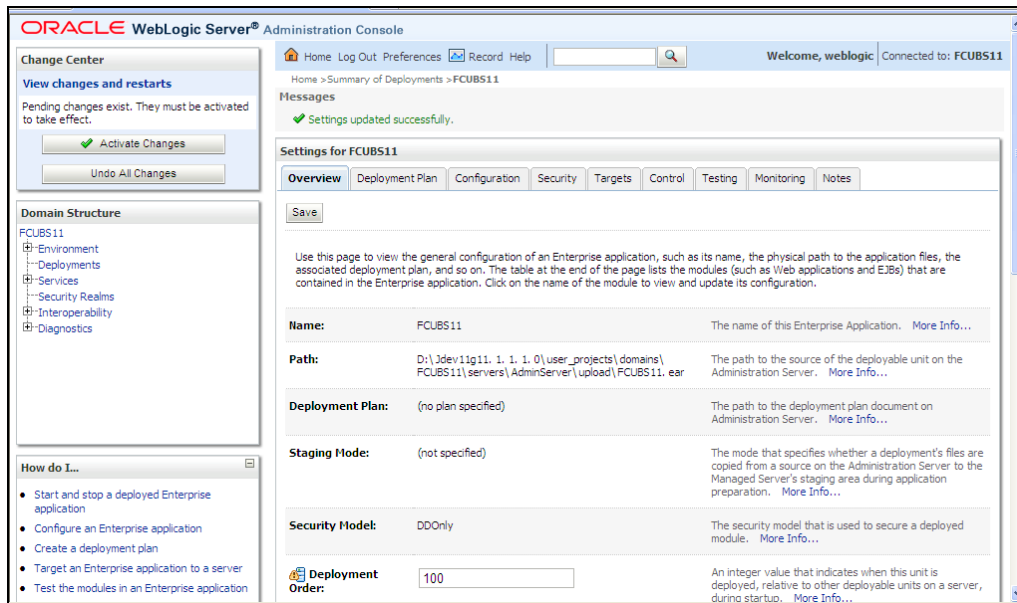


18. Click 'Finish' button. The following screen is displayed.

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

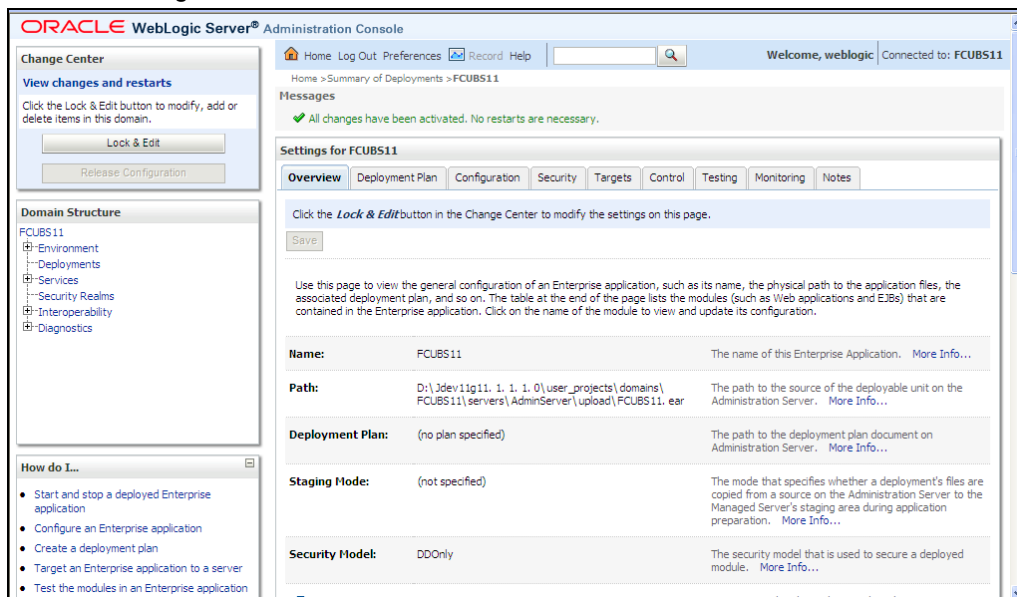


19. Click 'Save' button. The message 'Settings updated successfully' is displayed.

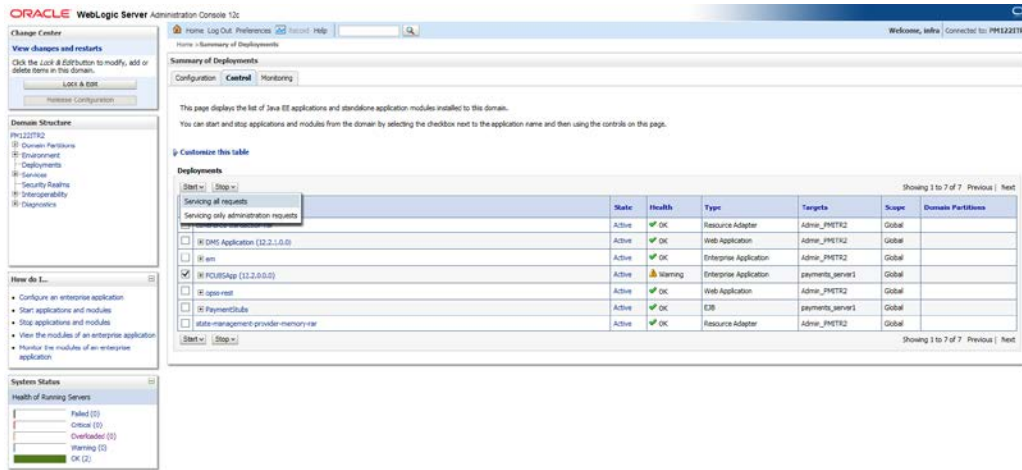


20. Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed.

