

Deploying Oracle Banking Trade Finance Application on
WebLogic
Oracle Banking Trade Finance
Release 14.7.1.0.0
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1. Deploying Oracle FLEXCUBE on WebLogic

1.1 Introduction

This chapter explains the steps to deploy Oracle FLEXCUBE UBS application into Oracle WebLogic application server in centralized and decentralized modes. In centralized mode, branch and host are setup in a single PC. In decentralized mode, branch and host are setup in different PCs.

1.2 Building Application

For building Oracle FLEXCUBE Application in centralized and decentralized modes, refer to the following chapters.

1.2.1 Building Application in Centralized Mode

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

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

1.2.2 Building Application in Decentralized Mode

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

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

1.3 Deploying Application in Oracle WebLogic

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

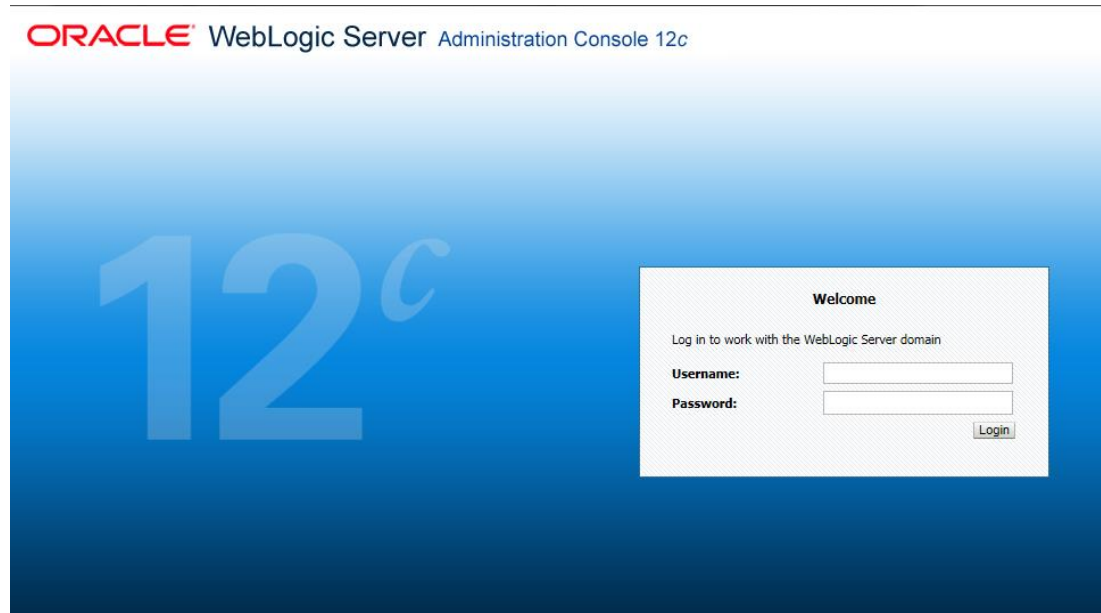
1.3.1 Deploying Integration Adapter EAR from WebLogic Administration Console

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

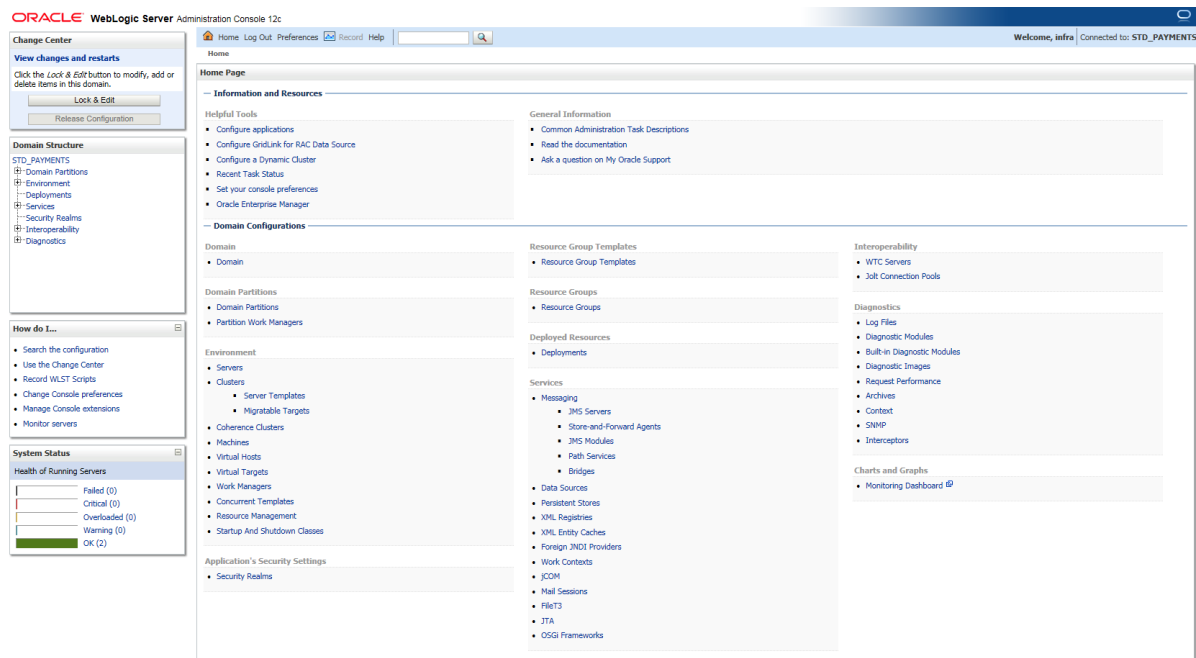
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.

Eg: <http://10.10.10.10:1001/console>

The following screen is displayed:



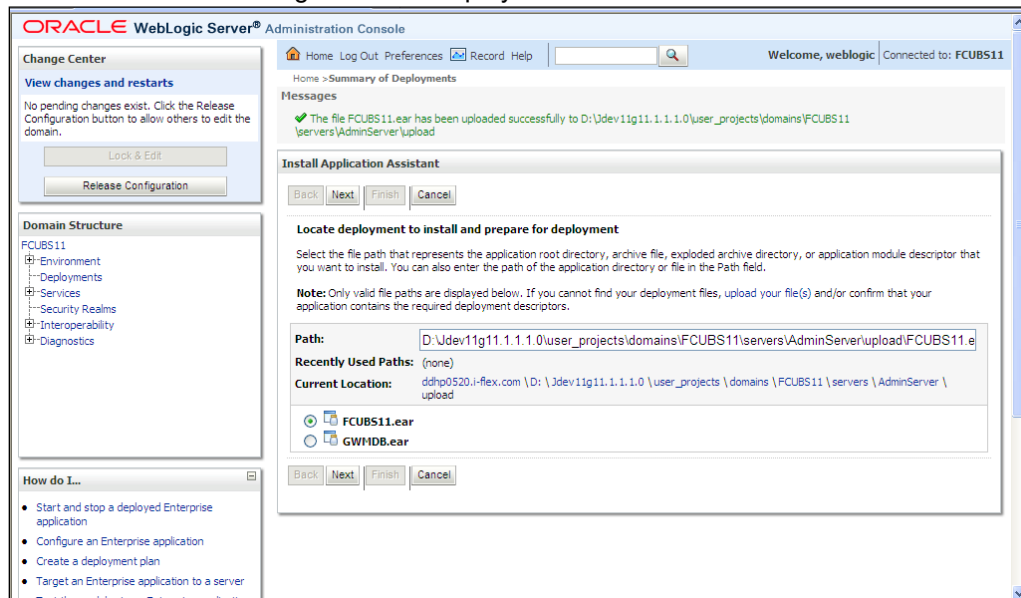
- Specify the WebLogic administrator user name and password. Click 'Log In'.



- You need to deploy an Integration adapter EAR. For e.g. 'OBCLExtAdapter.ear or ExtAdapter.ear'. Go to 'Deployment'.

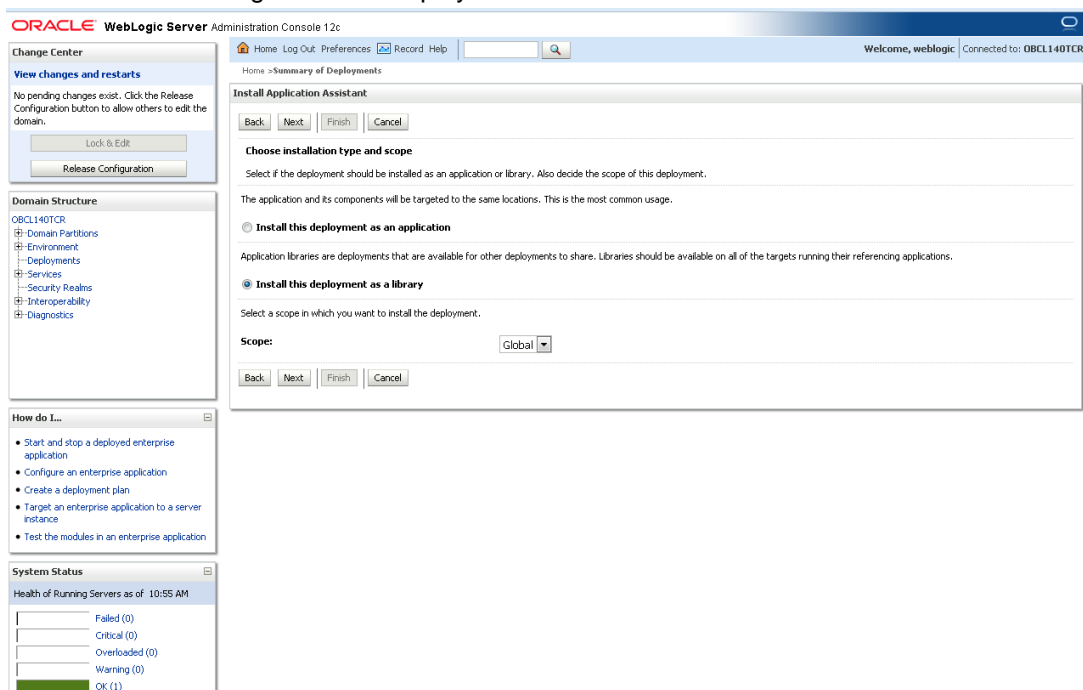
Click 'Lock & Edit' button to enable the buttons. This action enables the buttons.

