

Deploying Oracle Banking Treasury Management Application  
on WebLogic  
Oracle Banking Treasury Management  
Release 14.6.0.0.0  
Part No. F56497-01  
[May] [2022]



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# 1. Deploying Oracle Banking Treasury Management on WebLogic

## 1.1 Introduction

This chapter explains the steps to deploy Oracle Banking Treasury Management application into Oracle WebLogic application server.

## 1.2 Building Application

For building Oracle Banking Treasury Management Application, refer to the following chapters.

### 1.2.1 Building Application

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

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

## 1.3 Deploying Application in Oracle WebLogic

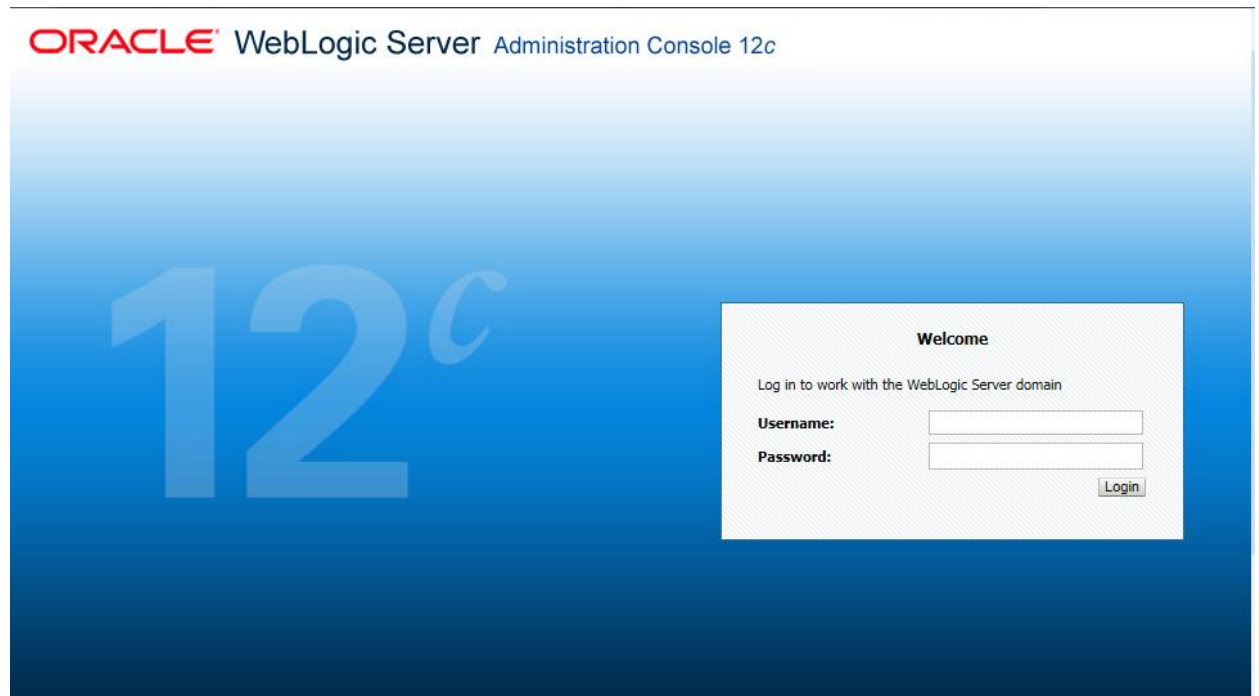
This section explains the method of deploying Oracle Banking Treasury Management Application into Oracle WebLogic application server.

### 1.3.1 Deploying Integration Adapter EAR from WebLogic Administration Console

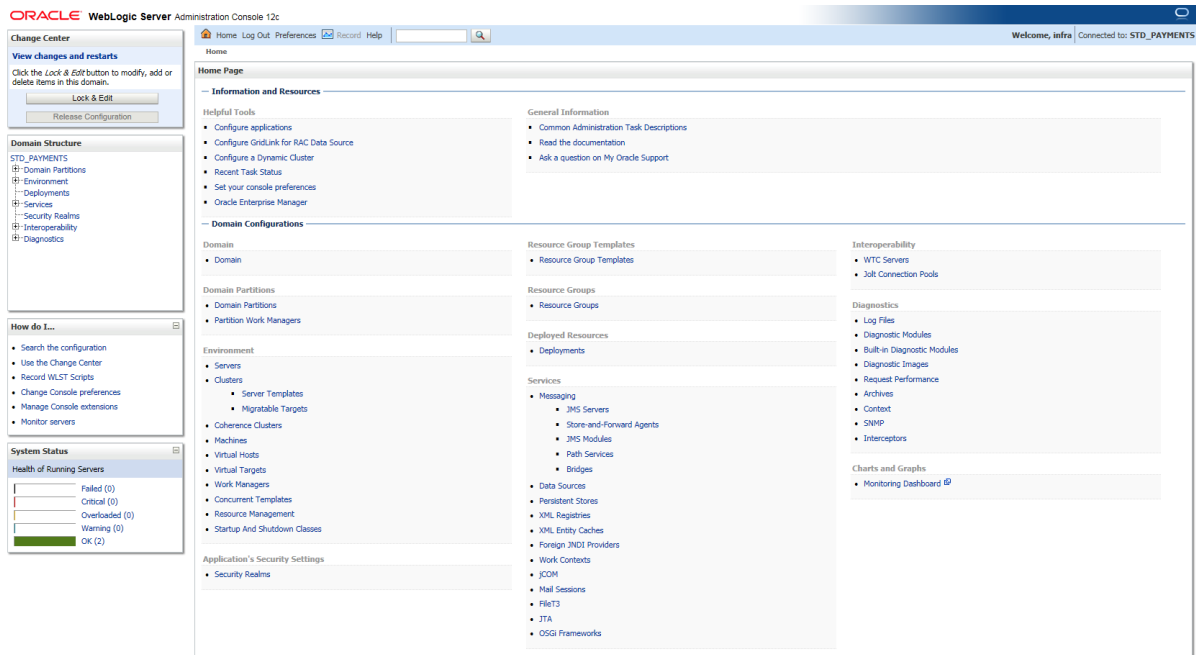
To deploy Oracle Banking Treasury Management Application from Oracle WebLogic administration console, follow the steps given below.

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'.



- ORACLE WebLogic Server Administration Console** | Home | Log Out | Preferences | Record | Help | Welcome, infra | Connected to: STD\_PAYMENTS

---

### 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\_PAYMENTS
    - Domain Partitions
    - Environment
    - Deployments**
    - Services
    - Security Realms
    - Interoperability
    - Diagnostics  

### How do I...

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

### System Status

**Health of Running Services**

Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
<b>OK (2)</b>

### 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 (redploy) 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

[Install](#) | [Update](#) | [Delete](#)

Showing 1 to 60 of 60 Previous Next

<input type="checkbox"/>	Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
<input type="checkbox"/>	/adf.oracle.businessadaptor(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-var	Active	✓ OK	Resource Adapter	AdminServer_payments, pm_server1	Global		100
<input checked="" type="checkbox"/>	/CMS Application (12.2.1.0.0)	Active	✓ OK	Web Application	AdminServer_payments, pm_server1	Global		5
<input checked="" type="checkbox"/>	/esb-em	Active	✓ OK	Enterprise Application	AdminServer_payments	Global		400
<input type="checkbox"/>	/emagentcdkimpl_jar(12.4.12.1.0.4.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	/emagentcdk_impl_jar(12.4.12.1.0.4.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	/emagentcdk_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"/>	/emencore	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	/emencoreclient_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	/emencorecommon_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	/emencoreconsole_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	/emencorecsdbck_jar(11.2.0.1.0,12.1.0.0.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	/emencoreimpl_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	/emencoreimpl_jar(11.2.0.1.0,12.1.0.0.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	/emencorecsdbck_jar(11.2.0.1.0,12.1.0.0.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	/emencore_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_wss_rpc_scts.jar	Active		Library	AdminServer_payments	Global		100

- ORACLE WebLogic Server® Administration Console

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: FCUBS11

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

FCUBS11
  - Environments
    - 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 modular in an Enterprise application

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.

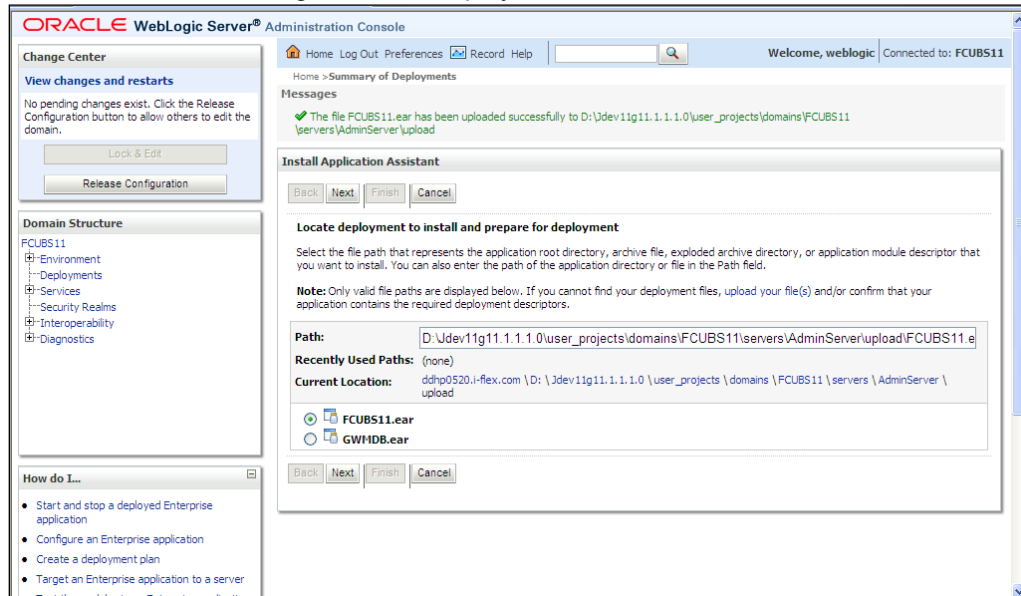
Path:

Recently Used Paths: (none)

Current Location: ddhp0520.i-flex.com \D:
  - 11.0
  - 9NT1272
  - APPOINT SOFTWARE SOLUTIONS
  - backup
  - bea
  - bea11g
  - bea\_100
  - BmDbgs
  - ClearCase
  - CRC
  - Desktop
  - Documents and Settings

