

# Oracle® Banking Corporate Lending

## Deploy Oracle Banking Corporate Lending Application on WebLogic



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# Preface

This topic contains the following sub-topics:

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Related Resources](#)
- [Conventions](#)
- [Screenshot Disclaimer](#)
- [Acronyms and Abbreviations](#)

## Purpose

This manual is designed to help acquaint you to deploy Oracle Banking Corporate Lending application into Oracle WebLogic application server.

## Audience

This manual is intended for the following User/User Roles:

**Table 1 Audience**

Role	Function
<b>Administrator</b>	Who controls the system and application parameters and ensures smooth functionality and flexibility of the banking application.
<b>Implementation team</b>	Implementation of Oracle Banking Corporate Lending Solution
<b>Pre-sales team</b>	Install Oracle Banking Corporate Lending for demo purpose
<b>Bank personnel</b>	Who installs Oracle Banking Corporate Lending

The user of this manual is expected to have basic understanding of Oracle Banking Application installation.

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <https://www.oracle.com/corporate/accessibility/>.

## Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

## Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

## Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## Related Resources

For more information on any related features, refer to the following documents:

- Oracle Banking Corporate Lending User Guides.
- Oracle Banking Corporate Lending Installation Guides.

## Conventions

The following text conventions are used in this document:

**Table 2 Conventions**

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

## Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

## Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

**Table 3 Acronyms and Abbreviations**

Abbreviation	Description
EAR	Enterprise Archive
EJB	Enterprise Java Bean
FCUBS	Oracle FLEXCUBE Universal Banking Solutions
GW	Gateway
GWWS	Gateway Web Services
MDB	Message Driven Beans
OBCL	Oracle Banking Corporate Lending

# 1

## Deploy Oracle Banking Corporate Lending on WebLogic

This topic explains the steps to deploy Oracle Banking Corporate Lending 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.

This topic contains the following sub-topics:

- [Build Application](#)  
This topic describes building of Oracle Banking Corporate Lending application in centralized and decentralized modes.
- [Deploy Application in Oracle WebLogic](#)  
This topic explains the methods of deploying Oracle Banking Corporate Lending Application into Oracle WebLogic application server.

### 1.1 Build Application

This topic describes building of Oracle Banking Corporate Lending application in centralized and decentralized modes.

This topic contains the following sub topics:

- [Build Application in Centralized Mode](#)  
This topic describes the process of building application in centralized mode.
- [Build Application in Decentralized Mode](#)  
This topic describes the process of building application in decentralized mode.

#### 1.1.1 Build Application in Centralized Mode

This topic describes the process of building application in centralized mode.

The centralized mode includes the following details:

- Create Property File
- Build Centralized EAR File
- Configure Plug-ins
- Load Properties File

#### 1.1.2 Build Application in Decentralized Mode

This topic describes the process of building application in decentralized mode.

The decentralized mode includes the following details:

- Create Property File
- Build Decentralized EAR File

- Configure Plug-ins
- Load Properties File

## 1.2 Deploy Application in Oracle WebLogic

This topic explains the methods of deploying Oracle Banking Corporate Lending Application into Oracle WebLogic application server.

This topic contains the following sub-topics:

- [Deploy Integration Adapter EAR from WebLogic Administration Console](#)  
This topic explains the systematic instructions to deploy integration adapter EAR from WebLogic administration console.
- [Deploy Dependency Library “Jax-RS”](#)  
This topic explains the systematic instructions to deploy the dependency library Jax-RS.
- [Deploy Oracle Banking Corporate Lending Application from WebLogic Administration Console](#)  
This topic explains the systematic instructions to deploy Oracle Banking Corporate Lending application from WebLogic administration console.
- [Deploy Gateway/Scheduler Applications from WebLogic Administration Console](#)  
This topic provides the systematic instructions to deploy Gateway/Scheduler applications from WebLogic administration console.

### 1.2.1 Deploy Integration Adapter EAR from WebLogic Administration Console

This topic explains the systematic instructions to deploy integration adapter EAR from WebLogic administration console.

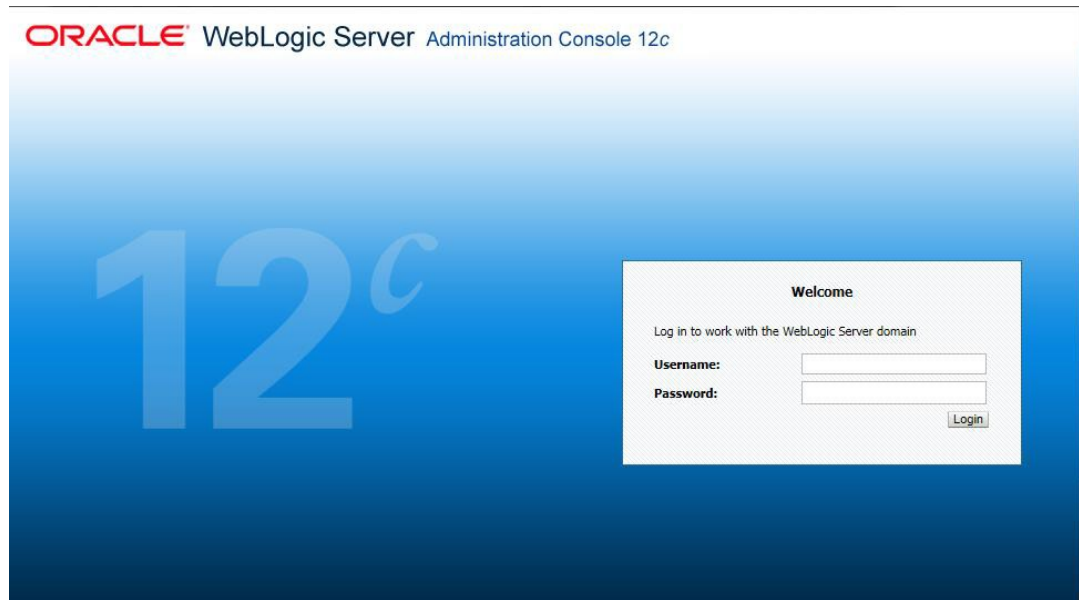
To deploy the Oracle Banking Corporate Lending application from the Oracle WebLogic administration console, follow the steps below:

1. Start the Administrative Console of the WebLogic application server. Specify the Oracle WebLogic Admin Console URL in the address bar in an internet browser. For example:  
`http://10.10.10.10:1001/console`

The **Oracle Weblogic Server - Welcome** screen displays.

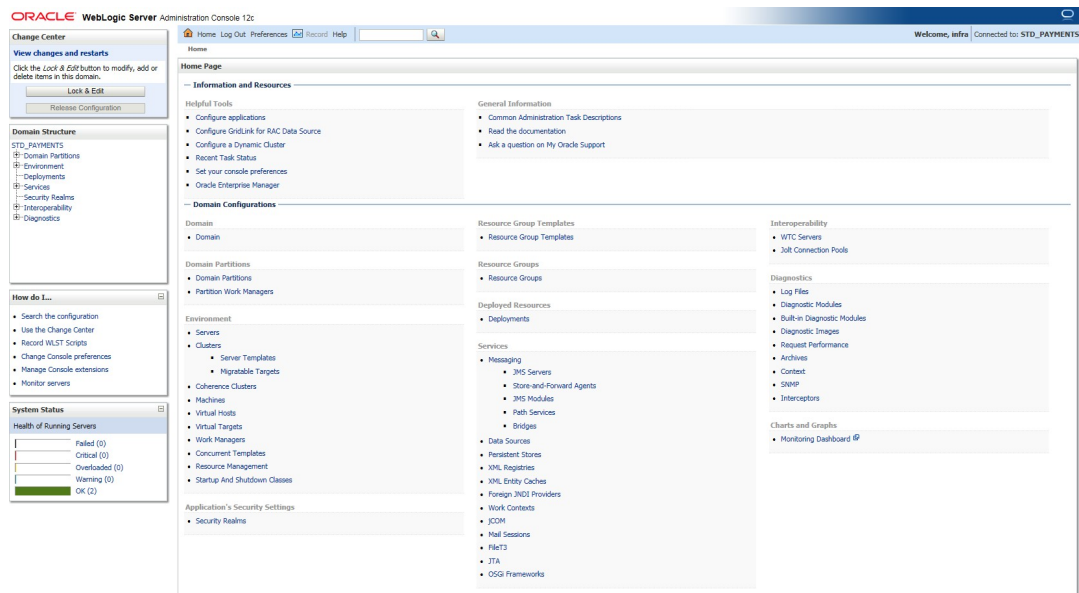


Figure 1-1 Oracle Weblogic Server - Welcome



2. Specify the WebLogic administrator **Username** and **Password** and click **Log In**.  
The **Oracle Weblogic Server - Home** screen displays.

Figure 1-2 Oracle Weblogic Server - Home

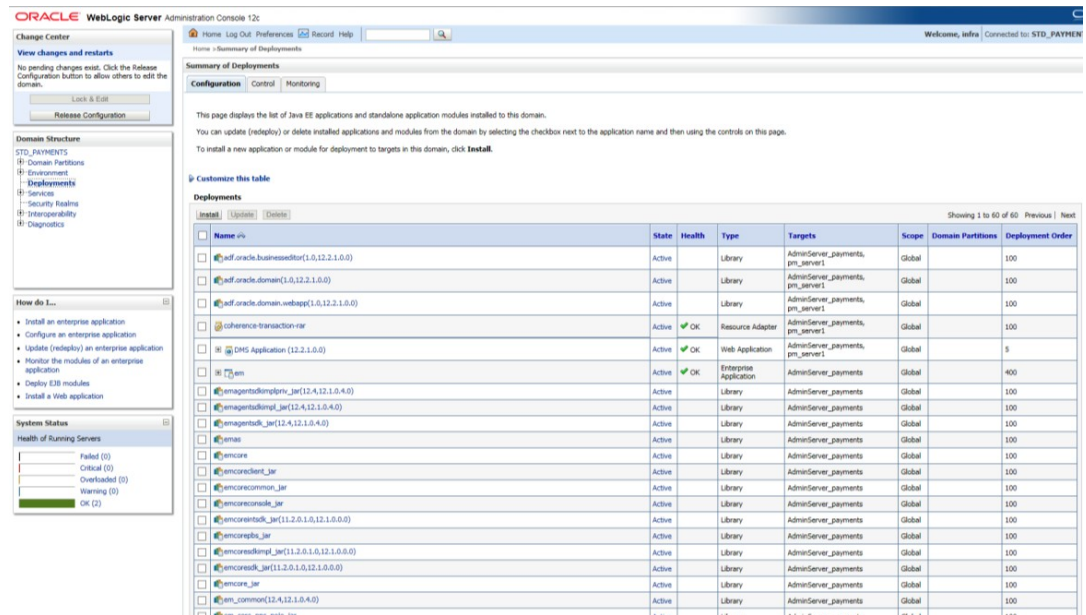


3. Deploy an Integration adapter EAR. For e.g. **OBCLExtAdapter.ear** or **ExtAdapter.ear**.
4. Go to **Deployment**.
5. Click the **Lock & Edit** button to enable the buttons.