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



8. Select the application Adapter EAR from the list.

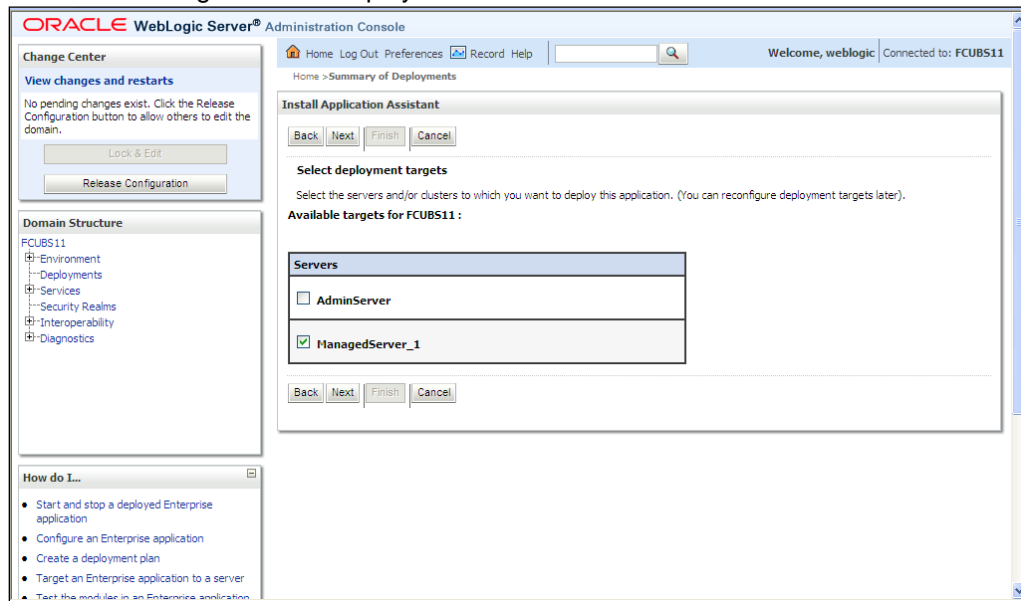
9. Click 'Next'. Following screen is displayed:



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

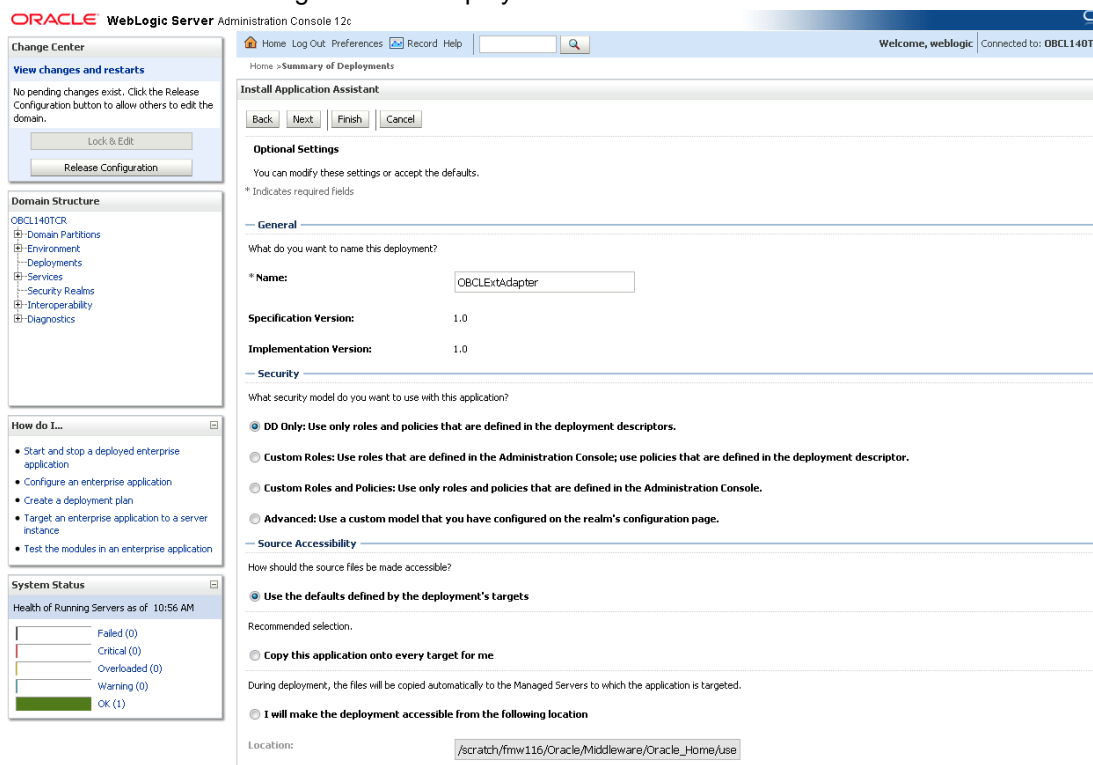
11. Click 'Next'.

12. The following screen is displayed



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

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



15. Check the deployment name.

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

The screenshot shows the Oracle WebLogic Server Administration Console. On the left, there is a 'Change Center' panel with 'View changes and restarts' and 'Release Configuration' buttons. Below it is the 'Domain Structure' tree showing 'OBCL140TCR' and its sub-nodes. Further down is a 'How do I...' section with links to start/stop, configure, create deployment plan, target application, and test modules. At the bottom left is the 'System Status' panel showing 'Health of Running Servers as of 10:57 AM' with a bar chart indicating 'OK (1)'. The main content area is titled 'Install Application Assistant' and includes a 'Review your choices and click Finish' section. It asks if the user wants to review configuration after completion, with 'Yes, take me to the deployment's configuration screen.' selected. Below this is a 'Summary' section showing deployment details for 'OBCL140TCR' and a 'Target Summary' table.

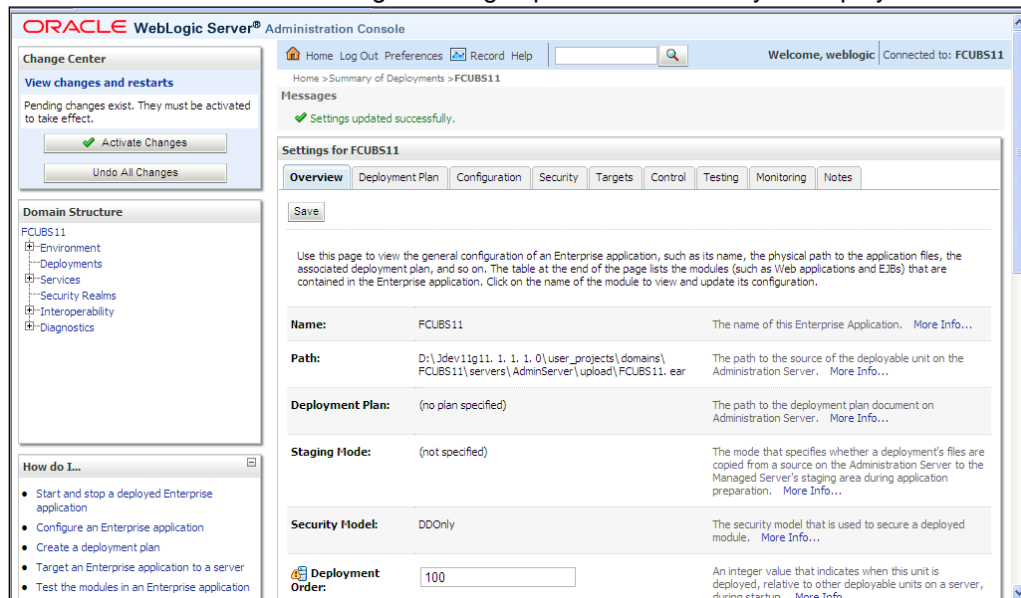
Components	Targets
OBCL140TCR	AdminServer_OBCL140TCR

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

The screenshot shows the Oracle WebLogic Server Administration Console with the 'Settings for FCUBS11' screen. The left sidebar is similar to the previous screen but shows 'FCUBS11' in the domain structure. The main content area has tabs for 'Overview', 'Deployment Plan', 'Configuration', 'Security', 'Targets', 'Control', 'Testing', 'Monitoring', and 'Notes'. The 'Overview' tab is active, displaying a 'Save' button and a description of the page. Below this is a table of settings for the 'FCUBS11' application.

