

Deploying Oracle Banking Treasury Management Application  
on WebLogic  
Oracle Banking Treasury Management  
Release 14.4.0.2.0  
[November] [2020]



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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

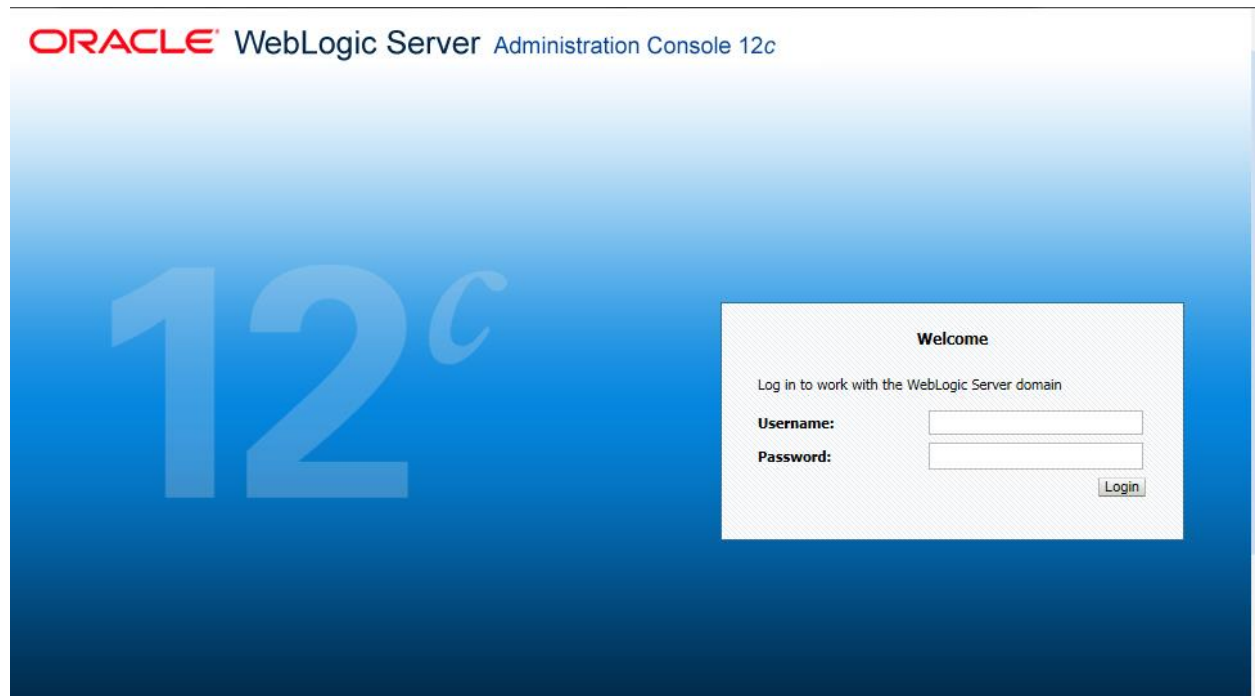
This section explains the method of deploying Oracle Banking Treasury Management Application into Oracle WebLogic application server.

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

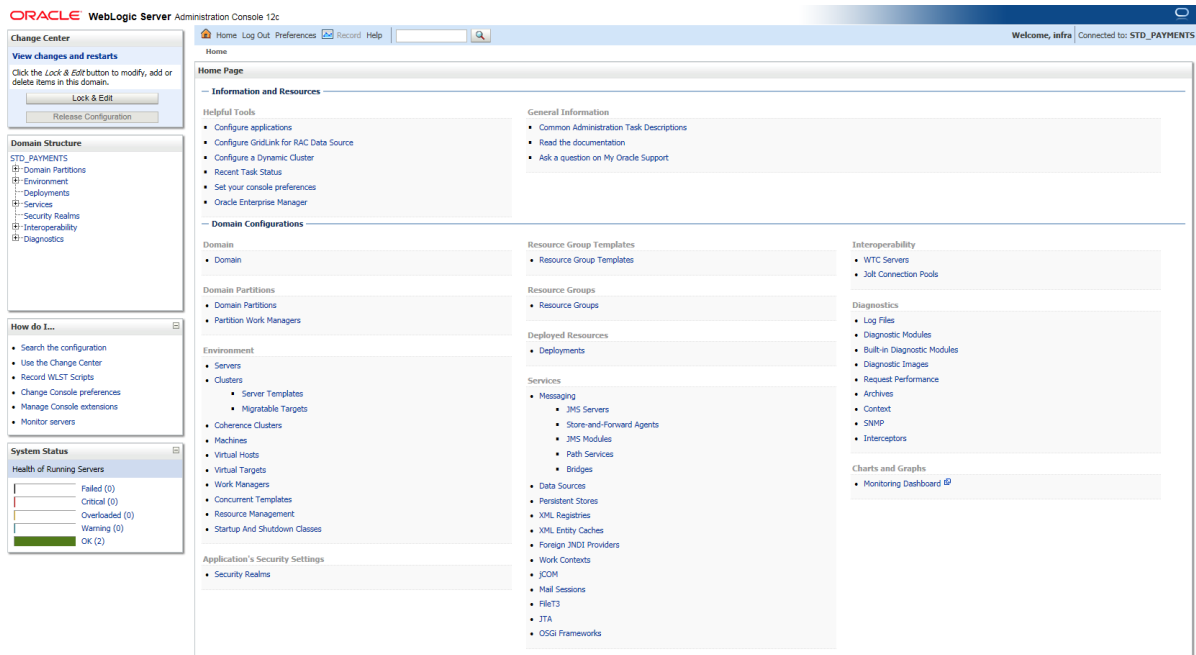
To deploy Oracle Banking Treasury Management Application from Oracle WebLogic administration console, follow the steps given below.

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                                       | Type                   | State  | Health | Targets                         | Scope  | Domain Partitions | Deployment Order |
|-------------------------------------|--------------------------------------------|------------------------|--------|--------|---------------------------------|--------|-------------------|------------------|
| <input type="checkbox"/>            | adf.oracle.businessadaptor(1.0,12.2.1.0.0) | Library                | Active |        | AdminServer_payments_pm_server1 | Global |                   | 100              |
| <input type="checkbox"/>            | adf.oracle.domain(1.0,12.2.1.0.0)          | Library                | Active |        | AdminServer_payments_pm_server1 | Global |                   | 100              |
| <input type="checkbox"/>            | adf.oracle.domain.webapp(1.0,12.2.1.0.0)   | Library                | Active |        | AdminServer_payments_pm_server1 | Global |                   | 100              |
| <input type="checkbox"/>            | coherence.transaction-var                  | Resource Adapter       | Active | ✓ OK   | AdminServer_payments_pm_server1 | Global |                   | 100              |
| <input checked="" type="checkbox"/> | CMS Application (12.2.1.0.0)               | Web Application        | Active | ✓ OK   | AdminServer_payments_pm_server1 | Global |                   | 5                |
| <input checked="" type="checkbox"/> | em                                         | Enterprise Application | Active | ✓ OK   | AdminServer_payments            | Global |                   | 400              |
| <input type="checkbox"/>            | emagentcdkimpl_jar(12.4.12.1.0.4.0)        | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | emagentcdk_impl_jar(12.4.12.1.0.4.0)       | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | emagentcdk_jar(12.4.12.1.0.4.0)            | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | emas                                       | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | emencore                                   | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | emencoreclient_jar                         | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | emencorecommon_jar                         | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | emencoreconsole_jar                        | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | emencorecsdk_jar(11.2.0.1.0,12.1.0.0.0)    | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | emencoreimpl_jar                           | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | emencoreimpl_jar(11.2.0.1.0,12.1.0.0.0)    | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | emencore_sdk_jar(11.2.0.1.0,12.1.0.0.0)    | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | emencore_jar                               | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | em_common(12.4.12.1.0.4.0)                 | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |
| <input type="checkbox"/>            | em_core_rec_solo.jar                       | Library                | Active |        | AdminServer_payments            | Global |                   | 100              |

- ORACLE WebLogic Server® Administration Console

Change CenterView changes and restartsNo pending changes exist. Click the Release Configuration button to allow others to edit the domain.

Lock & EditRelease Configuration

Domain StructureFCUBS11
  - 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

Home Log Out Preferences Record HelpWelcome, weblogicConnected to: FCUBS11Home > Summary of Deployments

Install Application AssistantBackNextFinishCancel

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.