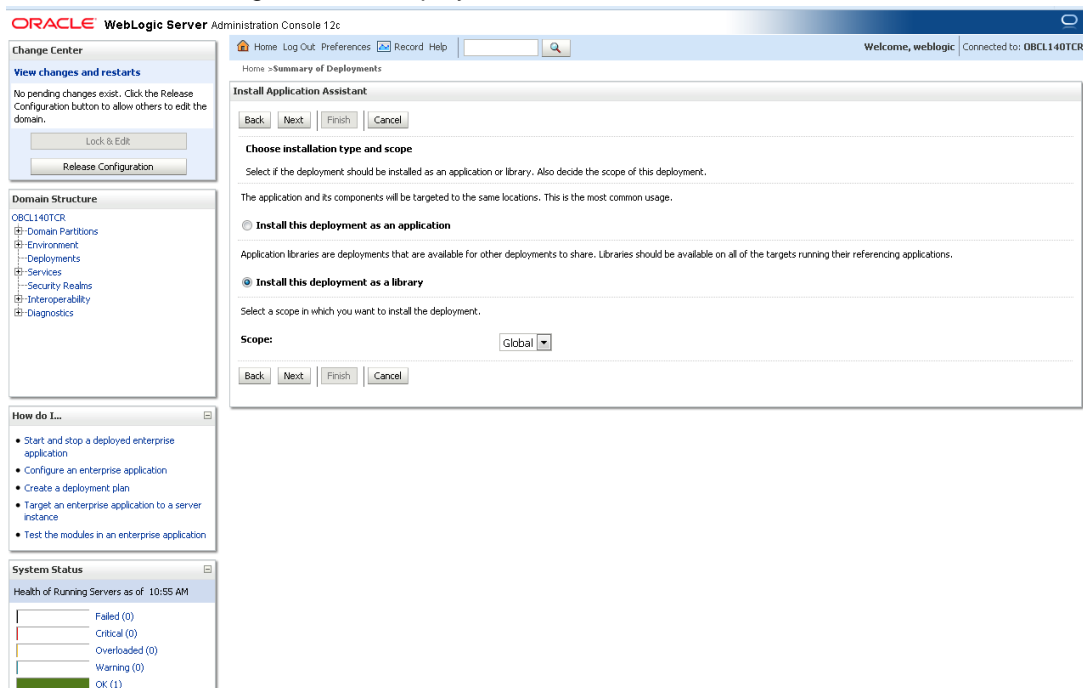
- ORACLE®

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



8. Select the application Adapter EAR from the list.

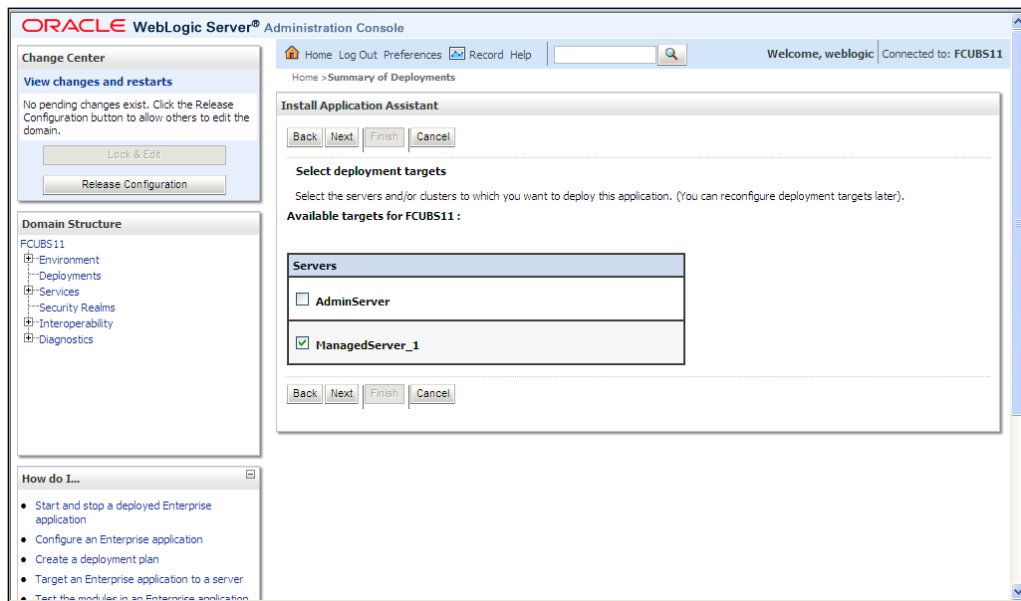
9. Click 'Next'. Following screen is displayed:



10. Choose the targeting style 'Install this deployment as a library'.

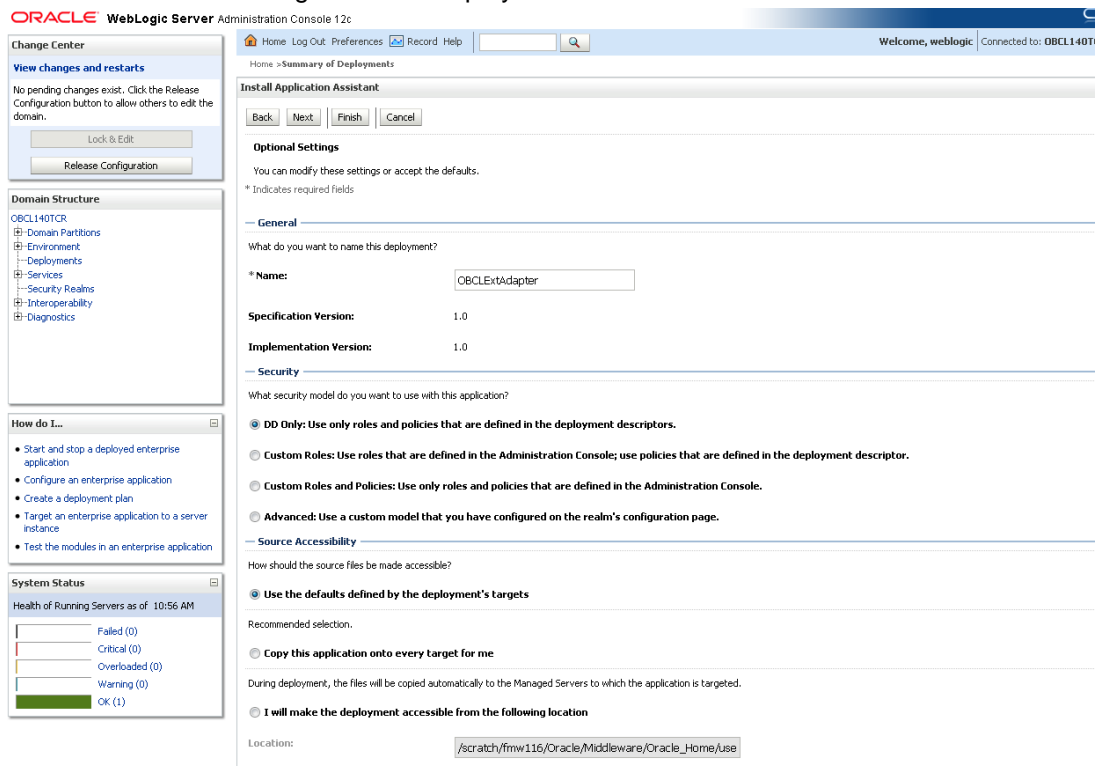
11. Click 'Next'.

12. 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.

## 16. The remaining portion of the screen is shown below:

The screenshot shows the Oracle WebLogic Server Administration Console. On the left, there is a 'Change Center' panel with 'View changes and restarts' and 'Release Configuration' buttons. Below it is the 'Domain Structure' tree showing 'OBCL140TCR' and its sub-nodes. Further down is a 'How do I...' section with links to start/stop, configure, create deployment plan, target application, and test modules. At the bottom is a 'System Status' panel showing 'Health of Running Servers as of 10:57 AM' with a bar chart indicating 'OK (1)'.

The main content area is titled 'Home > Summary of Deployments' and shows the 'Install Application Assistant' for 'OBCL140TCR'. It includes a 'Review your choices and click Finish' section with a 'Finish' button. Below this is an 'Additional Configuration' section with a radio button selected for 'Yes, take me to the deployment's configuration screen.' A 'Summary' section shows the deployment path, name 'OBCL140TCR', staging mode 'Use the defaults defined by the chosen targets', security model 'DDOnly', and scope 'Global'. A 'Target Summary' table is displayed:

Components	Targets
OBCL140TCR	AdminServer_OBCL140TCR

At the bottom of the main area are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

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

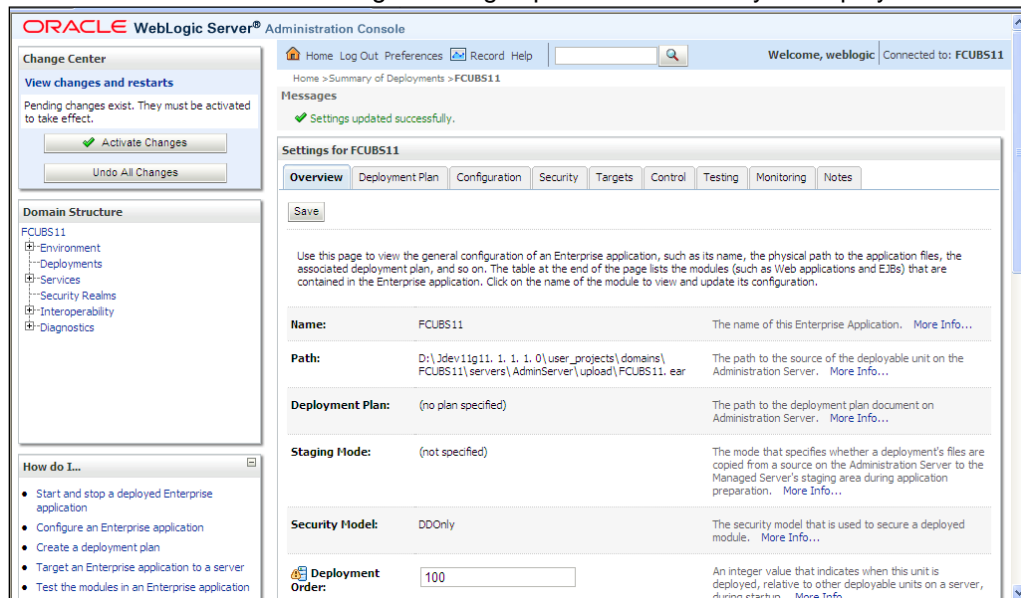
The screenshot shows the Oracle WebLogic Server Administration Console. On the left, the 'Change Center' panel shows 'Activate Changes' and 'Undo All Changes' buttons. The 'Domain Structure' tree shows 'FCUBS11' and its sub-nodes. The 'How do I...' section is also present.

The main content area is titled 'Home > Summary of Deployments > FCUBS11' and shows the 'Settings for FCUBS11' page. It includes a 'Save' button and a description of the page's purpose. A table lists the configuration settings for the application:

Setting	Value	Description
Name	FCUBS11	The name of this Enterprise Application.
Path	D:\dev11g11.1.1.1.0\user_projects\domains\FCUBS11\servers\AdminServer\upload\FCUBS11.ear	The path to the source of the deployable unit on the Administration Server.
Deployment Plan	(no plan specified)	The path to the deployment plan document on Administration Server.
Staging Mode	(not specified)	The mode that specifies whether a deployment's files are copied from a source on the Administration Server to the Managed Server's staging area during application preparation.
Security Model	DDOnly	The security model that is used to secure a deployed module.
Deployment Order	100	An integer value that indicates when this unit is deployed, relative to other deployable units on a server, during startup.
Deployment		A string value that indicates what principal should be used when deploying the file or archive during startup.