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

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



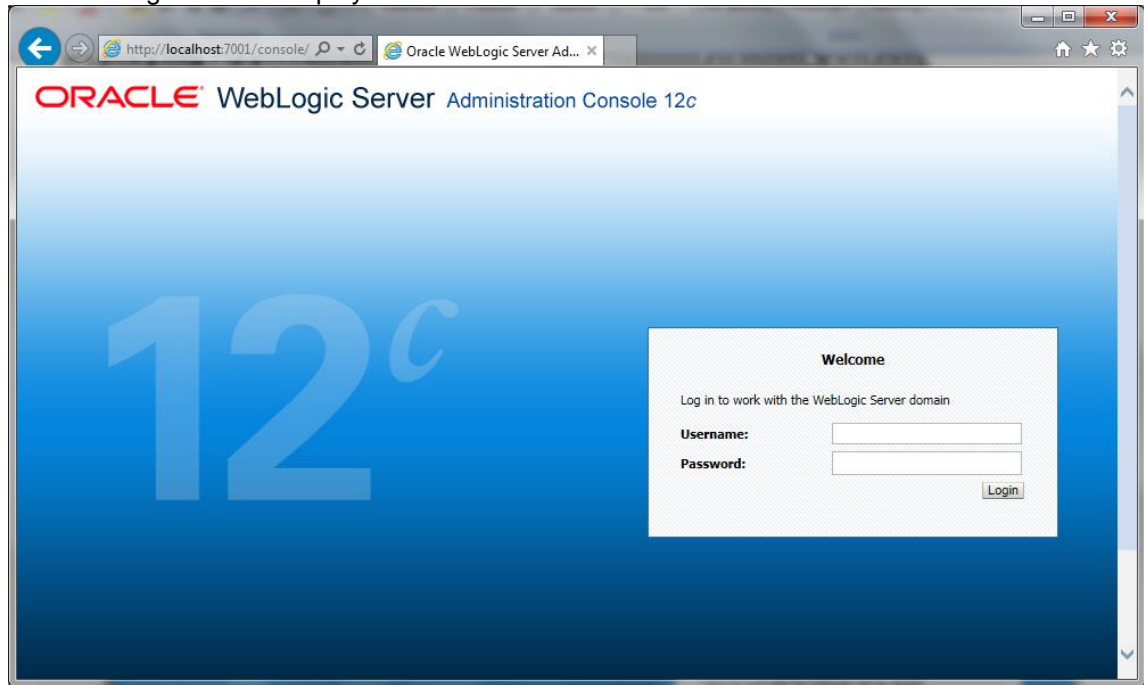
19. Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed.

1.3.2 Deploying Dependency Library "Jax-RS"

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

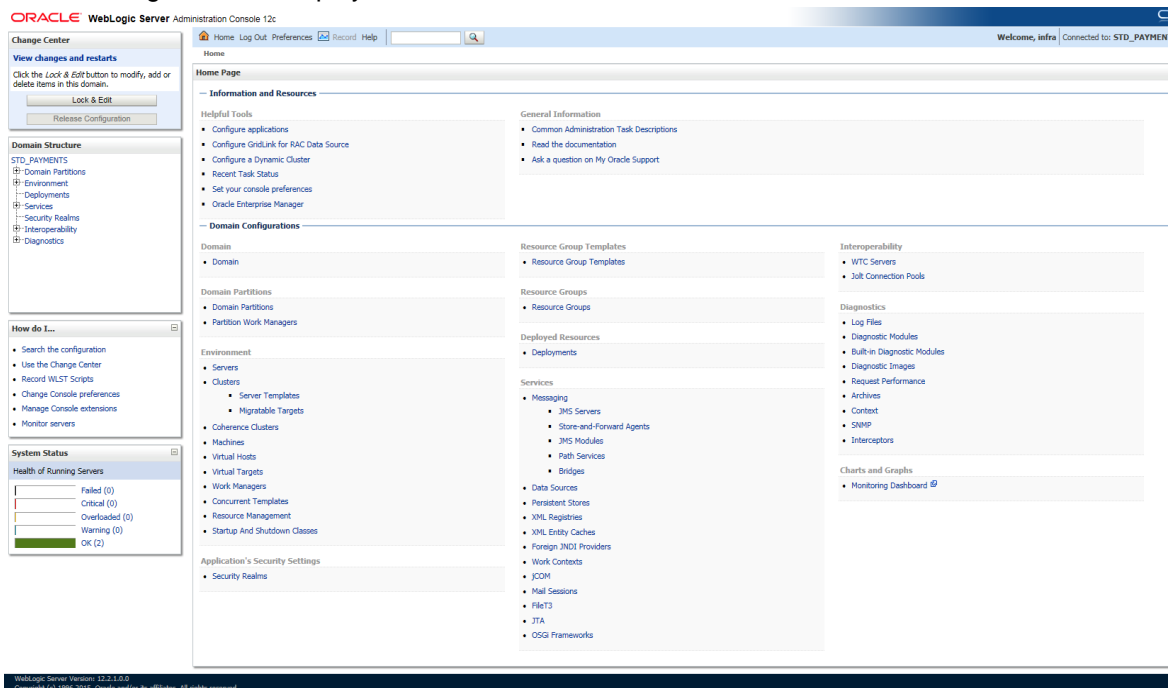
1. Start the Administrative Console of WebLogic application server. You can start this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.
Eg: <http://10.10.10.10:1001/console>

2. The following screen is displayed:



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

The following screen is displayed:



4. Click install button

ORACLE WebLogic Server Administration Console 12c

Home | Log Out | Preferences | Record | Help | Welcome, infra | Connected to: STD_PAYMENT

Change Center
View changes and restarts
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.
Lock & Edit
Release Configuration

Domain Structure
STD_PAYMENT
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 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 (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

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	
emagentsdkimpl_jar(12.4,12.1.0.4.0)	Active		Library	AdminServer_payments	Global	100	
emagentsdkimpl_jar(12.4,12.1.0.4.0)	Active		Library	AdminServer_payments	Global	100	
emagentsdk_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	
emcoreintask_jar(11.2.0.1.0,12.1.0.0.0)	Active		Library	AdminServer_payments	Global	100	
emcoreptbs_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_sdk_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

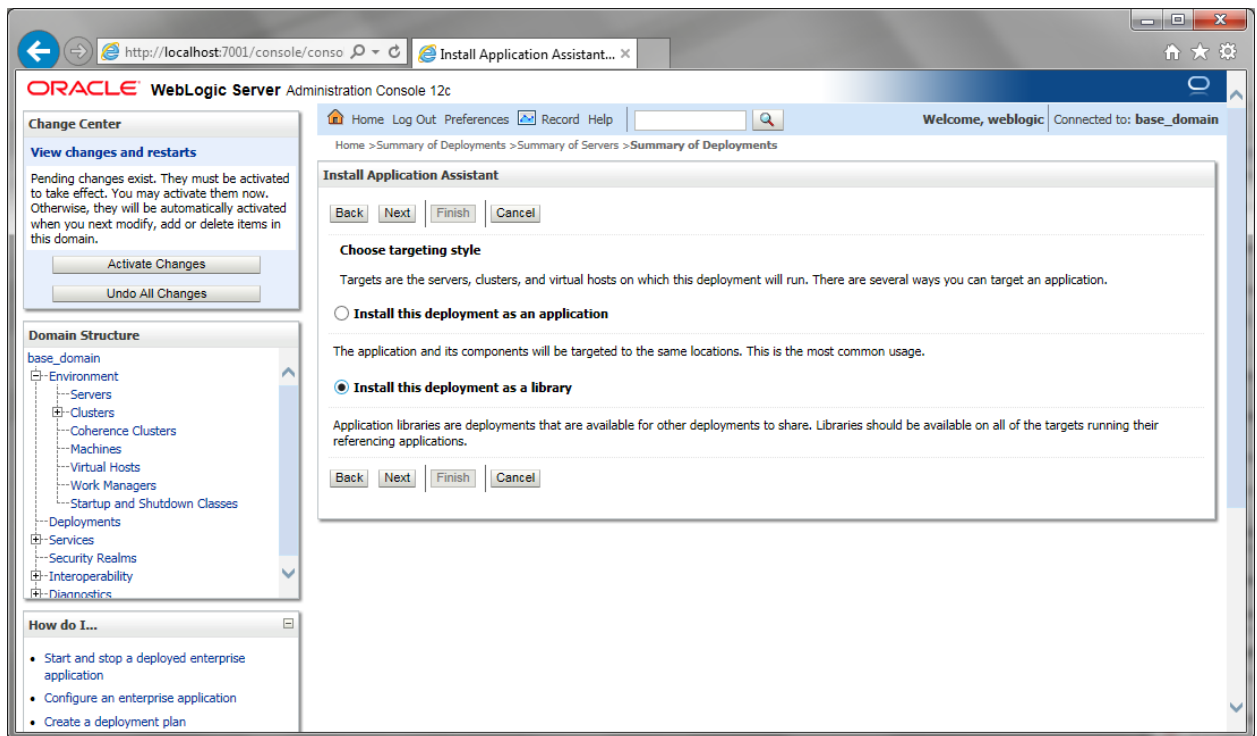
Recently Used Paths: /scratch/app/bpm12212/user_projects/domains/SOADOM3/servers/AdminServer/upload/FCUBS.ear/app

Current Location: 10.184.158.197 / scratch / app / bpm12212 / user_projects / domains / SOADOM3 / servers / AdminServer / upload / jax-rs-2.0.war / app