This action enables the buttons on the screen.

The **Summary of Deployments** screen displays.

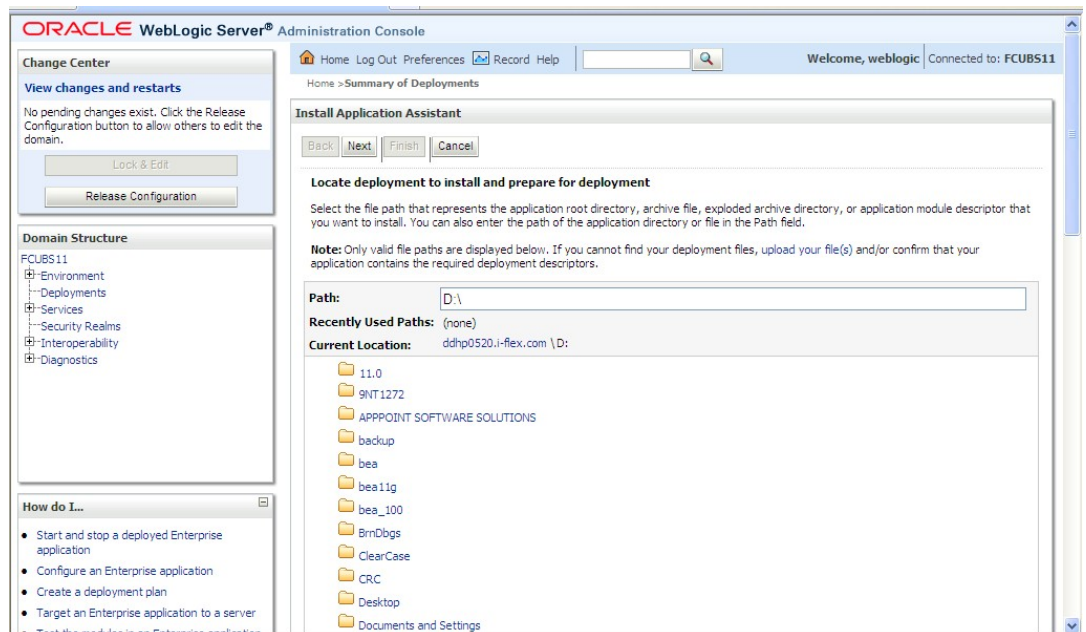
### Figure 1-3 Summary of Deployments



- 6. Click Install.**

The **Install Application Assistant** window displays.

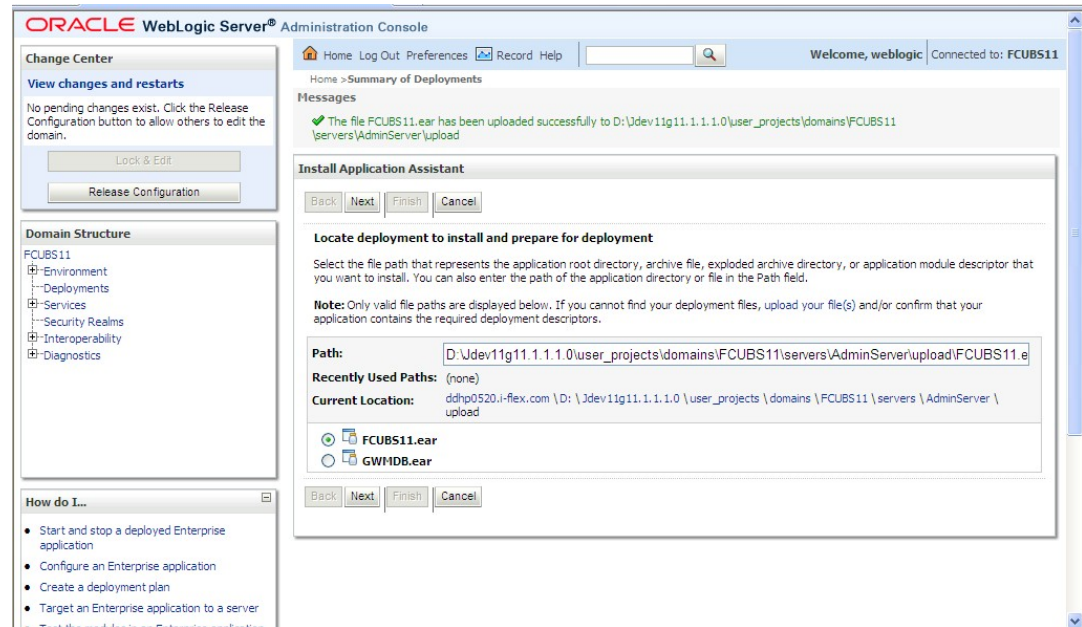
### Figure 1-4 Install Application Assistant



- To specify the path/location of the enterprise archive file, click the **upload your file(s)** link.
- Specify the EAR file path. Click the **Browse** button to locate the file.
- Click **Next**.

The **Install Application Assistant - Messages** window displays.

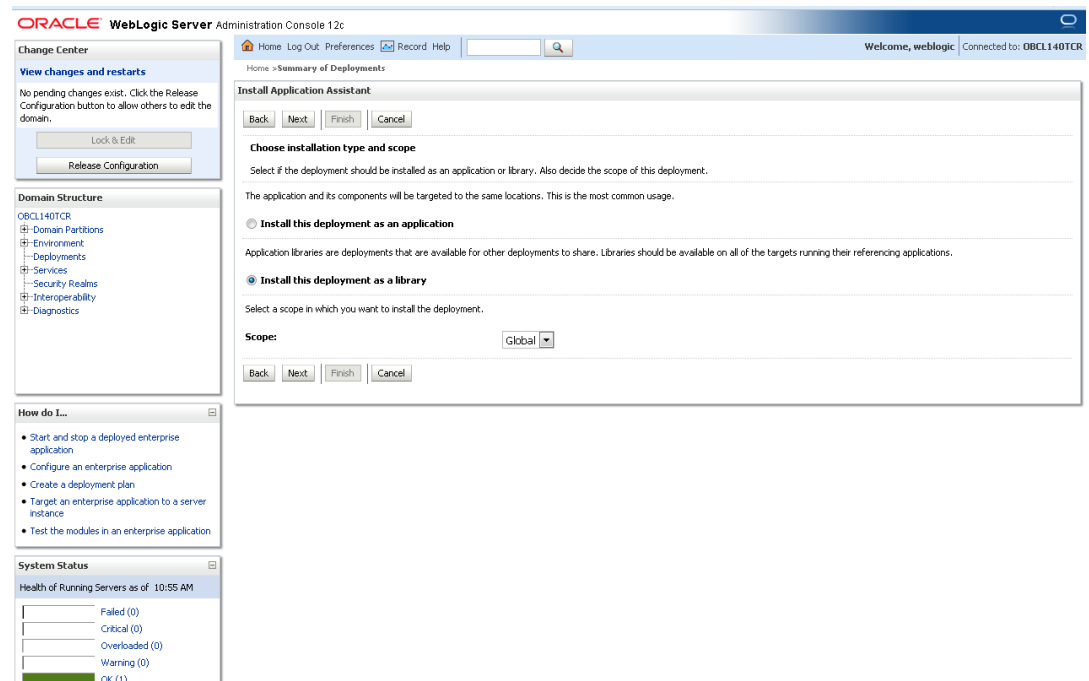
**Figure 1-5 Install Application Assistant - Message**



10. Select the application Adapter EAR from the list.
11. Click **Next**.

The **Install Application Assistant - Choose Installation Type and Scope** window displays.

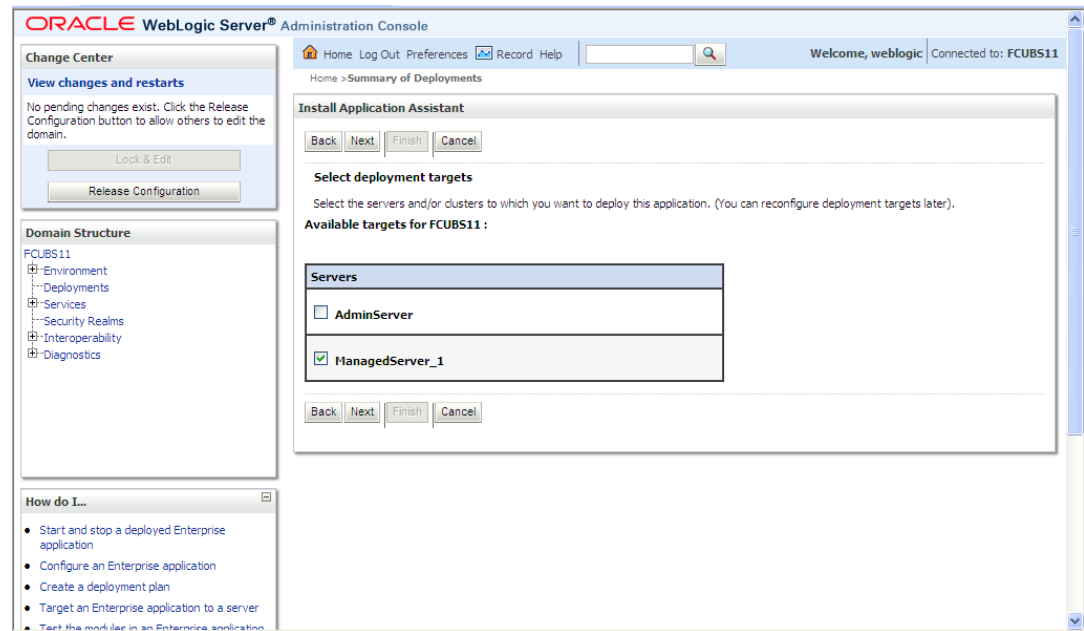
**Figure 1-6 Install Application Assistant - Choose Installation Type and Scope**



12. Choose the targeting style as **Install this deployment as a library**.
13. Click **Next**.

The **Install Application Assistant - Select Deployment Targets** window displays.