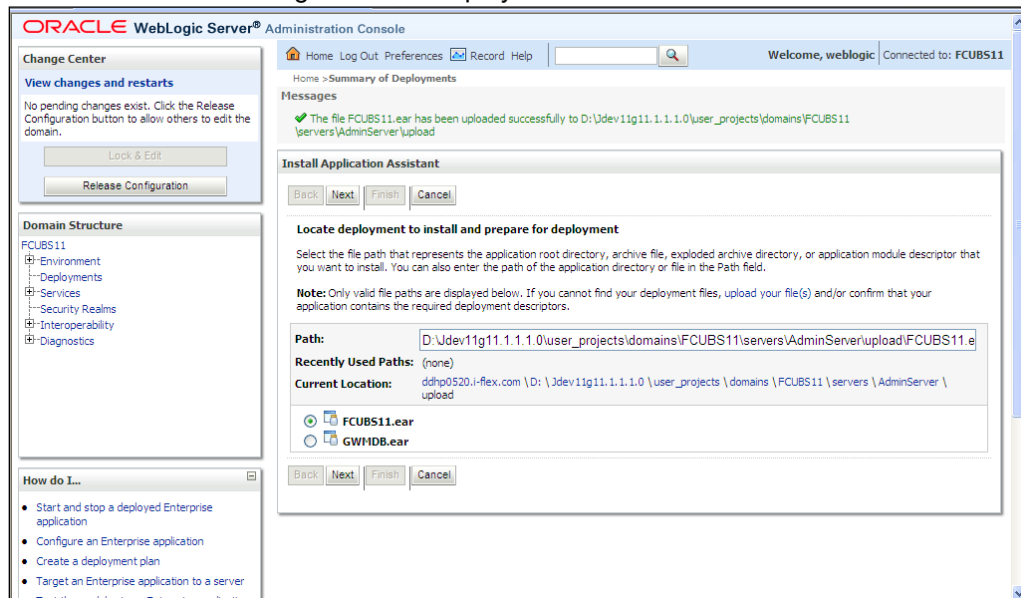
Path:D:\

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

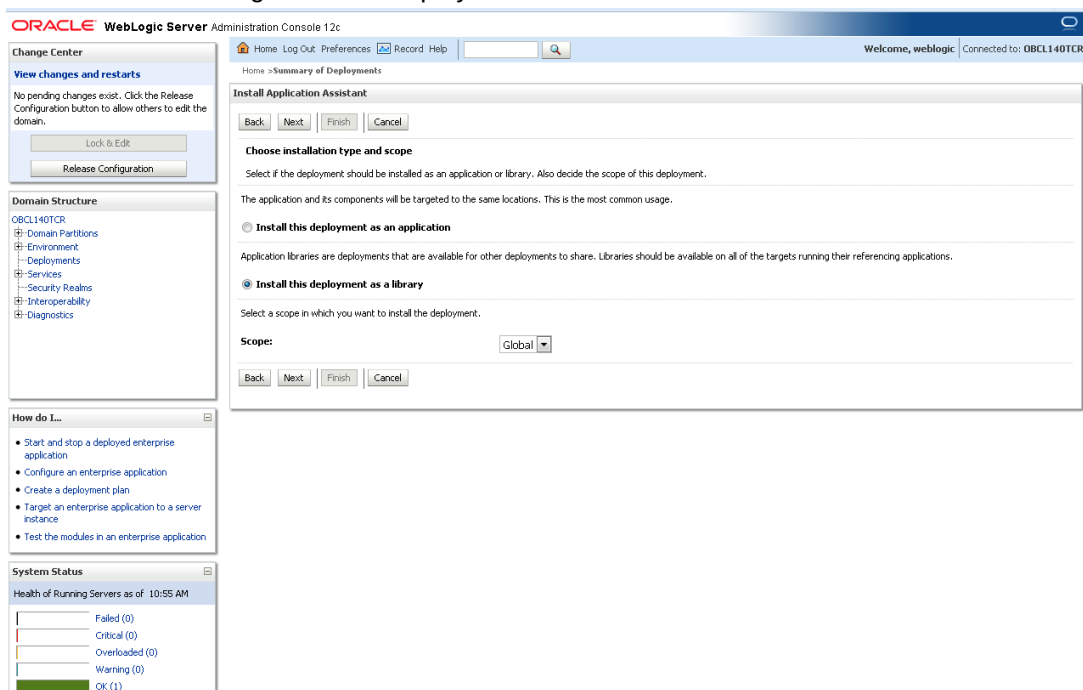
- ORACLE®

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



8. Select the application Adapter EAR from the list.

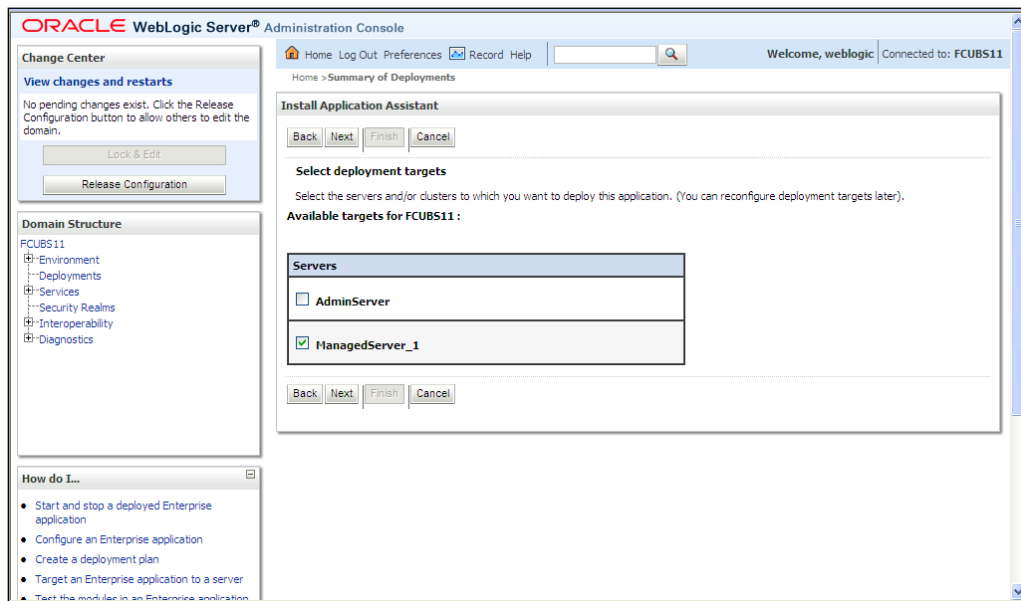
9. Click 'Next'. Following screen is displayed:



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

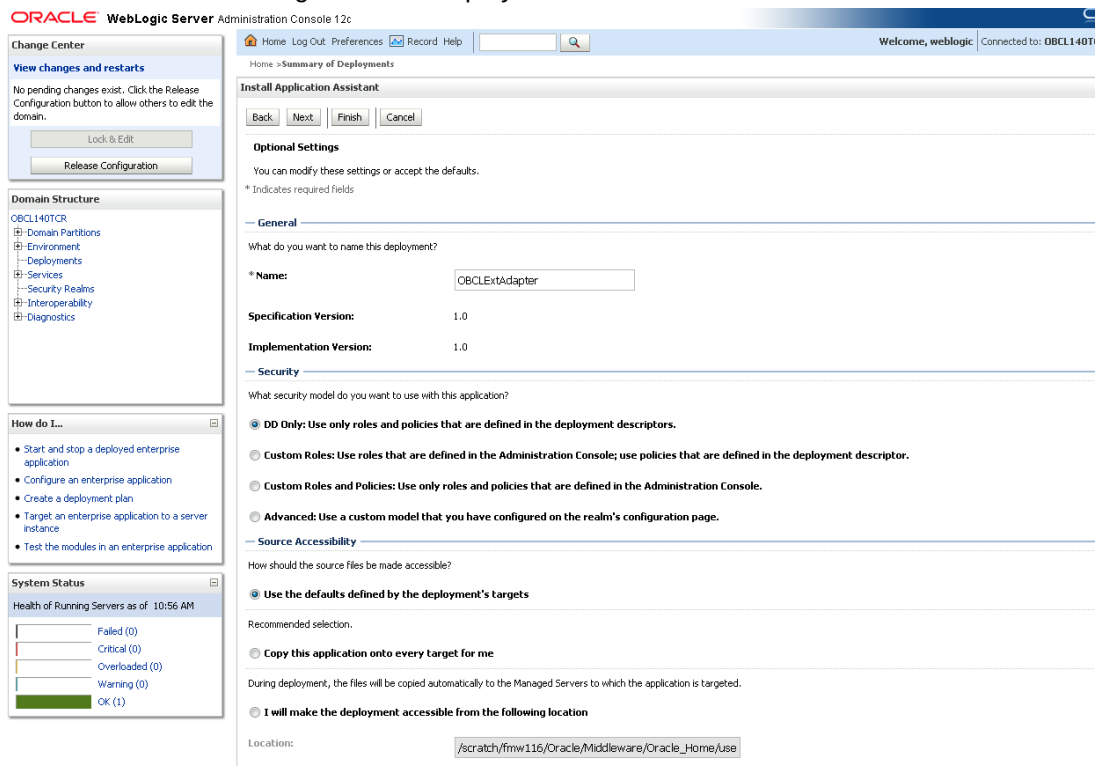
11. Click 'Next'.

12. The following screen is displayed



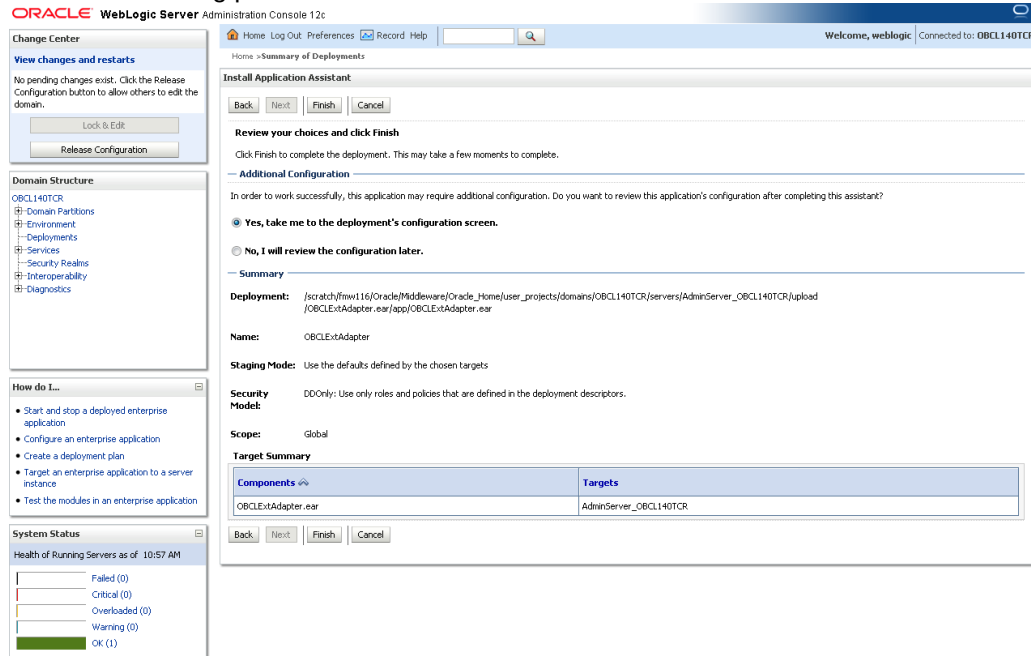
13. Select the target of the application. You can choose the server 'AdminServer' or 'Managed Server(s)'.