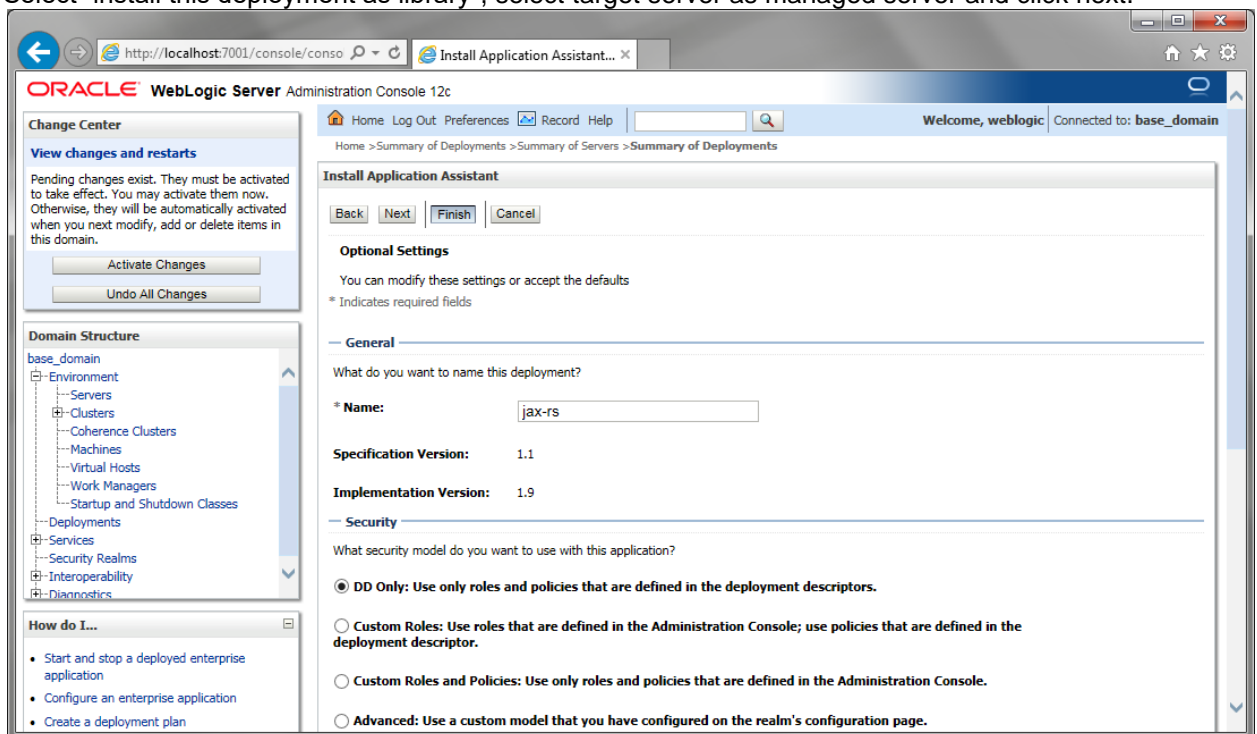
☒ **jax-rs-2.0.war**

Back | Next | Finish | Cancel

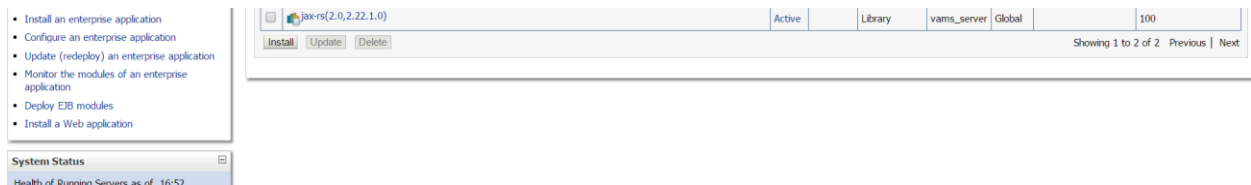
Navigate and select jersey bundle under the path “w\server\common\deployable-libraries\jax-rs-2.0.war” and click next



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”

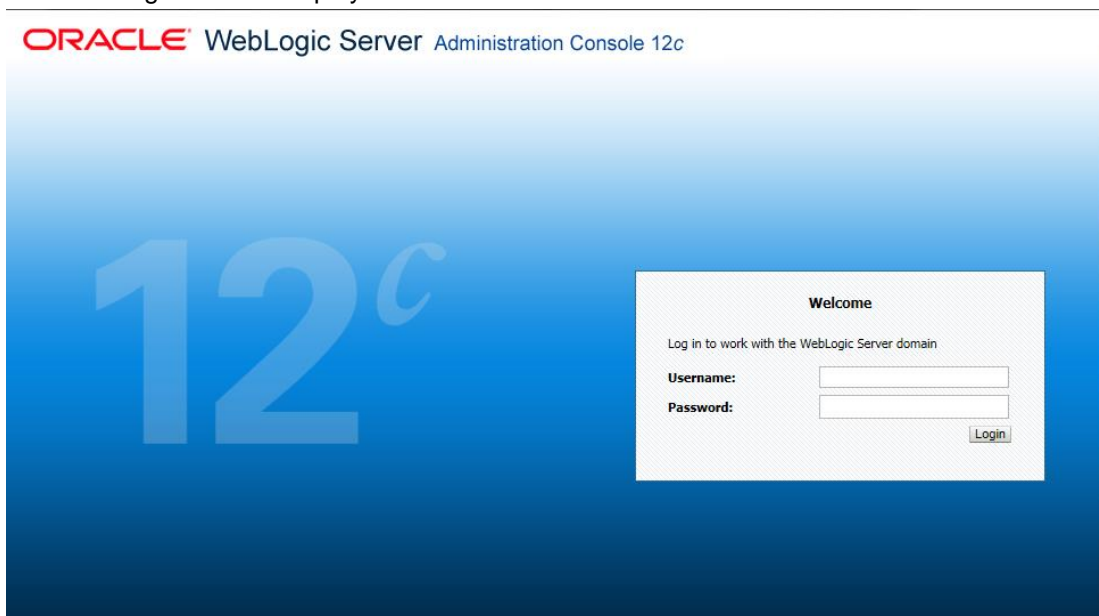
Note :- latest Jax-rs version will be jax-rs(2.0,2.22.1.0)

1.3.3 **Deploying FCUBS Application from WebLogic Administration Console**

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

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

The following screen is displayed:



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

The following screen is displayed:

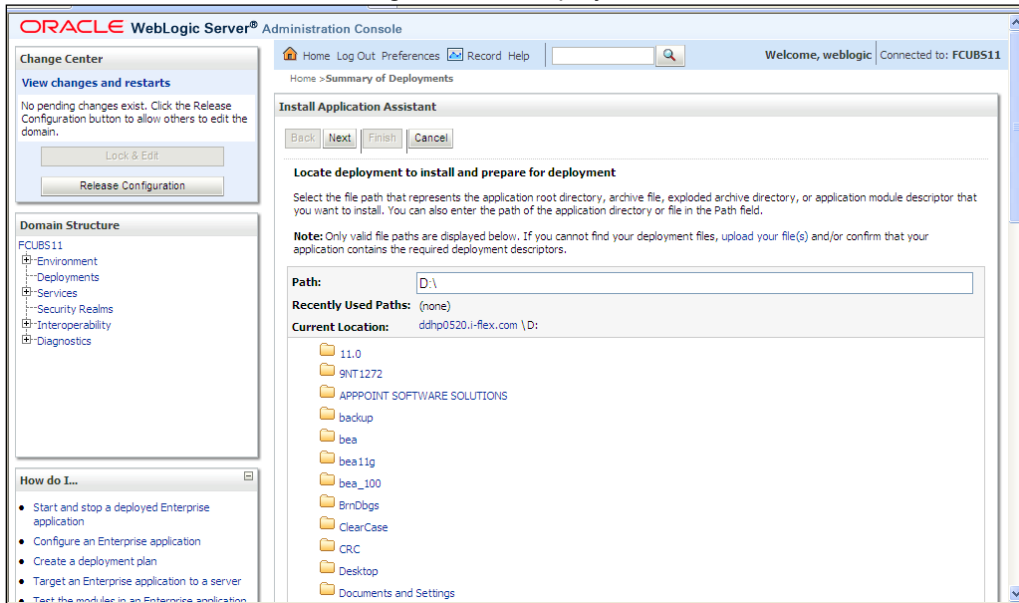
The screenshot displays the Oracle WebLogic Server Administration Console 12c Home Page. The top navigation bar includes links for Home, Log Out, Preferences, Record, and Help. The main content area is divided into several sections: Information and Resources (Helpful Tools, General Information), Domain Configurations (Domain, Domain Partitions, Environment, Servers, Clusters, Server Templates, Migrateable Targets, Coherence Clusters, Machines, Virtual Hosts, Virtual Targets, Work Managers, Concurrent Templates, Resource Management, Startup And Shutdown Classes), 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, JCOIN, Mail Sessions, FileT3, JTA, OSGI Frameworks), Interoperability (WTC Servers, Jolt Connection Pools), Diagnostics (Log Files, Diagnostic Modules, Built-in Diagnostic Modules, Diagnostic Images, Request Performance, Archives, Corba, SNMP, Interceptors), and Charts and Graphs (Monitoring Dashboard). The left sidebar contains the Change Center (View changes and restarts, 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), and System Status (Health of Running Servers, Failed (0), Critical (0), Overloaded (0), Warning (0), OK (2)).

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

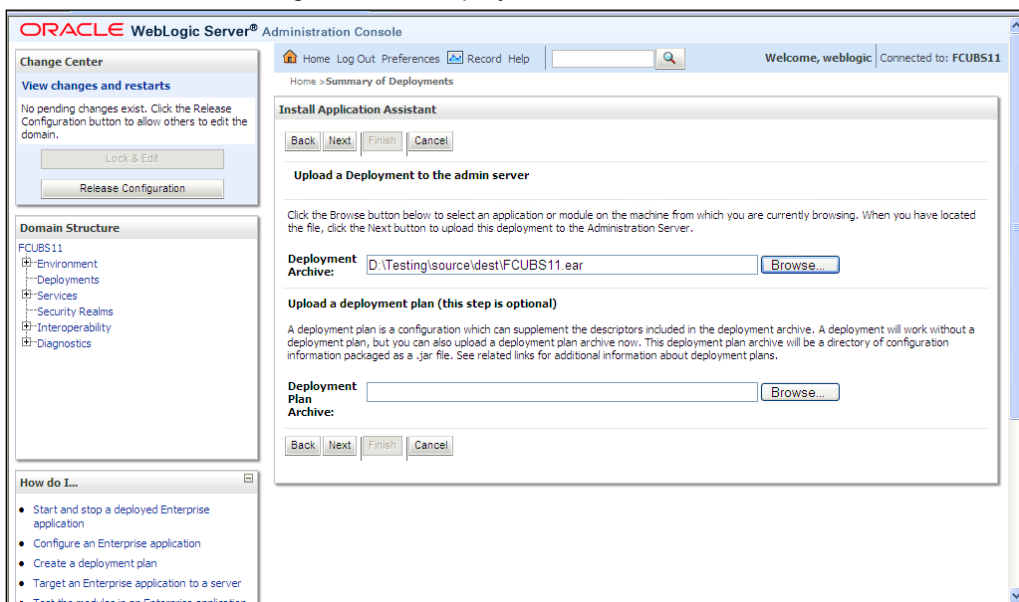
Click 'Lock & Edit' button to enable the buttons. This action enables the buttons.