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



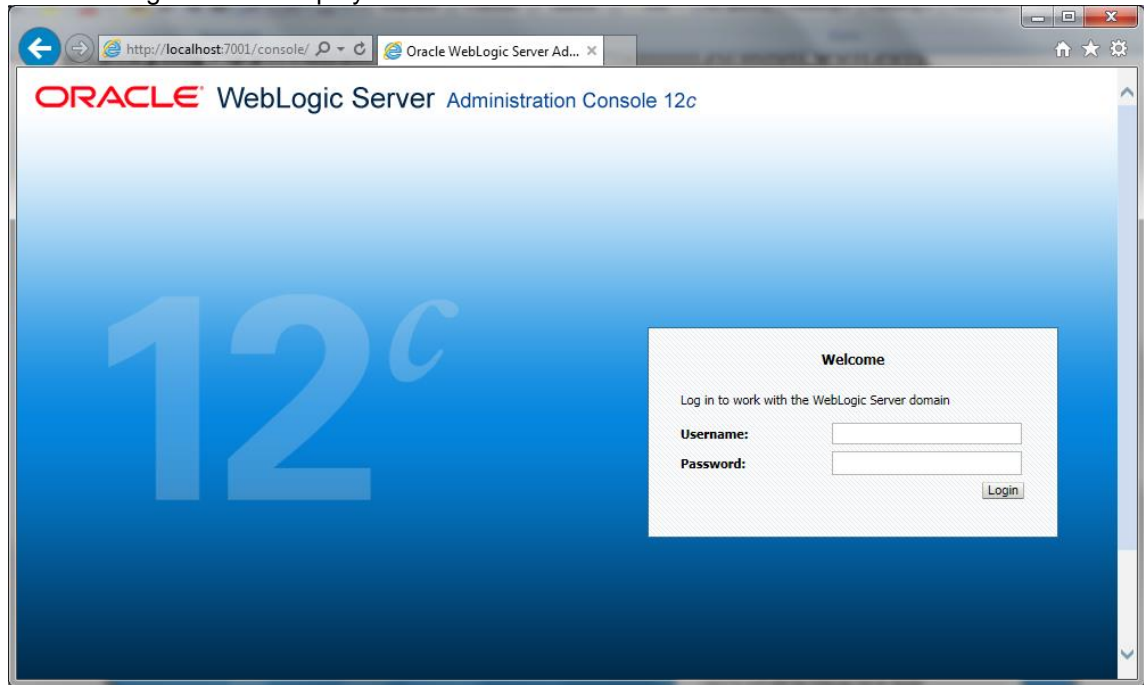
19. Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed.

### 1.3.2 Deploying Dependency Library "Jax-RS"

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

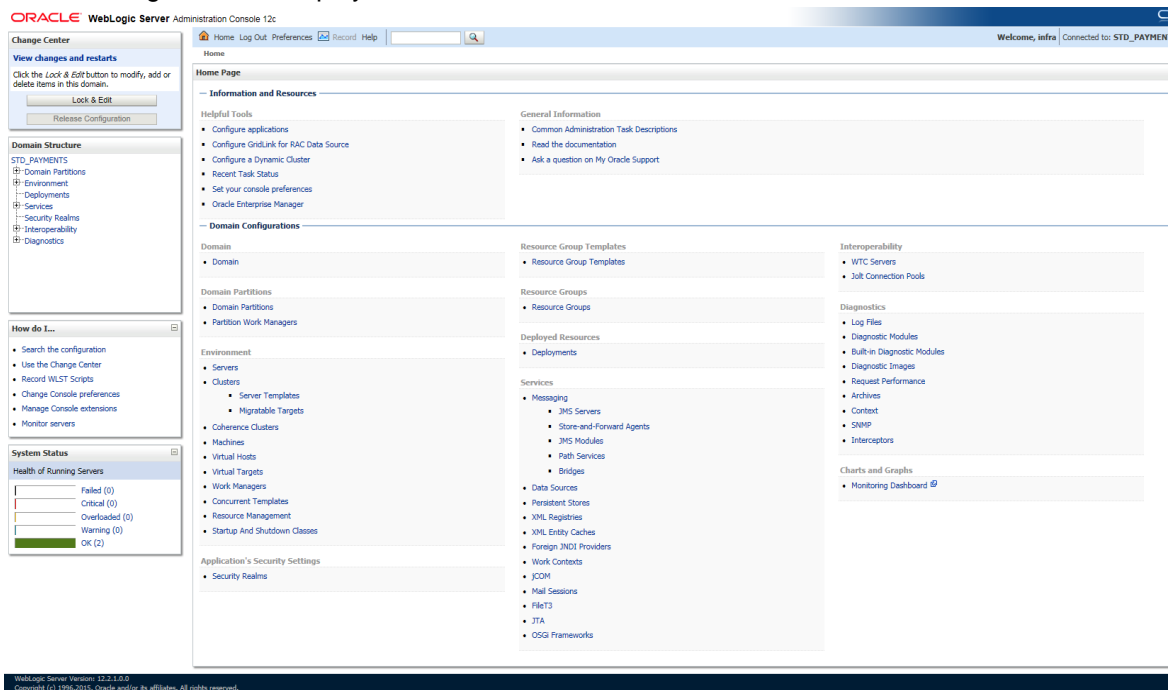
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.  
Eg: <http://10.10.10.10:1001/console>

2. The following screen is displayed:



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

The following screen is displayed:



#### 4. Click install button

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, infra Connected to: STD\_PAYMENTS

**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\_PAYMENTS  
Domain Partitions  
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 EJB 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**  
Install Update Delete

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
adf.oracle.businesseditor(1.0,12.2.1.0.0)	Active		Library	AdminServer_payments, pm_server1	Global	100	
adf.oracle.domain(1.0,12.2.1.0.0)	Active		Library	AdminServer_payments, pm_server1	Global	100	
adf.oracle.domain.webapp(1.0,12.2.1.0.0)	Active		Library	AdminServer_payments, pm_server1	Global	100	
coherence-transaction-rar	Active	OK	Resource Adapter	AdminServer_payments, pm_server1	Global	100	
DMS Application (12.2.1.0.0)	Active	OK	Web Application	AdminServer_payments, pm_server1	Global	5	
em	Active	OK	Enterprise Application	AdminServer_payments	Global	400	
emagenttaskimpl_jar(12.4,12.1.0.4.0)	Active		Library	AdminServer_payments	Global	100	
emagenttaskimpl_jar(12.4,12.1.0.4.0)	Active		Library	AdminServer_payments	Global	100	
emagenttask_jar(12.4,12.1.0.4.0)	Active		Library	AdminServer_payments	Global	100	
emas	Active		Library	AdminServer_payments	Global	100	
emcore	Active		Library	AdminServer_payments	Global	100	
emcoreclient_jar	Active		Library	AdminServer_payments	Global	100	
emcorecommon_jar	Active		Library	AdminServer_payments	Global	100	
emcoreconsole_jar	Active		Library	AdminServer_payments	Global	100	
emcoreend_jar(11.2.0.1.0,12.1.0.0.0)	Active		Library	AdminServer_payments	Global	100	
emcoreepbs_jar	Active		Library	AdminServer_payments	Global	100	
emcoresdkimpl_jar(11.2.0.1.0,12.1.0.0.0)	Active		Library	AdminServer_payments	Global	100	
emcoresdk_jar(11.2.0.1.0,12.1.0.0.0)	Active		Library	AdminServer_payments	Global	100	
emcore_jar	Active		Library	AdminServer_payments	Global	100	
em_common(12.4,12.1.0.4.0)	Active		Library	AdminServer_payments	Global	100	
em core ppc polo jar	Active		Library	AdminServer_payments	Global	100	

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

**Domain Structure**  
SOADOM3  
Domain Partitions  
Environment  
Deployments  
Services  
Messaging  
Data Sources  
Persistent Stores  
Foreign JNDI Providers  
Work Contexts  
XML Registries  
XML Entity Caches  
JCOM  
Mail Sessions

**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 6:13 PM  
Failed (0)  
Critical (0)  
Overloaded (0)  
Warning (0)  
OK (2)

**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/app/bpm12212/user\_projects/domains/SOADOM3/servers/AdminServer/upload/jax-rs-2.0.war/app/jax-rs-2.0.war

**Recently Used Paths:** /scratch/app/bpm12212/user\_projects/domains/SOADOM3/servers/AdminServer/upload/FCUBS.ear/app

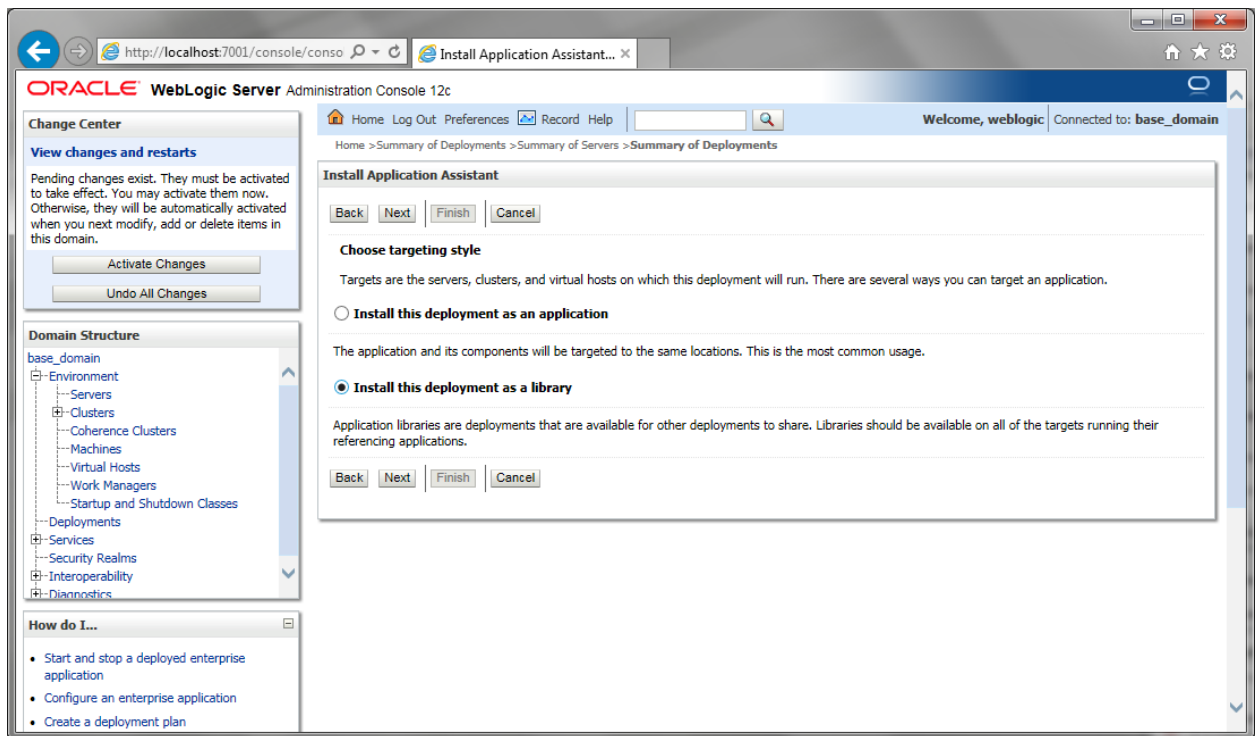
**Current Location:** 10.184.158.197 / scratch / app / bpm12212 / user\_projects / domains / SOADOM3 / servers / AdminServer / upload / jax-rs-2.0.war / app

**jax-rs-2.0.war**

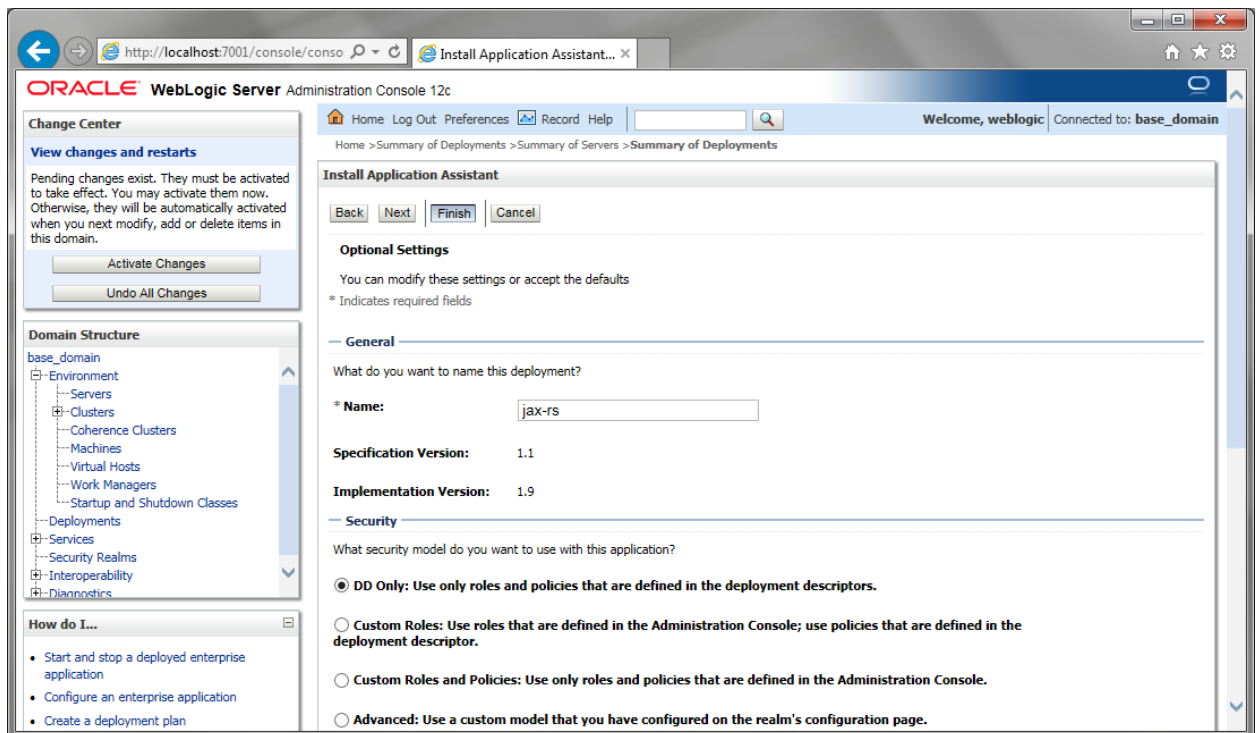
Back Next Finish Cancel

WebLogic Server Version: 12.2.1.2.0  
Copyright (c) 1996-2016, Oracle and/or its affiliates. All rights reserved.