The screen is given below:

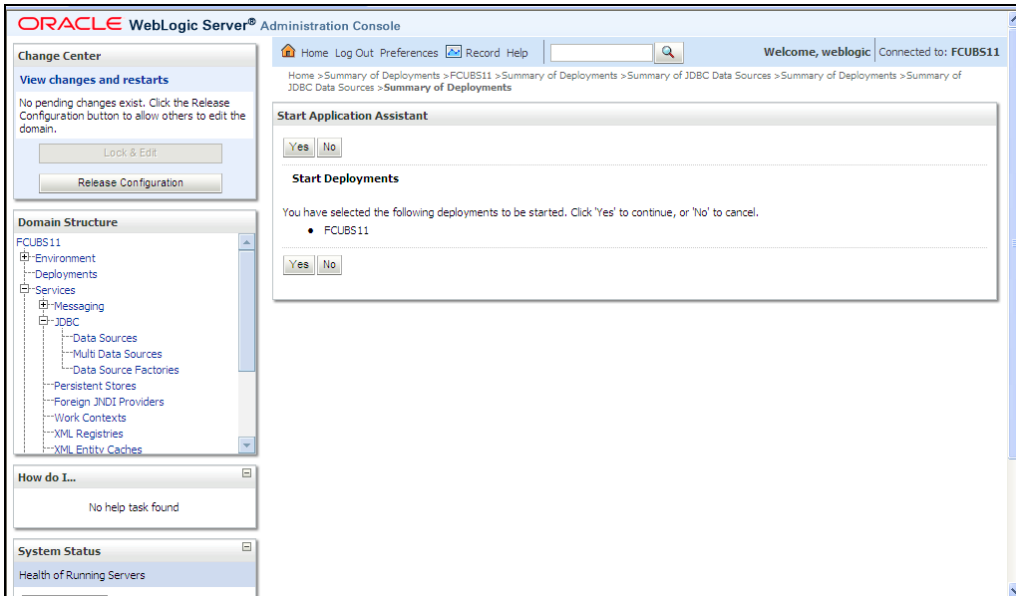


Click 'Deployment' on the left pane. Switch to Control tab .The following screen is displayed.

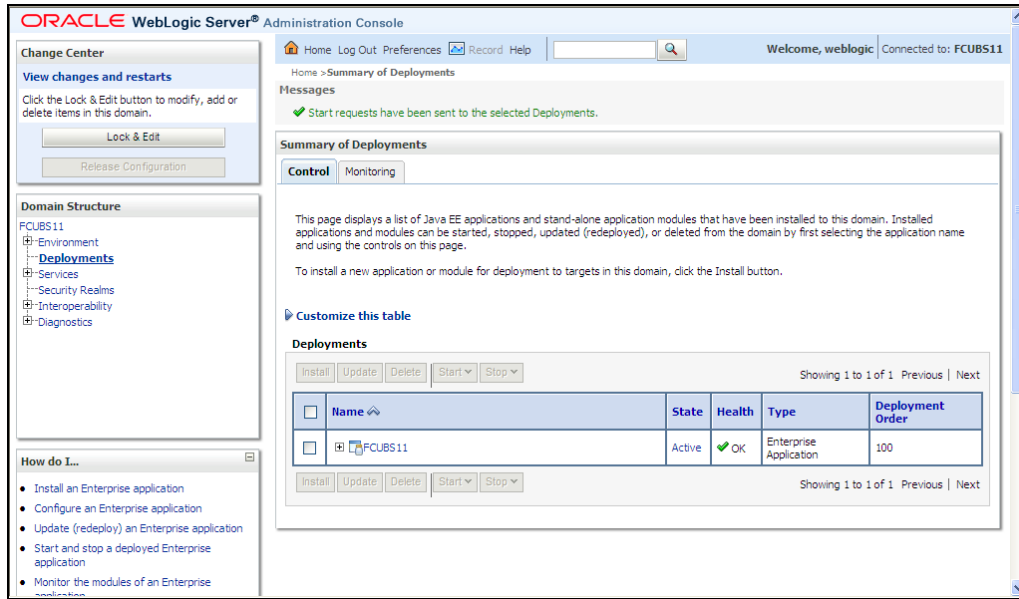


21. Click 'Start' drop-down button and select 'Servicing all requests'.

22. The following screen is displayed.



23. Click 'Yes'. The following screen is displayed.



This completes the deployment process.