The screenshot displays the Oracle WebLogic Server Administration Console 12c Summary of Deployments page. The page shows a table of deployed applications and modules. The table columns are Name, State, Health, Type, Targets, Scope, Domain Partitions, and Deployment Order. The table lists various applications and modules, including 'self.oracle.businesseditor(1.0,12.2.1.0.0)', 'self.oracle.domain(1.0,12.2.1.0.0)', 'self.oracle.domain.webapp(1.0,12.2.1.0.0)', 'coherence-transaction-war', 'JMS Application (12.2.1.0.0)', 'jms', 'jmsagentdimpl.jar(12.4.12.1.0.4.0)', 'jmsagentdimpl.jar(12.4.12.1.0.4.0)', 'jmsagentdimpl.jar(12.4.12.1.0.4.0)', 'jms', 'jmscore', 'jmsconnect.jar', 'jmscommon.jar', 'jmsconsole.jar', 'jmscore.jar(11.2.0.1.0,12.1.0.0.0)', 'jmscore.jar', 'jmscore.jar(11.2.0.1.0,12.1.0.0.0)', 'jmscore.jar(11.2.0.1.0,12.1.0.0.0)', 'jmscore.jar', 'jmscore.jar(12.4.12.1.0.4.0)', and 'jmscore.jar(12.4.12.1.0.4.0)'. The table also shows the State, Health, Type, Targets, Scope, Domain Partitions, and Deployment Order for each application and module.

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

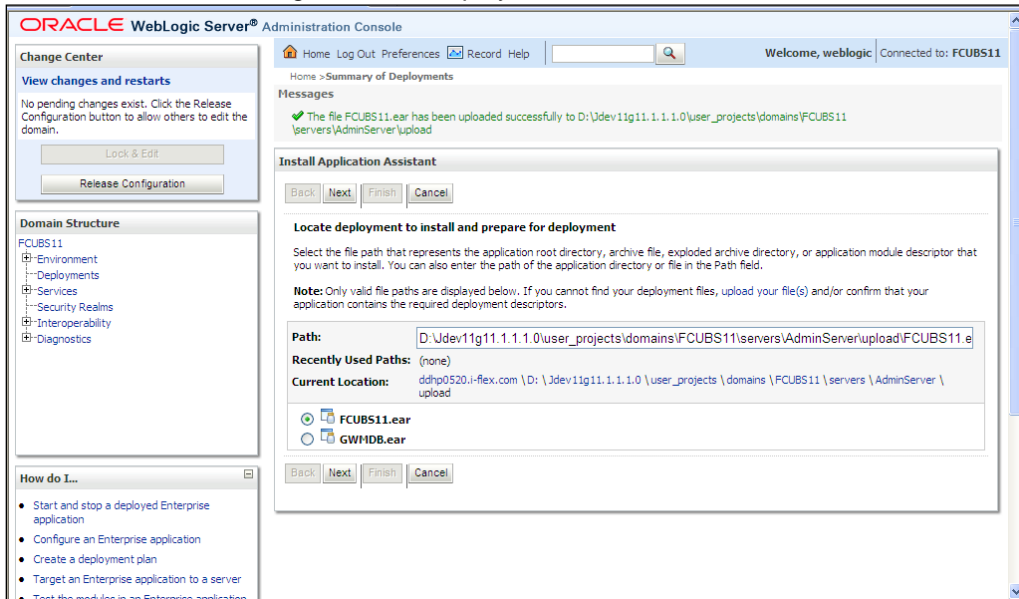


5. In order to specify the path/location of the enterprise archive file, click the link 'upload your file(s)'.
6. Click 'Next'. The following screen is displayed:



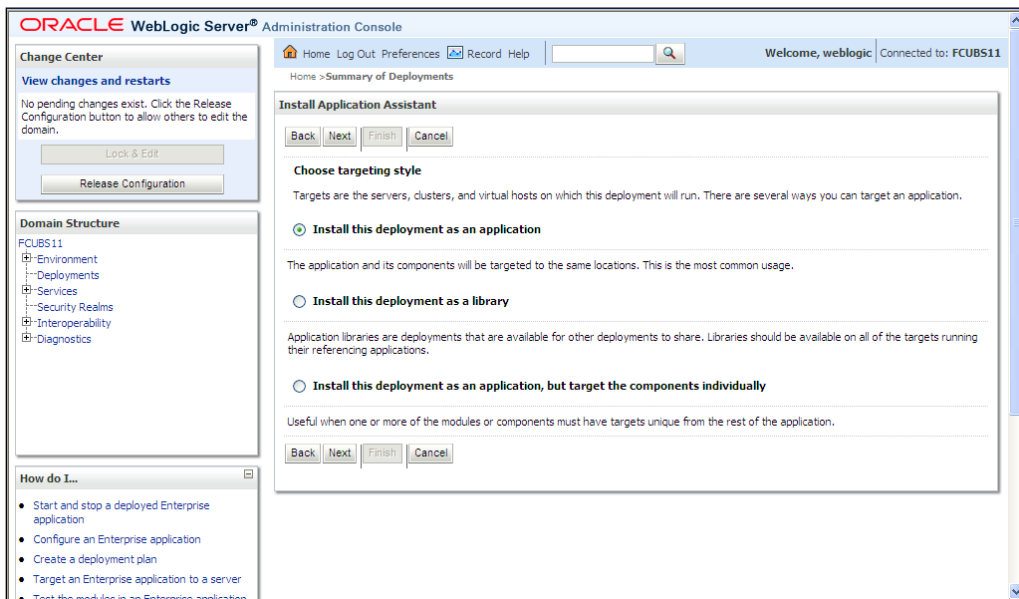
7. Specify the EAR file path. You can use the 'Browse' button to locate the file.

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



9. Select the application FCUBS EAR from the list.

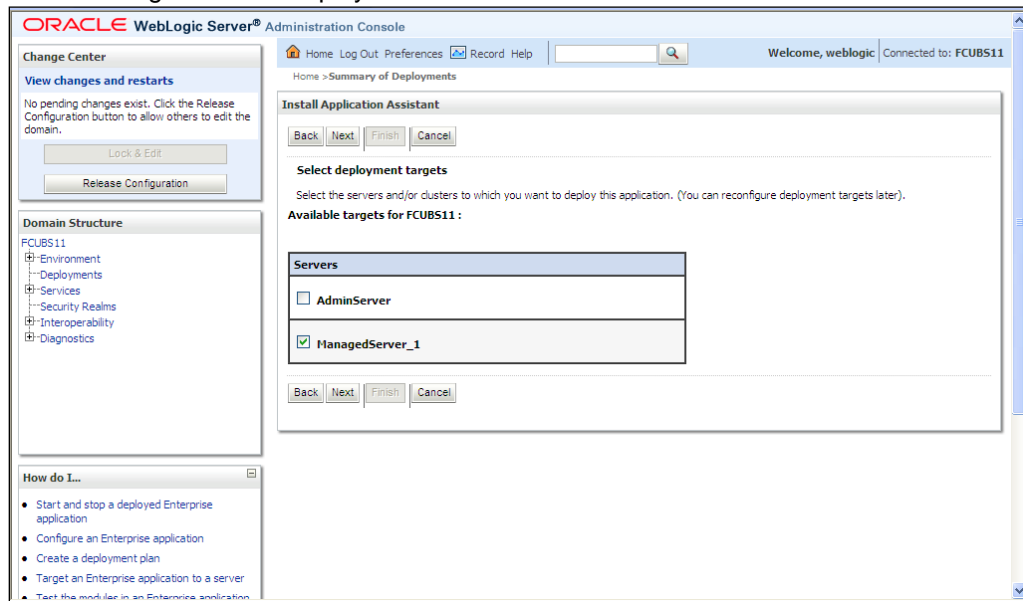
10. Click 'Next'. Following screen is displayed:



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

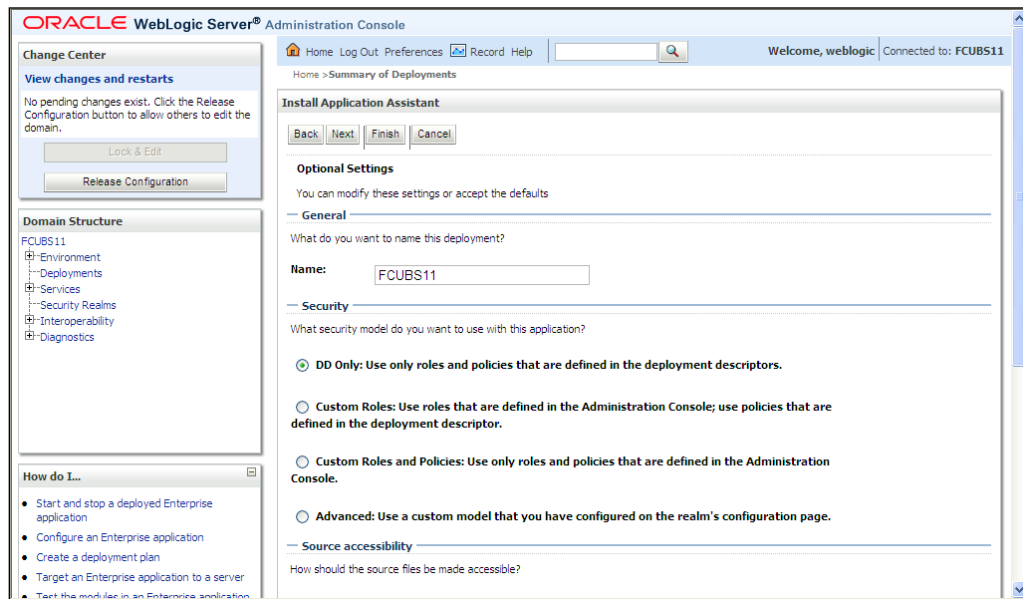
12. Click 'Next'.