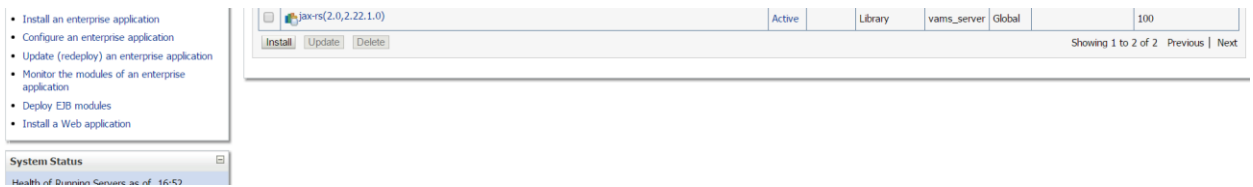
Navigate and select jersey bundle under the path “w\server\common\deployable-libraries\jax-rs-2.0.war” and click next



Select “install this deployment as library”, select target server as managed server and click next.



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 OBTR Application from WebLogic Administration Console**

To deploy Oracle Banking Treasury Management 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:

The screenshot displays the Oracle WebLogic Server Administration Console 12c Home Page. The interface is divided into several sections:

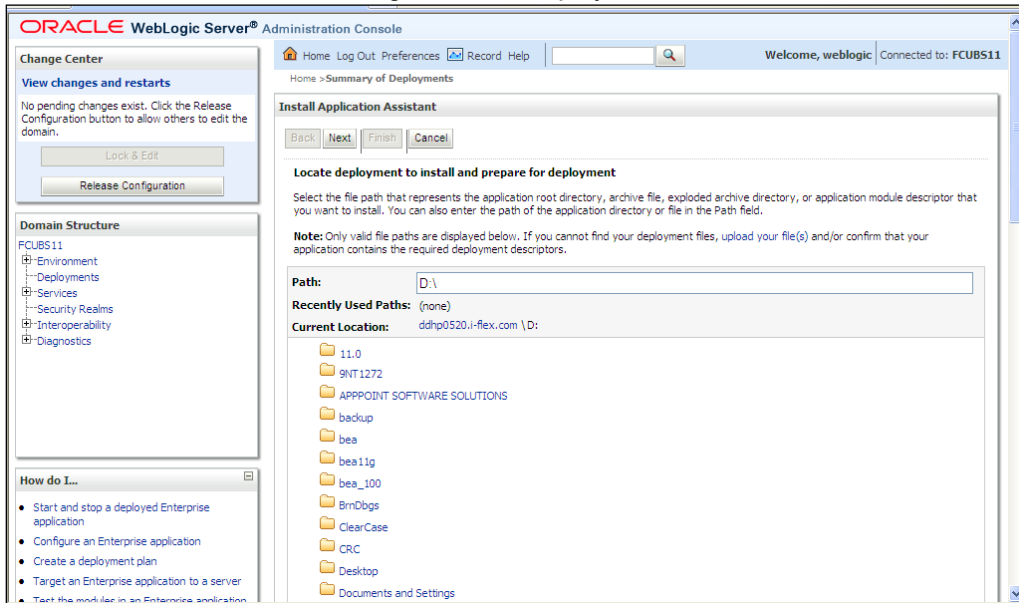
- Change Center:** Includes a 'View changes and restarts' section with a 'Lock & Edit' button and a 'Release Configuration' button.
- Domain Structure:** Shows a tree view of the domain structure, including 'STD\_PAYMENTS', 'Domain Partitions', 'Environment', 'Deployments', 'Services', 'Security Realms', 'Interoperability', and 'Diagnostics'.
- How do I...:** Provides a list of links for searching configuration, using the Change Center, recording WLST scripts, changing console preferences, managing console extensions, and monitoring servers.
- System Status:** Displays the 'Health of Running Servers' with a bar chart showing the status of various servers (Failed, Critical, Overloaded, Warning, OK).
- Home Page:** The main content area, featuring:
  - Information and Resources:** Includes 'Helpful Tools' (Configure applications, Configure GridLink for RAC Data Source, Configure a Dynamic Cluster, Recent Task Status, Set your console preferences, Oracle Enterprise Manager) and 'General Information' (Common Administration Task Descriptions, Read the documentation, Ask a question on My Oracle Support).
  - Domain Configurations:** Lists 'Domain', 'Domain Partitions', and 'Partition Work Managers'.
  - Resource Group Templates:** Shows 'Resource Group Templates'.
  - Resource Groups:** Lists 'Resource Groups'.
  - Deployed Resources:** Shows 'Deployments'.
  - Services:** Lists various services including JMS Servers, Store-and-Forward Agents, JMS Modules, Path Services, Bridges, Data Sources, Persistent Stores, XML Registries, XML Entity Caches, Foreign JNDI Providers, Work Contexts, JCOB, Mail Sessions, FileT3, JTA, and OSGI Frameworks.
  - Interoperability:** Lists 'WTC Servers' and 'Jolt Connection Pools'.
  - Diagnostics:** Includes 'Log Files', 'Diagnostic Modules', 'Built-in Diagnostic Modules', 'Diagnostic Images', 'Request Performance', 'Archives', 'Context', 'SNMP', and 'Interceptors'.
  - Charts and Graphs:** Includes a 'Monitoring Dashboard'.

3. You need to deploy an EAR. For e.g. 'OBTR.ear'. Go to 'Deployment'.

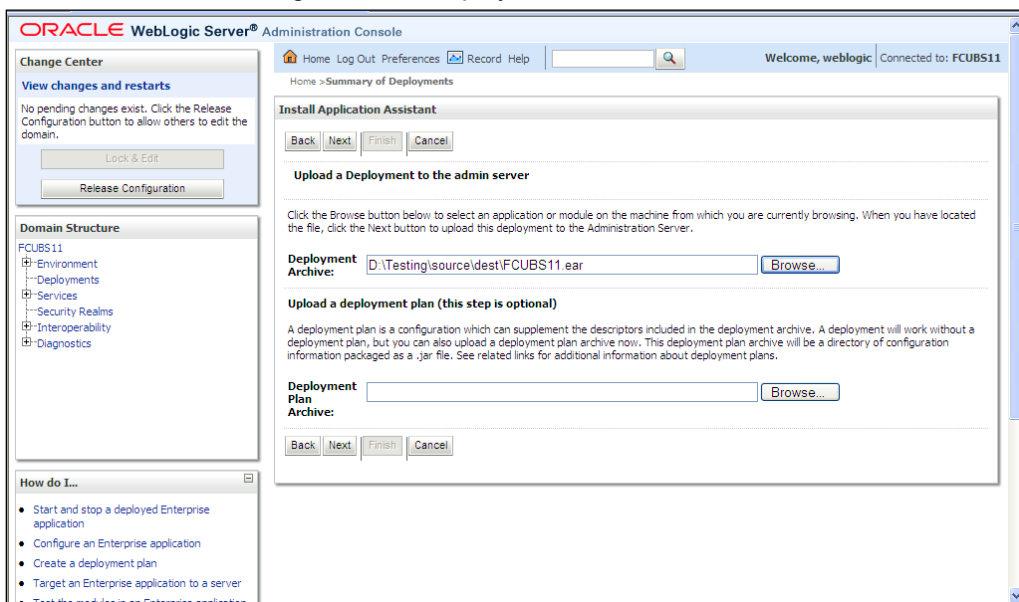
Click 'Lock & Edit' button to enable the buttons. This action enables the buttons.

The screenshot displays the Oracle WebLogic Server Administration Console 12c Summary of Deployments page. The page shows a table of deployed applications and modules. The table columns include Name, State, Health, Type, Targets, Scope, Domain Partitions, and Deployment Order. The table lists various applications and modules, including 'self.oracle.businesseditor(1.0,12.2.1.0.0)', 'self.oracle.domain(1.0,12.2.1.0.0)', 'self.oracle.domain.webapp(1.0,12.2.1.0.0)', 'coherence-transaction-war', 'JMS Application (12.2.1.0.0)', 'jms', 'jmsagentdimpl.jar(12.4.12.1.0.4.0)', 'jmsagentdimpl.jar(12.4.12.1.0.4.0)', 'jmsagentdimpl.jar(12.4.12.1.0.4.0)', 'jms', 'jmscore', 'jmscoreclient.jar', 'jmscorecommon.jar', 'jmscoreconsole.jar', 'jmscoreintl.jar(11.2.0.1.0,12.1.0.0.0)', 'jmscoreintl.jar', 'jmscoreintl.jar(11.2.0.1.0,12.1.0.0.0)', 'jmscoreintl.jar(11.2.0.1.0,12.1.0.0.0)', 'jmscoreintl.jar(11.2.0.1.0,12.1.0.0.0)', 'jmscore.jar', and 'jmscore.common(12.4,12.1.0.4.0)'.