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

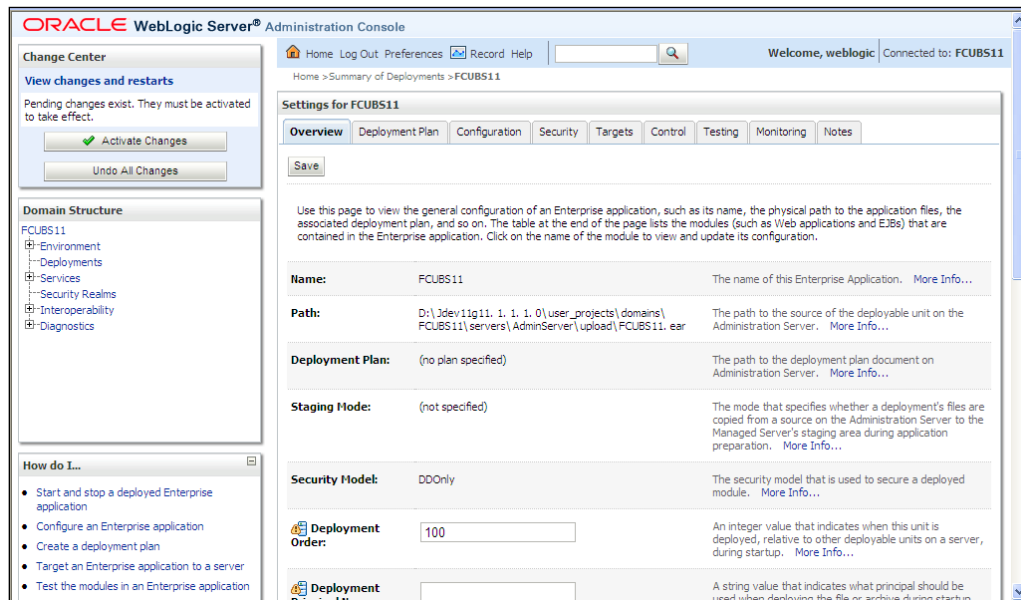


15. Check the deployment name.

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

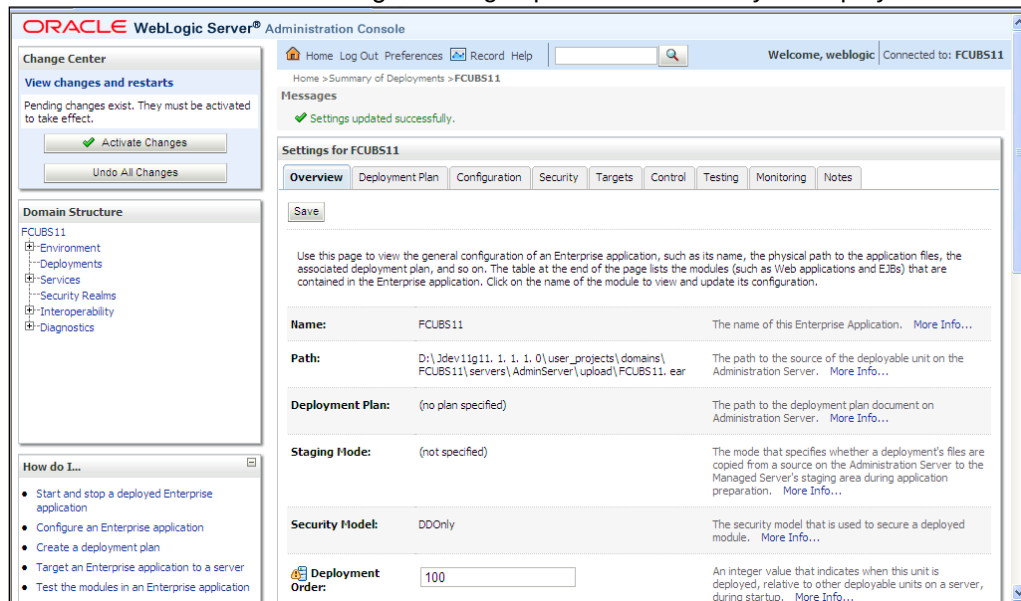


## 17. Click 'Finish' button. The following screen is displayed.





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



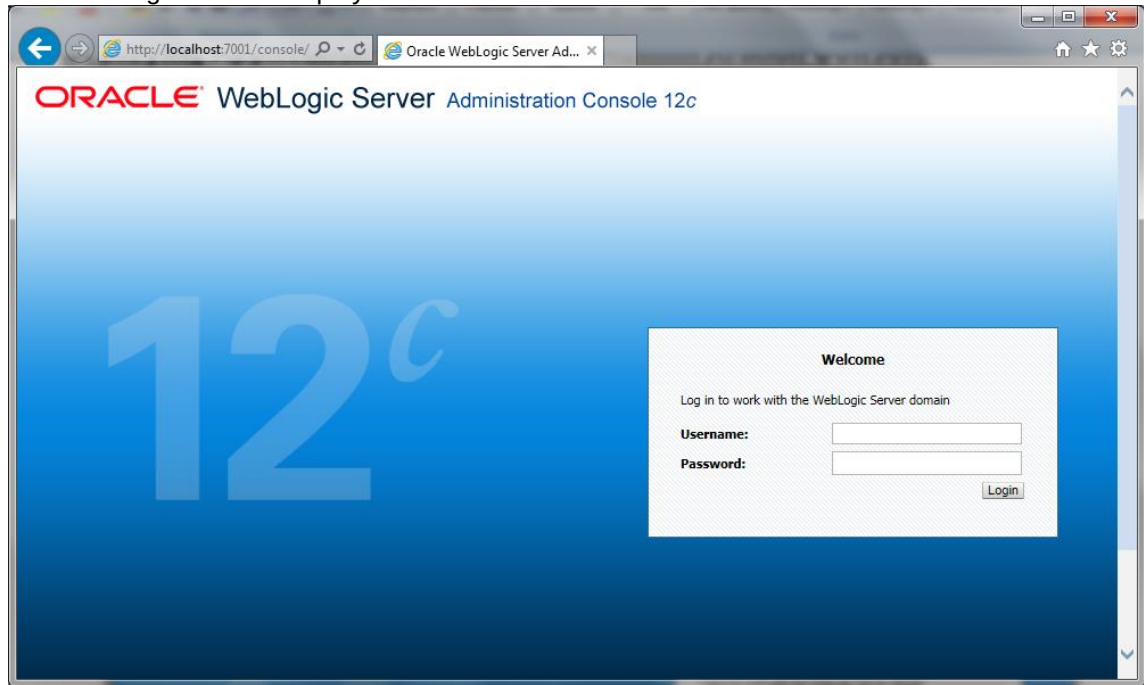
19. Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed.

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

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

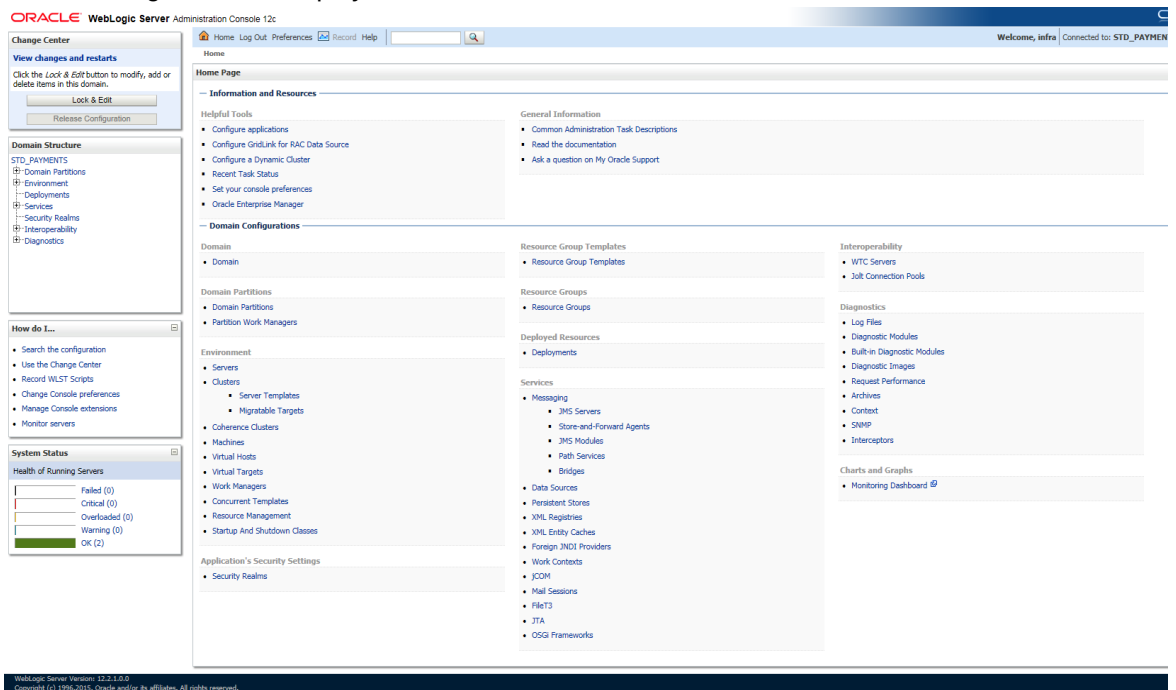
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.  
Eg: <http://10.10.10.10:1001/console>

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

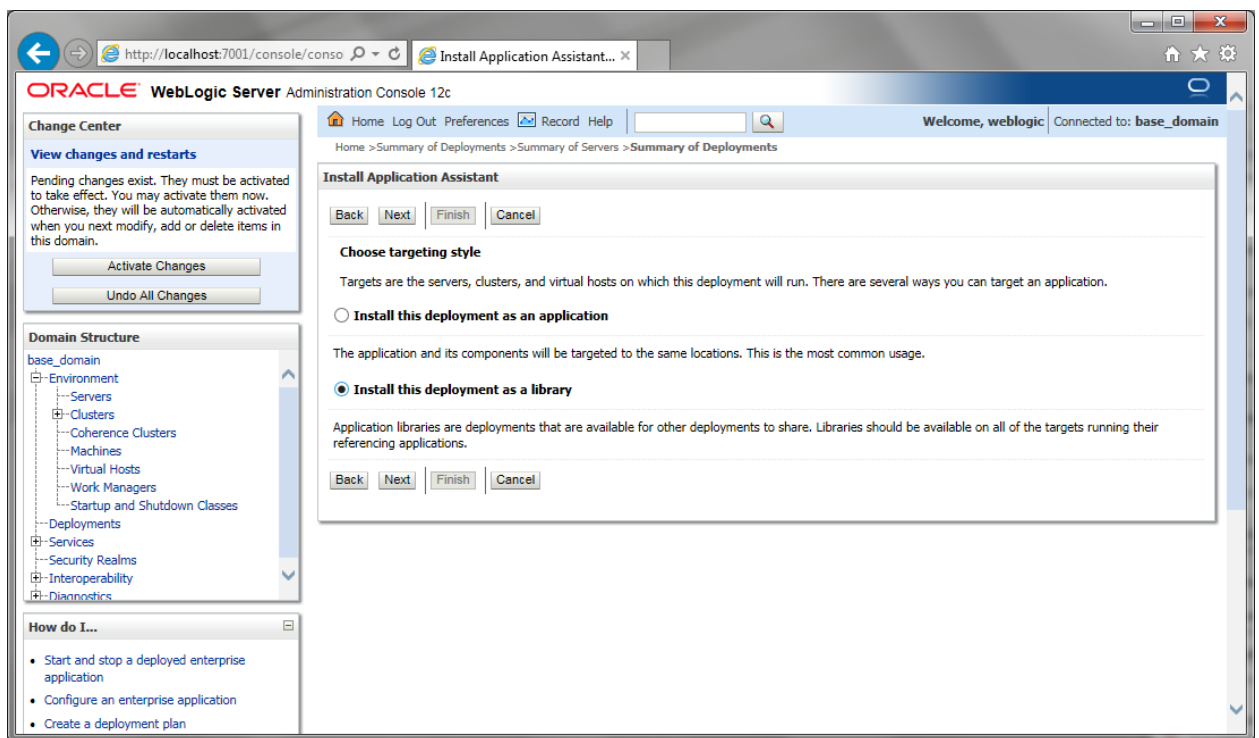
**Recently Used Paths:** /scratch/app/bpm12212/user\_projects/domains/soadom3/servers/AdminServer/upload/FCUBS.ear/app

**Current Location:** 10.184.158.197 / scratch / app / bpm12212 / user\_projects / domains / soadom3 / servers / AdminServer / upload / jax-rs-2.0.war / app