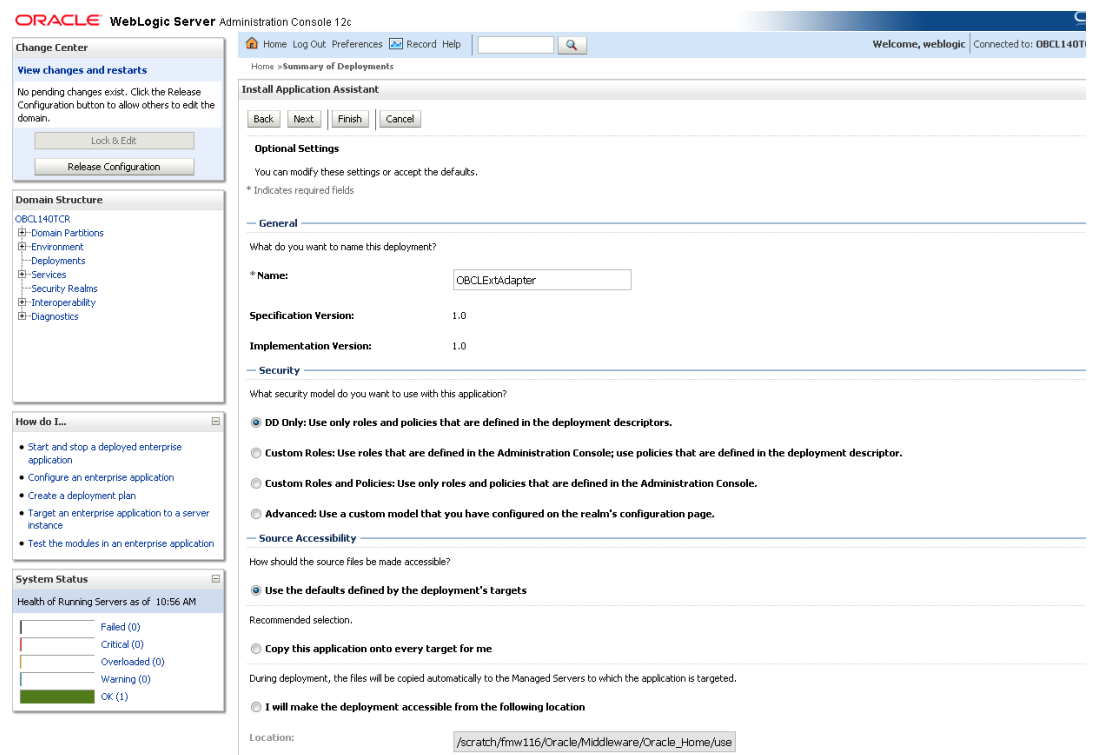
**Figure 1-7 Install Application Assistant - Select Deployment Targets**



14. Select the target of the application. Choose the server **AdminServer** or **Managed Server(s)**.
15. Click **Next**.

The **Install Application Assistant - Optional Settings** window displays.

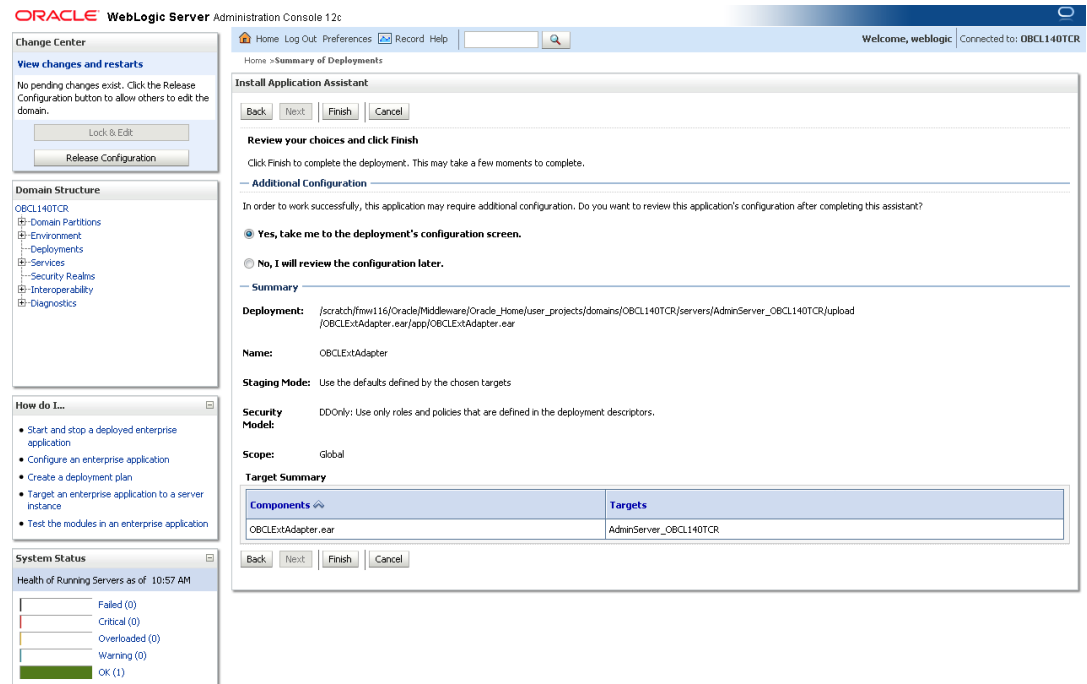
**Figure 1-8 Install Application Assistant - Optional Settings**



16. Check the deployment name.

The **Install Application Assistant - Review your choices** window displays.

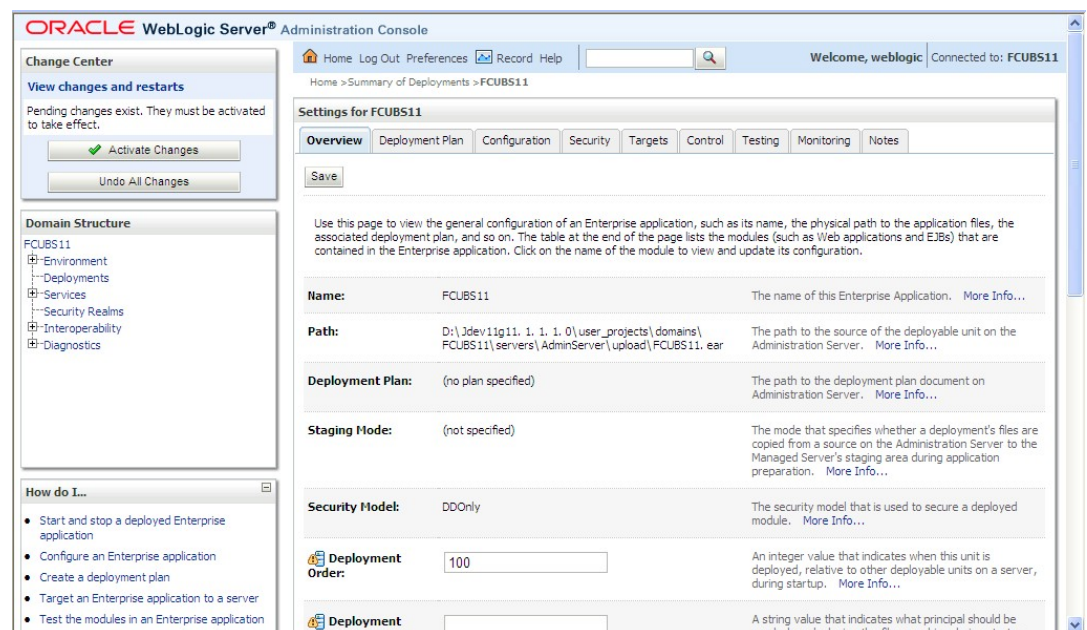
**Figure 1-9 Install Application Assistant - Review your choices**



17. Click **Finish**.

The **Settings for FCUBS11 - Overview** screen displays.

**Figure 1-10 Settings for FCUBS11 - Overview**

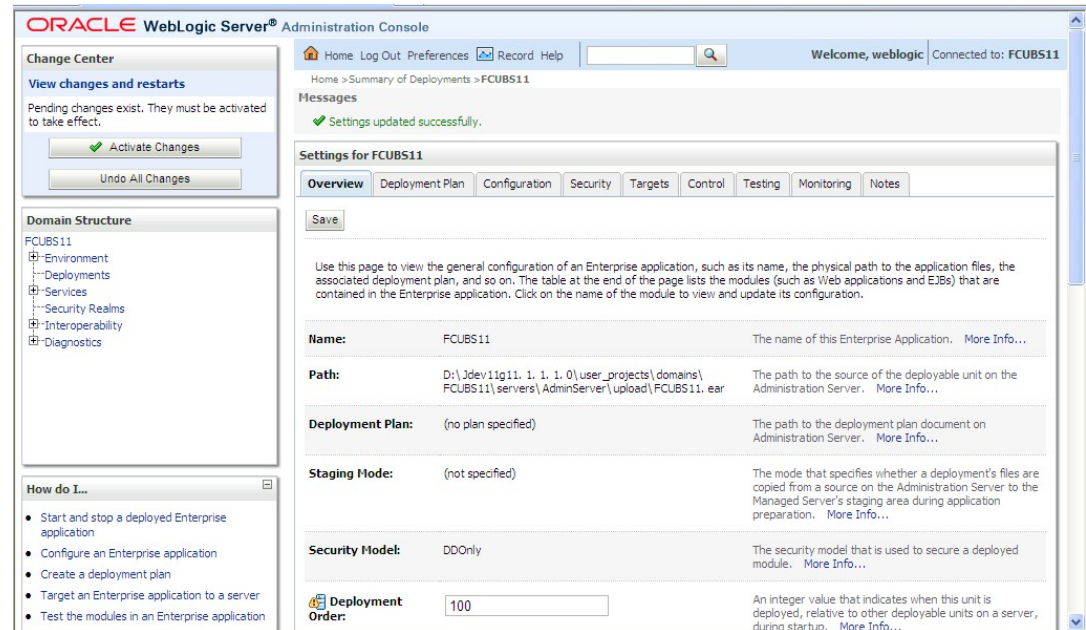




18. Click **Save**.

A message displays on the **Settings for FCUBS11 - Message** window confirming that the setting updated successfully.