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

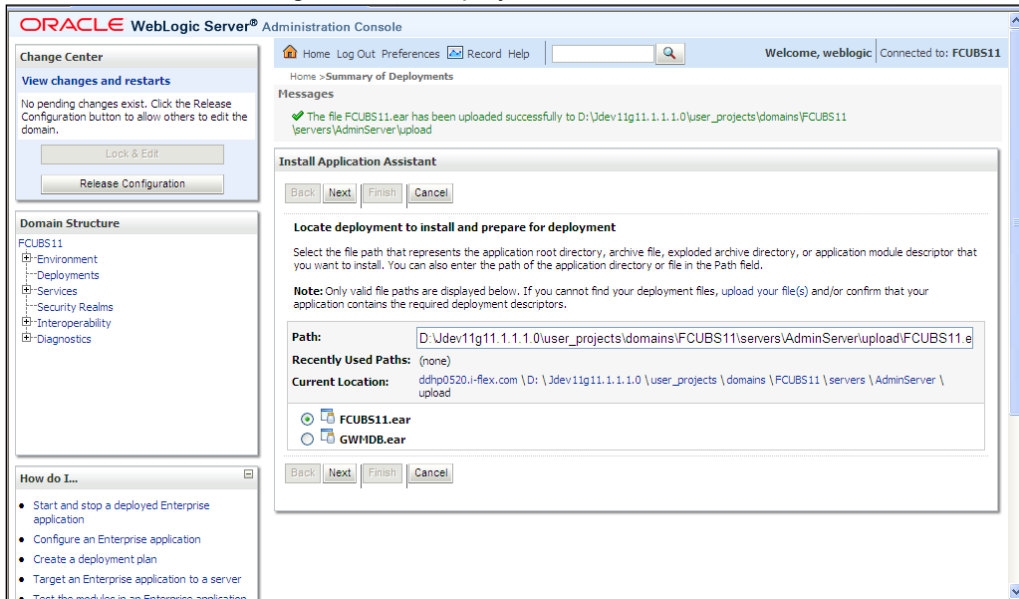


5. In order to specify the path/location of the enterprise archive file, click the link 'upload your file(s)'.  
6. Click 'Next'. The following screen is displayed:



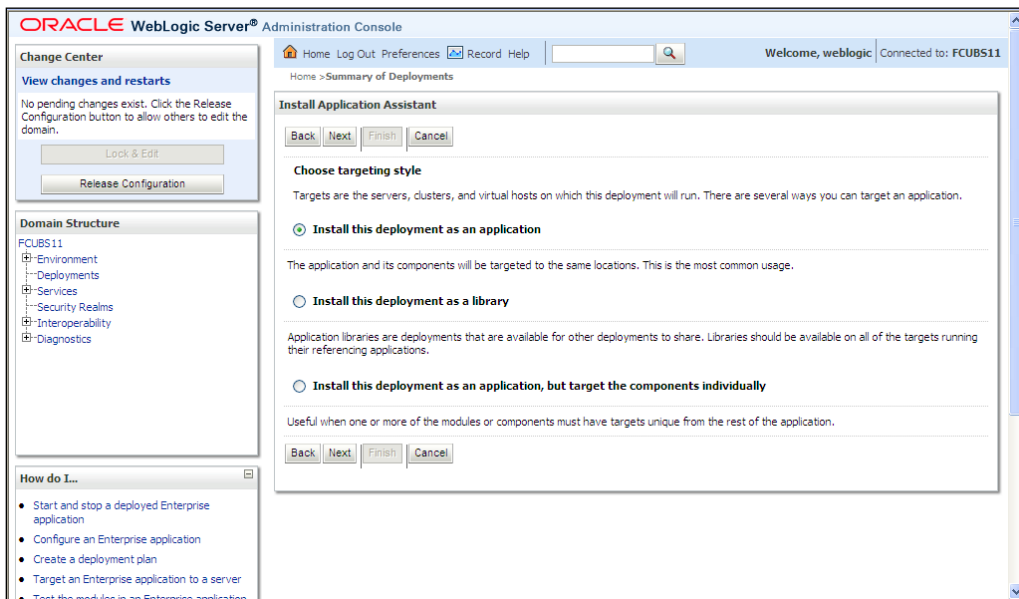
7. Specify the EAR file path. You can use the 'Browse' button to locate the file.

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



9. Select the application OBTR EAR created from the list.

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

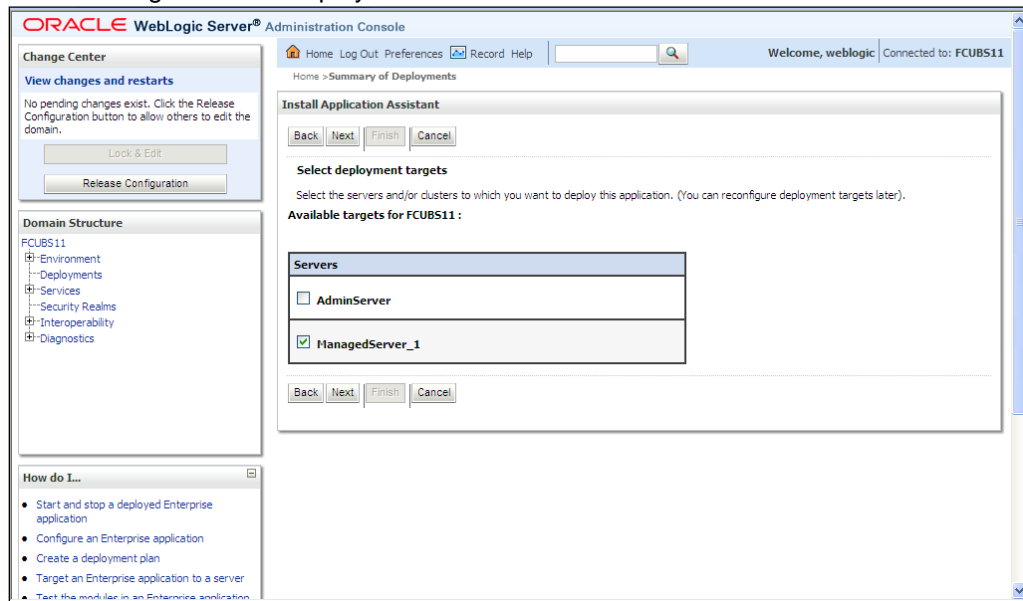


11. Choose the targeting style 'Install this deployment as an application'.

12. Click 'Next'.

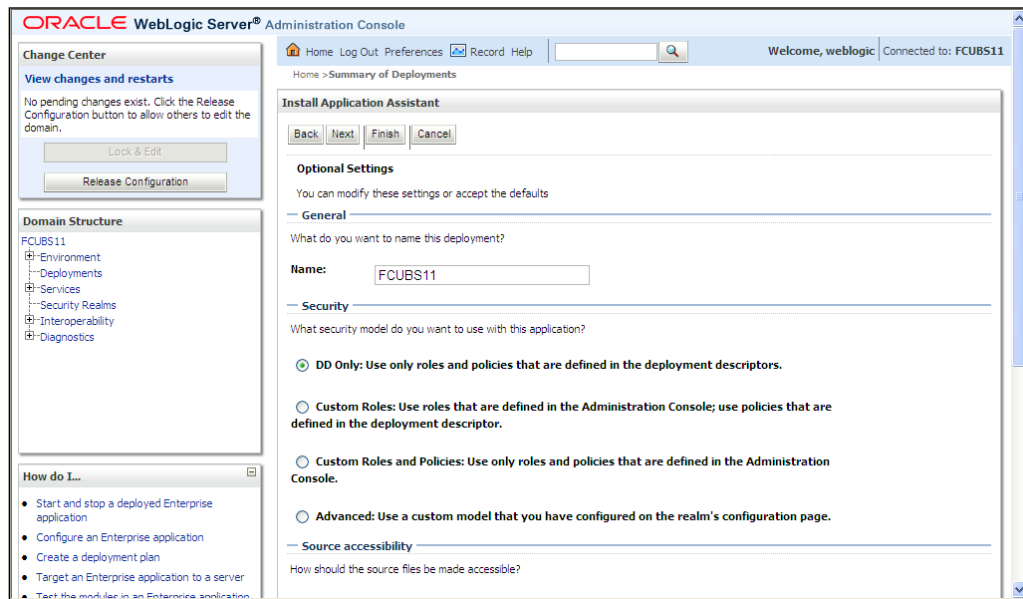


The following screen is displayed



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

14. Click 'Next'. The following screen appears.



15. Check the deployment name.

The remaining portion of the screen is shown below:

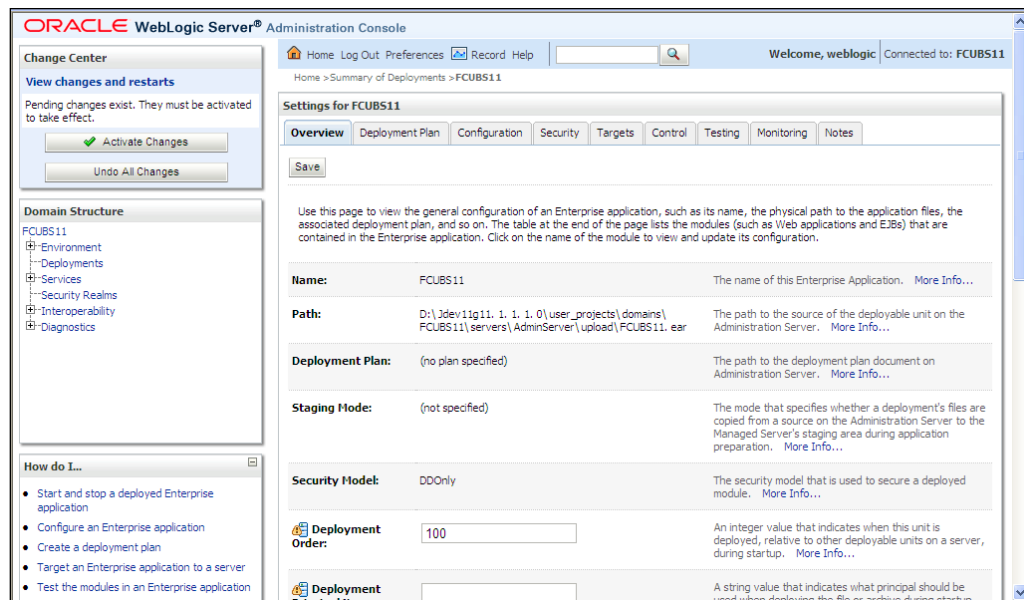
The screenshot shows the 'Security' and 'Source accessibility' configuration screens. The left sidebar contains a tree view with 'Security Realms', 'Interoperability', and 'Diagnostics'. Below the tree is a 'How do I...' section with a list of tasks: 'Start and stop a deployed Enterprise application', 'Configure an Enterprise application', 'Create a deployment plan', 'Target an Enterprise application to a server', and 'Test the modules in an Enterprise application'. Below that is a 'System Status' section showing 'Health of Running Servers' with a progress bar and status indicators: 'Failed (0)', 'Critical (0)', 'Overloaded (0)', 'Warning (0)', and 'OK (1)'. The main content area is divided into two sections: 'Security' and 'Source accessibility'. The 'Security' section asks 'What security model do you want to use with this application?' and has three radio button options: 'DD Only: Use only roles and policies that are defined in the deployment descriptors.' (selected), 'Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.', and 'Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.'. The 'Source accessibility' section asks 'How should the source files be made accessible?' and has two radio button options: 'Use the defaults defined by the deployment's targets' (selected) and 'Copy this application onto every target for me'. Below the 'Source accessibility' section is a 'Location' text box containing 'D:\dev11g11.1.1.0\user\_projects\domains\FCUBS11\src' and a 'Recommended selection' section with a radio button option 'I will make the deployment accessible from the following location'. At the bottom are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

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

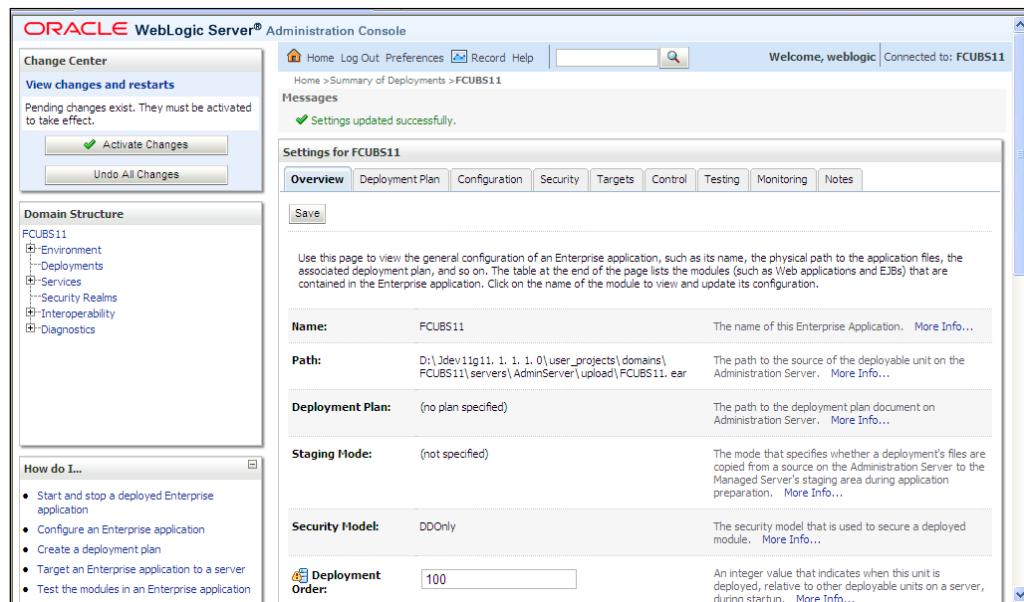
The following screen is displayed.