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.

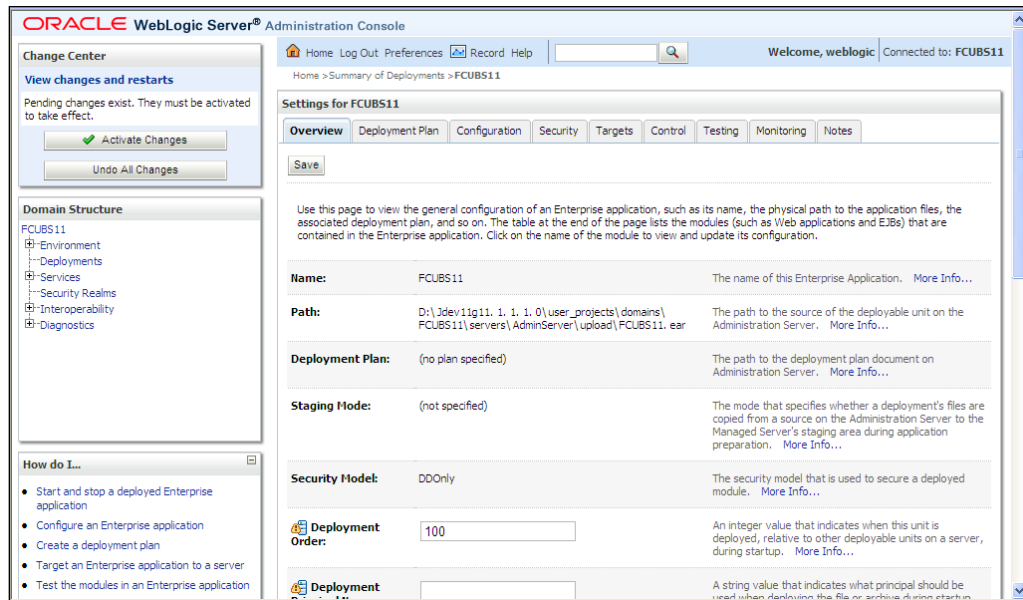
16. Check whether the deployment location is accessible or not.

The following screen is displayed.

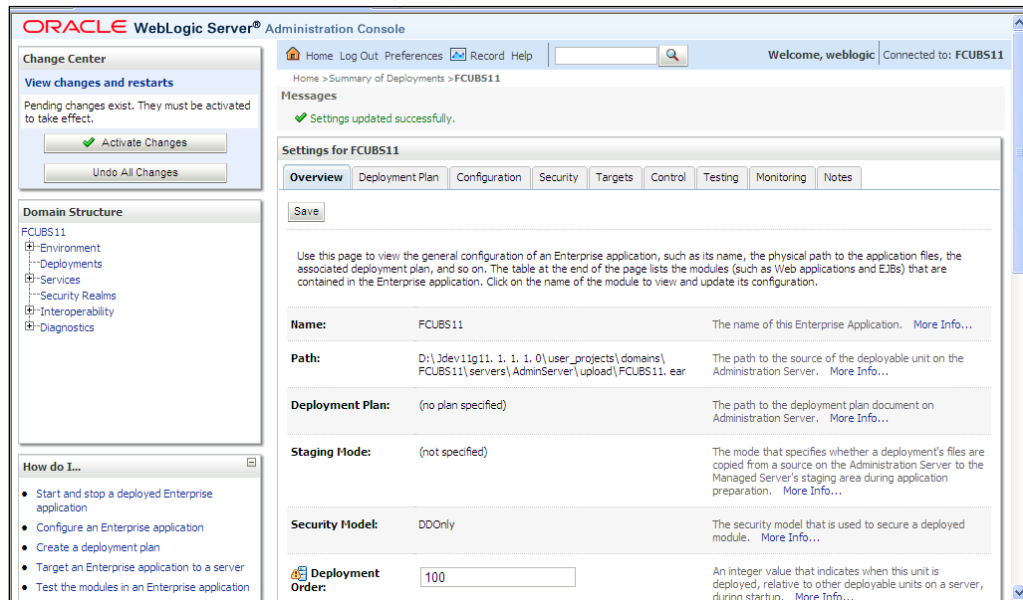
The screenshot shows the 'Install Application Assistant' screen. On the left, there is a navigation pane with 'Domain Structure' showing 'FCUBS11' and its sub-components: 'Environment', 'Deployments', 'Services', 'Security Realms', 'Interoperability', and 'Diagnostics'. Below it, a 'How do I...' section lists tasks like 'Start and stop a deployed Enterprise application'. The 'System Status' section shows 'Health of Running Servers'. The main area is titled 'Install Application Assistant' and contains a 'Review your choices and click Finish' section. It asks 'Click Finish to complete the deployment. This may take a few moments to complete.' Below this, there is an 'Additional configuration' section with a question: 'In order to work successfully, this application may require additional configuration. Do you want to review this application's configuration after completing this assistant?'. The options are 'Yes, take me to the deployment's configuration screen.' (selected) and 'No, I will review the configuration later.' Below this, there 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' in the 'Components' column and 'ManagedServer_1' in the 'Targets' column. At the bottom, there are 'Back', 'Next', 'Finish', and 'Cancel' buttons.

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

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

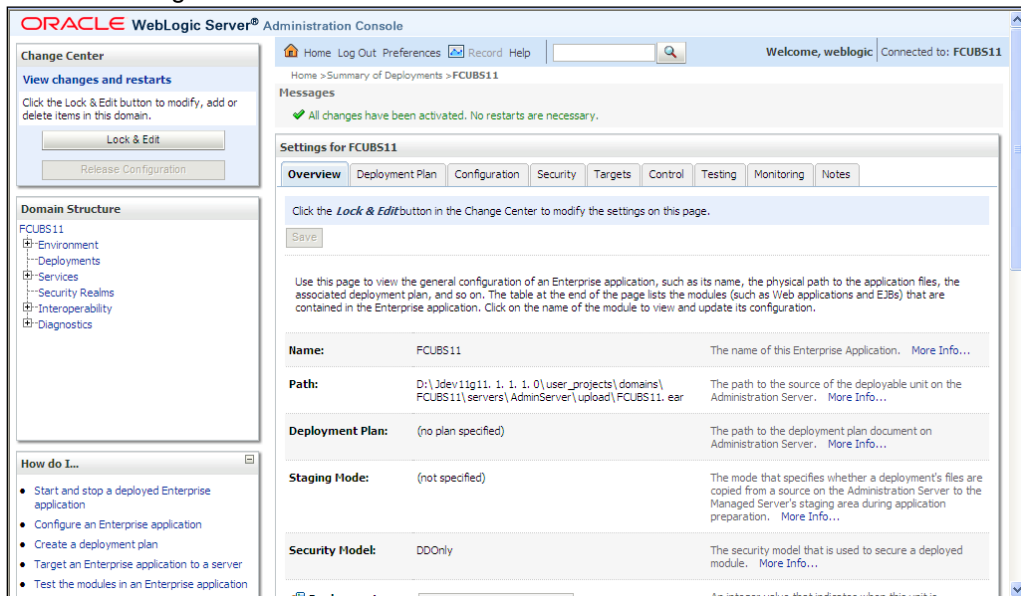


18. Click 'Save' button. The message 'Settings updated successfully' is displayed.

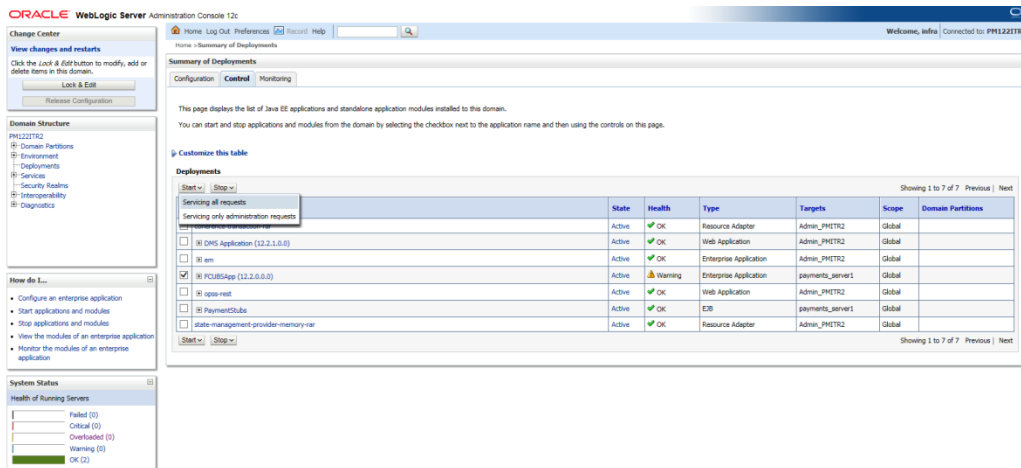


19. Click 'Activate Changes' button on the left pane. The message 'All the changes have been activated. No restarts are necessary' is displayed.

