

Deploying Oracle Banking Treasury Management Application
on WebLogic

Oracle Banking Treasury Management

Release 14.5.4.0.0

Part No. F53253-01

[February] [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

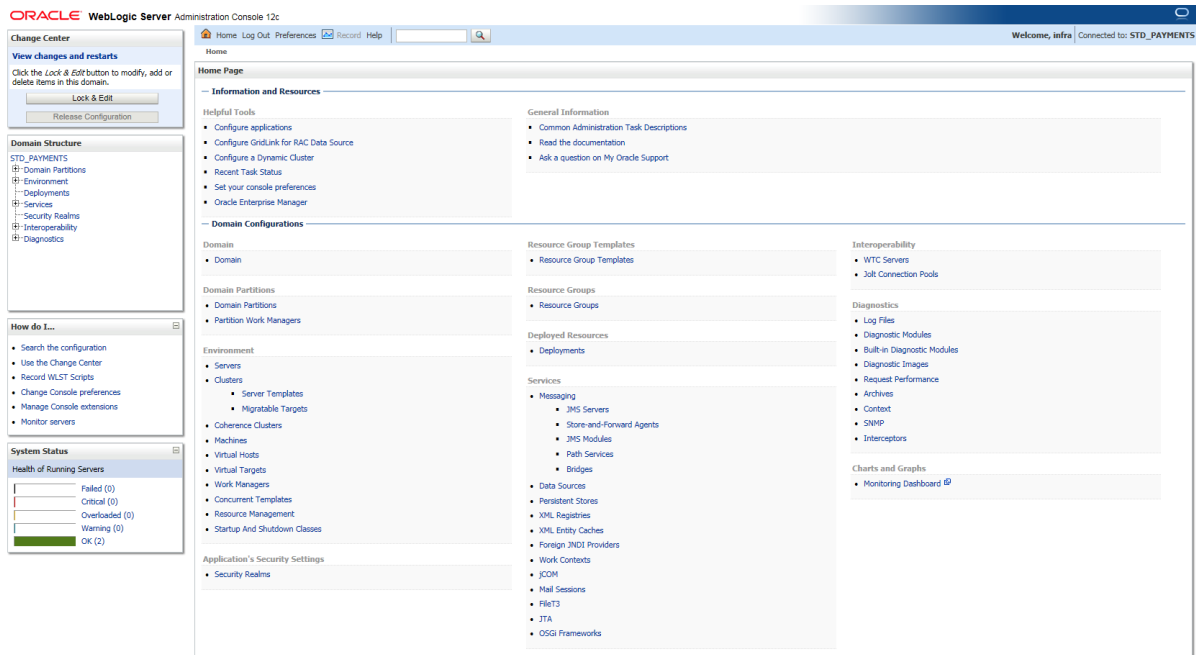
To deploy Oracle Banking Treasury Management Application from Oracle WebLogic administration console, follow the steps given below.

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 | Page 2 of 2

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

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

Home Log Out: Preferences 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

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"/> /esb	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"/> /emencorecsdkimpl_jar(11.2.0.1.0,12.1.0.0.0)	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"/> /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

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: FCUBS11

Home > Summary of Deployments

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

Domain Structure

FCUBS11

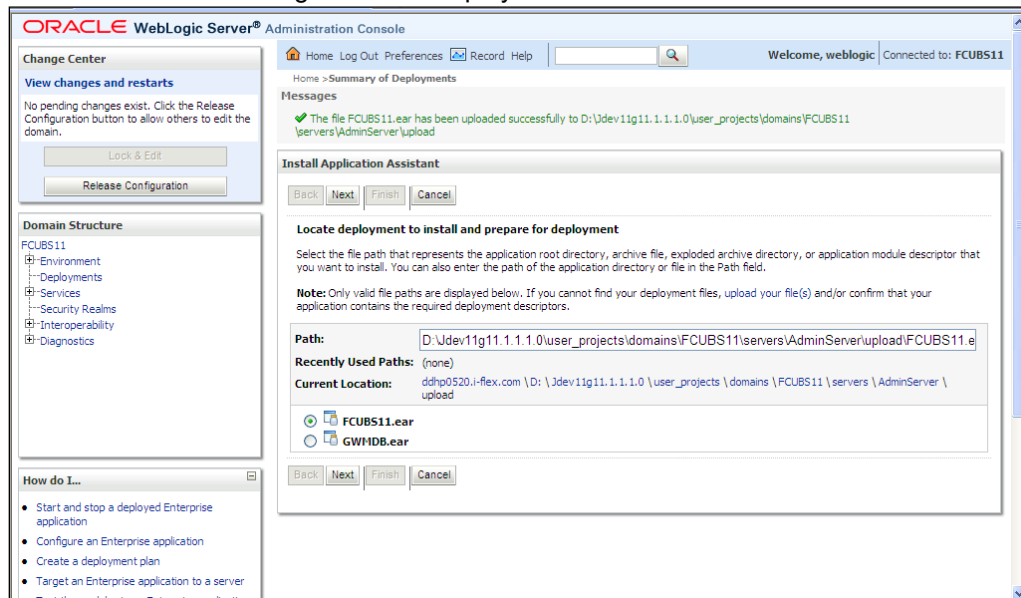
 - Deployments
 - Services
 - Security Realms
 - Interoperability
 - Diagnostics

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

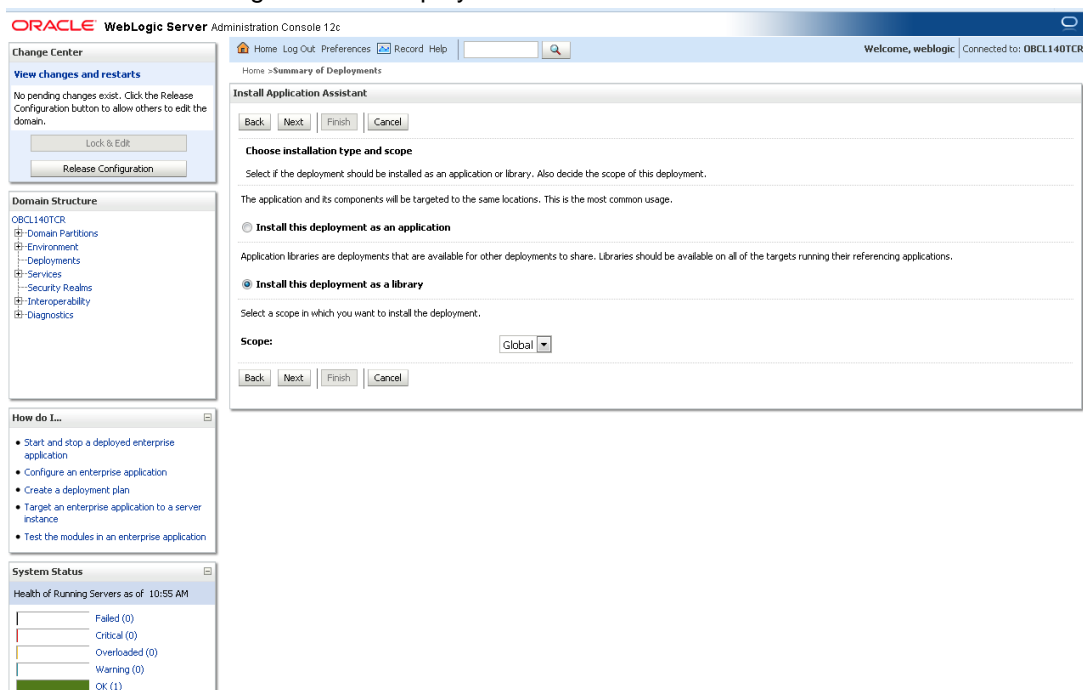
- ORACLE®

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



8. Select the application Adapter EAR from the list.

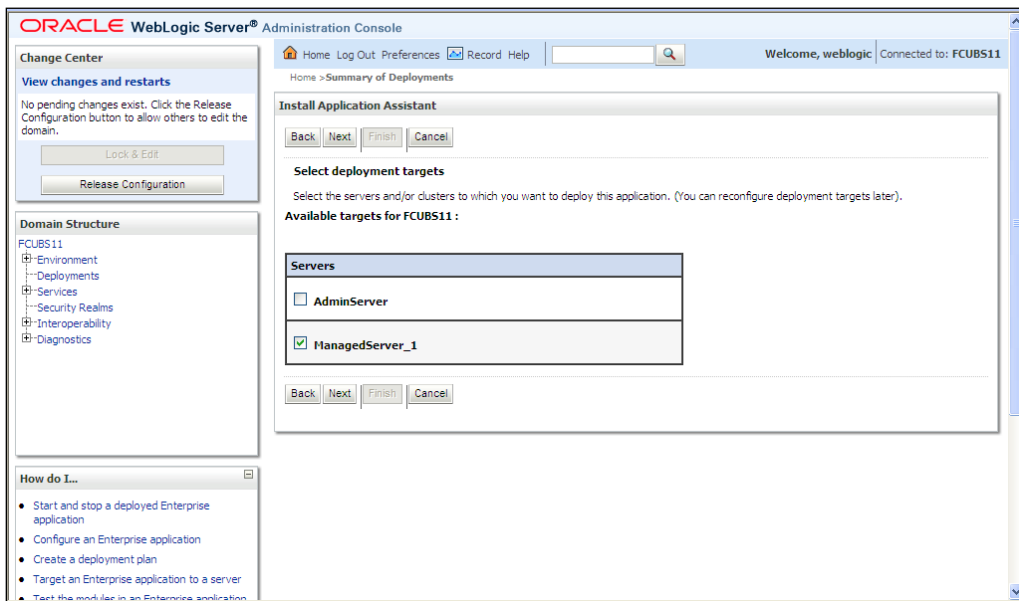
9. Click 'Next'. Following screen is displayed:



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

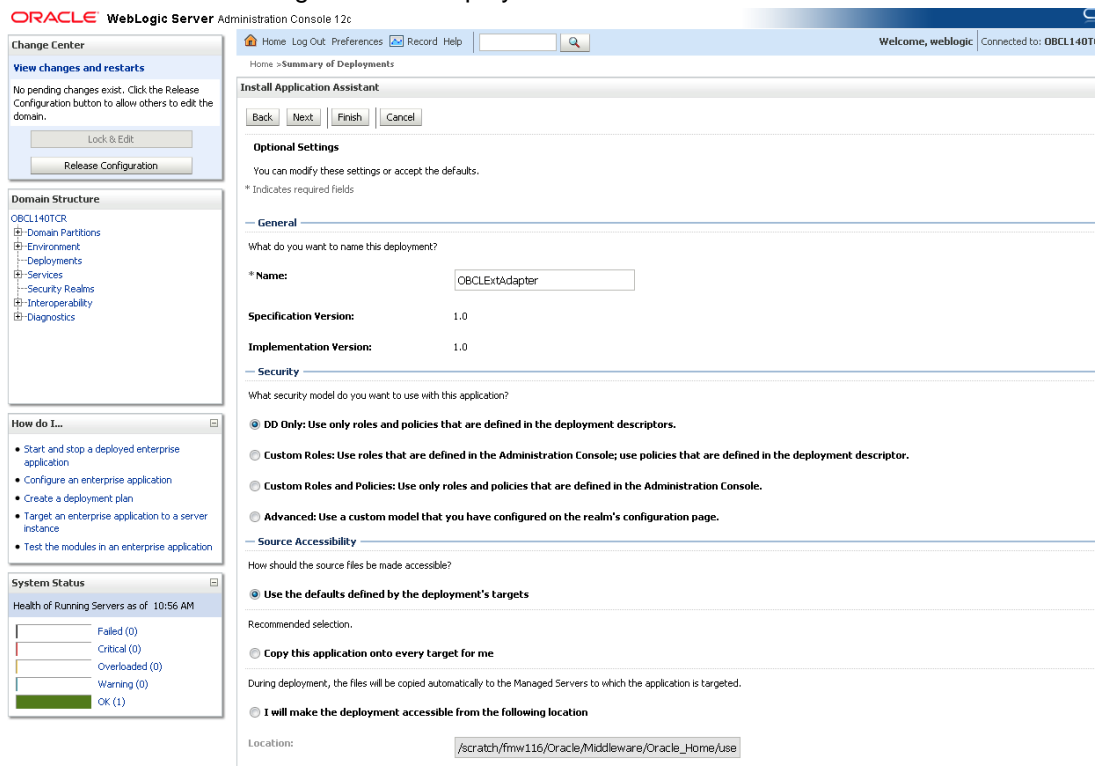
11. Click 'Next'.

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. The left sidebar contains the 'Change Center' with 'View changes and restarts' and 'Release Configuration' buttons. Below it is the 'Domain Structure' tree showing 'OBCL140TCR' and its sub-nodes. The 'How do I...' section lists tasks like starting/stopping applications and creating deployment plans. The 'System Status' section shows the health of running servers as of 10:57 AM, with one server in 'OK' status.

The main content area is titled 'Install Application Assistant' and shows the 'Summary' tab. It includes a 'Review your choices and click Finish' section with a 'Click Finish to complete the deployment' instruction. Below this is the 'Additional Configuration' section with a radio button selected for 'Yes, take me to the deployment's configuration screen.' The 'Summary' section displays the deployment details:

Components	Targets
OBCL140TCR	AdminServer_OBCL140TCR

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

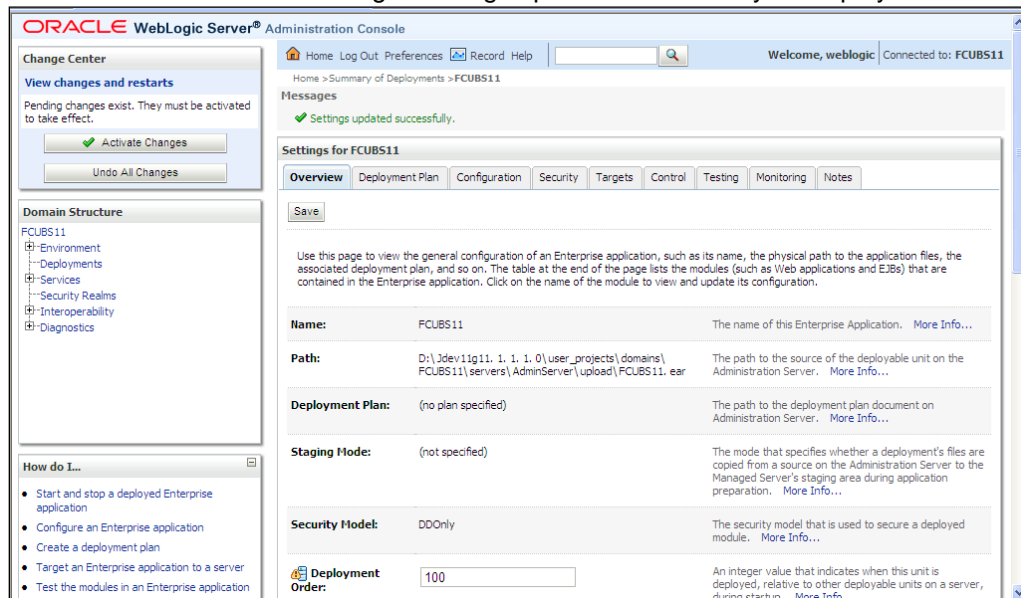
17. Click 'Finish' button. The following screen is displayed.

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains the 'Change Center' with 'Activate Changes' and 'Undo All Changes' buttons. Below it is the 'Domain Structure' tree showing 'FCUBS11' and its sub-nodes. The 'How do I...' section lists tasks like starting/stopping applications and creating deployment plans.

The main content area is titled 'Settings for FCUBS11' and shows the 'Overview' tab. It includes a 'Save' button and a description of the page's purpose. Below this is a table of settings:

Setting	Value	Description
Name	FCUBS11	The name of this Enterprise Application. More Info...
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. More Info...
Deployment Plan	(no plan specified)	The path to the deployment plan document on Administration Server. More Info...
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. 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 on a server, during startup. More Info...
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.



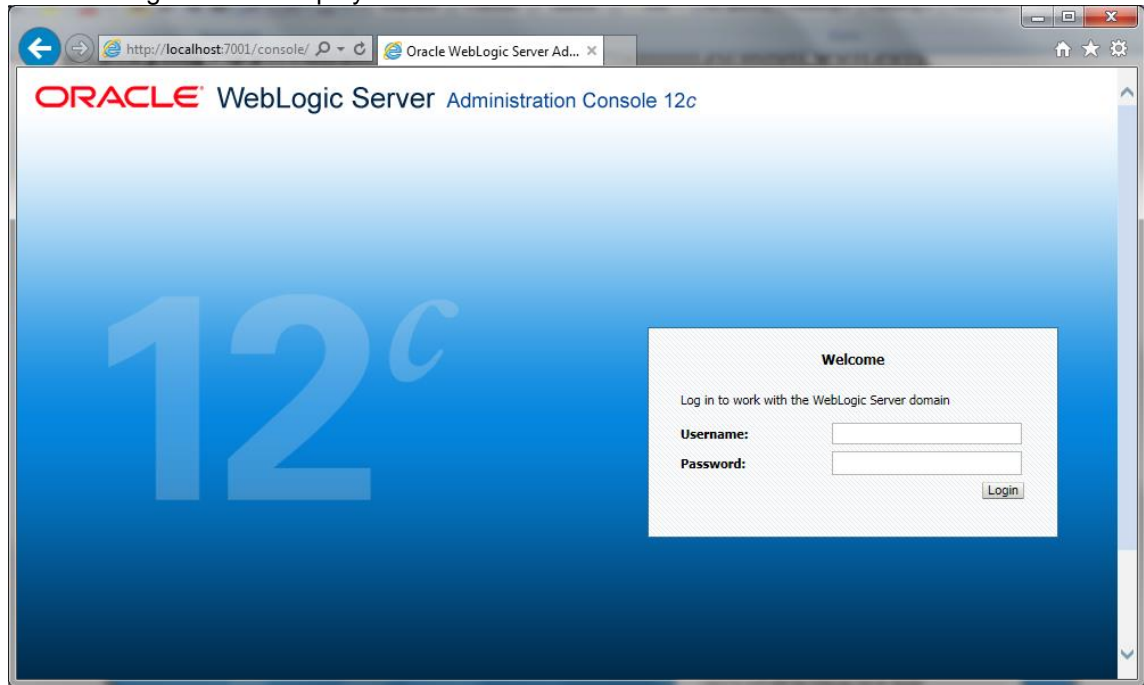
19. Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed.