The screenshot shows the 'Install Application Assistant' screen. The left sidebar contains a tree view with 'Domain Structure', 'Environment', 'Deployments', 'Services', 'Security Realms', 'Interoperability', and 'Diagnostics'. Below the tree is a 'How do I...' section with a list of tasks: 'Start and stop a deployed Enterprise application', 'Configure an Enterprise application', 'Create a deployment plan', 'Target an Enterprise application to a server', and 'Test the modules in an Enterprise application'. Below that is a 'System Status' section showing 'Health of Running Servers' with a progress bar and status indicators: 'Failed (0)', 'Critical (0)', 'Overloaded (0)', 'Warning (0)', and 'OK (1)'. The main content area is divided into two sections: 'Review your choices and click Finish' and 'Additional configuration'. The 'Review your choices and click Finish' section has a 'Click Finish to complete the deployment. This may take a few moments to complete.' message and a 'Click Finish to complete the deployment. This may take a few moments to complete.' message. The 'Additional configuration' section asks 'In order to work successfully, this application may require additional configuration. Do you want to review this application's configuration after completing this assistant?' and has two radio button options: 'Yes, take me to the deployment's configuration screen.' (selected) and 'No, I will review the configuration later.'. Below the 'Additional configuration' section is a 'Summary' section with a 'Deployment' text box containing 'D:\dev11g11.1.1.0\user\_projects\domains\FCUBS11\servers\AdminServer\upload\FCUBS11.ear', a 'Name' text box containing 'FCUBS11', and a 'Staging mode' text box containing 'Use the defaults defined by the chosen targets'. Below the 'Summary' section is a 'Security Model' text box containing 'DDOnly: Use only roles and policies that are defined in the deployment descriptors.'. At the bottom is a 'Target Summary' table with two columns: 'Components' and 'Targets'. The table contains one row: 'FCUBS11.ear' and 'ManagedServer\_1'. At the bottom are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

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

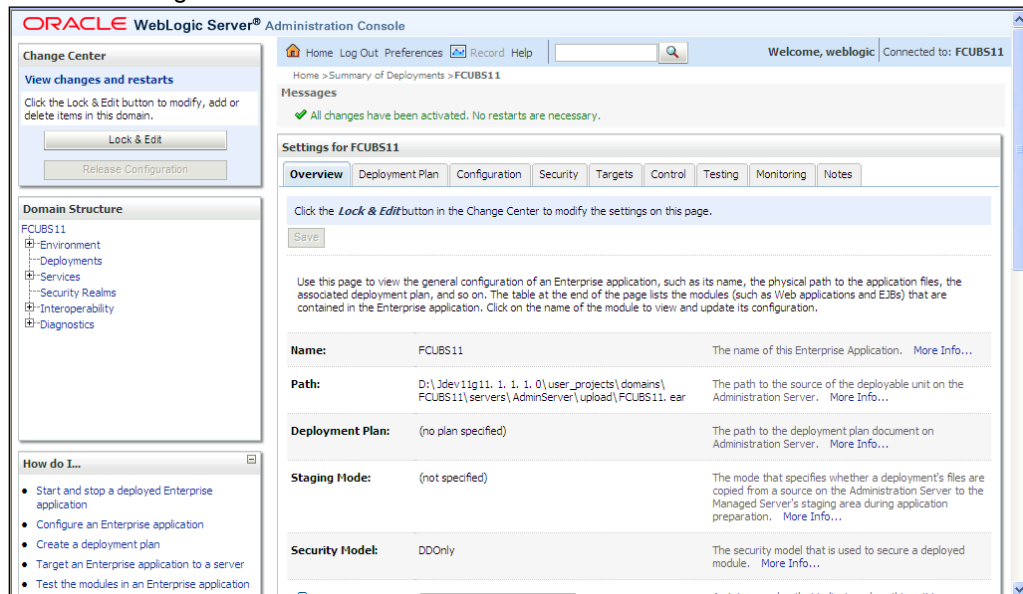


18. Click 'Save' button. The message 'Settings updated successfully' is displayed.

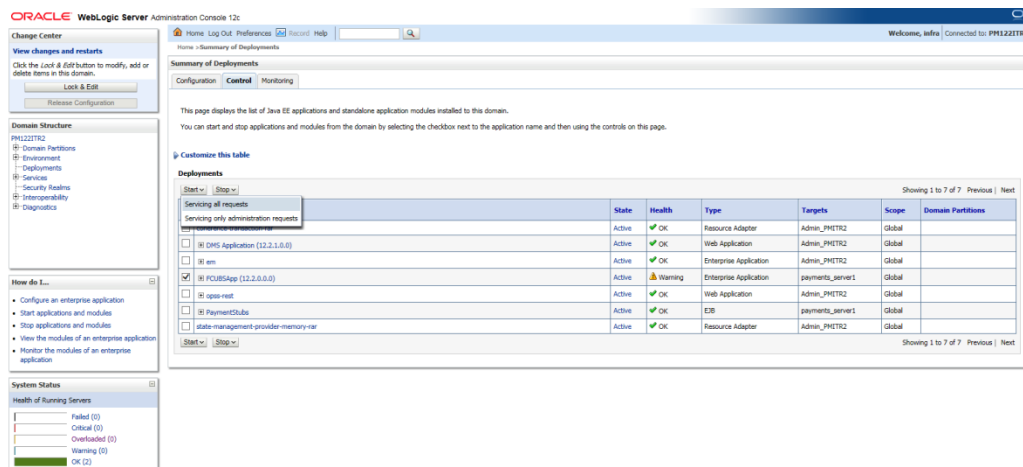


19. Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed.

The screen is given below:

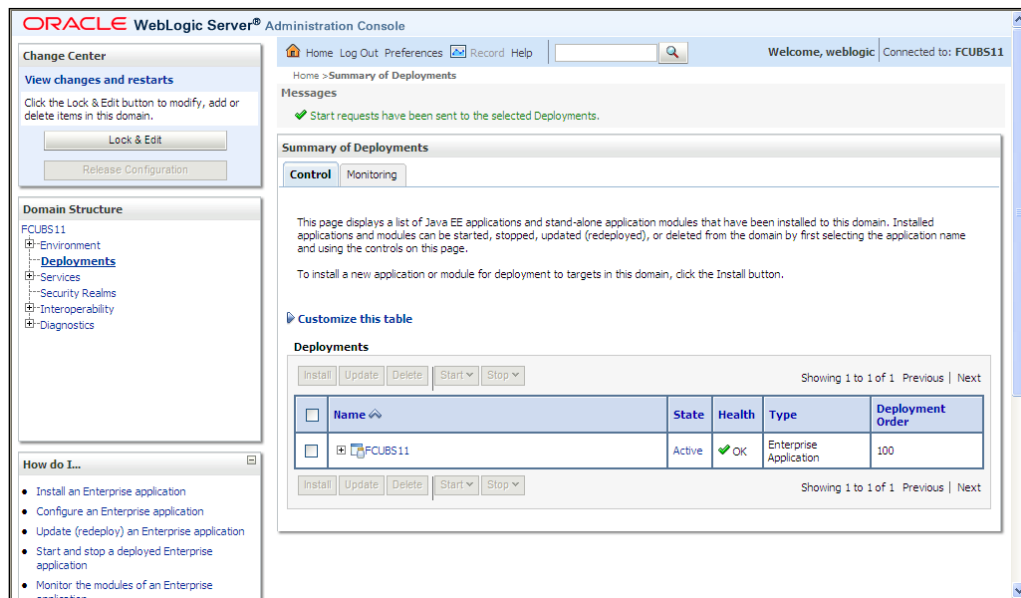
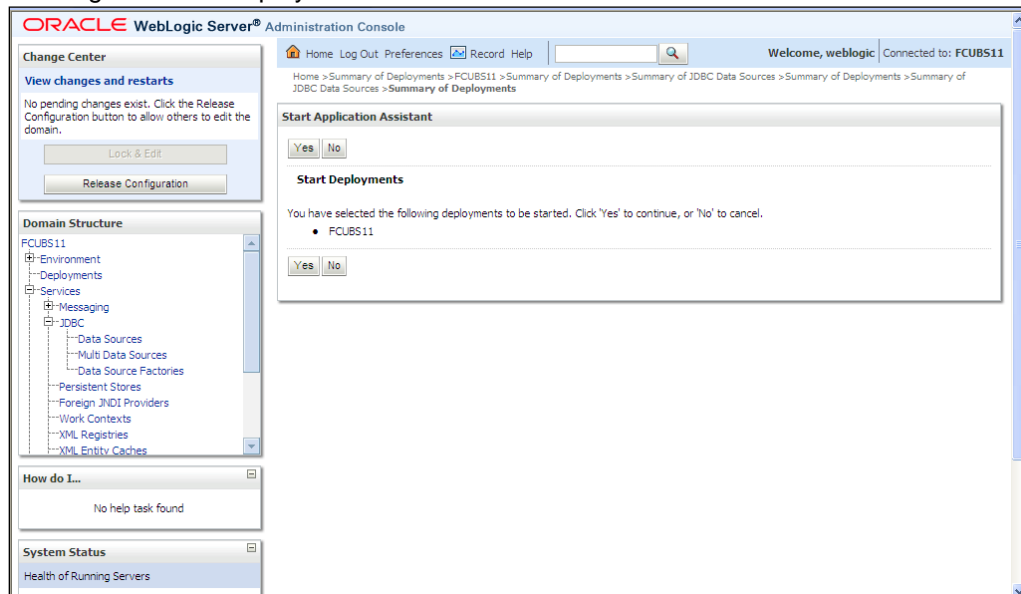


Click 'Deployment' on the left pane. Switch to Control tab .The following screen is displayed.



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

The following screen is displayed.



21. 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 Banking Treasury Management Gateway/Scheduler Application from Oracle WebLogic administration console, follow the steps given below.