### 1.3.3 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.

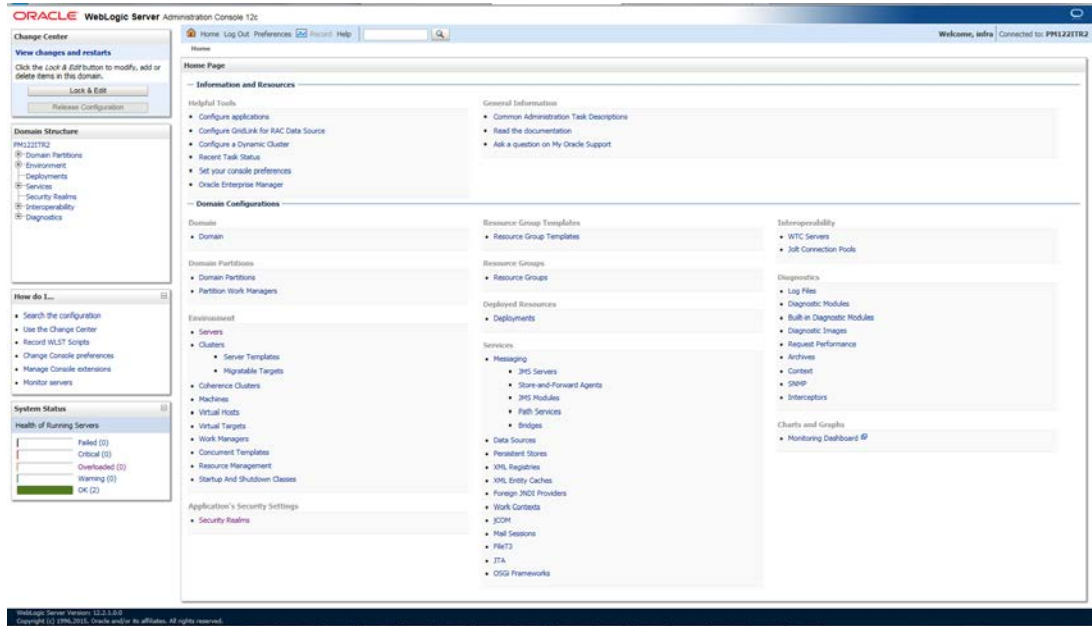
1. Launch Administrative Console of WebLogic application server. You can launch this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser. Eg: <http://10.10.10.10:1001/console>
2. The following screen is displayed:



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

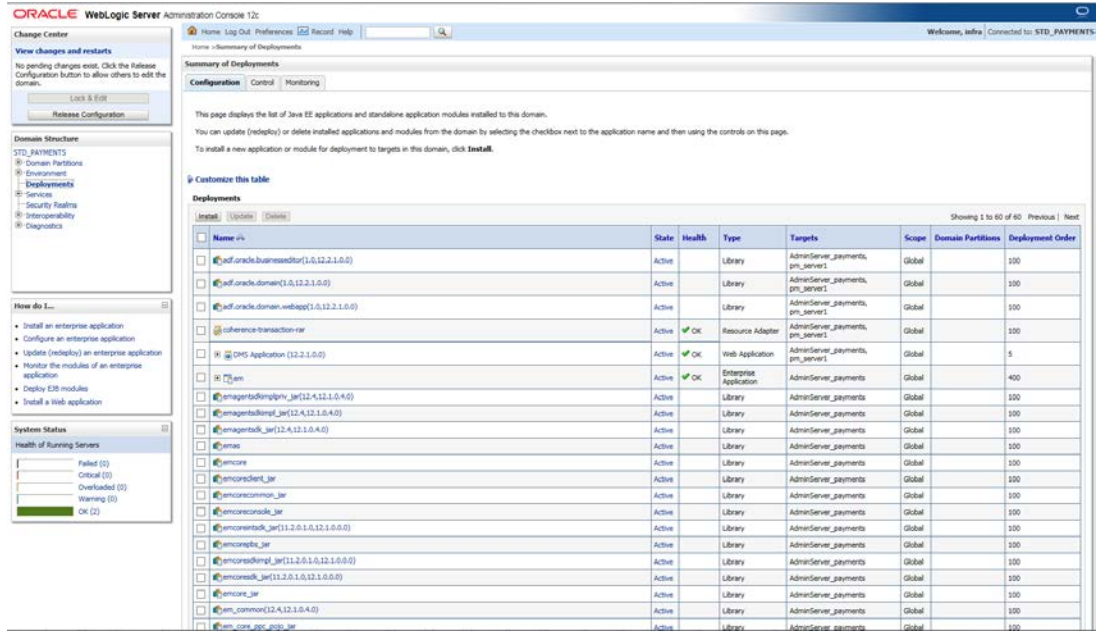


The following screen is displayed:

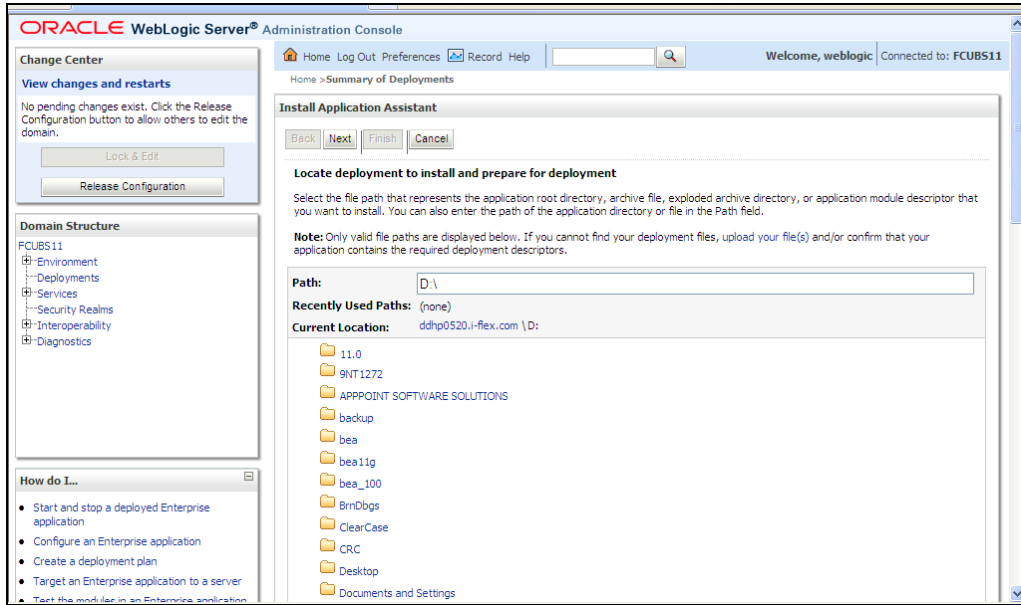


4. You need to deploy an EAR. For e.g. 'GWEJB.ear'. Go to 'Deployment'.

Click 'Lock & Edit' button to enable the buttons. This action enables the buttons.

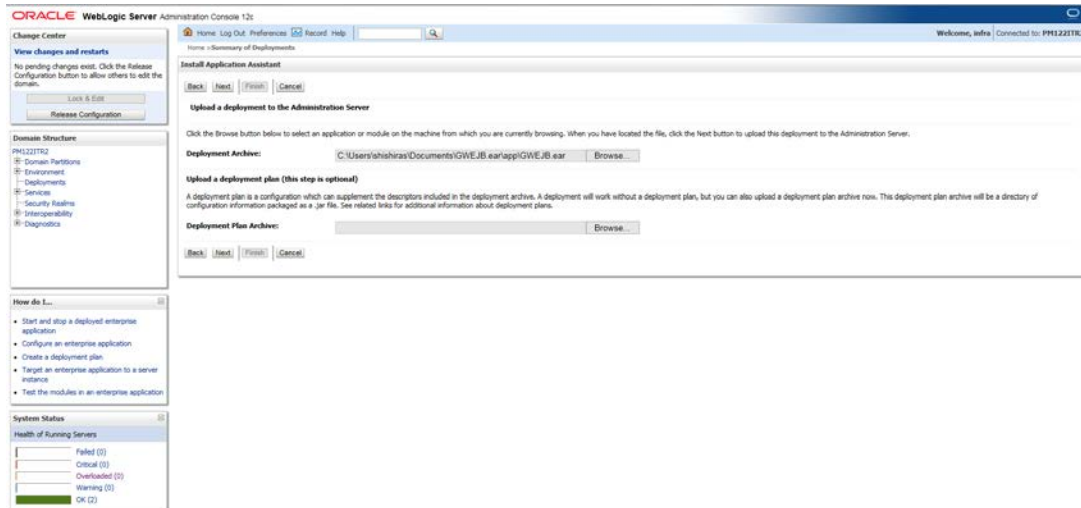


5. Click 'Install' button. The following screen is displayed:



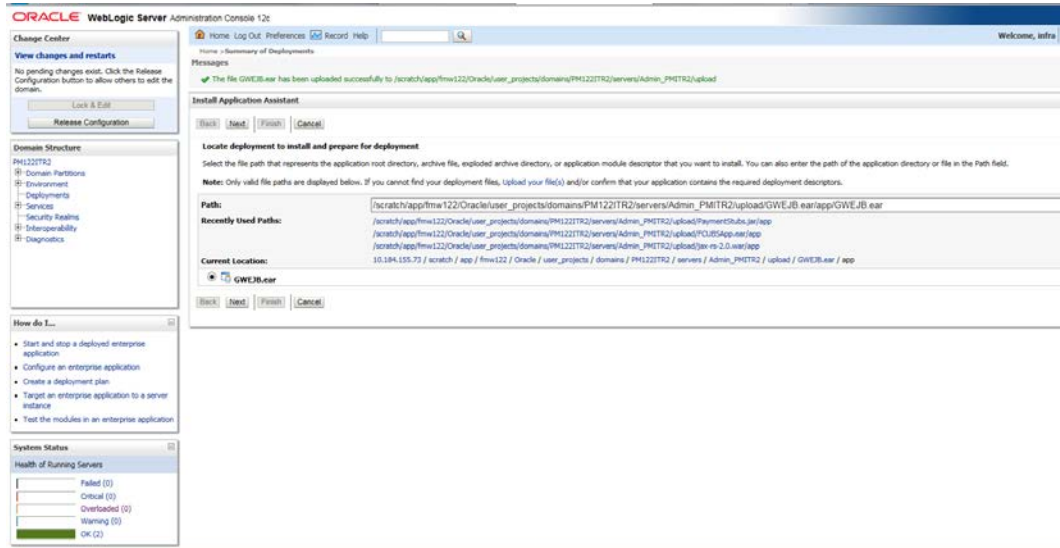
6. In order to specify the path/location of the enterprise archive file, click the link 'upload your file(s)'.