1.3.2 Deploying Dependency Library "Jax-RS"

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

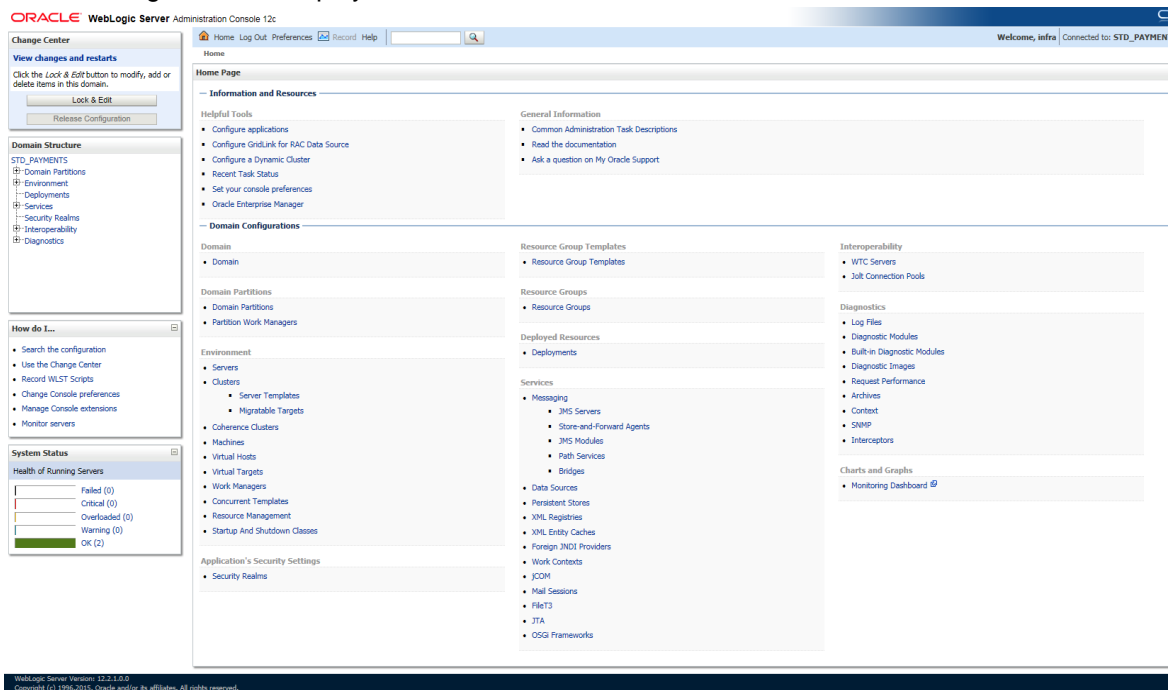
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.
Eg: <http://10.10.10.10:1001/console>

2. The following screen is displayed:



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

The following screen is displayed:



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.

Look & 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)

Home
Log Out
Preferences
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 (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**.

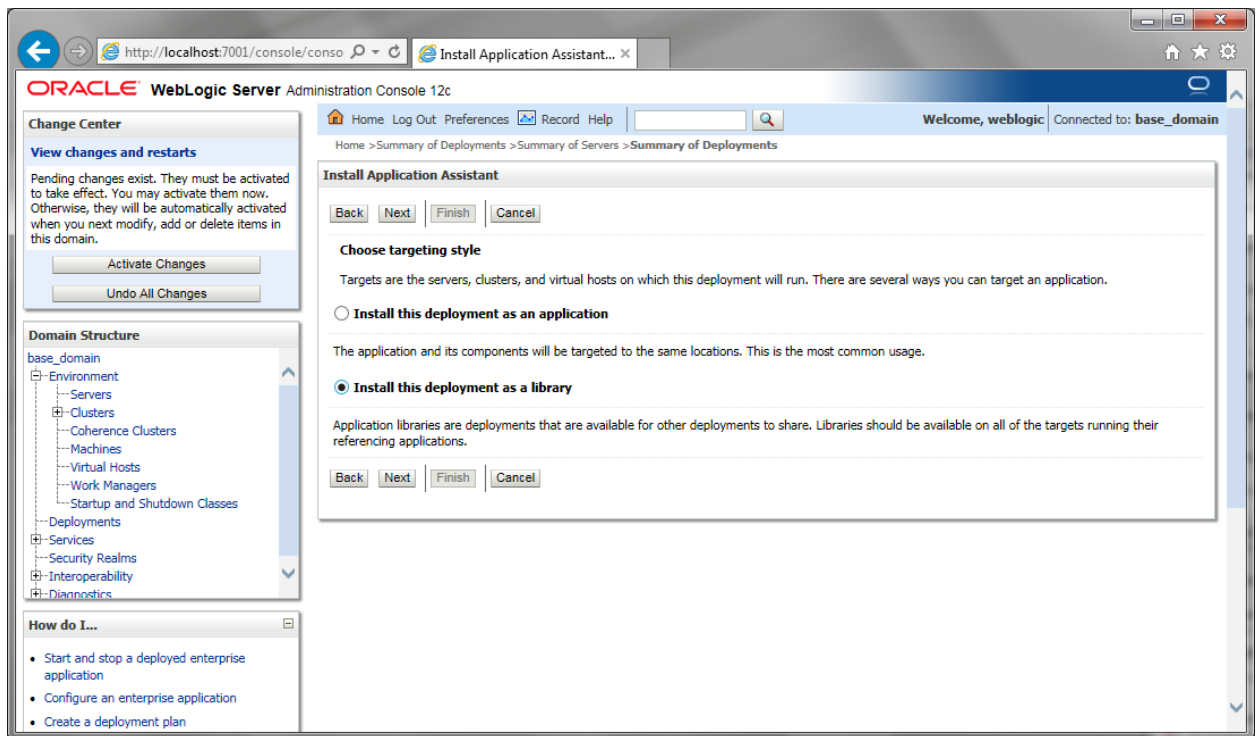
Customize this table
Deployments

Install
Update
Delete

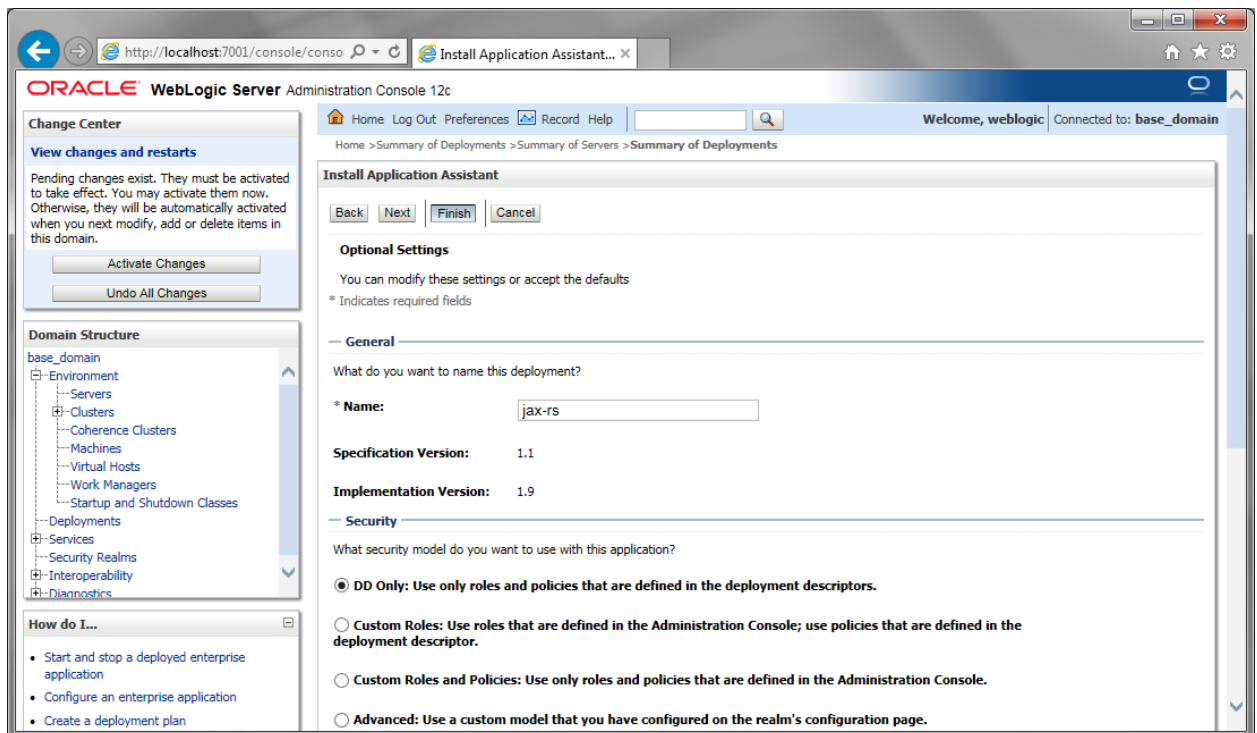
Showing 1 to 60 of 60
Previous
Next

<input type="checkbox"/>	Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
<input type="checkbox"/>	adf.oracle.businesseditor(1.0,12.2.1.0.0)	Active		Library	AdminServer_payments, pm_server1	Global		100
<input type="checkbox"/>	adf.oracle.domain(1.0,12.2.1.0.0)	Active		Library	AdminServer_payments, pm_server1	Global		100
<input type="checkbox"/>	adf.oracle.domain.webapp(1.0,12.2.1.0.0)	Active		Library	AdminServer_payments, pm_server1	Global		100
<input type="checkbox"/>	coherence-transaction-rar	Active	OK	Resource Adapter	AdminServer_payments, pm_server1	Global		100
<input type="checkbox"/>	com.sas.sasApplication(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"/>	emagentdiskimpl_jar(12.4.12.1.0.4.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	emagentdiskimpl_jar(12.4.12.1.0.4.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	emagenttdisk_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"/>	emecore	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	emecoreclient_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	emecorecommon_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	emecoreconsole_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	emecoreintdisk_jar(11.2.0.1.0,12.1.0.0.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	emecorepbe_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	emecoresdiskimpl_jar(11.2.0.1.0,12.1.0.0.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	emecoresdisk_jar(11.2.0.1.0,12.1.0.0.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	emecore_jar	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	em_common(12.4.12.1.0.4.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	em_core gpc pojo jar	Active		Library	AdminServer_payments	Global		100