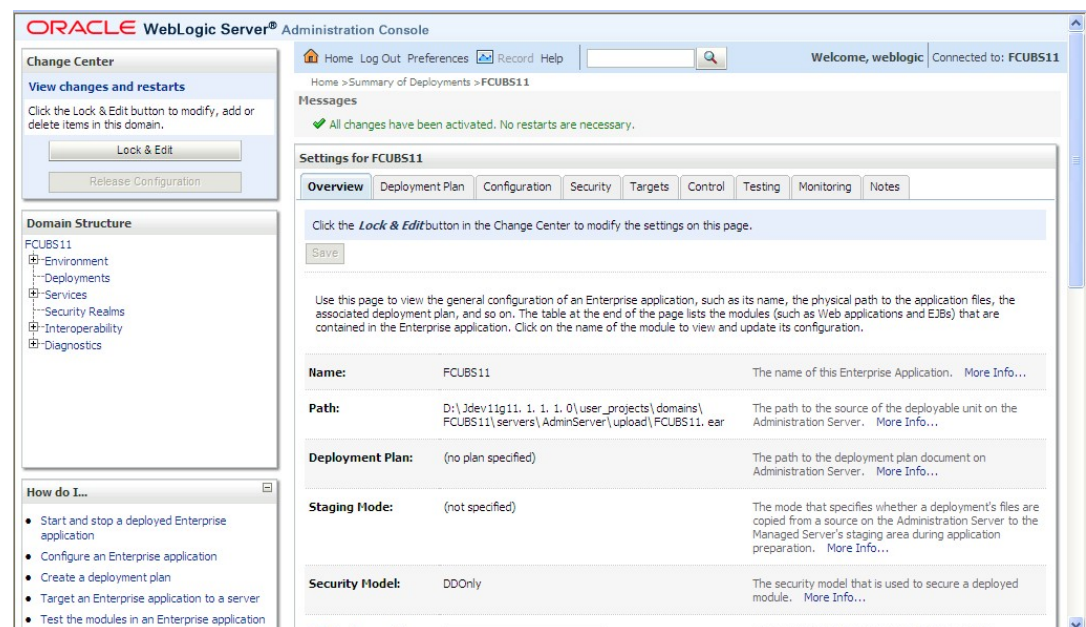
**Figure 1-11 Settings for FCUBS11 - Message**



19. Click the **Activate Changes** on the left pane.

The message displays on the **Settings for FCUBS11** window stating that All the changes have been activated. No restarts are necessary.

**Figure 1-12 Settings for FCUBS11 - Activate Changes Message**



## 1.2.2 Deploy Dependency Library “Jax-RS”

This topic explains the systematic instructions to deploy the dependency library Jax-RS.

The **Jax-RS** library must be installed before deploying **OBCL.ear**. Follow the below steps:

1. Start the Administrative Console of the WebLogic application server. Enter the Oracle WebLogic Administration Console URL in the address bar in an internet browser. For example: `http://10.10.10.10:1001/console`

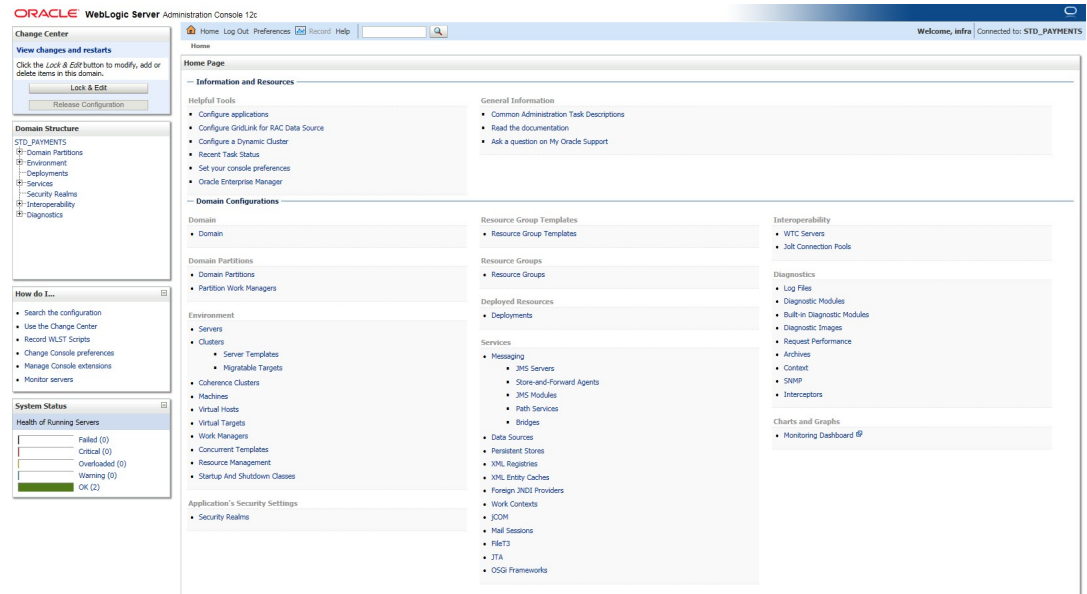
The **Oracle Weblogic Server - Welcome** screen displays.

**Figure 1-13 Oracle Weblogic Server - Welcome**



2. Specify the WebLogic administrator **Username** and **Password** and click **Log In**.  
**Oracle Weblogic Server - Home Page** screen displays.

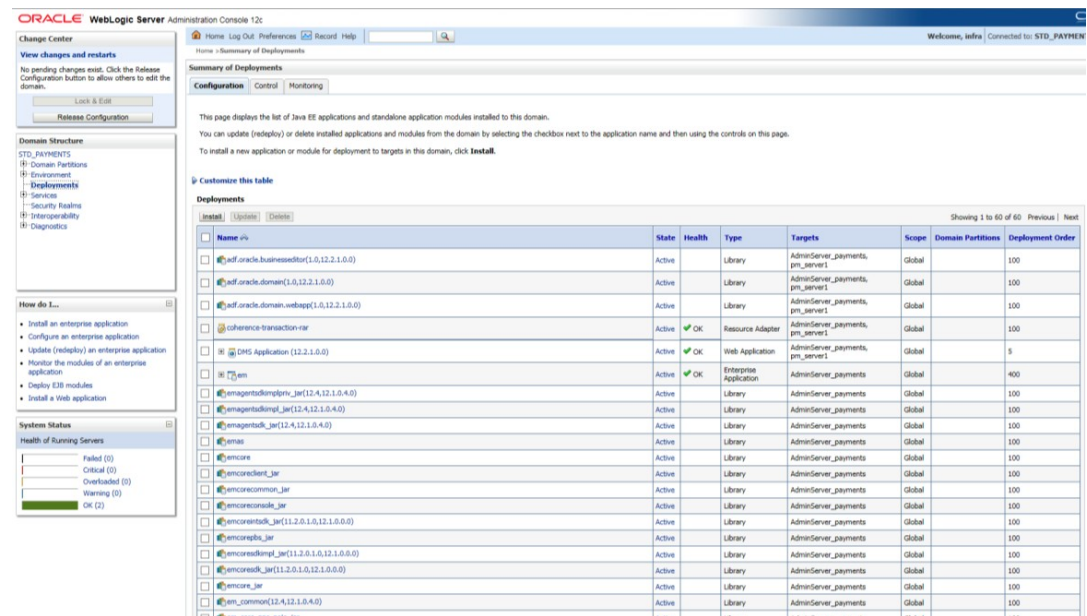
**Figure 1-14 Oracle Weblogic Server - Home Page**



### 3. Go to **Deployments**.

The **Summary of Deployments** screen displays.

### Figure 1-15 Summary of Deployments

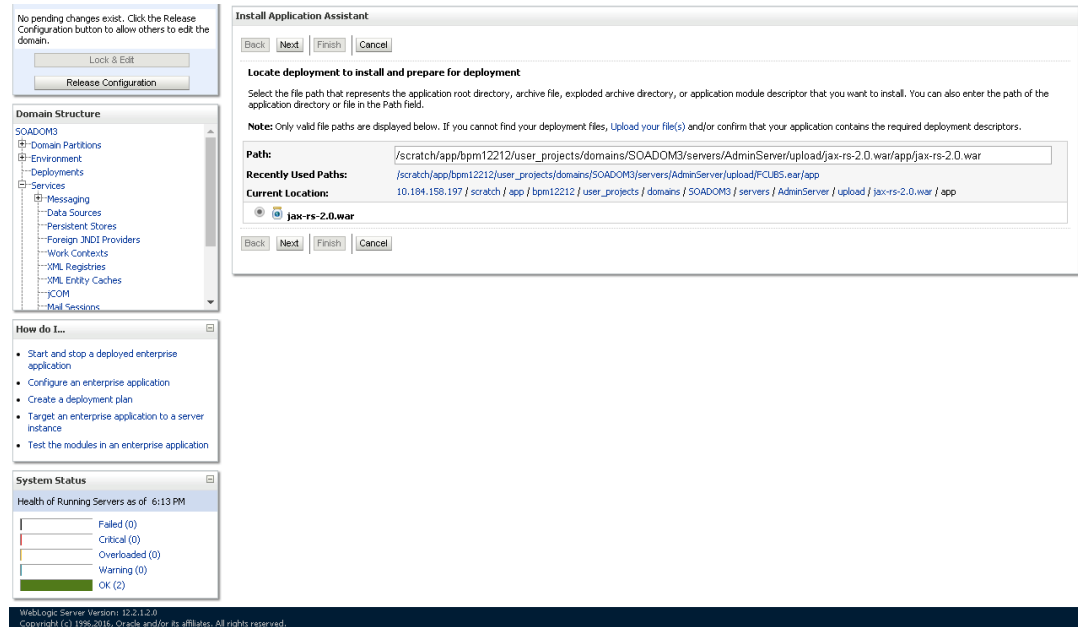


4. Click the **Install** button.

The **Install Application Assistant - Installation Location** window displays.