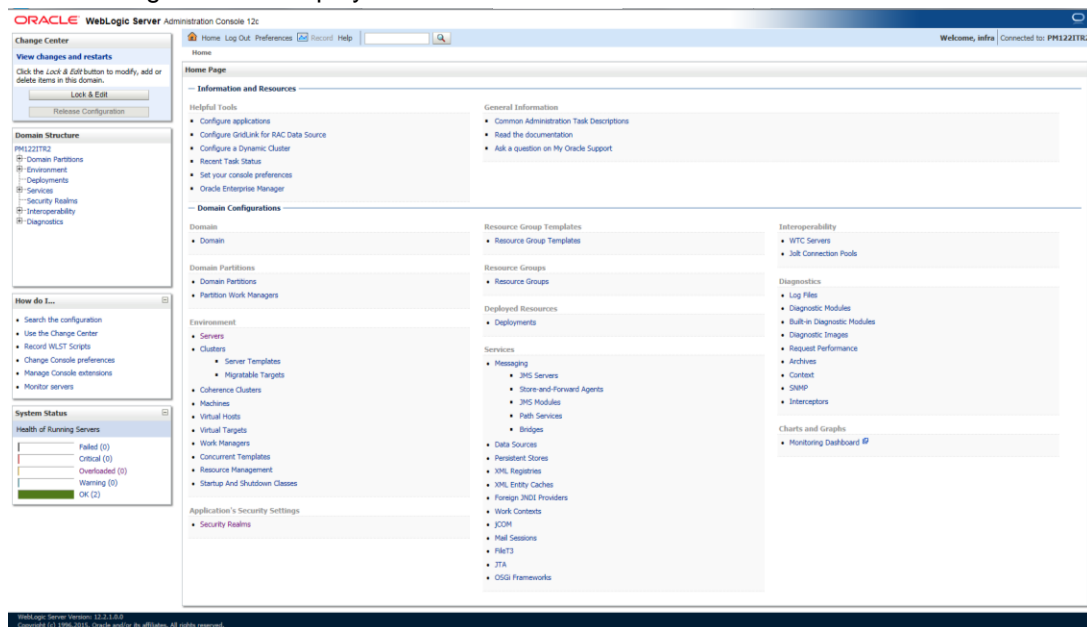
1. Launch Administrative Console of WebLogic application server. You can launch this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.  
Eg: <http://10.10.10.10:1001/console>

22. The following screen is displayed:



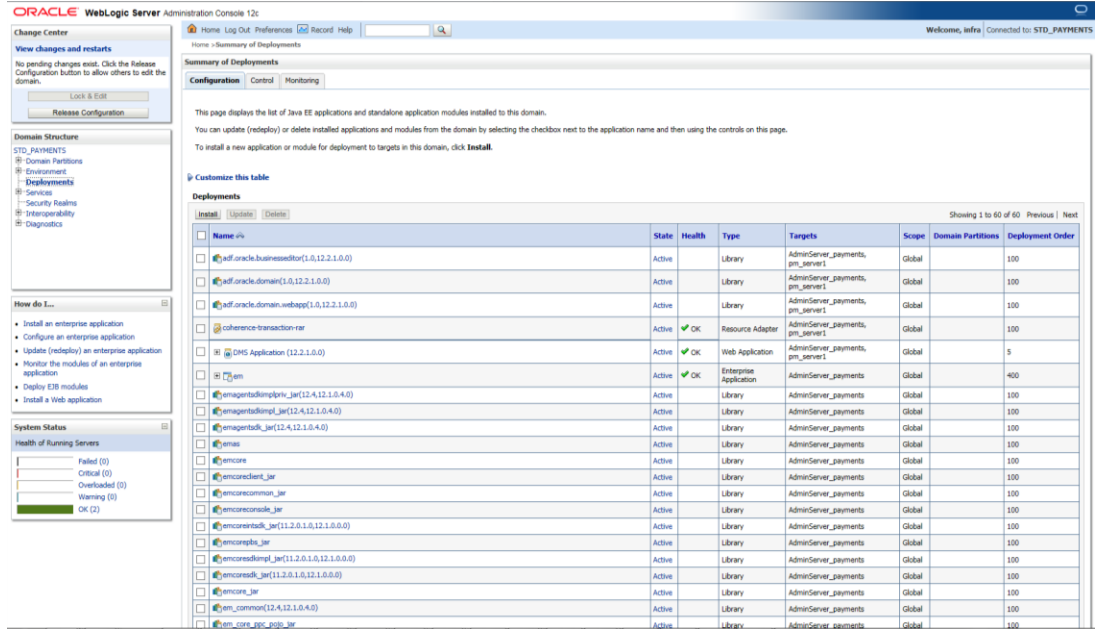
23. Specify the WebLogic administrator user name and password. Click 'Log In'.

The following screen is displayed:

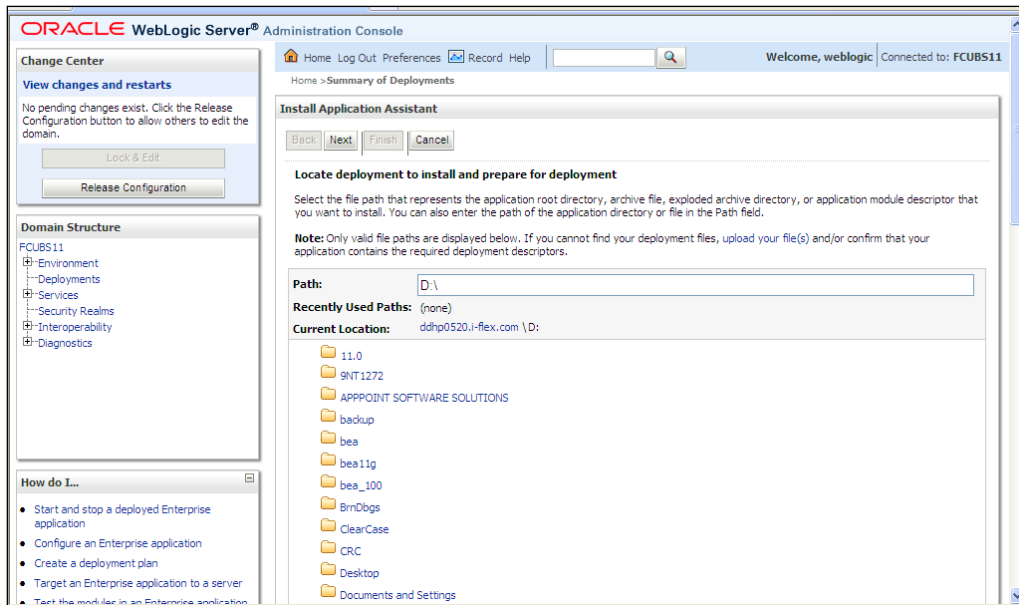


24. You need to deploy an EAR. For e.g. 'GWEJB.ear'. Go to 'Deployment'.

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

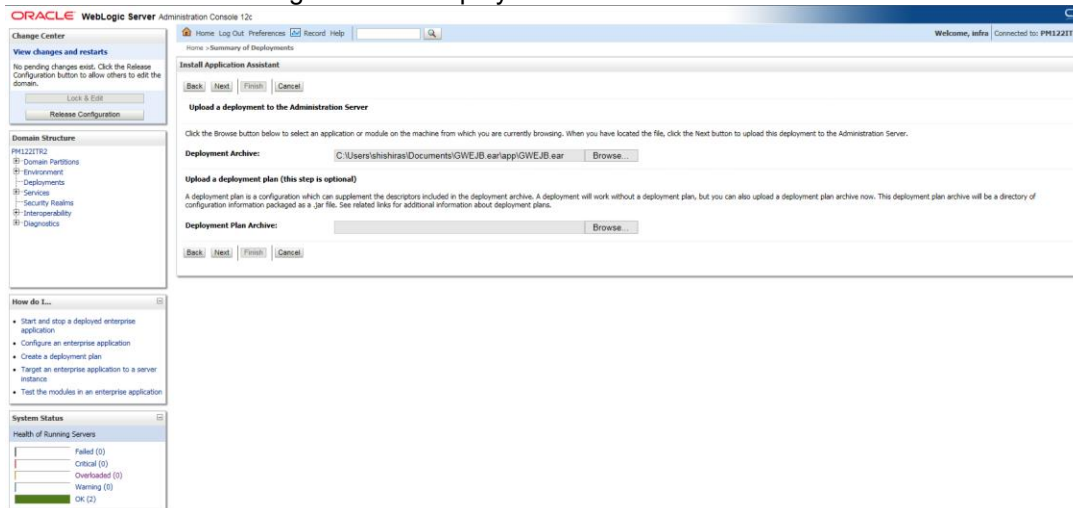


25. Click 'Install' button. The following screen is displayed:



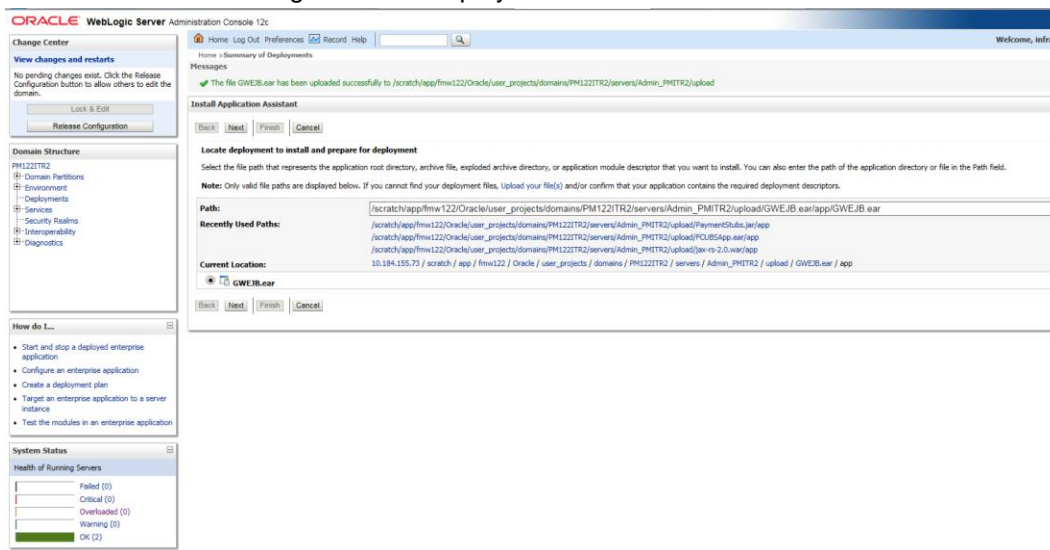
26. In order to specify the path/location of the enterprise archive file, click the link 'upload your file(s)'.

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



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

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



30. Select the application from the list.



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

The screenshot shows the 'Install Application Assistant' window in the Oracle WebLogic Server Administration Console 12c. The window has a sidebar on the left with sections: 'Change Center' (with 'View changes and restarts' and 'Release Configuration' buttons), 'Domain Structure' (a tree view showing 'PM1221TR2' and its sub-nodes: 'Domain Partitions', 'Environment', 'Deployments', 'Services', 'Security Realms', 'Interoperability', and 'Diagnostics'), 'How do I...' (a list of tasks), and 'System Status' (a 'Health of Running Servers' bar chart showing 'Failed (0)', 'Critical (0)', 'Overloaded (0)', 'Warning (0)', and 'OK (2)'). The main area is titled 'Install Application Assistant' and contains: 'Choose installation type and scope' with instructions and three radio buttons: 'Install this deployment as an application' (selected), 'Install this deployment as a library', and 'Install this deployment as an application, but target the components individually'; 'Scope:' with a dropdown menu set to 'Global'; and navigation buttons 'Back', 'Next', 'Finish', and 'Cancel'.

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

33. Click 'Next'.

The following screen is displayed

The screenshot shows the 'Select deployment targets' window in the Oracle WebLogic Server Administration Console 12c. The sidebar is identical to the previous screen. The main area is titled 'Select deployment targets' and contains: 'Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets later).'; 'Available targets for GWEJB :'; a table with two rows: 'Admin\_PM1TR2' (unchecked) and 'payments\_server1' (checked); and navigation buttons 'Back', 'Next', 'Finish', and 'Cancel'.

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

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

Oracle WebLogic Server Administration Console 12c

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: FCAPACK125

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

FCAPACK125

- Domain Partitions
- Environment
- Deployments
- Services
  - Messaging
  - Data Sources
  - Persistent Stores
  - Foreign JNDI Providers
  - Work Contexts
  - XML Registries
  - XML Entity Caches
  - JCOH
  - Mail Sessions

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 2:13 AM

Health	Count
Failed	(0)
Critical	(0)
Overloaded	(0)
Warning	(0)
OK	(2)

Install Application Assistant

Back Next Finish Cancel

Optional Settings

You can modify these settings or accept the defaults.