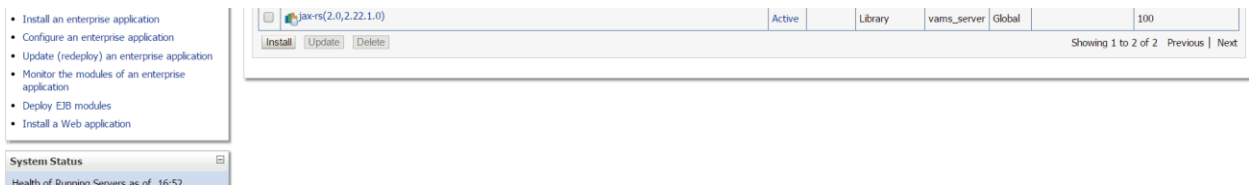
Navigate and select jersey bundle under the path “*w\server\common\deployable-libraries\jax-rs-2.0.war*” and click next



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

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
 Log Out
 Preferences
 Record Help

Welcome, infra
 Connected to: STD_PAYMEN

Home Page

Information and Resources

Helpful Tools

- Configure applications
- Configure GridLink for RAC Data Source
- Configure a Dynamic Cluster
- Recent Task Status
- Set your console preferences
- Oracle Enterprise Manager

General Information

- Common Administration Task Descriptions
- Read the documentation
- Ask a question on My Oracle Support

Domain Configurations

Domain

Domain Partitions

- Domain Partitions
- Partition Work Managers

Environment

- Servers
- Clusters
 - Server Templates
 - Migratable Targets
- Coherence Clusters
- Machines
- Virtual Hosts
- Virtual Targets
- Work Managers
- Concurrent Templates
- Resource Management
- Startup And Shutdown Classes

Applications' Security Settings

- Security Realms

Resource Group Templates

- Resource Group Templates

Resource Groups

- Resource Groups

Deployed Resources

- Deployments

Services

- Messaging
 - 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
- ECOM
- Mail Sessions
- FileT3
- JTA
- OSGI Frameworks

Interoperability

- WTC Servers
- Job Connection Pools

Diagnostics

- Log Files
- Diagnostic Modules
- Built-in Diagnostic Modules
- Diagnostic Images
- Request Performance
- Archives
- Context
- SNMP
- Interceptors

Charts and Graphs

- Monitoring Dashboard

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

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

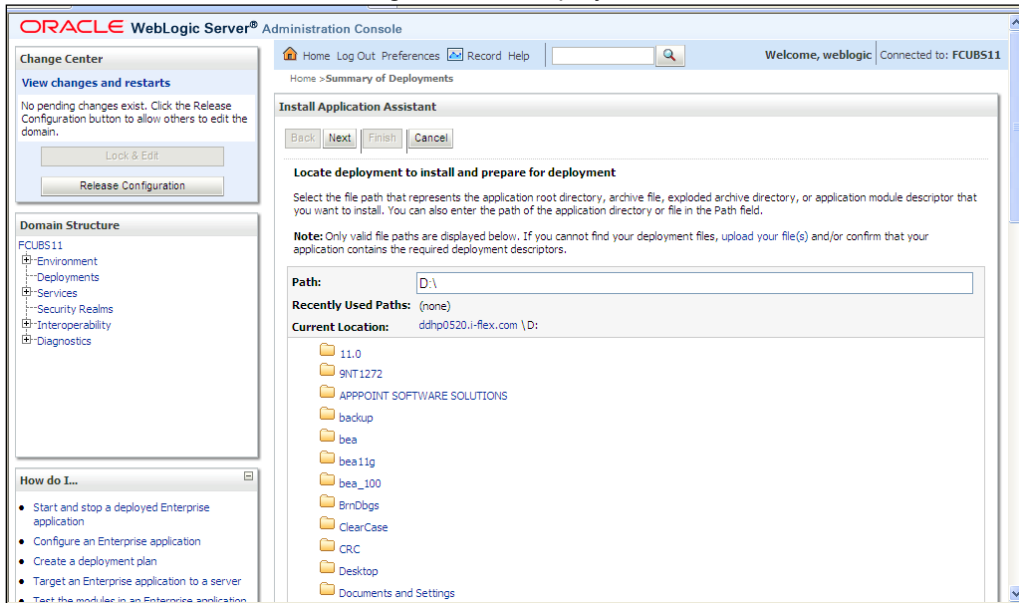
Update

Delete

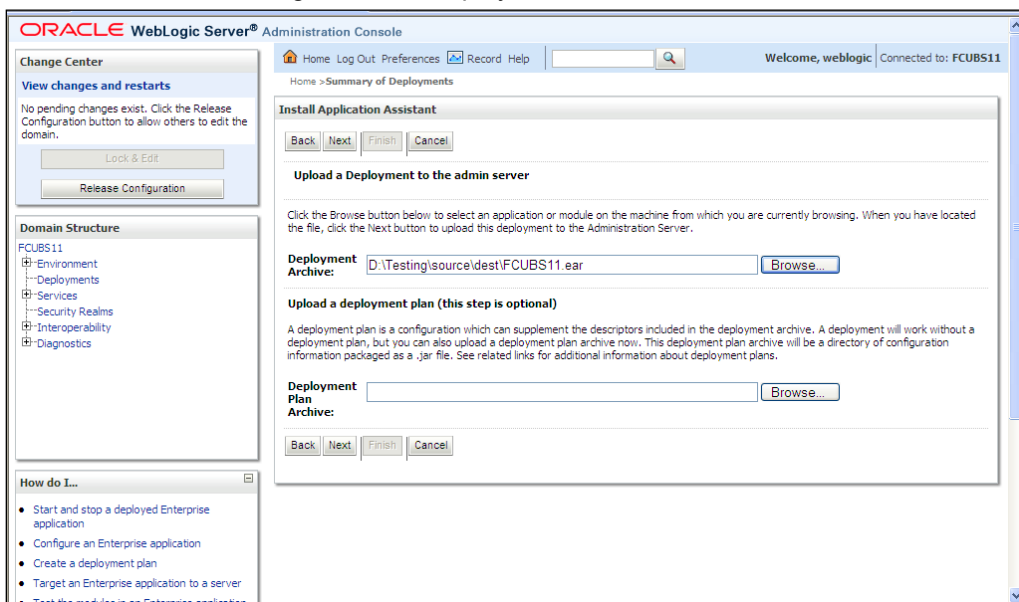
Showing 1 to 60 of 60 Previous | Next

<input type="checkbox"/>	Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
<input type="checkbox"/>	self.oracle.businesseditor(12.2.1.0.0)	Active		Library	AdminServer_payments, pm_server1	Global		100
<input type="checkbox"/>	self.oracle.domain(12.2.1.0.0)	Active		Library	AdminServer_payments, pm_server1	Global		100
<input type="checkbox"/>	self.oracle.domain.webapp(12.2.1.0.0)	Active		Library	AdminServer_payments, pm_server1	Global		100
<input type="checkbox"/>	coherence-transaction-war	Active	OK	Resource Adapter	AdminServer_payments, pm_server1	Global		100
<input type="checkbox"/>	OWS 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"/>	emagenttslapijv_jar(12.4.12.1.0.4.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	emagenttslapi_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"/>	emomexclient_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"/>	emomextsdl_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"/>	emomextsdlapi_jar(11.2.0.1.0.12.1.0.0.0)	Active		Library	AdminServer_payments	Global		100
<input type="checkbox"/>	emomextsdlapi_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:

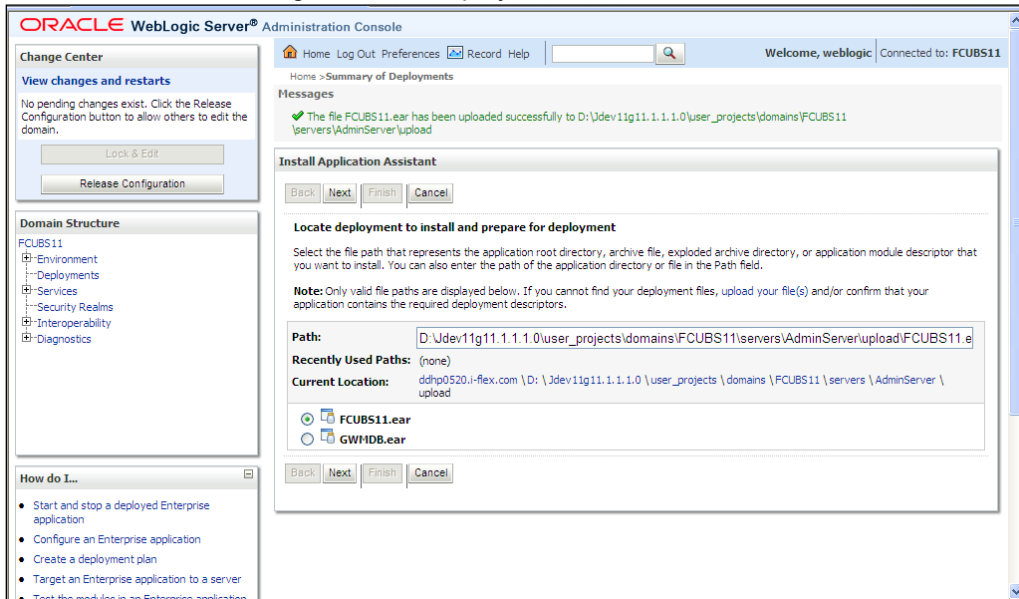


5. In order to specify the path/location of the enterprise archive file, click the link 'upload your file(s)'.
6. Click 'Next'. The following screen is displayed:



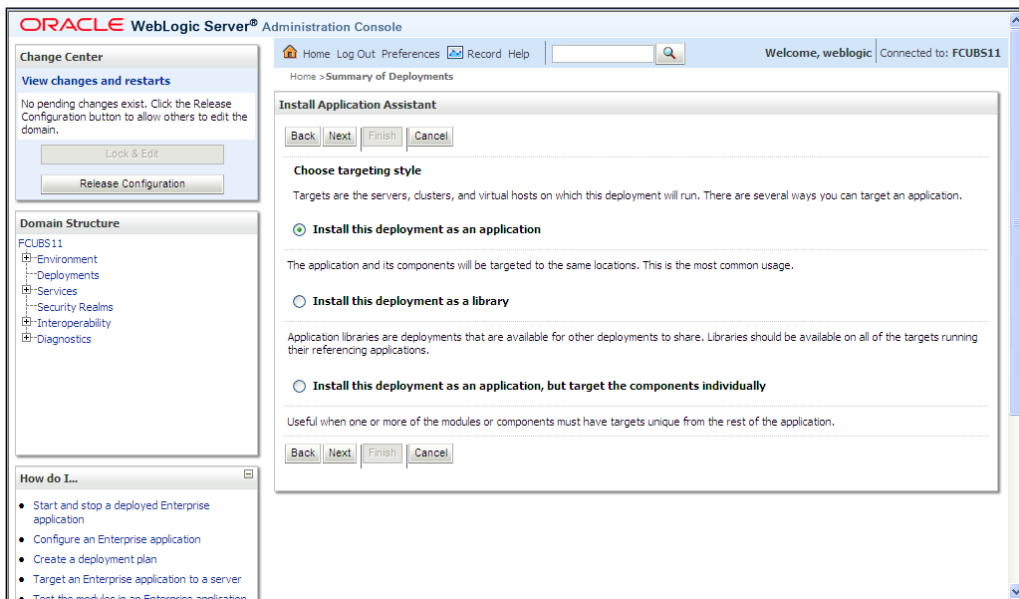
7. Specify the EAR file path. You can use the 'Browse' button to locate the file.

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



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

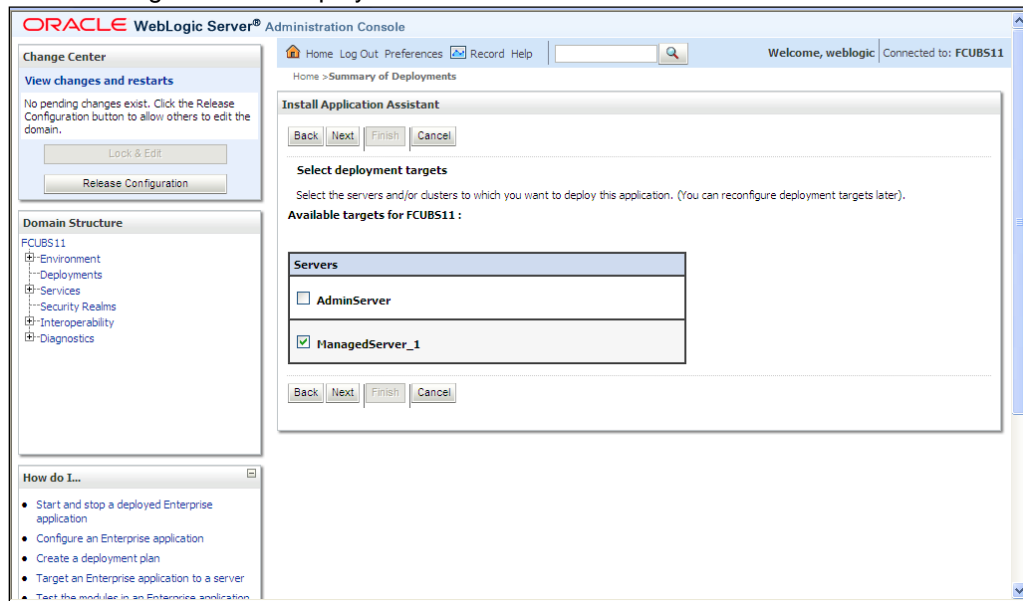
10. Click 'Next'. Following screen is displayed:



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

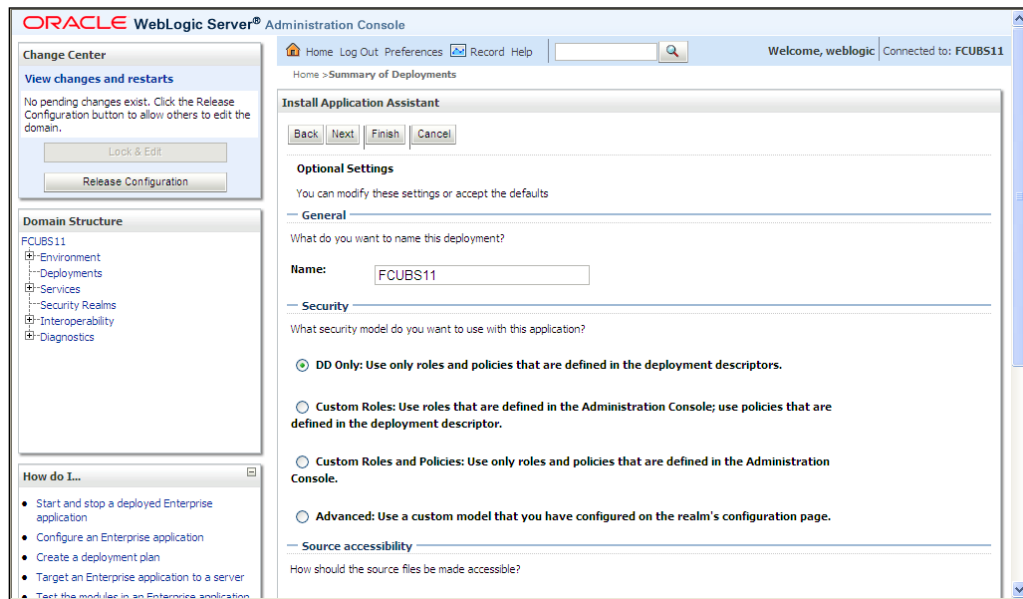
12. Click 'Next'.

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:

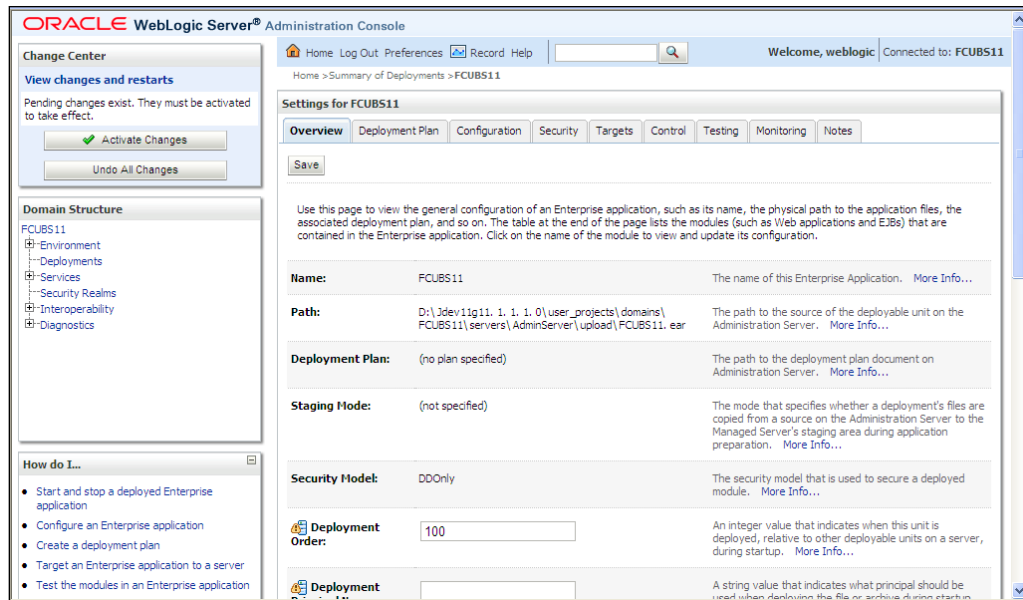
The screenshot shows the 'Security' and 'Source accessibility' configuration screens. On the left, there is a navigation pane with 'Security Realms', 'Interoperability', and 'Diagnostics'. Below it, a 'How do I...' section lists tasks like 'Start and stop a deployed Enterprise application'. The 'System 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:\Udev11g11.1.1.0\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.