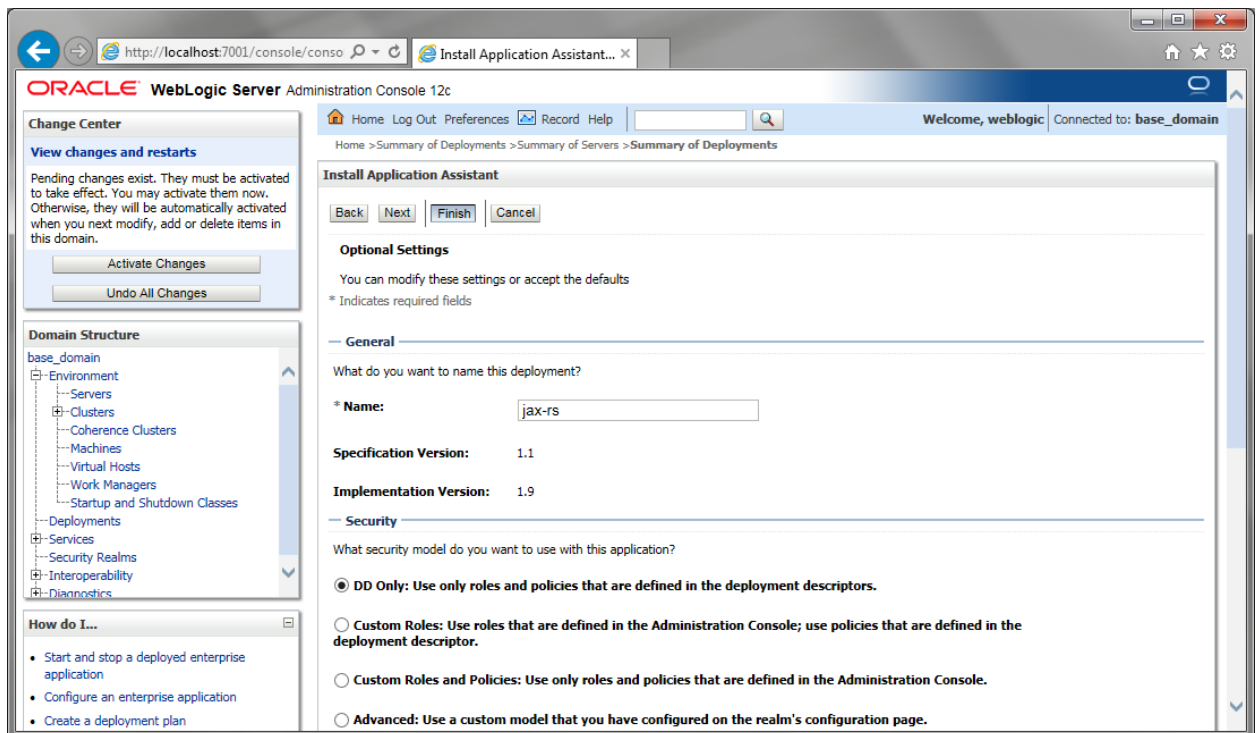
**jax-rs-2.0.war**  
Back Next Finish Cancel

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

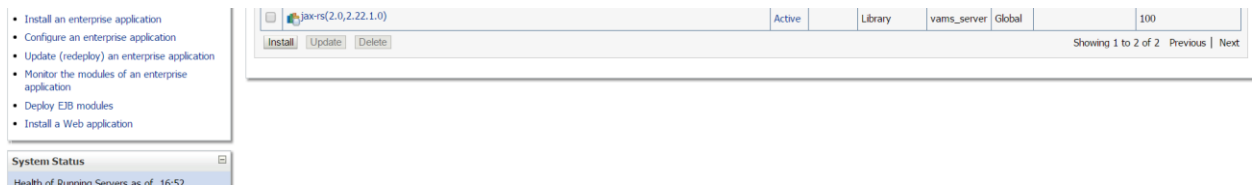
Navigate and select jersey bundle under the path “w\server\common\deployable-libraries\jax-rs-2.0.war” and click next



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”

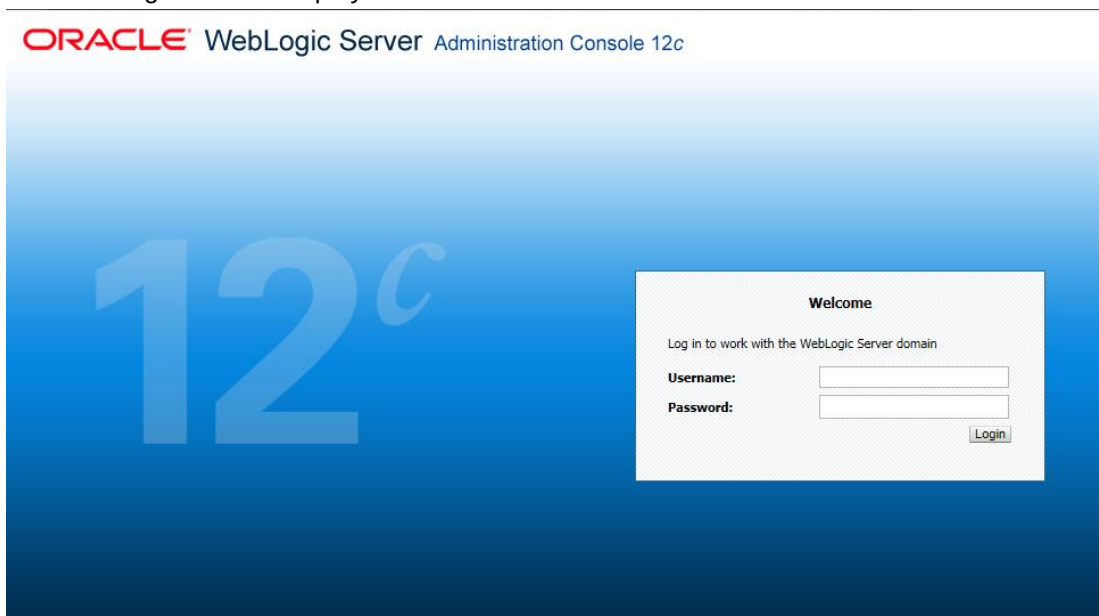
Note :- latest Jax-rs version will be jax-rs(2.0,2.22.1.0)

### 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’.

**WebLogic Server**

Administration Console 12c

Change Center

Home Log Out Preferences Record Help

Welcome, infra Connected to: STD\_PAYMEN

View changes and restarts

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

Lock & Edit

Release Configuration

Domain Structure

STD\_PAYMENTS

Domain Partitions

Environment

Deployments

Services

Security Realms

Interoperability

Diagnostics

How do I...

Search the configuration

Use the Change Center

Record WLST Scripts

Change Console preferences

Manage Console extensions

Monitor servers

System Status

Health of Running Servers

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (2)

Home Page

Information and Resources

Helpful Tools

General Information

Domain Configurations

Domain

Domain Partitions

Environment

Application's Security Settings

Resource Group Templates

Resource Groups

Deployed Resources

Services

Interoperability

Diagnostics

Charts and Graphs

WebLogic Server Version: 12.2.1.0.0

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

ORACLE WebLogic Server Administration Console 12c

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 J2B modules
- Install a Web application

System Status

Health of Running Servers

Failed (0)

Critical (0)

Overloaded (0)

Warning (0)

OK (2)

Home Log Out Preferences Help Record Help

Home > 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 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