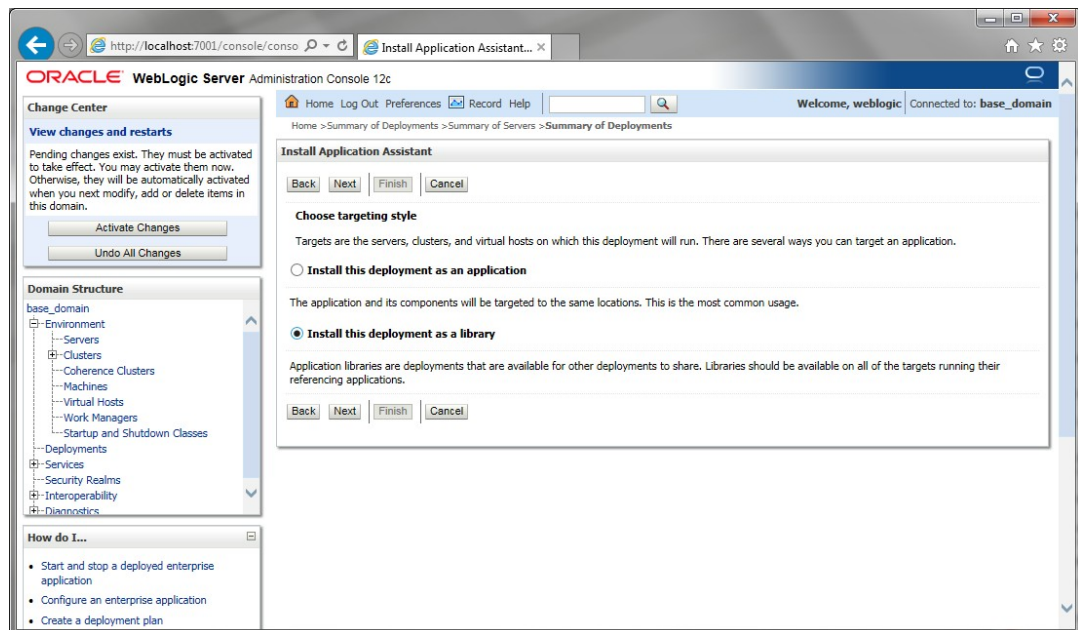
**Figure 1-16 Install Application Assistant - Installation Location**



5. Navigate and select jersey bundle under the path `wlserver\common\deployable-libraries\jax-rs2.0.war` and click **Next**.

The **Install Application Assistant - Choose targeting style** window displays.

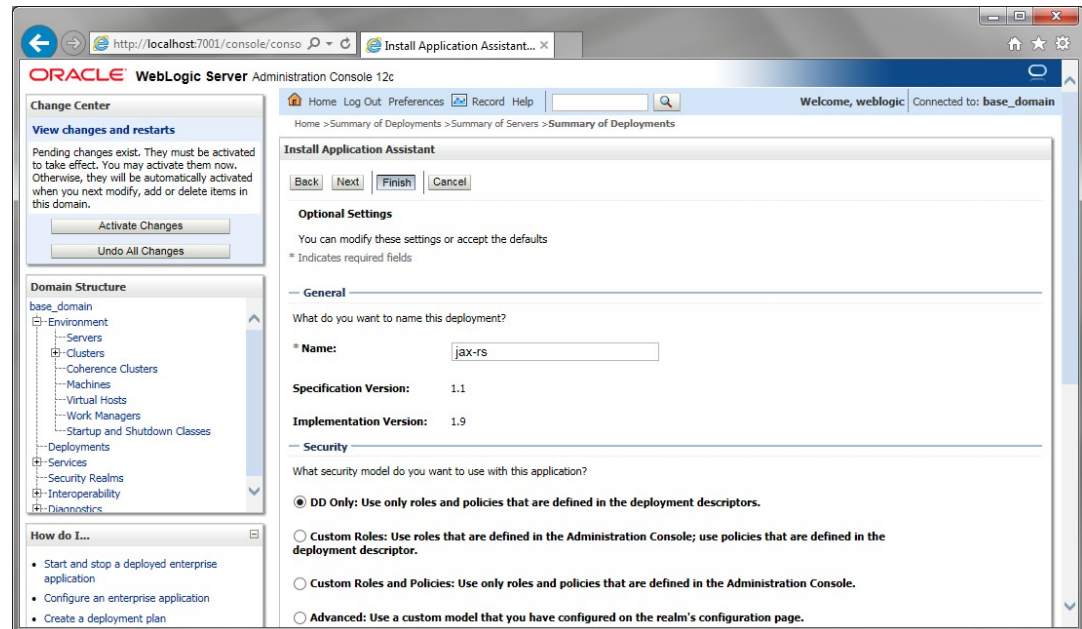
**Figure 1-17 Install Application Assistant - Choose targeting style**



6. Choose the targeting style **Install this deployment as a library**, select target server as the managed server, and click **Next**.

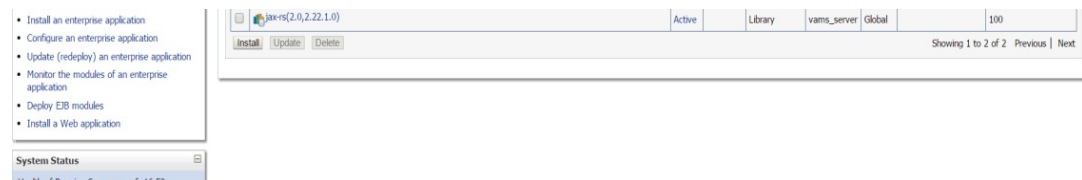
The **Install Application Assistant - Optional Settings** window displays.

**Figure 1-18 Install Application Assistant - Optional Settings**



7. On the **Install Application Assistant - Optional Settings** click on **Finish**.  
This library must appear in the deployment with the Type column as **Library**.  
The **Summary of Deployments - New Library** screen displays.

**Figure 1-19 Summary of Deployments - New Library**



**Note:**

Latest **Jax-rs** version will be **jax-rs(2.0,2.22.1.0)**.

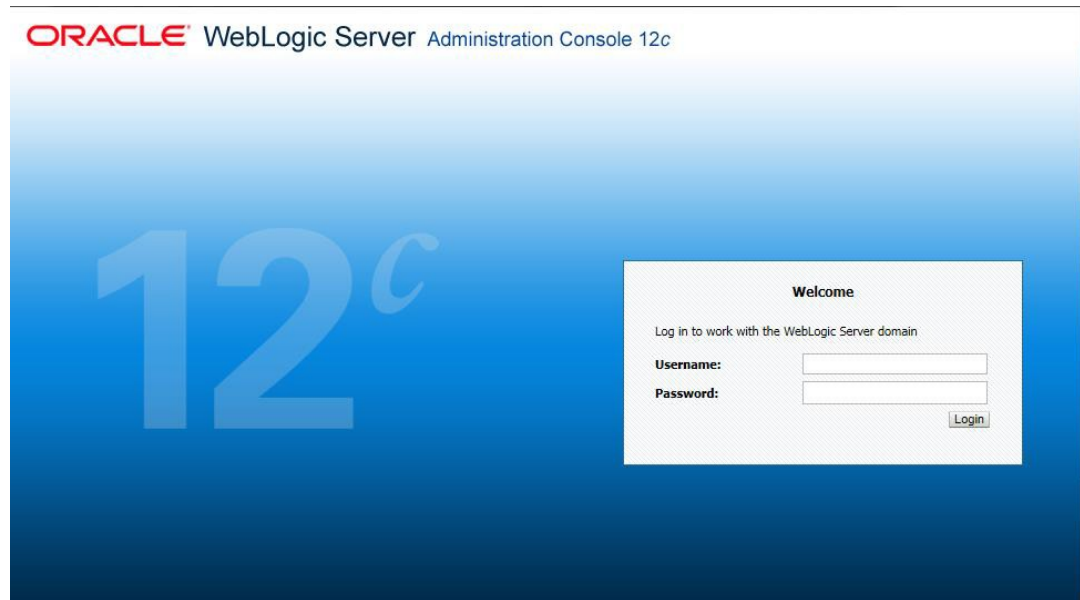
## 1.2.3 Deploy Oracle Banking Corporate Lending Application from WebLogic Administration Console

This topic explains the systematic instructions to deploy Oracle Banking Corporate Lending application from WebLogic administration console.