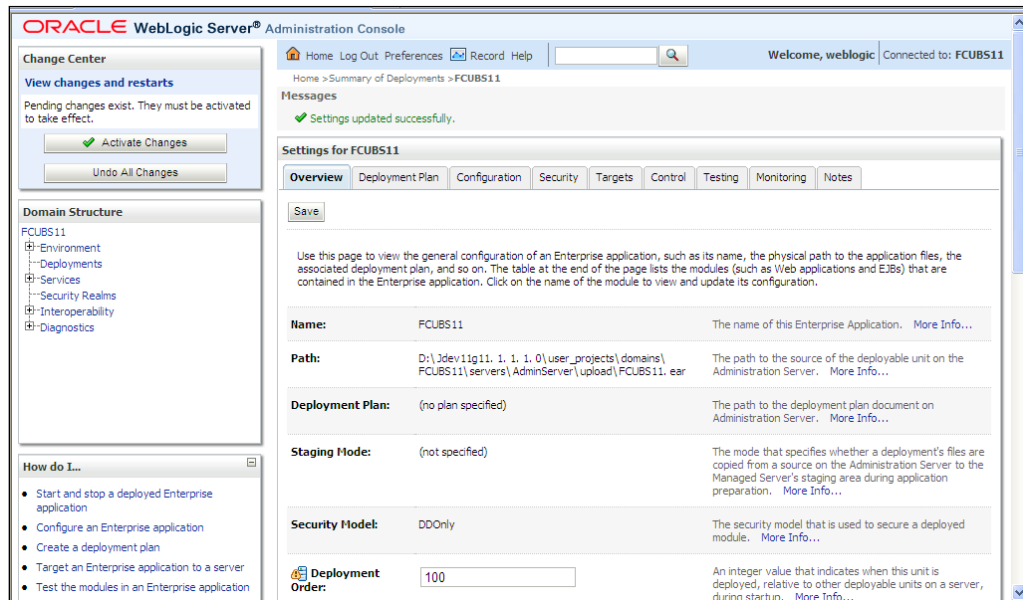
The following screen is displayed.

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 'Install Application Assistant' and contains a 'Review your choices and click Finish' section. It includes a 'Summary' section with the following details: 'Deployment: D:\Udev11g11.1.1.0\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'. Below the summary is a 'Target Summary' table with two columns: 'Components' and 'Targets'. The table shows 'FCUBS11.ear' as the component and 'ManagedServer_1' as the target. At the bottom, there are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

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

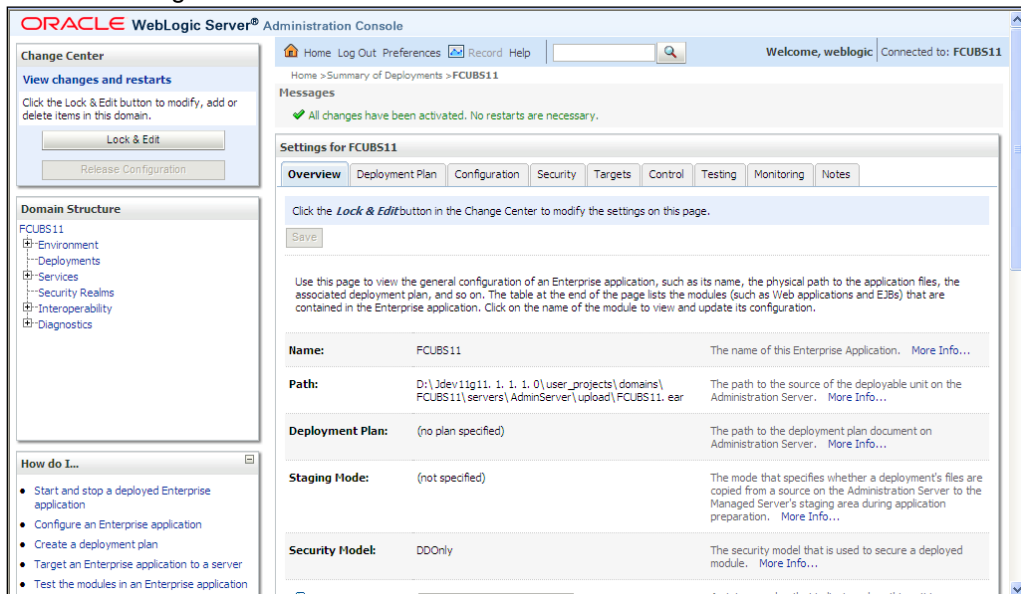


18. Click 'Save' button. The message 'Settings updated successfully' is displayed.

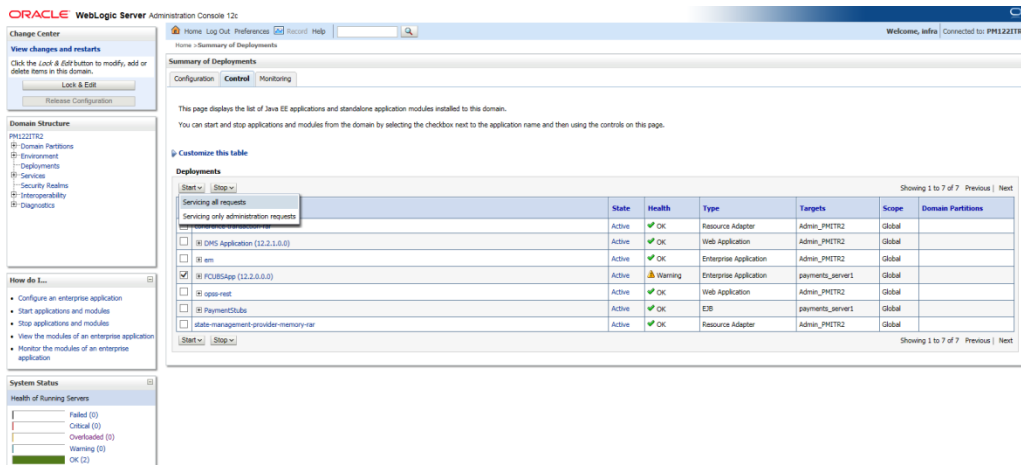


19. Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed.

The screen is given below:

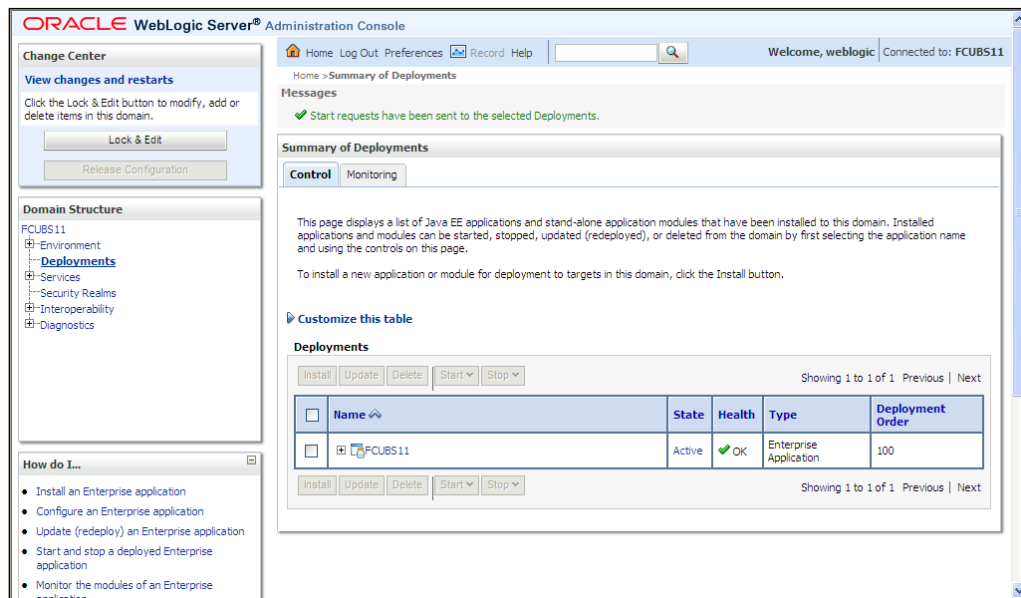
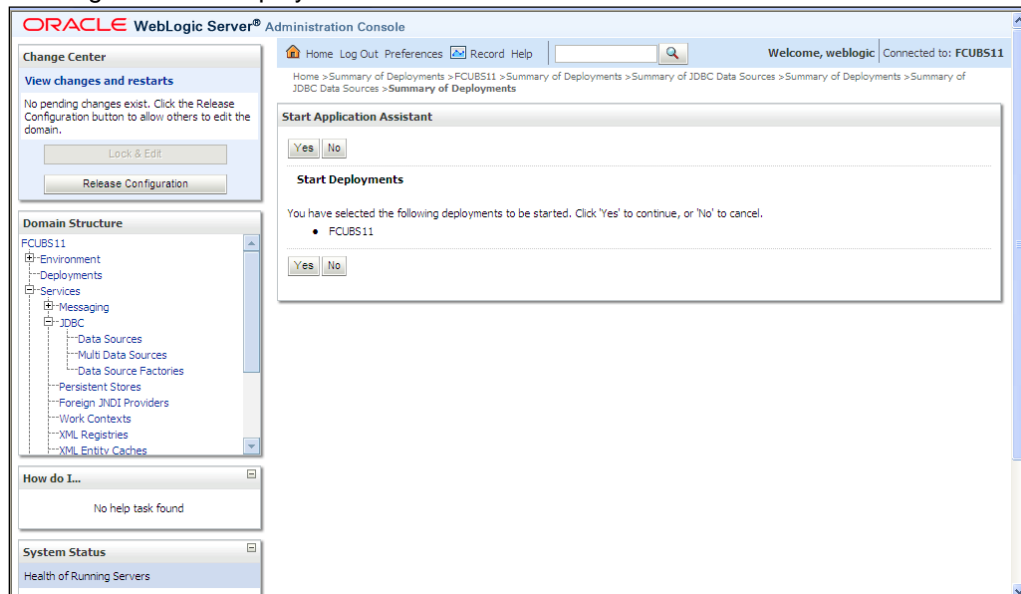


Click 'Deployment' on the left pane. Switch to Control tab .The following screen is displayed.