7. Click 'Next'. The following screen is displayed:



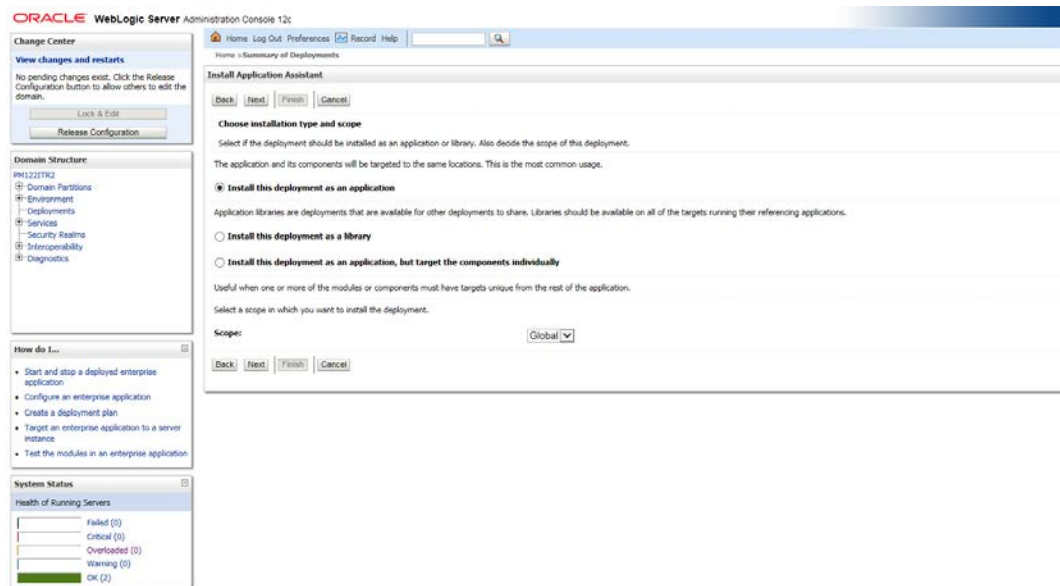
8. Specify the EAR file path. You can use the 'Browse' button to locate the file.

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



10. Select the application from the list.

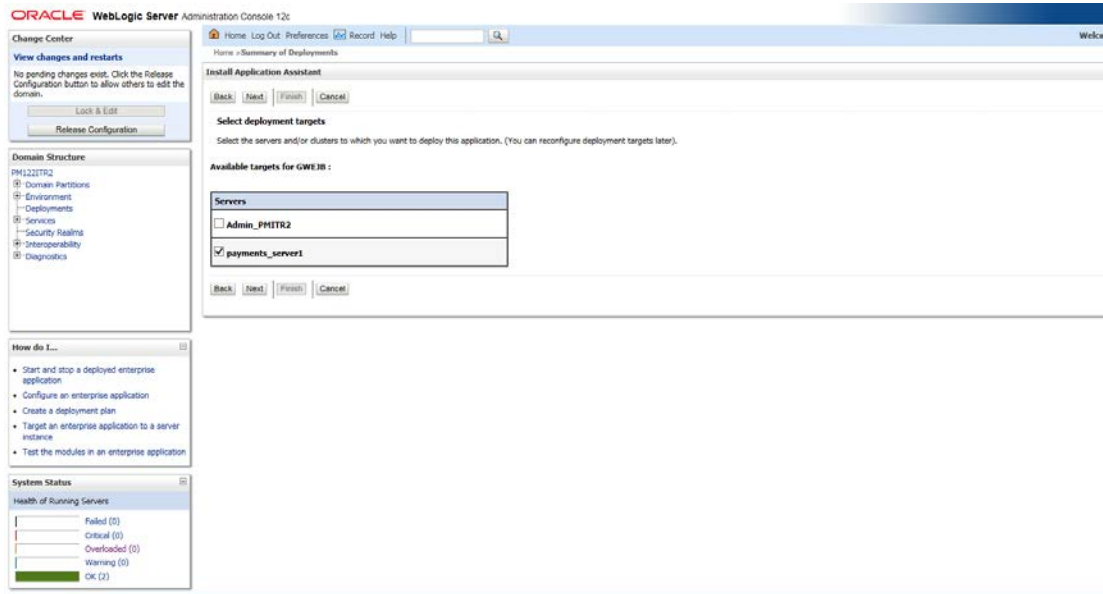
11. Click 'Next'. Following screen is displayed:



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

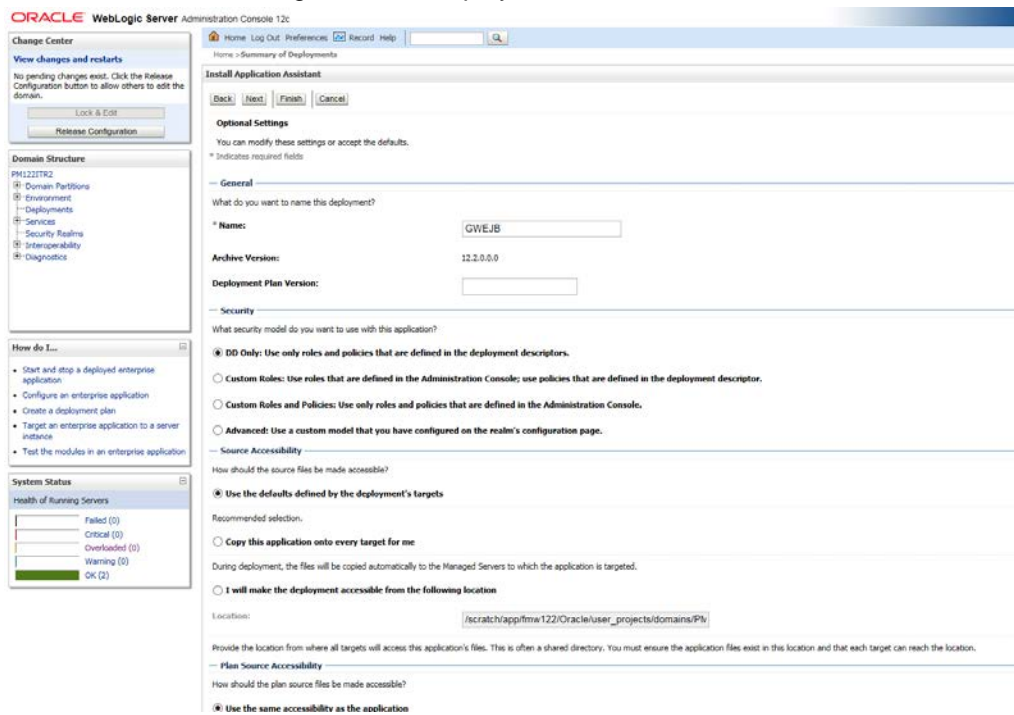
13. Click 'Next'.

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.

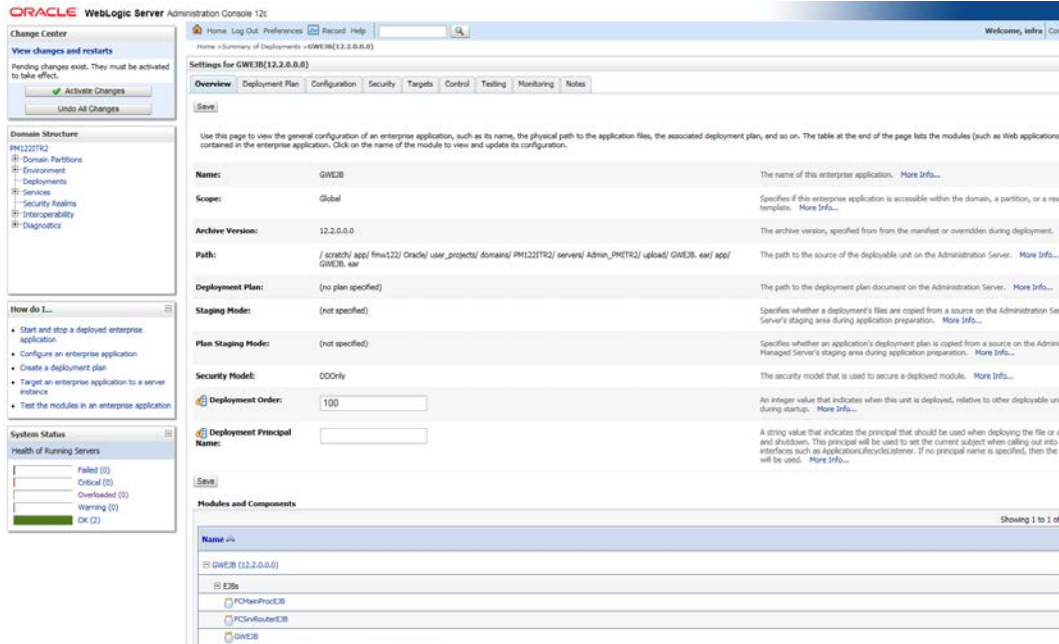
The remaining portion of the screen is shown below:

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

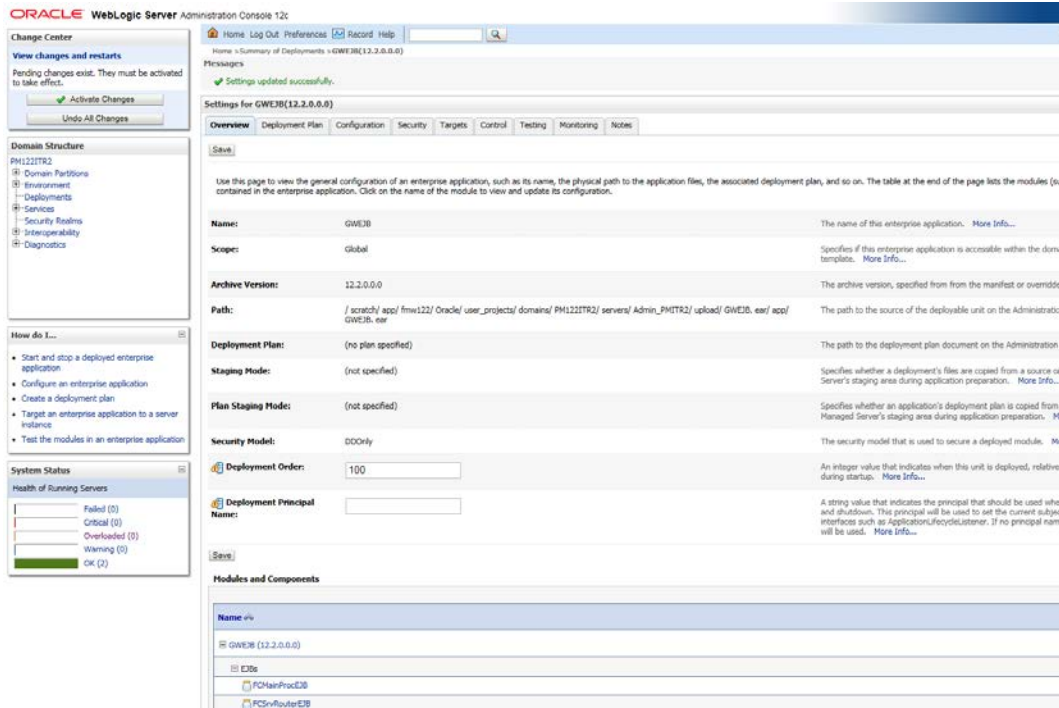
The following screen is displayed.

Components	Targets
GWEJB.ear	payments_server1

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:

**ORACLE WebLogic Server Administration Console 12c**

Home | Log Out | Preferences | Record | Help

Home > Summary of Deployments > GWEJB(12.2.0.0.0)

Messages  
 All changes have been activated. No restarts are necessary.

Settings for GWEJB(12.2.0.0.0)

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

Click the **Lock & Edit** button in the Change Center to modify the settings on this page.

Use this page to view the general configuration of an enterprise application, such as its name, the physical path to the application files, the associated deployment plan, and so on. The table at the end of the page lists the modules (such as Web contained in the enterprise application. Click on the name of the module to view and update its configuration.

**Name:** GWEJB  
 The name of this enterprise application. [More Info...](#)

**Scope:** Global  
 Specifies if this enterprise application is accessible within the domain, a part template. [More Info...](#)

**Archive Version:** 12.2.0.0.0  
 The archive version, specified from from the manifest or overridden during - [More Info...](#)

**Path:** /scratch/app/finw122/Oracle/user\_projects/domains/PM1221TR2/servers/Admin\_PM1TR2/upload/GWEJB.ear/app/GWEJB.ear  
 The path to the source of the deployable unit on the Administration Server. [More Info...](#)

**Deployment Plan:** (no plan specified)  
 The path to the deployment plan document on the Administration Server. [More Info...](#)

**Staging Mode:** (not specified)  
 Specifies whether a deployment's files are copied from a source on the Admin Server's staging area during application preparation. [More Info...](#)

**Plan Staging Mode:** (not specified)  
 Specifies whether an application's deployment plan is copied from a source Managed Server's staging area during application preparation. [More Info...](#)

**Security Model:** DDOOnly  
 The security model that is used to secure a deployed module. [More Info...](#)

**Deployment Order:** 100  
 An integer value that indicates when this unit is deployed, relative to other during startup. [More Info...](#)

**Deployment Principal Name:**  
 A string value that indicates the principal that should be used when deploy and shutdown. This principal will be used to set the current subject when its interfaces such as ApplicationLifecycleListener. If no principal name is specified will be used. [More Info...](#)

**Modules and Components**

Name	Parent
GWEJB (12.2.0.0.0)	
ERB	GWEJB (12.2.0.0.0)
FCINameProcERB	ERB
FCISrvRouterERB	ERB

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

**ORACLE WebLogic Server Administration Console 12c**

Home | Log Out | Preferences | Record | Help

Welcome, infra | Connected

Home > Summary of Deployments > GWEJB(12.2.0.0.0) > Summary of Deployments

Summary of Deployments

Configuration | Control | Monitoring

This page displays the list of Java EE applications and standalone application modules installed to this domain.

You can start and stop applications and modules from this domain by selecting the checkbox next to the application name and then using the controls on this page.