1. Start the **Administrative Console** of the **WebLogic application** server. Enter the Oracle WebLogic Admin Console URL in the address bar in an internet browser. For example:  
`http://10.10.10.10:1001/console`

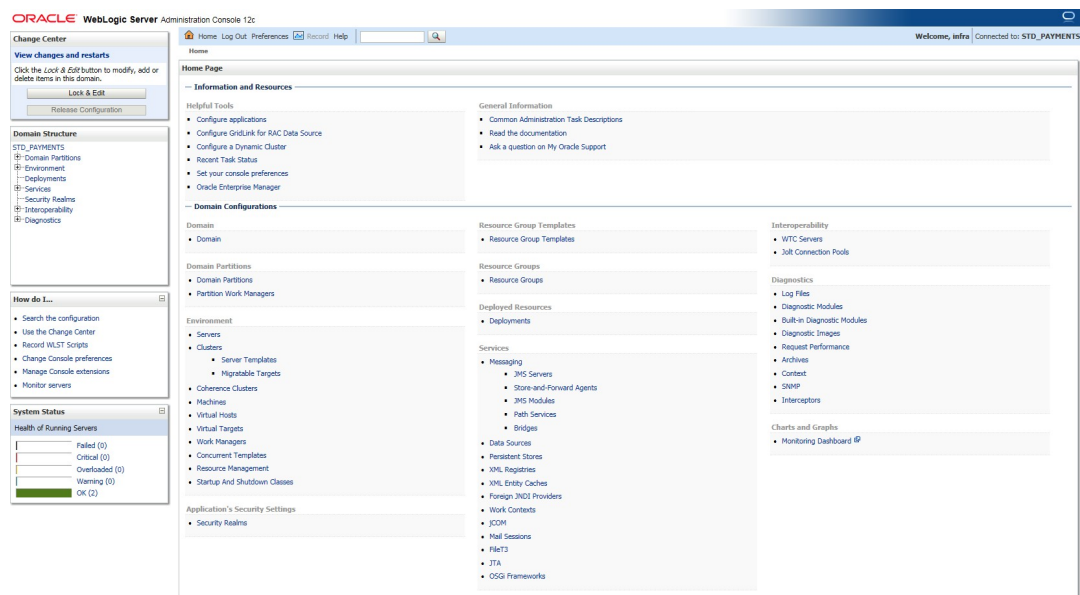
The **Oracle Weblogic Server - Welcome** screen displays.

Figure 1-20 Oracle Weblogic Server - Welcome



2. Specify the WebLogic administrator **Username** and **Password** and click **Log In**.  
The **Oracle Weblogic Server - Home Page** screen displays.

Figure 1-21 Oracle Weblogic Server - Home

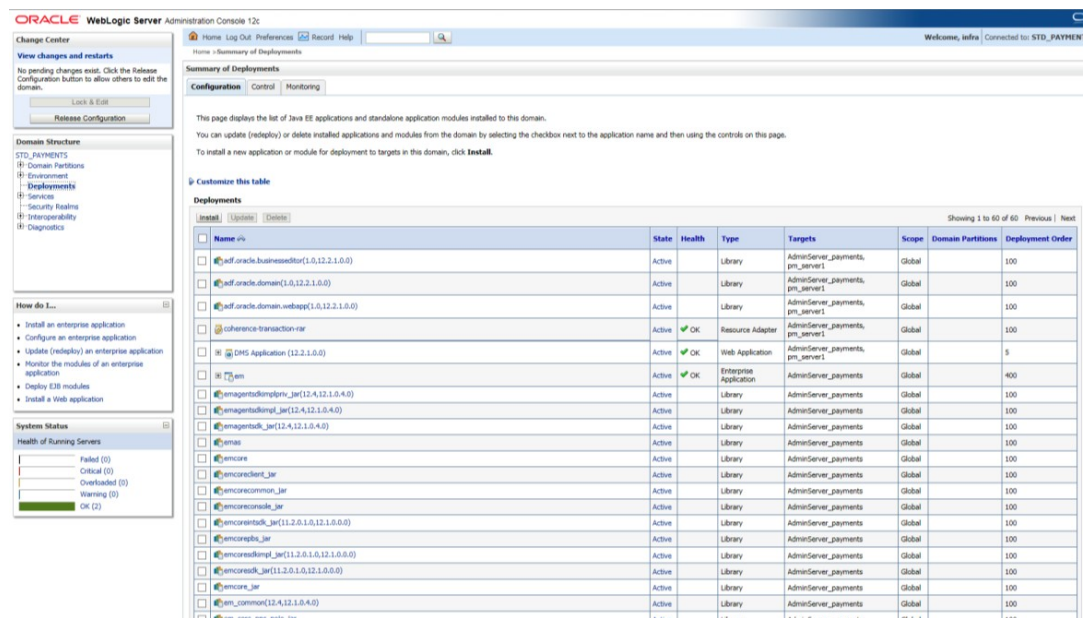


3. Go to **Deployments** to deploy an EAR. For example: **OBCL.ear**
4. Click on **Lock & Edit** to enable the buttons.

This action enables the buttons.

The **Summary of Deployments** screen displays.

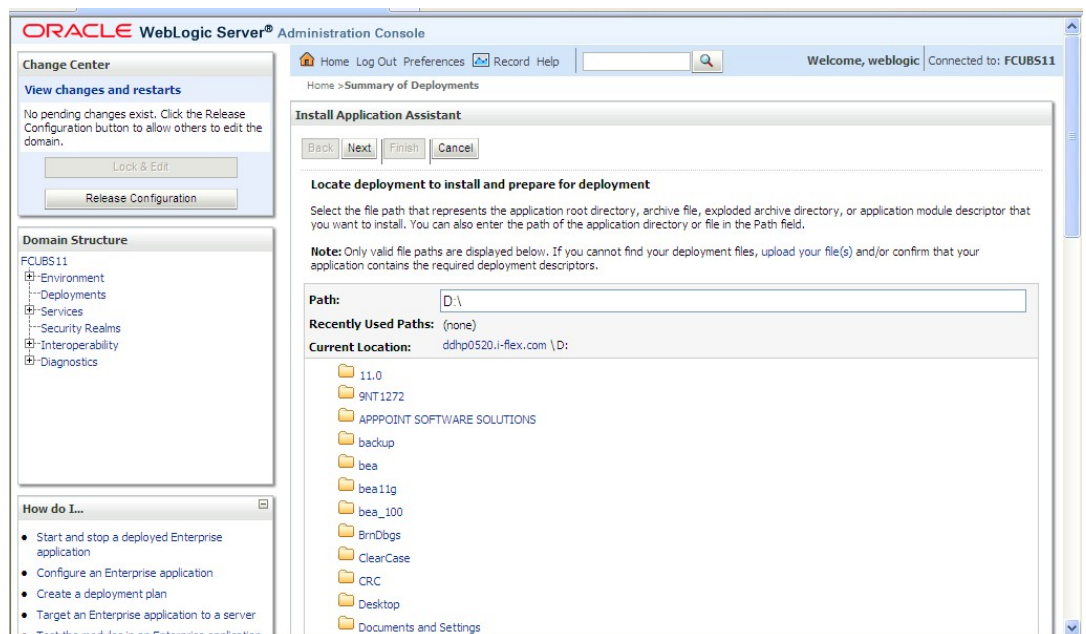
### Figure 1-22 Summary of Deployments



- 5. Click Install.**

The **Install Application Assistant** window displays.

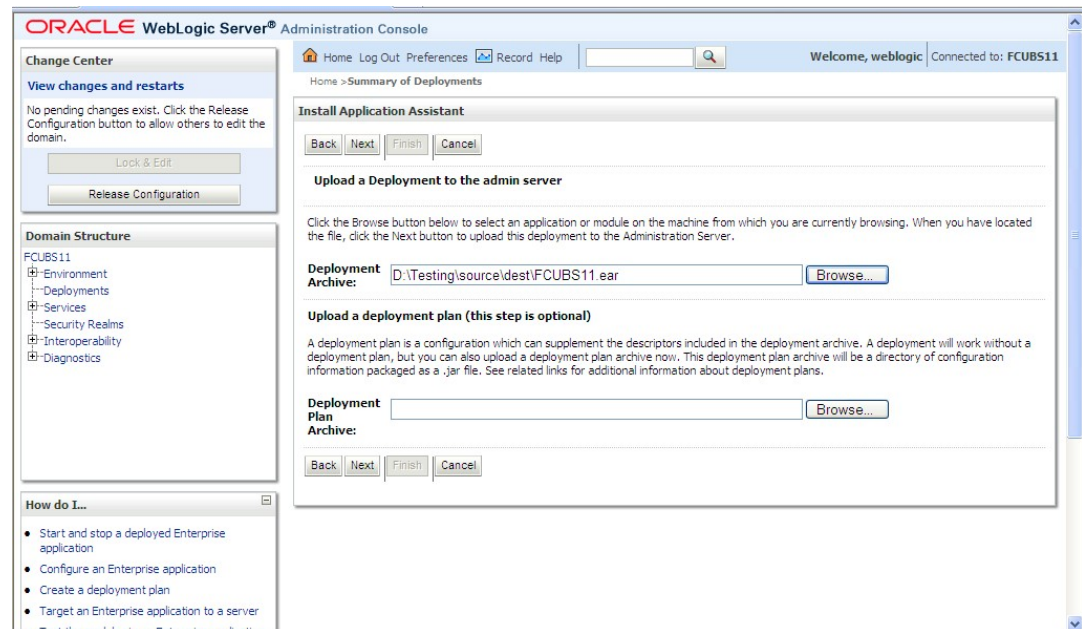
**Figure 1-23 Install Application Assistant**



- To specify the path/location of the enterprise archive file, click the **upload your file(s)** link.
- Click **Next**.

The **Install Application Assistant - Upload Deployment to the admin server** window displays.

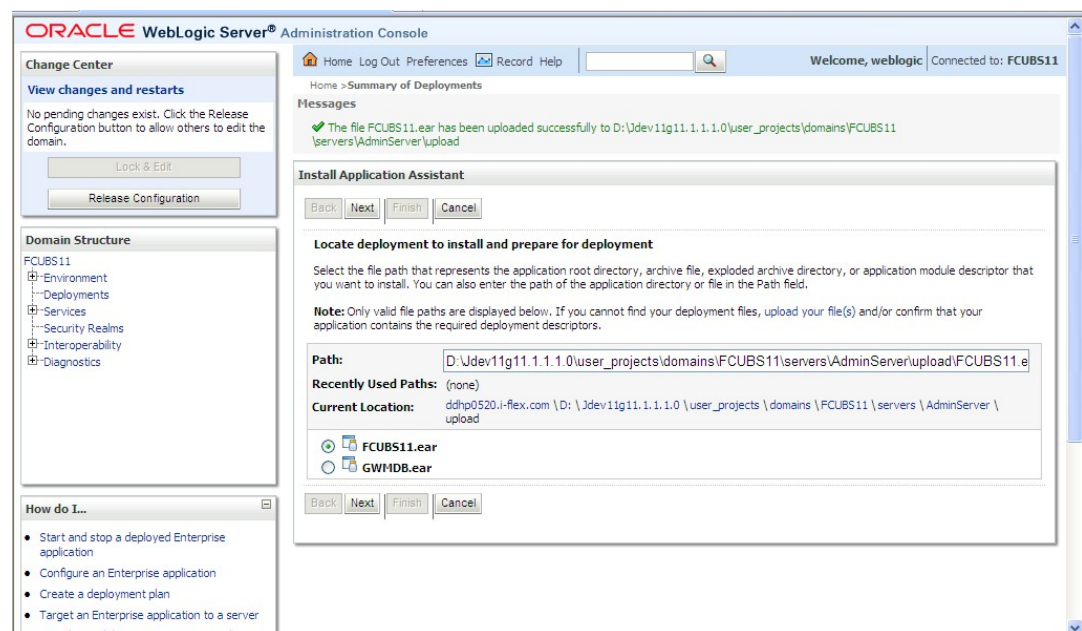
**Figure 1-24 Install Application Assistant - Upload Deployment**



8. Click the **Browse** to specify the EAR file path.
9. Click **Next**.

The **Install Application Assistant - Message** window displays.