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.

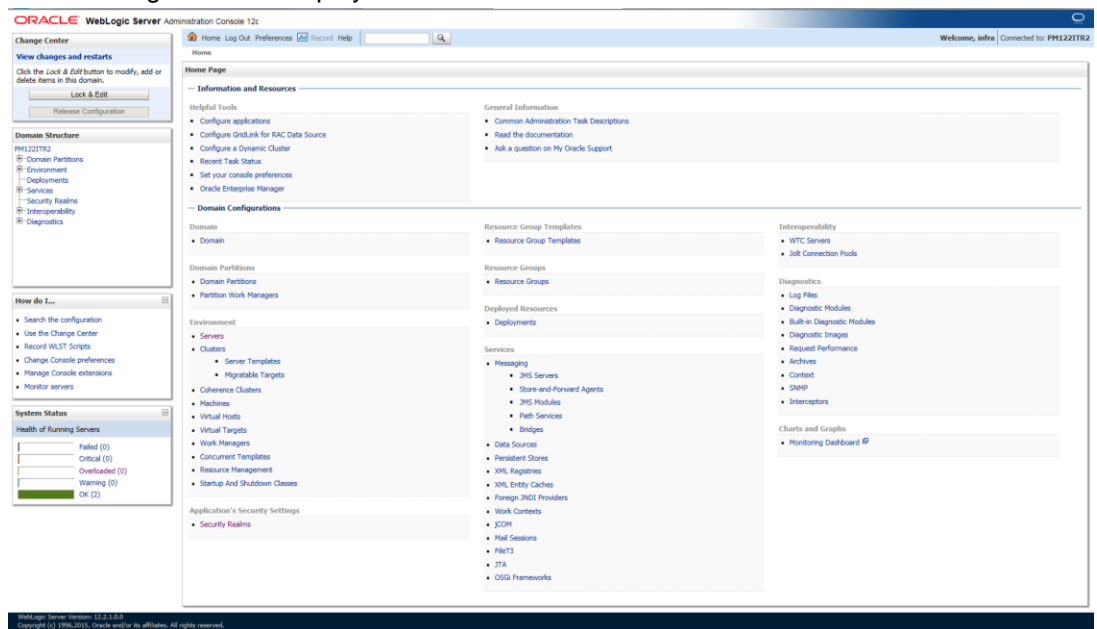
1. Launch Administrative Console of WebLogic application server. You can launch this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.
Eg: <http://10.10.10.10:1001/console>

22. The following screen is displayed:



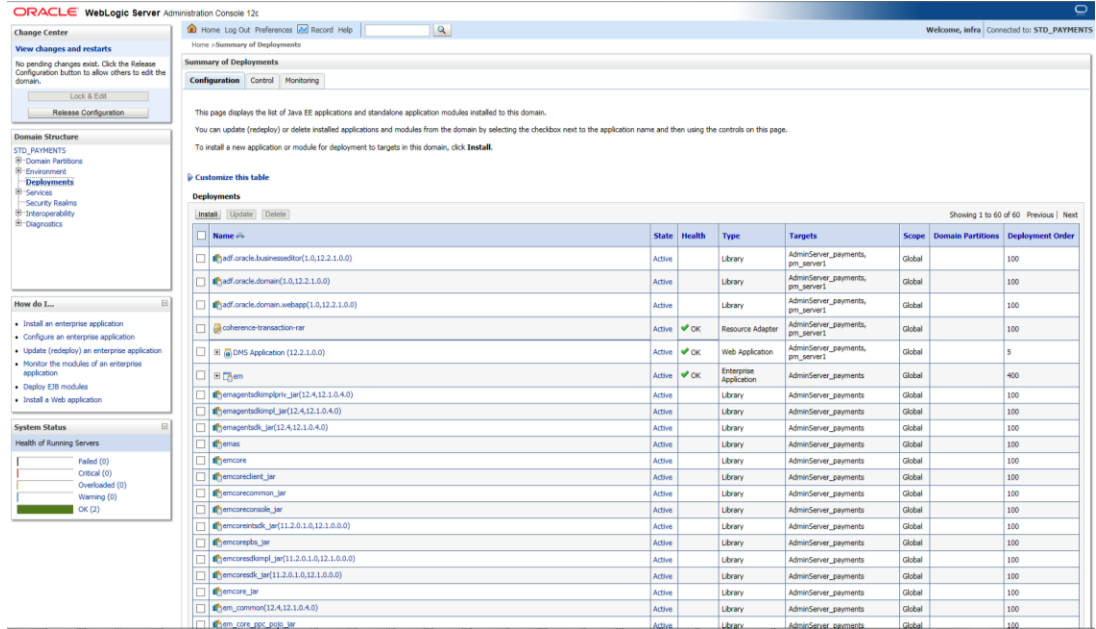
23. Specify the WebLogic administrator user name and password. Click 'Log In'.

The following screen is displayed:

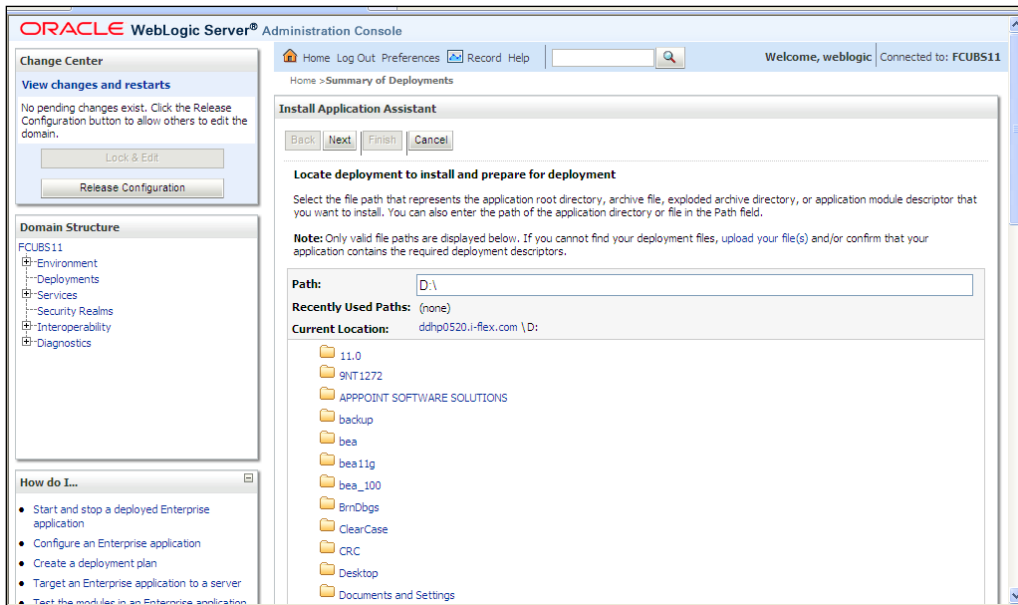


24. You need to deploy an EAR. For e.g. 'GWEJB.ear'. Go to 'Deployment'.

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

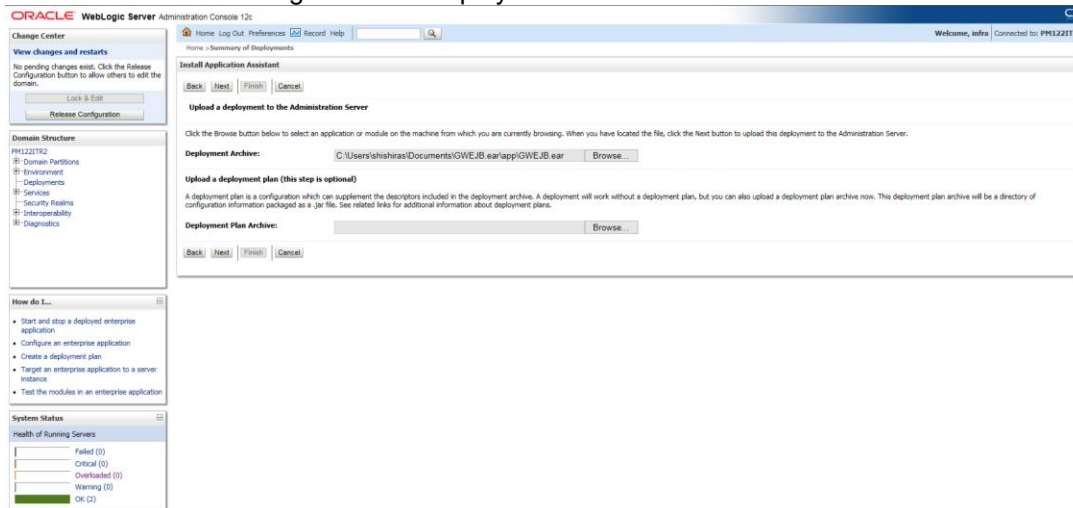


25. Click 'Install' button. The following screen is displayed:



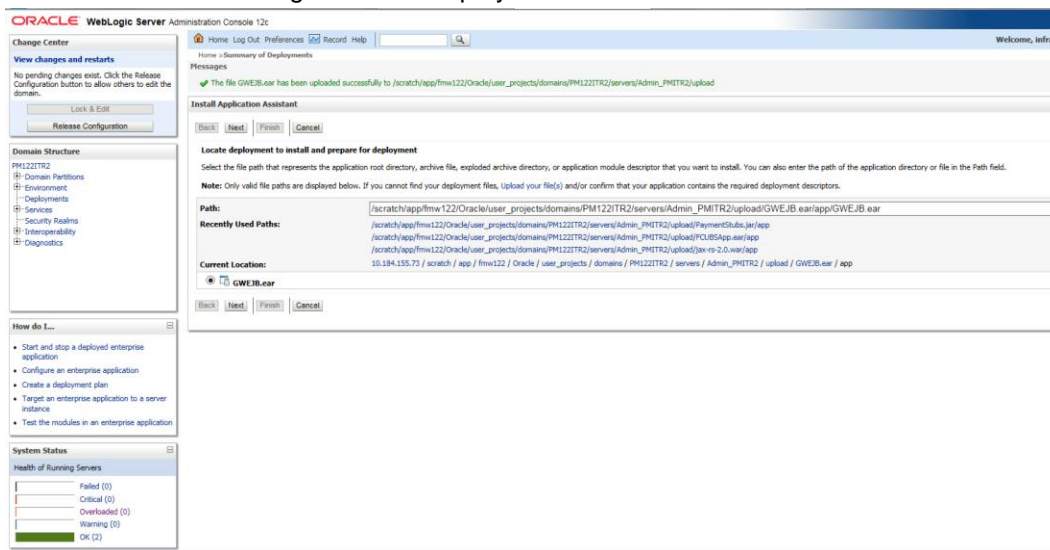
26. In order to specify the path/location of the enterprise archive file, click the link 'upload your file(s)'.

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 Oracle WebLogic Server Administration Console. On the left, there are three panels: 'Change Center' with 'View changes and restarts' and 'Release Configuration' buttons; 'Domain Structure' showing a tree view with 'PM1221TR2' selected; and 'System Status' showing 'Health of Running Servers' with a bar chart indicating 'OK (2)'. The main area is titled 'Install Application Assistant' and contains the following text: 'Choose installation type and scope. Select if the deployment should be installed as an application or library. Also decide the scope of this deployment. The application and its components will be targeted to the same locations. This is the most common usage.' Below this, there are 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 is set to 'Global'. At the bottom, there are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

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

33. Click 'Next'.

The following screen is displayed

The screenshot shows the Oracle WebLogic Server Administration Console. On the left, there are three panels: 'Change Center' with 'View changes and restarts' and 'Release Configuration' buttons; 'Domain Structure' showing a tree view with 'PM1221TR2' selected; and 'System Status' showing 'Health of Running Servers' with a bar chart indicating 'OK (2)'. The main area is titled 'Select deployment targets' and contains the following text: 'Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets later).' Below this, there is a table titled 'Available targets for GWEJB :'. The table has two columns: 'Servers' and 'Status'. The first row is 'Admin_PM1TR2' with a status of 'Not Selected'. The second row is 'payments_server1' with a status of 'Selected'. At the bottom, there are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

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 | Con

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...](#)

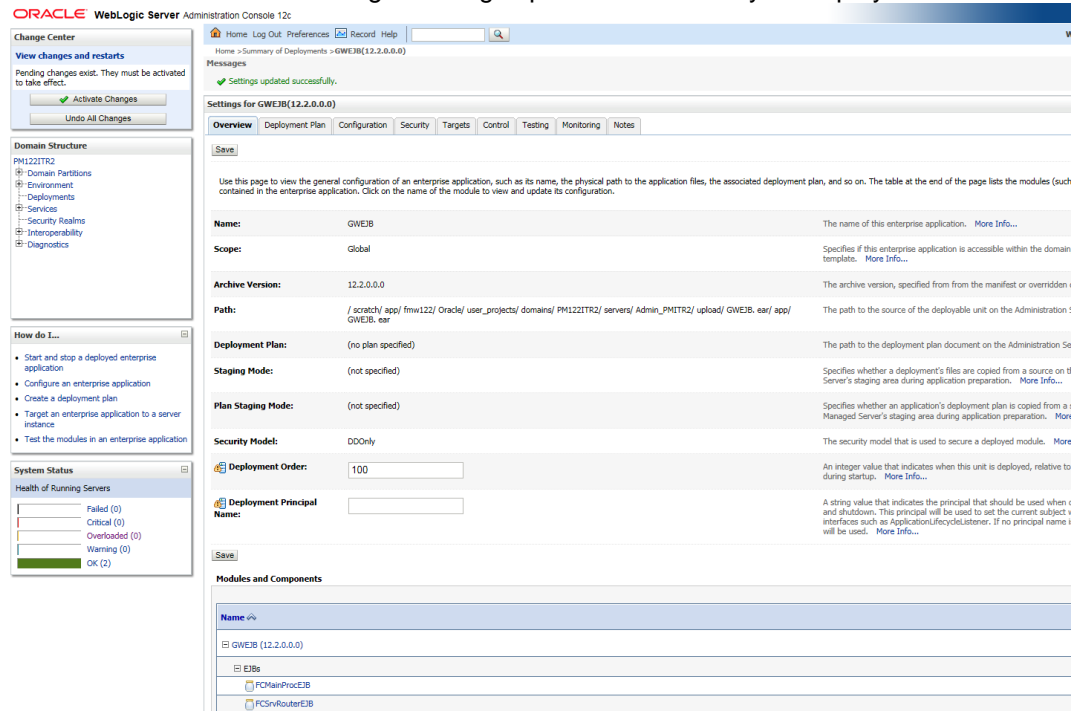
Deployment Principal Name: A string value that indicates the principal that should be used when deploying the file or arc and shutdown. This principal will be used to set the current subject when calling out into interfaces such as ApplicationLifecycleListener. If no principal name is specified, then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

Save

Modules and Components Showing 1 to 1 of 1

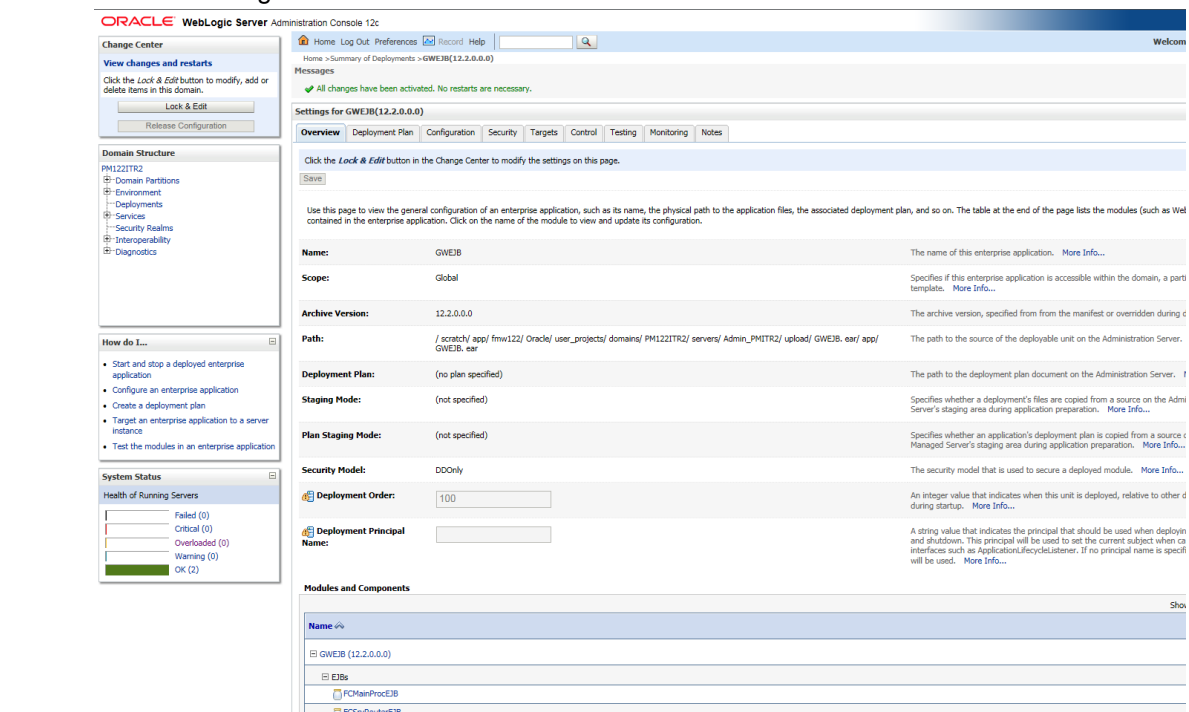
Name
GWEJB (12.2.0.0.0)
<ul style="list-style-type: none"> EDB PCMainProcEJB PCSnvRouterEJB GWEJB

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

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: PPM1221R2

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_PMTSR2	Global	
<input type="checkbox"/> DMS Application (12.2.1.0.0)	Active	OK	Web Application	Admin_PMTSR2	Global	
<input type="checkbox"/> em	Active	OK	Enterprise Application	Admin_PMTSR2	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_PMTSR2	Global	
<input type="checkbox"/> PaymentStub	Active	OK	EDB	payments_server1	Global	
<input type="checkbox"/> state-management-provider-memory-war	Active	OK	Resource Adapter	Admin_PMTSR2	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

[February] [2022]

Version 14.5.4.0.0

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