The screen is given below:

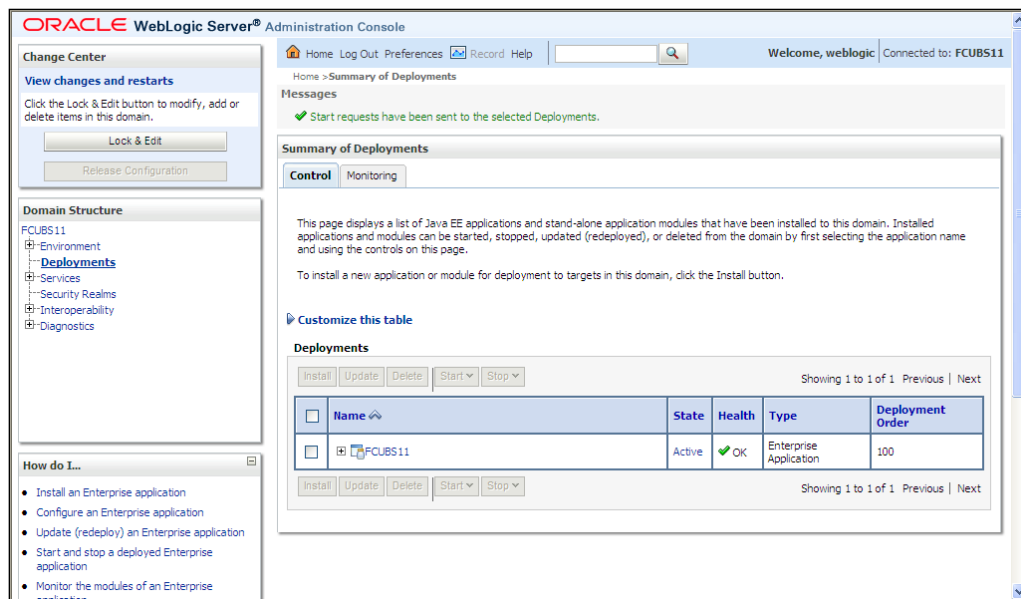
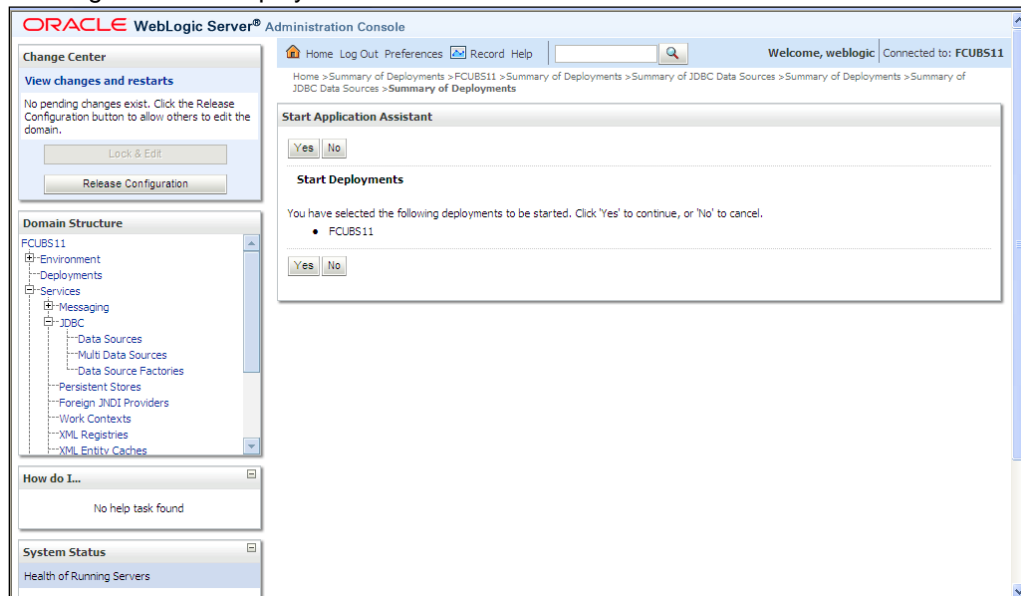


Click 'Deployment' on the left pane. Switch to Control tab .The following screen is displayed.



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 FLEXCUBE Gateway/Scheduler Application from Oracle WebLogic administration console, follow the steps given below.

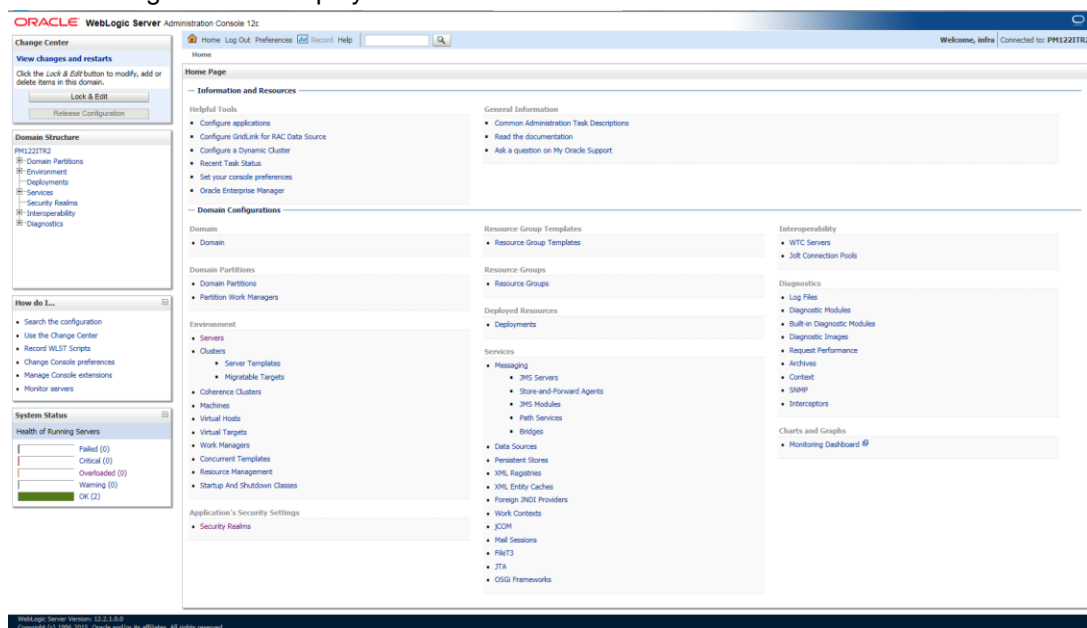
1. Launch Administrative Console of WebLogic application server. You can launch this by entering Oracle WebLogic Admin Console URL in the address bar in an internet browser.
Eg: `http://10.10.10.10:1001/console`

22. The following screen is displayed:



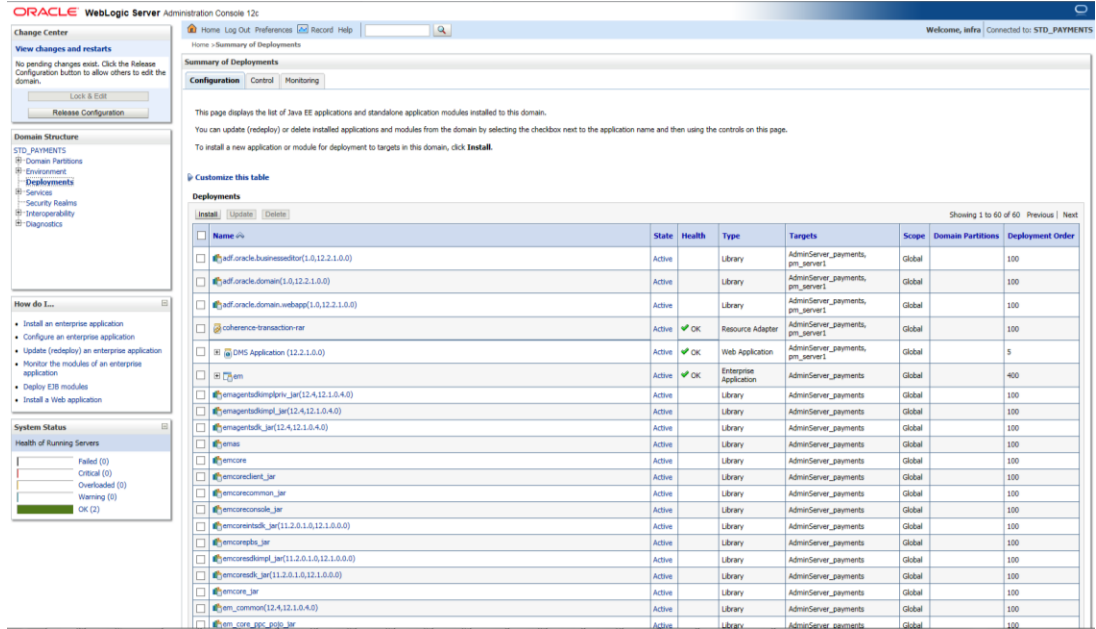
23. Specify the WebLogic administrator user name and password. Click 'Log In'.