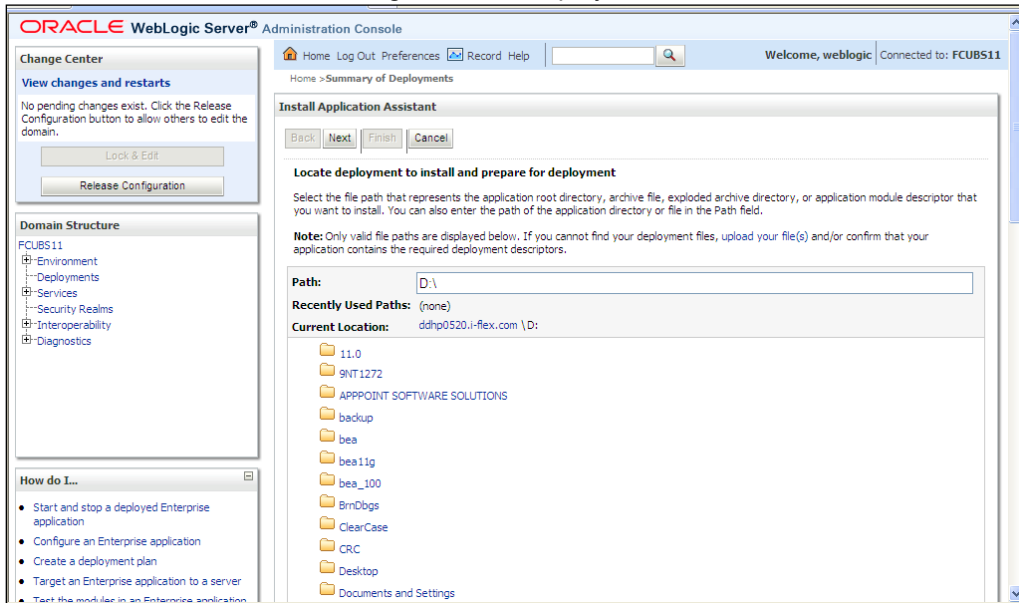
Update

Delete

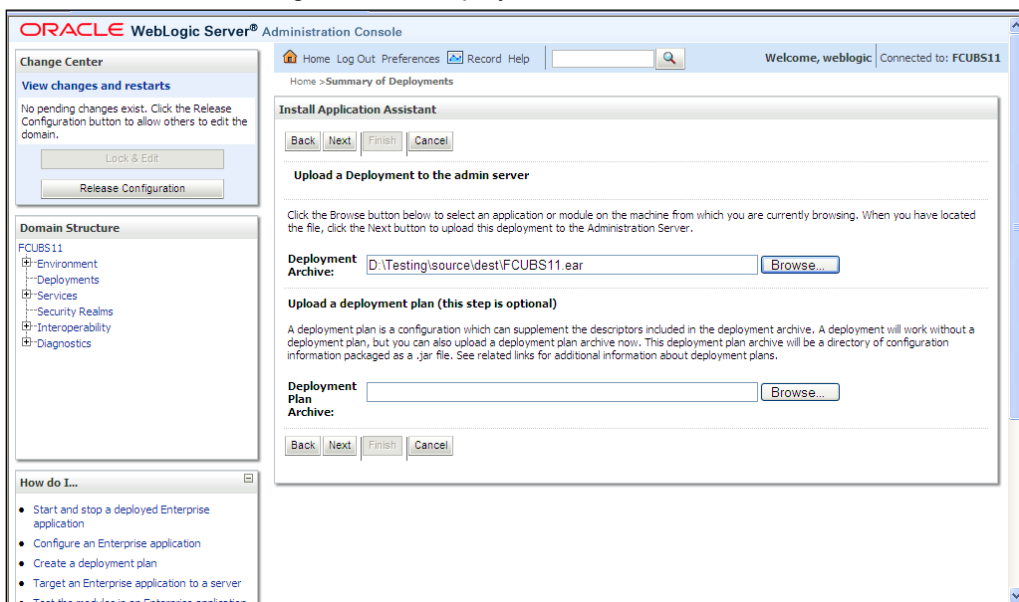
Showing 1 to 60 of 60 Previous | Next

| <input type="checkbox"/> | Name                                       | State  | Health | Type                   | Targets                          | Scope  | Domain Partitions | Deployment Order |
|--------------------------|--------------------------------------------|--------|--------|------------------------|----------------------------------|--------|-------------------|------------------|
| <input type="checkbox"/> | self.oracle.businesseditor(1.0,12.2.1.0.0) | Active |        | Library                | AdminServer_payments, pm_server1 | Global |                   | 100              |
| <input type="checkbox"/> | self.oracle.domain(1.0,12.2.1.0.0)         | Active |        | Library                | AdminServer_payments, pm_server1 | Global |                   | 100              |
| <input type="checkbox"/> | self.oracle.domain.webapp(1.0,12.2.1.0.0)  | Active |        | Library                | AdminServer_payments, pm_server1 | Global |                   | 100              |
| <input type="checkbox"/> | coherence-transaction-ear                  | Active | OK     | Resource Adapter       | AdminServer_payments, pm_server1 | Global |                   | 100              |
| <input type="checkbox"/> | OMS 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"/> | emagenttslappjv_jar(12.4.12.1.0.4.0)       | Active |        | Library                | AdminServer_payments             | Global |                   | 100              |
| <input type="checkbox"/> | emagenttslapp_jar(12.4.12.1.0.4.0)         | Active |        | Library                | AdminServer_payments             | Global |                   | 100              |
| <input type="checkbox"/> | emagenttsk_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"/> | emomex                                     | Active |        | Library                | AdminServer_payments             | Global |                   | 100              |
| <input type="checkbox"/> | emomexclnt_jar                             | Active |        | Library                | AdminServer_payments             | Global |                   | 100              |
| <input type="checkbox"/> | emomexcommon_jar                           | Active |        | Library                | AdminServer_payments             | Global |                   | 100              |
| <input type="checkbox"/> | emomexconsole_jar                          | Active |        | Library                | AdminServer_payments             | Global |                   | 100              |
| <input type="checkbox"/> | emomextstd_jar(11.2.0.1.0,12.1.0.0.0)      | Active |        | Library                | AdminServer_payments             | Global |                   | 100              |
| <input type="checkbox"/> | emomexphs_jar                              | Active |        | Library                | AdminServer_payments             | Global |                   | 100              |
| <input type="checkbox"/> | emomexstdimpl_jar(11.2.0.1.0,12.1.0.0.0)   | Active |        | Library                | AdminServer_payments             | Global |                   | 100              |
| <input type="checkbox"/> | emomexstd_jar(11.2.0.1.0,12.1.0.0.0)       | Active |        | Library                | AdminServer_payments             | Global |                   | 100              |
| <input type="checkbox"/> | emomex_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              |

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

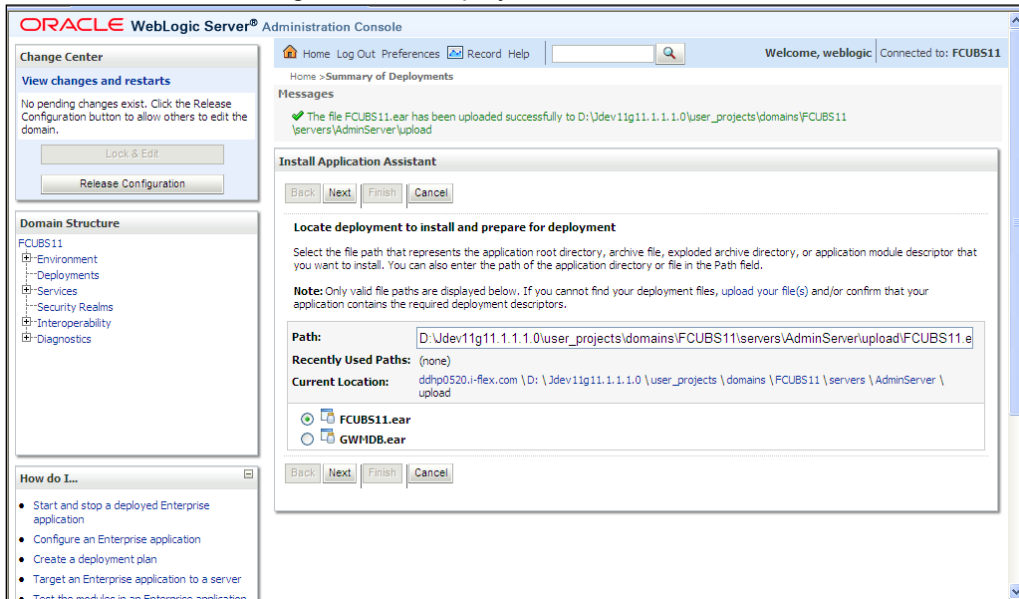


5. In order to specify the path/location of the enterprise archive file, click the link 'upload your file(s)'.
6. Click 'Next'. The following screen is displayed:



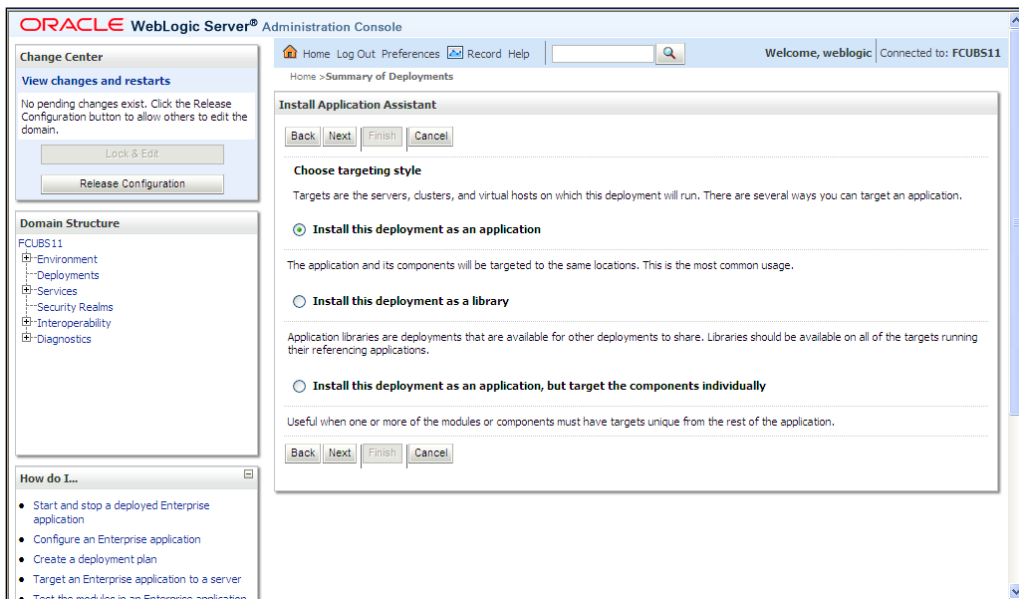
7. Specify the EAR file path. You can use the 'Browse' button to locate the file.

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:

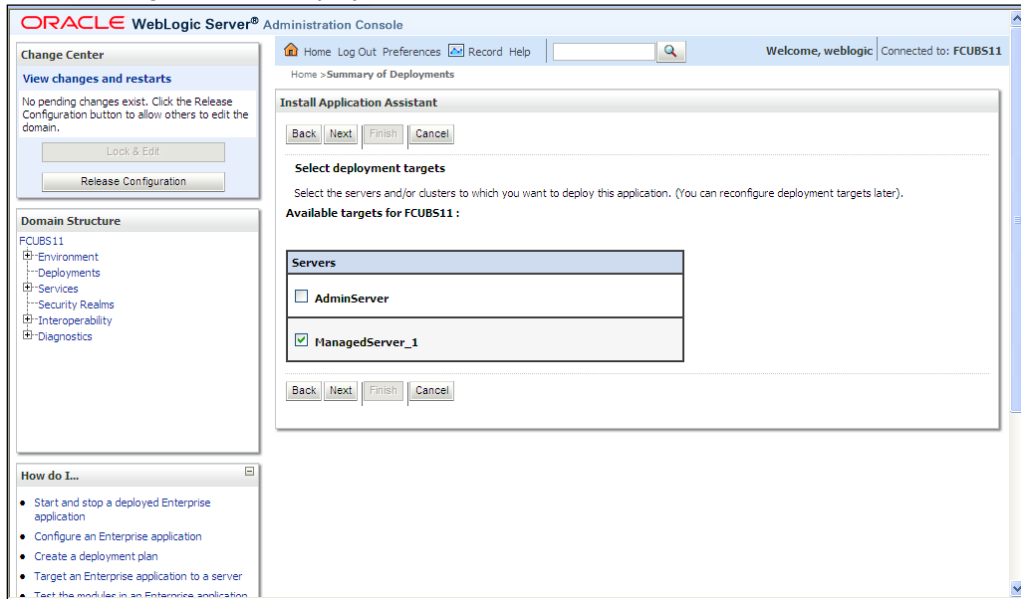


11. Choose the targeting style 'Install this deployment as an application'.

12. Click 'Next'.

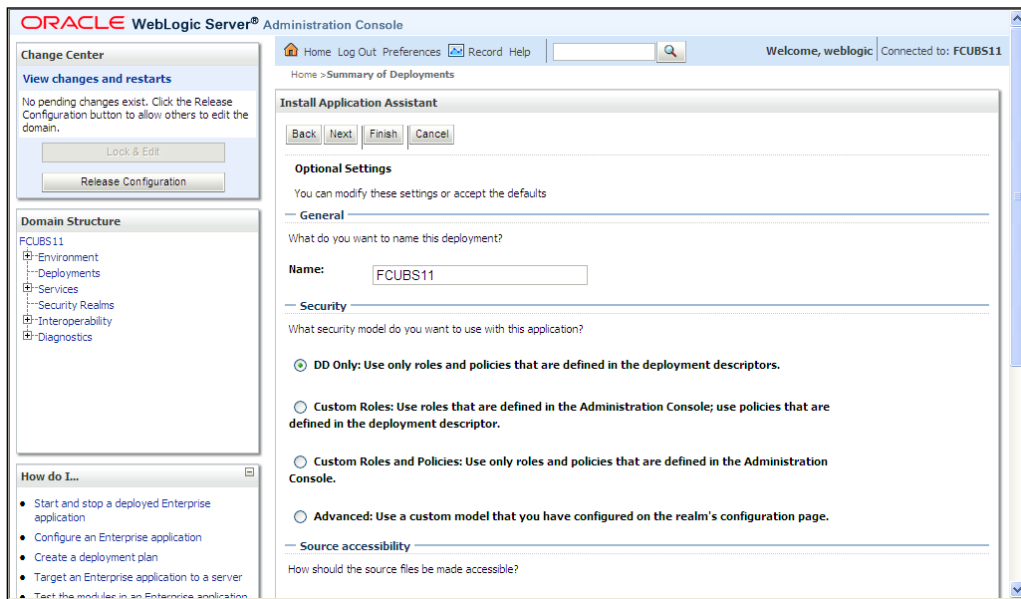


The following screen is displayed



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:

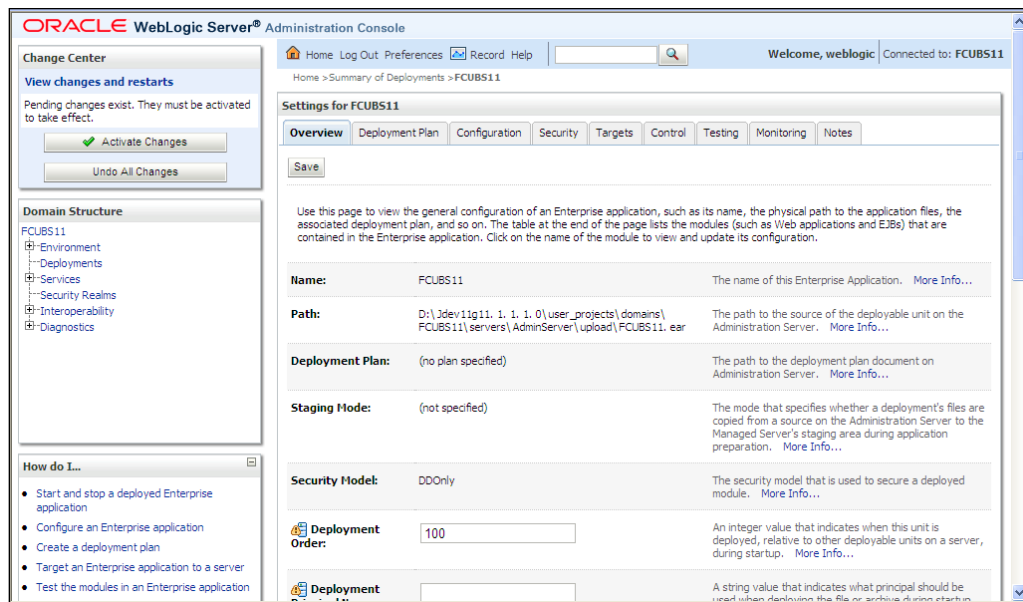
The screenshot shows the 'Security' and 'Source accessibility' configuration screens. On the left, there is a navigation pane with 'Security Realms', 'Interoperability', and 'Diagnostics'. Below it, a 'How do I...' section lists tasks like 'Start and stop a deployed Enterprise application'. The 'System Status' section shows 'Health of Running Servers' with a bar chart indicating 'Failed (0)', 'Critical (0)', 'Overloaded (0)', 'Warning (0)', and 'OK (1)'. The main 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 offers three options: 'DD Only' (selected), 'Custom Roles', and 'Custom Roles and Policies'. The 'Source accessibility' section asks 'How should the source files be made accessible?' and offers two options: 'Use the defaults defined by the deployment's targets' (selected) and 'Copy this application onto every target for me'. A 'Location' field is set to 'D:\dev11g11.1.1.0\user\_projects\domains\FCUBS11\src'. At the bottom, there are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

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

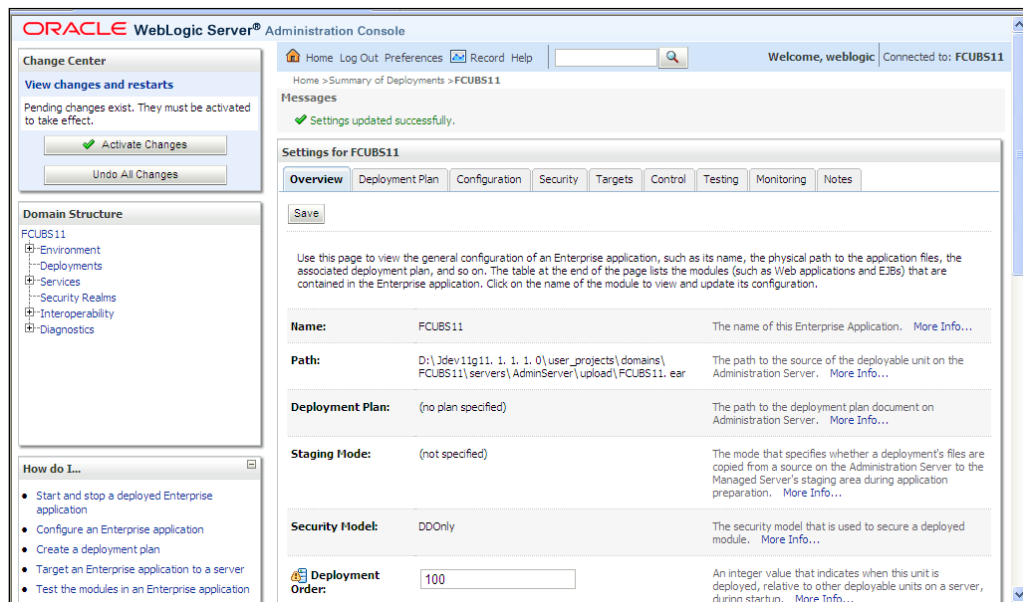
The following screen is displayed.

The screenshot shows the 'Install Application Assistant' screen. On the left, there is a navigation pane with 'Domain Structure' showing 'FCUBS11' and its sub-components: 'Environment', 'Deployments', 'Services', 'Security Realms', 'Interoperability', and 'Diagnostics'. Below it, a 'How do I...' section lists tasks like 'Start and stop a deployed Enterprise application'. The 'System Status' section shows 'Health of Running Servers'. The main area is titled 'Review your choices and click Finish'. It includes a section for 'Additional configuration' with a 'Yes, take me to the deployment's configuration screen.' option selected. Below this is a 'Summary' section with fields for 'Deployment' (D:\dev11g11.1.1.0\user\_projects\domains\FCUBS11\servers\AdminServer\upload\FCUBS11.ear), 'Name' (FCUBS11), 'Staging mode' (Use the defaults defined by the chosen targets), and 'Security Model' (DDOnly: Use only roles and policies that are defined in the deployment descriptors). At the bottom, there is a 'Target Summary' table with two columns: 'Components' and 'Targets'. The table shows 'FCUBS11.ear' under 'Components' and 'ManagedServer\_1' under 'Targets'. At the bottom, there are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

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

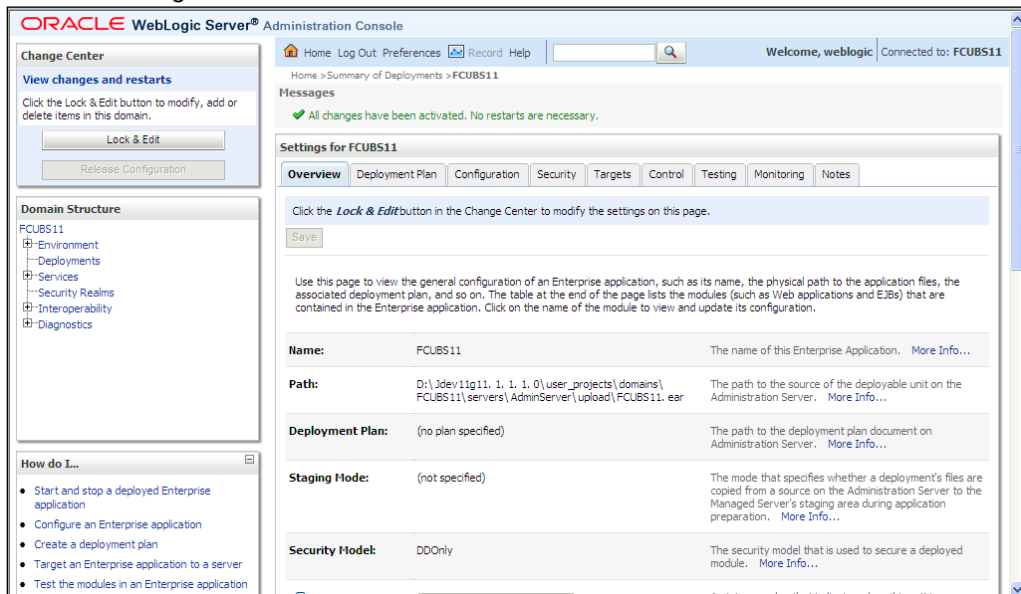


18. Click 'Save' button. The message 'Settings updated successfully' is displayed.

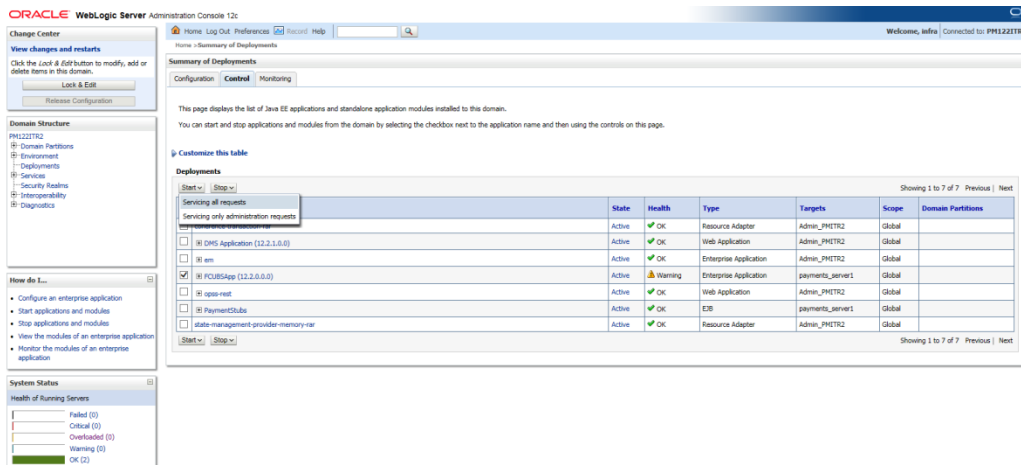


19. Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed.