**Figure 1-25 Install Application Assistant - Message**

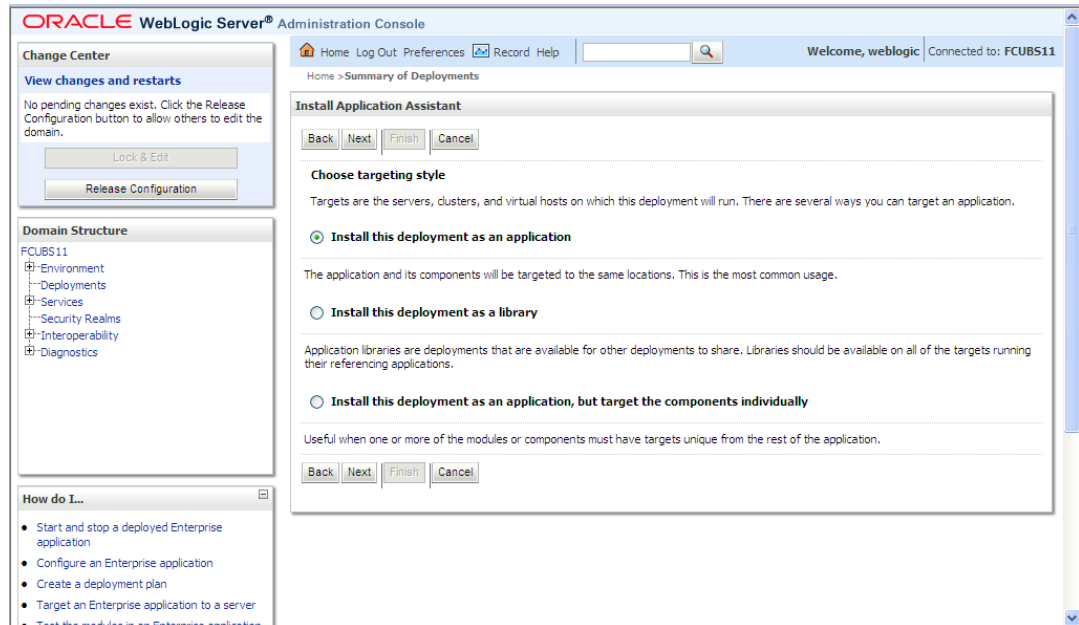


10. Select the application OBCL EAR created from the list.
11. Click **Next**.

The **Install Application Assistant - Choose targeting style** window displays.



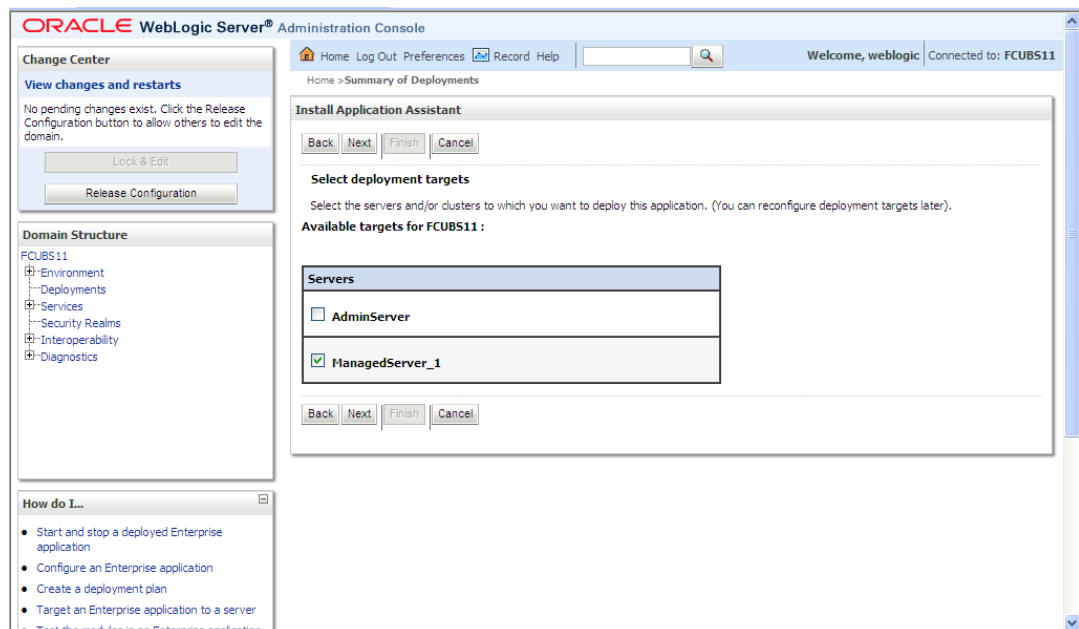
**Figure 1-26 Install Application Assistant - Choose targeting style**



12. Choose the targeting style **Install this deployment as an application**.
13. Click **Next**.

The **Install Application Assistant - Select Deployment Targets** window displays.

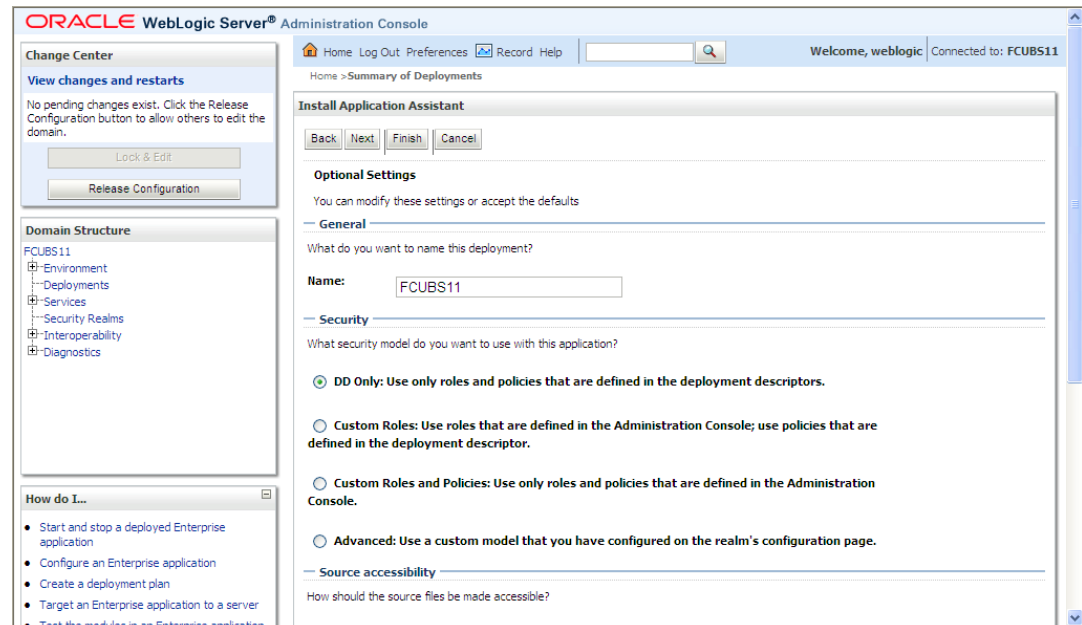
**Figure 1-27 Install Application Assistant - Select Deployment Targets**



14. Select the target of the application. You can choose the server either **AdminServer** or **Managed Server(s)**.
15. Click **Next**.

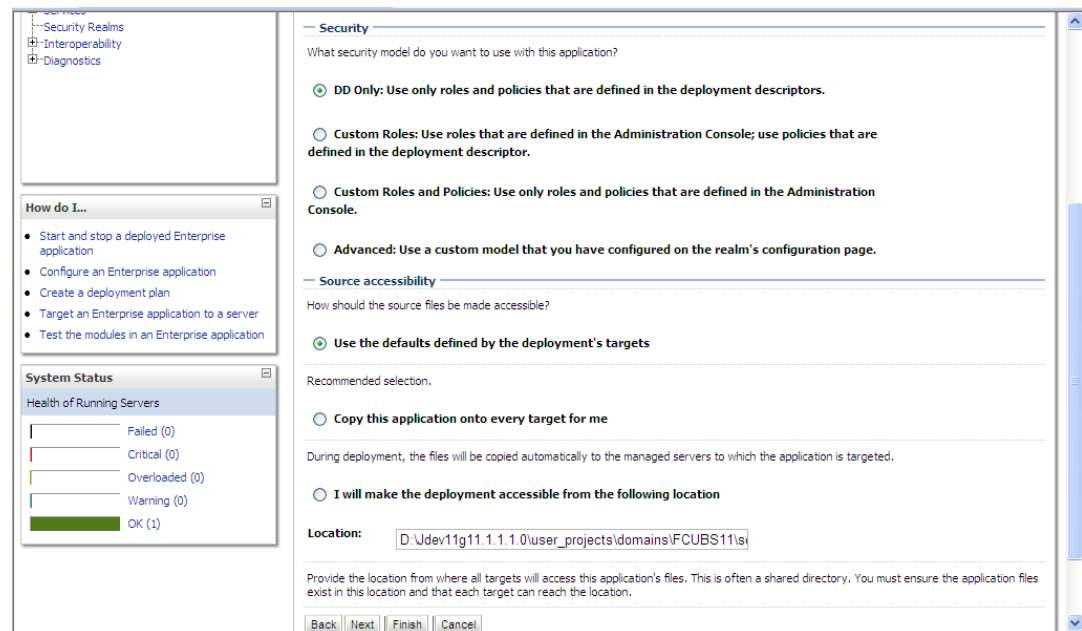
The **Install Application Assistant - Optional Settings** window displays.