Customize this table

Deployments

Start | Stop

Name	State	Health	Type	Targets	Scope	Domain Partition
<input type="checkbox"/> Servicing all requests <input type="checkbox"/> Servicing only administration requests	Active	OK	Resource Adapter	Admin_PM1TR2	Global	
<input type="checkbox"/> DHS Application (12.2.1.0.0)	Active	OK	Web Application	Admin_PM1TR2	Global	
<input type="checkbox"/> em	Active	OK	Enterprise Application	Admin_PM1TR2	Global	
<input type="checkbox"/> FCINameProcERB (12.2.0.0.0)	Active	Warning	Enterprise Application	payments_server1	Global	
<input checked="" type="checkbox"/> GWEJB (12.2.0.0.0)	Prepared	OK	Enterprise Application	payments_server1	Global	
<input type="checkbox"/> oppo-rest	Active	OK	Web Application	Admin_PM1TR2	Global	
<input type="checkbox"/> PaymentStubs	Active	OK	ERB	payments_server1	Global	
<input type="checkbox"/> state-management-provider-memory-ear	Active	OK	Resource Adapter	Admin_PM1TR2	Global	

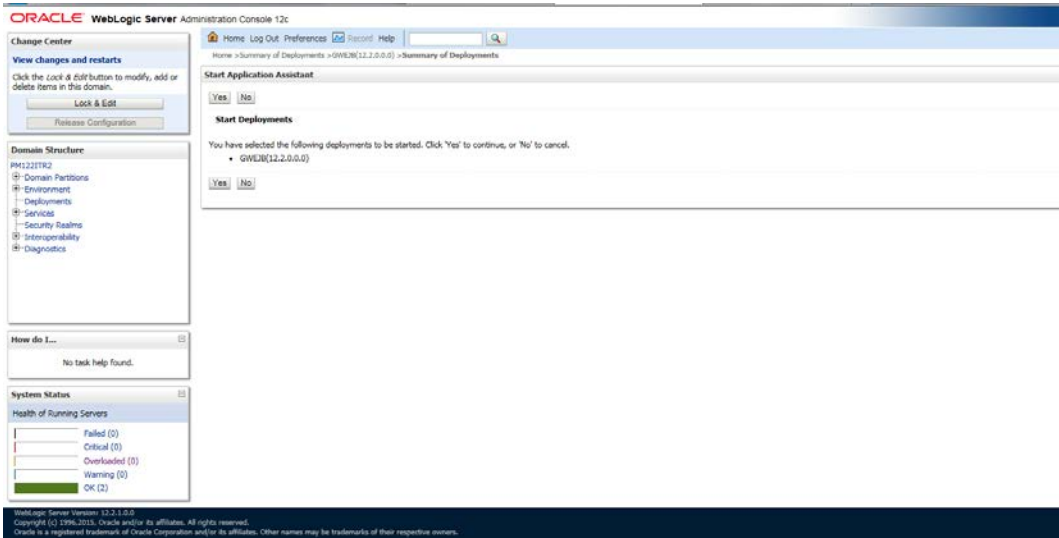
Showing 1 to 8 of 8 | Prev | Next

Showing 1 to 8 of 8 | Prev | Next

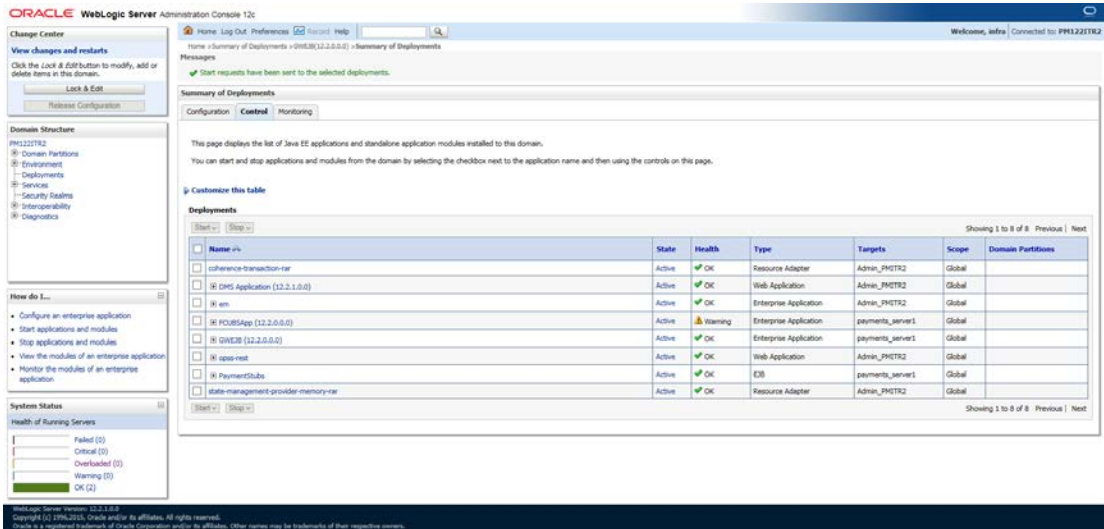
WebLogic Server Version 12.2.1.0.0  
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21. Click 'Start' drop-down button and select 'Servicing all requests'.

22. The following screen is displayed.



23. Click 'Yes'. The following screen is displayed.



This completes the deployment process.





Deploying Oracle FLEXCUBE on WebLogic  
[December] [2016]  
Version 12.3.0.0.0

Oracle Financial Services Software Limited  
Oracle Park  
Off Western Express Highway  
Goregaon (East)  
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India

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Fax: +91 22 6718 3001  
[www.oracle.com/financialservices/](http://www.oracle.com/financialservices/)

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