The screen is given below:

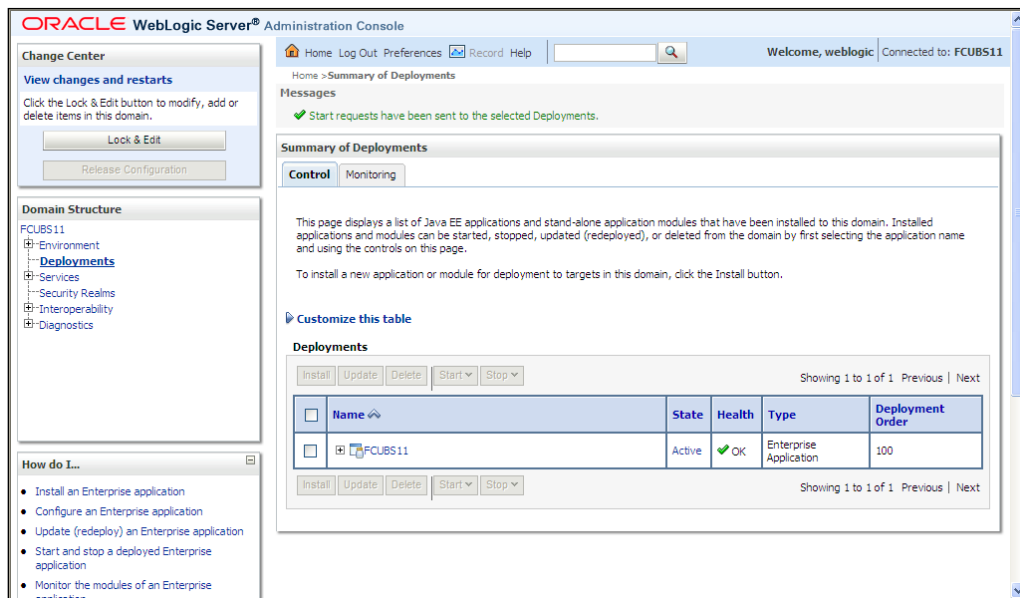
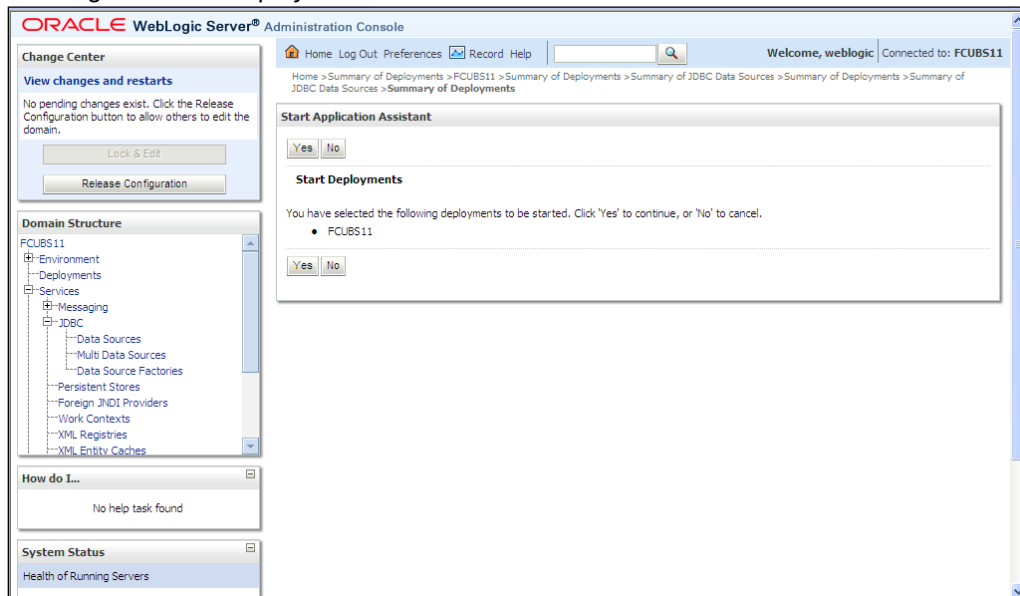


Click 'Deployment' on the left pane. Switch to Control tab .The following screen is displayed.



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.

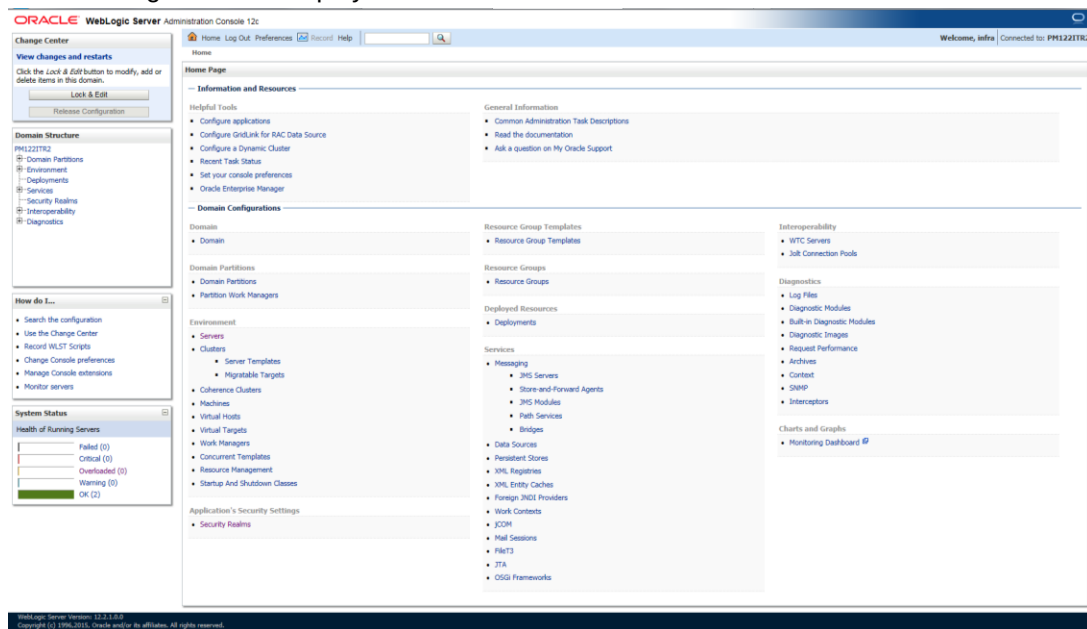
1. Launch Administrative Console of WebLogic application server. You can launch this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.  
Eg: <http://10.10.10.10:1001/console>

22. The following screen is displayed:



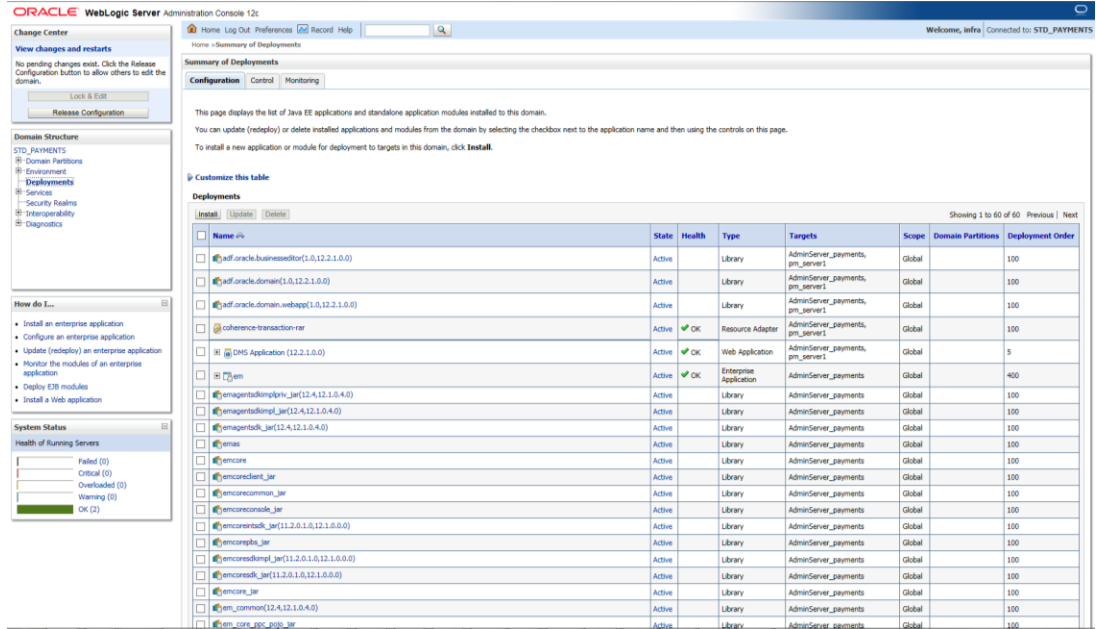
23. Specify the WebLogic administrator user name and password. Click 'Log In'.

The following screen is displayed:

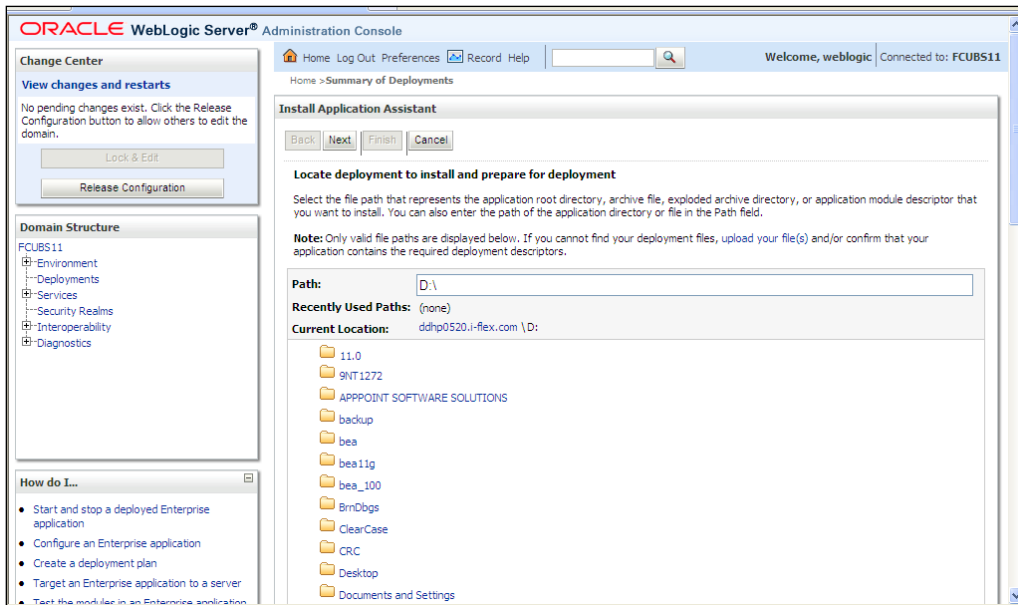


24. You need to deploy an EAR. For e.g. 'GWEJB.ear'. Go to 'Deployment'.

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

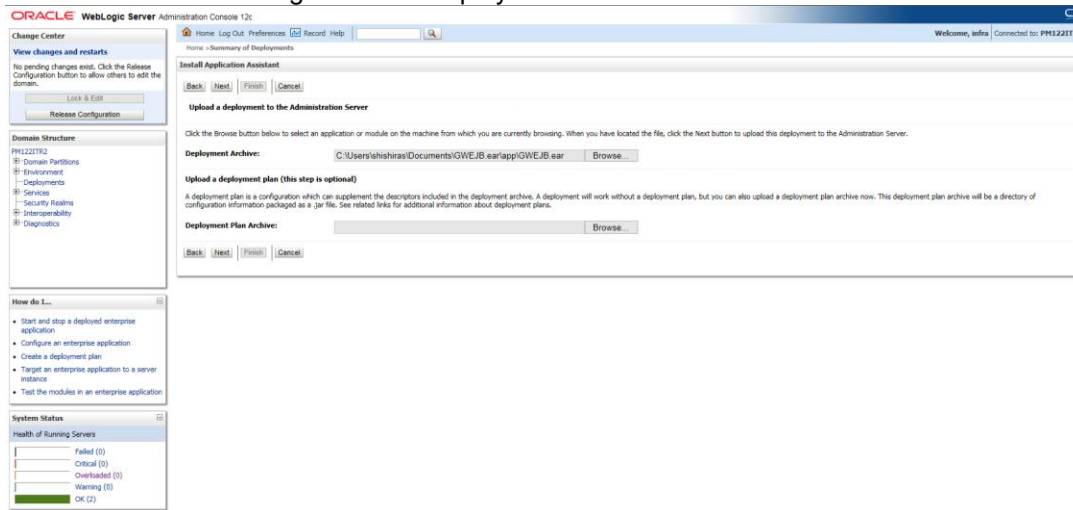


25. Click 'Install' button. The following screen is displayed:



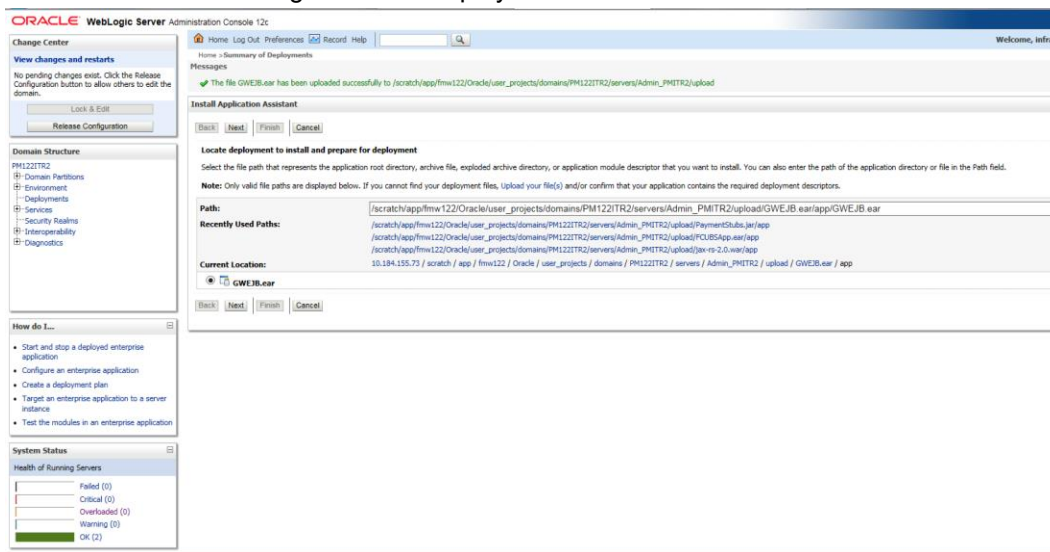
26. In order to specify the path/location of the enterprise archive file, click the link 'upload your file(s)'.

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 to select the deployment type and scope; 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'; a 'Scope:' 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 window has the same sidebar as the previous screen. The main area is titled 'Select deployment targets' and contains: instructions to select servers and/or clusters; a section '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

| Status     | 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/wl12212/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

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

| Status     | 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/wl12212/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.

**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**  
PM1221TR2  
[-] 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 (2)

**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\_PM1221TR2/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: DDOnly: Use only roles and policies that are defined in the deployment descriptors.  
Scope: Global  
Target Summary  
Components  
GWEJB.ear  
Targets  
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 [Search]  
Home > Summary of Deployments > GWEJB(12.2.0.0.0)  
Welcome, admin | [Close]

**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\_PM1221TR2/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:** DDOnly  
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...](#)

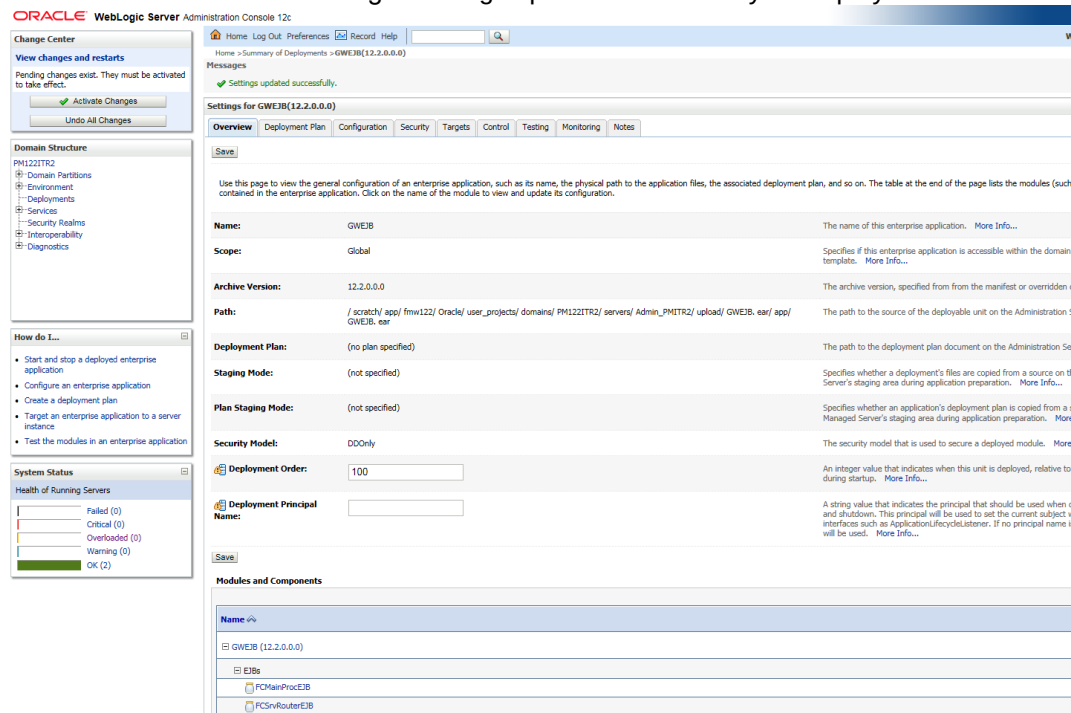
[Save]

**Modules and Components**  
Showing 1 to 1 of 1

| Name               |
|--------------------|
| GWEJB (12.2.0.0.0) |

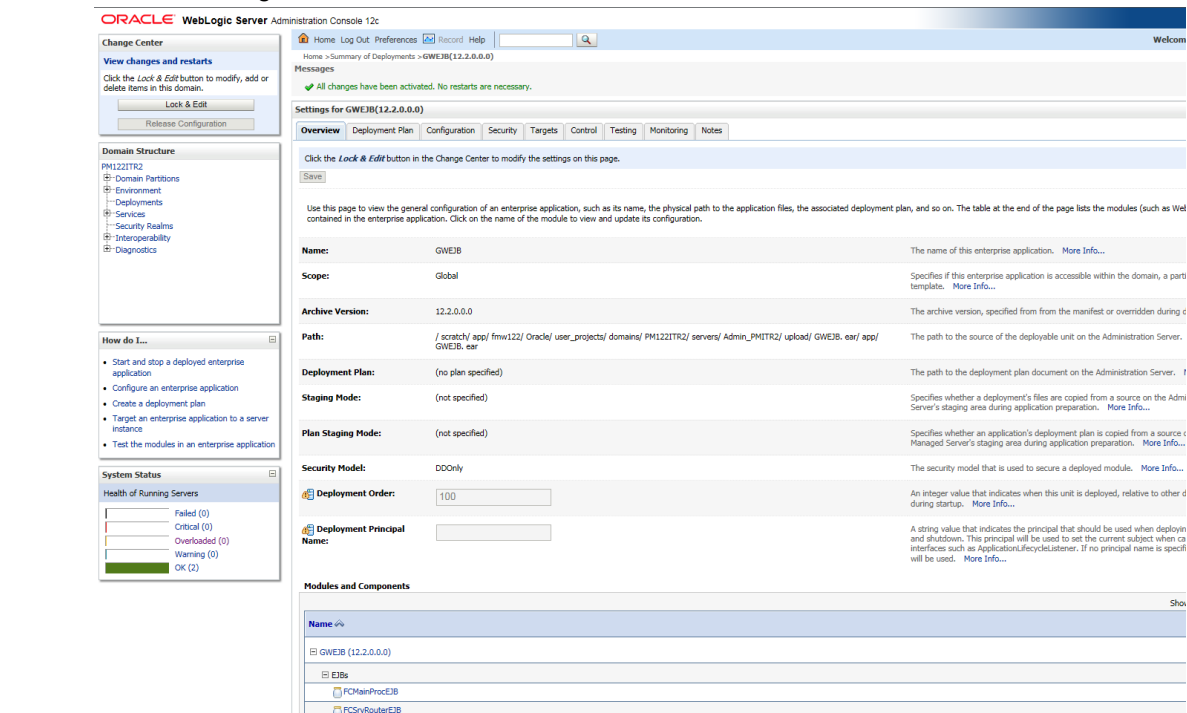
[-] Etlb  
[-] FCMainProcEJB  
[-] FCSrvRouterEJB  
[-] GWEJB

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

Servicing all requests

Servicing only administration requests

|                                                               | State    | Health  | Type                   | Targets          | Scope  | Domain Partition |
|---------------------------------------------------------------|----------|---------|------------------------|------------------|--------|------------------|
| <input checked="" type="checkbox"/> <b>GWEJB(12.2.0.0.0)</b>  | 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 |                  |

Showing 1 to 8 of 8 Prev

Start Stop

Showing 1 to 8 of 8 Prev

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

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 (12.2.0.0.0)         | Active | OK      | Web Application        | Admin_PMS12ZTR2  | Global |                   |
| <input type="checkbox"/> em                                   | Active | OK      | Enterprise Application | Admin_PMS12ZTR2  | Global |                   |
| <input type="checkbox"/> FCMBSApp (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"/> ipay-rest                            | Active | OK      | Web Application        | Admin_PMS12ZTR2  | Global |                   |
| <input type="checkbox"/> PaymentSubs                          | Active | OK      | DB                     | 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

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

[November] [2020]

Version 14.4.0.2.0

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