\* Indicates required fields

General

What do you want to name this deployment?

Name: GWEJB

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

Locations: /scratch/app/v121212/user\_projects/domains/FCAPACK125/serv

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

36. Check the deployment name.

The remaining portion of the screen is shown below:

FCAPACK125

- Domain Partitions
- Environment
- Deployments
- Services
  - Messaging
  - Data Sources
  - Persistent Stores
  - Foreign JNDI Providers
  - Work Contexts
  - XML Registries
  - XML Entity Caches
  - JCOH
  - Mail Sessions

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 2:13 AM

Health	Count
Failed	(0)
Critical	(0)
Overloaded	(0)
Warning	(0)
OK	(2)

General

What do you want to name this deployment?

Name: GWEJB

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

Locations: /scratch/app/v121212/user\_projects/domains/FCAPACK125/serv

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

Recommended selection.

Copy this plan onto every target for me

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

Do not copy this plan to targets

You must ensure the plan files exist in the shared location and that each target can reach the location.

Back Next Finish Cancel

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

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Home > Summary of Deployments

**Install Application Assistant**

Back Next Finish Cancel

**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/fmw122/Oracle/user\_projects/domains/PM1221TR2/servers/Admin\_PM1TR2/upload/GWEJB.ear/app/GWEJB.ear

**Name:** GWEJB

**Staging Mode:** Use the defaults defined by the chosen targets

**Plan Staging Mode:** Use the same accessibility as the application

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

**Scope:** Global

Components	Targets
GWEJB.ear	payments_server1

Back Next Finish Cancel

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

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, admin | Com

Home > Summary of Deployments > GWEJB(12.2.0.0.0)

**Settings for GWEJB(12.2.0.0.0)**

Overview Deployment Plan Configuration Security Targets Control Testing Monitoring Notes

Save

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 applications) 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 partition, or a resource template. [More Info...](#)

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

**Path:** /scratch/app/fmw122/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 Administration 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 on the Administration 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 deployable units during startup. [More Info...](#)

**Deployment Principal Name:** A string value that indicates the principal that should be used when deploying the file or arc and shutdown. This principal will be used to set the current subject when calling out into interfaces such as ApplicationLifecycleListener. If no principal name is specified, then the arc will be used. [More Info...](#)

Save

**Modules and Components**

Showing 1 to 1 of 1

Name
GWEJB (12.2.0.0.0)

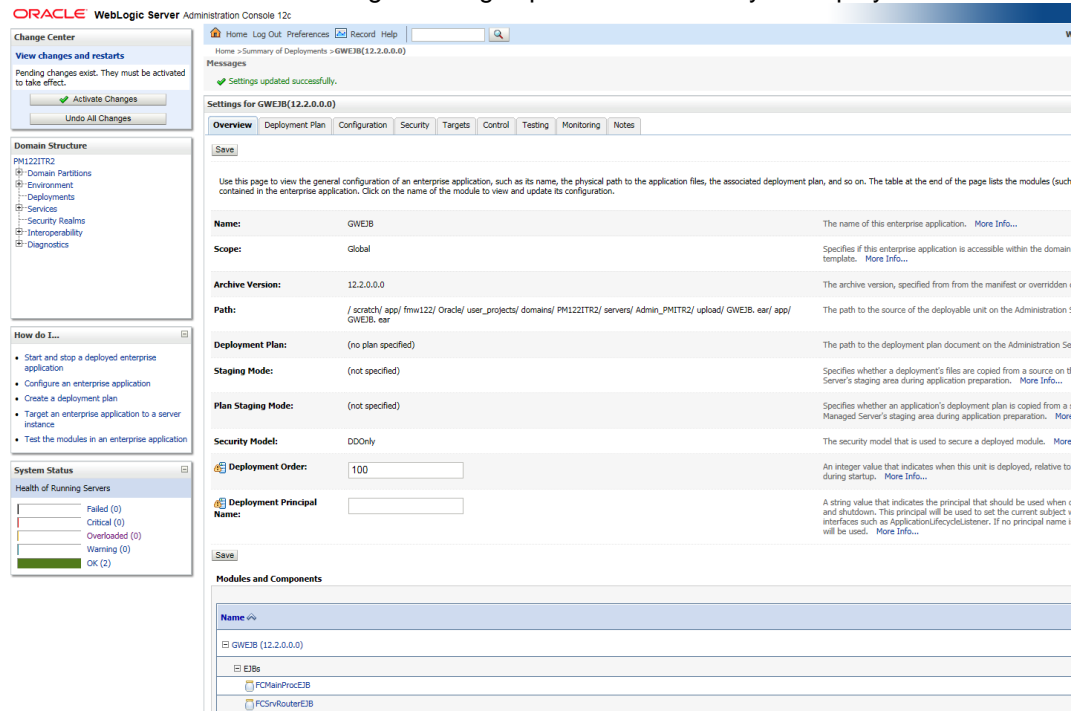
Expand Collapse

PCMainProcEJB

PCSnvRouterEJB

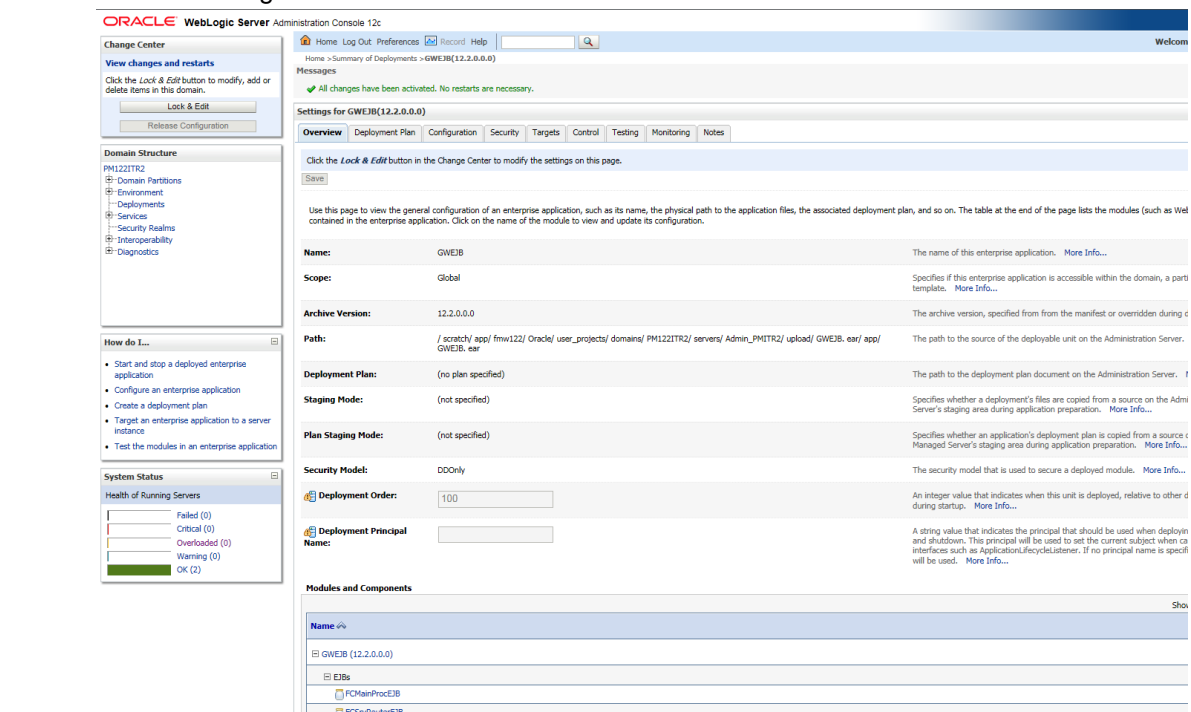
GWEJB

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



39. 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.

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, infra Connected to

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 the domain by selecting the checkbox next to the application name and then using the controls on this page.

**Customize this table**

**Deployments**

Start Stop

Showing 1 to 8 of 8 Prev

	State	Health	Type	Targets	Scope	Domain Partition
<input checked="" type="checkbox"/> Servicing all requests	Active	OK	Resource Adapter	Admin_PMTIR2	Global	
<input checked="" type="checkbox"/> Servicing only administration requests	Active	OK	Resource Adapter	Admin_PMTIR2	Global	
<input type="checkbox"/> DMS Application (12.2.1.0.0)	Active	OK	Web Application	Admin_PMTIR2	Global	
<input type="checkbox"/> em	Active	OK	Enterprise Application	Admin_PMTIR2	Global	
<input type="checkbox"/> FCUBSApp (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"/> opss-rest	Active	OK	Web Application	Admin_PMTIR2	Global	
<input type="checkbox"/> PaymentStubs	Active	OK	EJB	payments_server1	Global	
<input type="checkbox"/> state-management-provider-memory-rar	Active	OK	Resource Adapter	Admin_PMTIR2	Global	

Start Stop

Showing 1 to 8 of 8 Prev

**Change Center**

**View changes and restarts**

Click the Lock & Edit button to modify, add or delete items in this domain.

Lock & Edit

Release Configuration

**Domain Structure**

PM1221TR2

- Domain Partitions
- Environments
- Deployments
- Services
- Security Realms
- Interoperability
- Diagnostics

**How do I...**

- Configure an enterprise application
- Start applications and modules
- Stop applications and modules
- View the modules of an enterprise application
- Monitor the modules of an enterprise application

**System Status**

**Health of Running Servers**

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (2)

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

41. The following screen is displayed.

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, infra Connected to

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

**Start Application Assistant**

Yes No

**Start Deployments**

You have selected the following deployments to be started. Click 'Yes' to continue, or 'No' to cancel.

- GWEJB(12.2.0.0.0)

Yes No

**Change Center**

**View changes and restarts**

Click the Lock & Edit button to modify, add or delete items in this domain.

Lock & Edit

Release Configuration

**Domain Structure**

PM1221TR2

- Domain Partitions
- Environments
- Deployments
- Services
- Security Realms
- Interoperability
- Diagnostics

**How do I...**

No task help found.

**System Status**

**Health of Running Servers**

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (2)

WebLogic Server Version: 12.2.1.0.0  
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42. Click 'Yes'. The following screen is displayed.

**Oracle WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, infra Connected to: PMS12ZTR2

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

Messages

Start requests have been sent to the selected 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 the 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 Partitions
<input type="checkbox"/> coherence-transaction-war	Active	OK	Resource Adapter	Admin_PMS12ZTR2	Global	
<input type="checkbox"/> OMS Application (12.2.1.0.0)	Active	OK	Web Application	Admin_PMS12ZTR2	Global	
<input type="checkbox"/> em	Active	OK	Enterprise Application	Admin_PMS12ZTR2	Global	
<input type="checkbox"/> FCMSCApp (12.2.0.0.0)	Active	Warning	Enterprise Application	payments_server1	Global	
<input type="checkbox"/> GWSS (12.2.0.0.0)	Active	OK	Enterprise Application	payments_server1	Global	
<input type="checkbox"/> opss-rest	Active	OK	Web Application	Admin_PMS12ZTR2	Global	
<input type="checkbox"/> PaymentStub	Active	OK	EDB	payments_server1	Global	
<input type="checkbox"/> state-management-provider-memory-war	Active	OK	Resource Adapter	Admin_PMS12ZTR2	Global	

Showing 1 to 8 of 8 Previous Next

Start Stop

Showing 1 to 8 of 8 Previous Next

**System Status**

**Health of Running Servers**

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (2)

WebLogic Server version: 12.2.0.0.0  
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This completes the deployment process.

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



Deploying Oracle Banking Treasury Management on WebLogic

[May] [2022]

Version 14.6.0.0.0

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