The following screen is displayed:

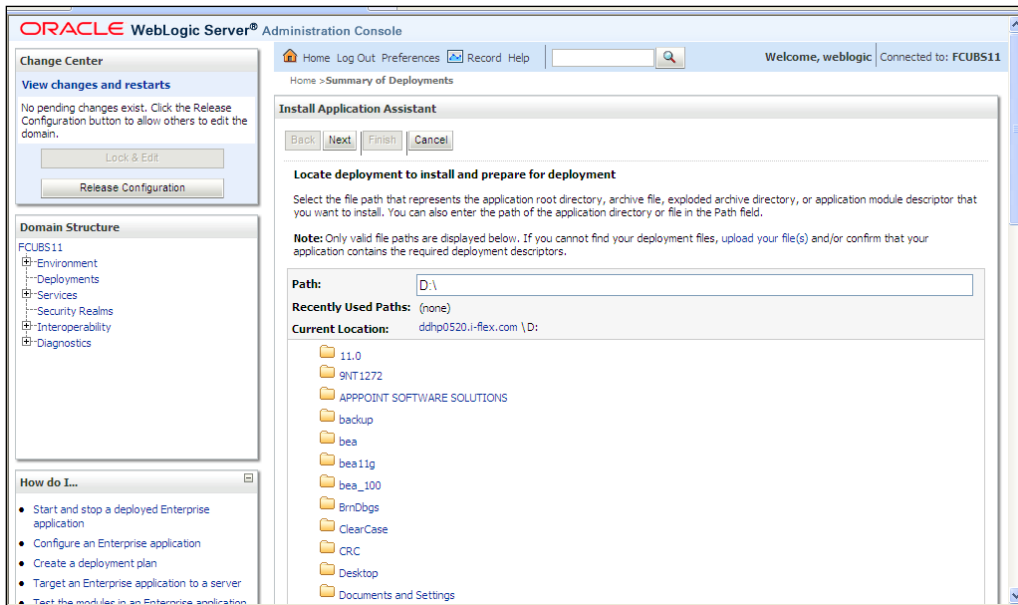


24. You need to deploy an EAR. For e.g. 'GWEJB.ear'. Go to 'Deployment'.

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

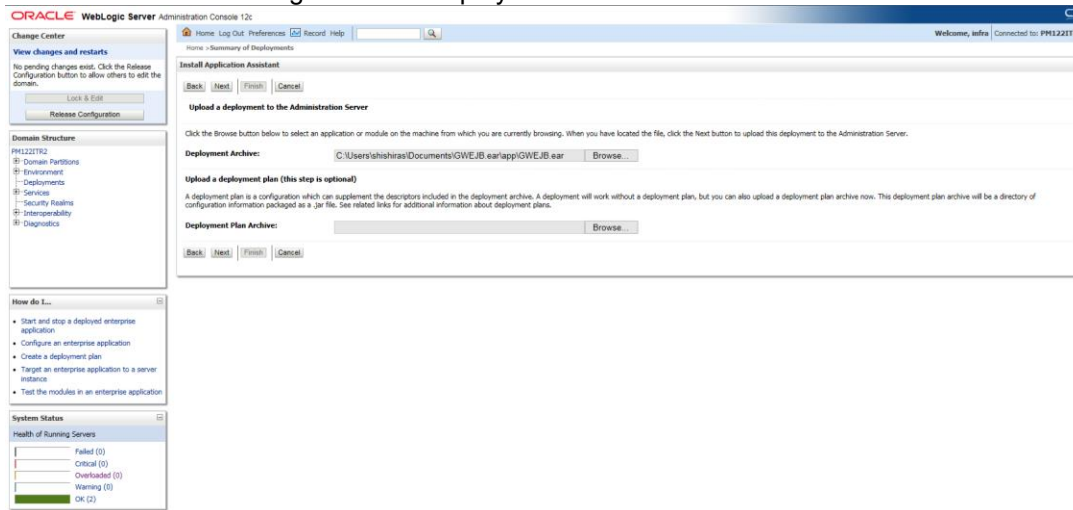


25. Click 'Install' button. The following screen is displayed:



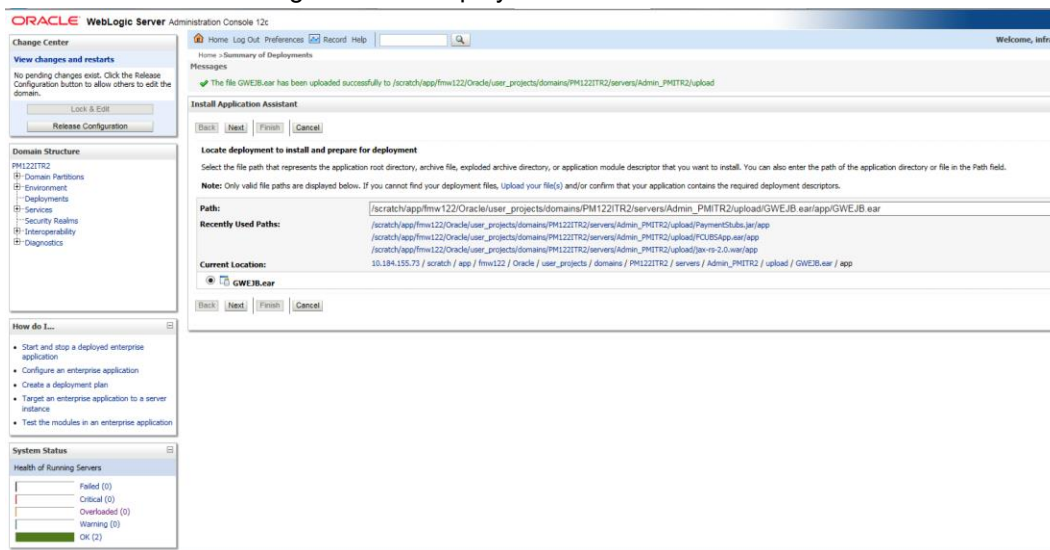
26. In order to specify the path/location of the enterprise archive file, click the link 'upload your file(s)'.

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 sections:

- Choose installation type and scope**: A text box stating '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.'
- Install this deployment as an application**: A radio button that is selected. Below it, a text box states 'Application libraries are deployments that are available for other deployments to share. Libraries should be available on all of the targets running their referencing applications.'
- Install this deployment as a library**: An unselected radio button.
- Install this deployment as an application, but target the components individually**: An unselected radio button. Below it, a text box states 'Useful when one or more of the modules or components must have targets unique from the rest of the application. Select a scope in which you want to install the deployment.'
- Scope**: A dropdown menu set to 'Global'.
- 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 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 sections:

- Select deployment targets**: A text box stating 'Select the servers and/or clusters to which you want to deploy this application. (You can reconfigure deployment targets later).'
- Available targets for GWEJB :**: A table with two columns: 'Servers' and 'Status'. The table has two rows: 'Admin_PM12TR2' with a status of 'Not Selected' and 'payments_server1' with a status of 'Selected'.
- 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

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

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

Server	Status
Failed (0)	Failed (0)
Critical (0)	Critical (0)
Overloaded (0)	Overloaded (0)
Warning (0)	Warning (0)
OK (2)	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_PMTIR2/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: DOOnly: Use only roles and policies that are defined in the deployment descriptors.
Scope: Global
Target Summary

Components	Targets
GWEJB.ear	payments_server1

[Back] [Next] [Finish] [Cancel]

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

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_PMTIR2/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: DOOnly 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)
[-] Edit
[-] PCMainProcEJB
[-] PCSinRouterEJB
[-] GWEJB

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

The screenshot shows the Oracle WebLogic Server Administration Console. On the left, the 'Change Center' pane displays 'View changes and restarts' with a message 'Settings updated successfully.' and buttons for 'Activate Changes' and 'Undo All Changes'. The main area shows the 'Settings for GWEJB (12.2.0.0.0)' page. The 'Overview' tab is selected, showing configuration details for GWEJB, including Name, Scope, Archive Version, Path, Deployment Plan, Staging Mode, Plan Staging Mode, Security Model, Deployment Order, and Deployment Principal. A 'Modules and Components' section is visible at the bottom.

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:

The screenshot shows the Oracle WebLogic Server Administration Console. On the left, the 'Change Center' pane displays 'View changes and restarts' with a message 'All changes have been activated. No restarts are necessary.' and buttons for 'Lock & Edit' and 'Release Configuration'. The main area shows the 'Settings for GWEJB (12.2.0.0.0)' page. The 'Overview' tab is selected, showing configuration details for GWEJB, including Name, Scope, Archive Version, Path, Deployment Plan, Staging Mode, Plan Staging Mode, Security Model, Deployment Order, and Deployment Principal. A 'Modules and Components' section is visible at the bottom.

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

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.

The screenshot shows the Oracle WebLogic Server Administration Console. The main content area is titled 'Summary of Deployments' and displays a table of deployed applications and modules. The table has columns for Name, State, Health, Type, Targets, Scope, and Domain Partitions. The left sidebar shows the Domain Structure and System Status. The top navigation bar includes Home, Log Out, Preferences, Record, and Help.

Name	State	Health	Type	Targets	Scope	Domain Partitions
coherence-transaction-iar	Active	OK	Resource Adapter	Admin_PMTSR2	Global	
OMS Application (12.2.1.0.0)	Active	OK	Web Application	Admin_PMTSR2	Global	
em	Active	OK	Enterprise Application	Admin_PMTSR2	Global	
FCMSSApp (12.2.0.0.0)	Active	Warning	Enterprise Application	payments_server1	Global	
GWSS (12.2.0.0.0)	Active	OK	Enterprise Application	payments_server1	Global	
opss-rest	Active	OK	Web Application	Admin_PMTSR2	Global	
PaymentStub	Active	OK	EDB	payments_server1	Global	
state-management-provider-memory-iar	Active	OK	Resource Adapter	Admin_PMTSR2	Global	

This completes the deployment process.

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



Deploying Oracle FLEXCUBE on WebLogic
[May] [2023]

Version 14.7.1.0.0

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