**Figure 1-28 Install Application Assistant - Optional Settings 1**



16. Check the deployment name.

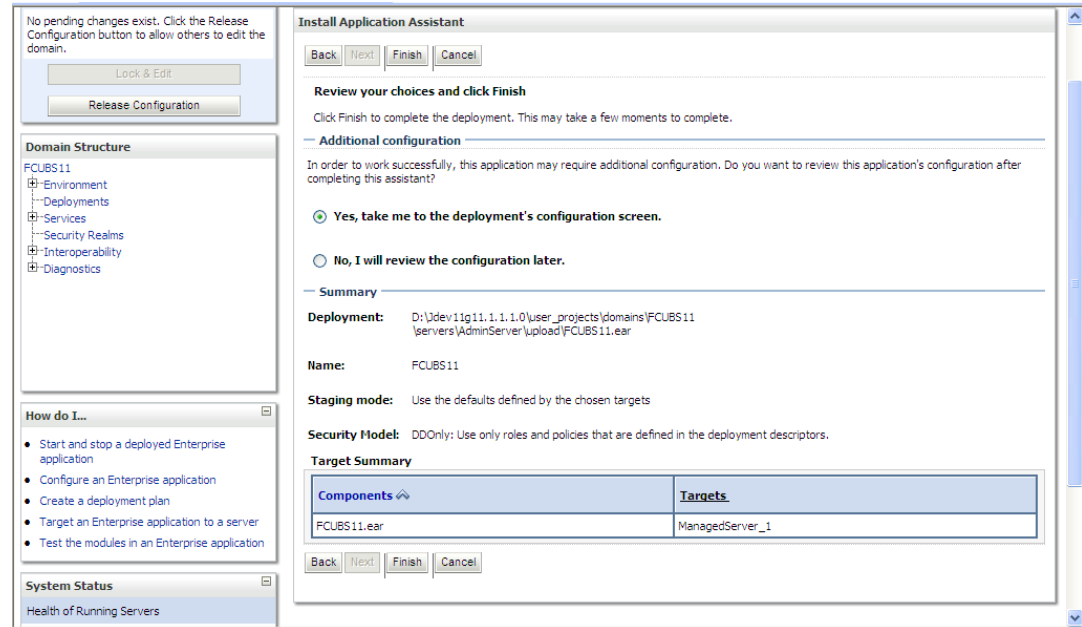
**Figure 1-29 Install Application Assistant - Optional Settings2**



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

The **Install Application Assistant - Review Choices** window displays.

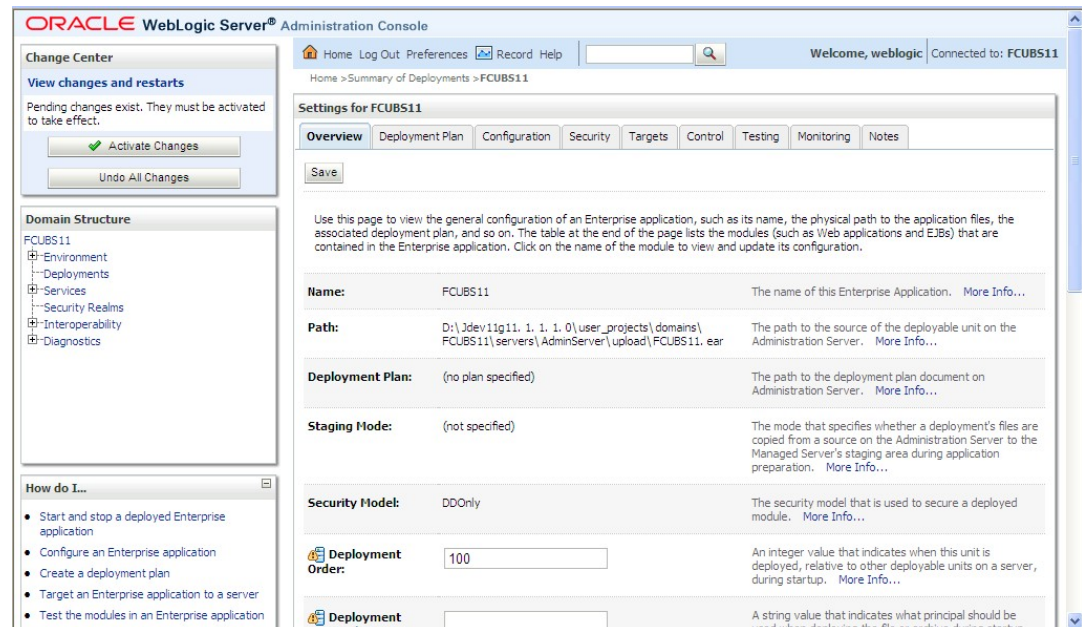
**Figure 1-30 Install Application Assistant - Review Choices**



**18. Click Finish.**

The **Settings for FCUBS11** window displays.

**Figure 1-31 Settings for FCUBS11 - Overview**



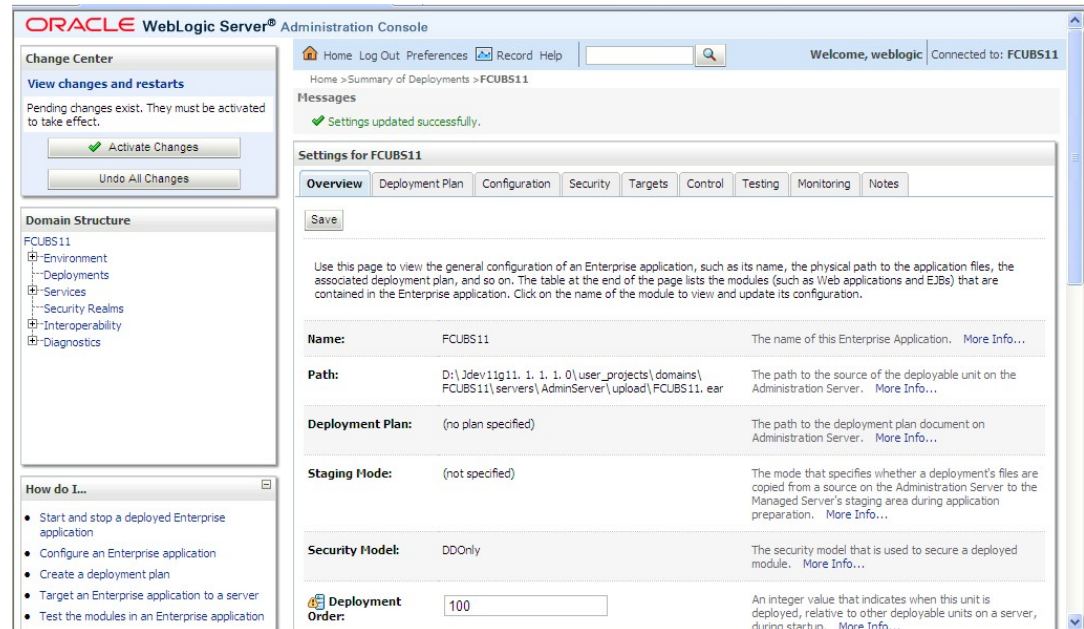
**19. Change Deployment Order to 400 if the application includes BPEL plug-in.**

**20. Click Save.**

A message displays on the **Settings for FCUBS11 - Message** window confirming that Settings updated successfully.



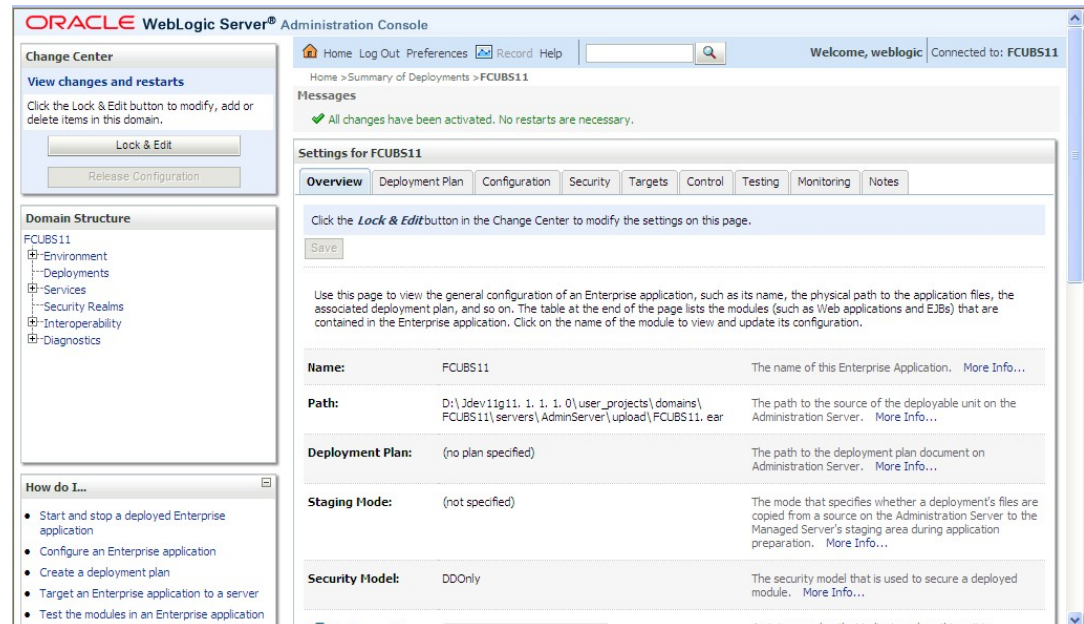
**Figure 1-32 Settings for FCUBS11 - Message**



21. Click the **Activate Changes** on the left pane. The message All the changes have been activated. No restarts are necessary displays.

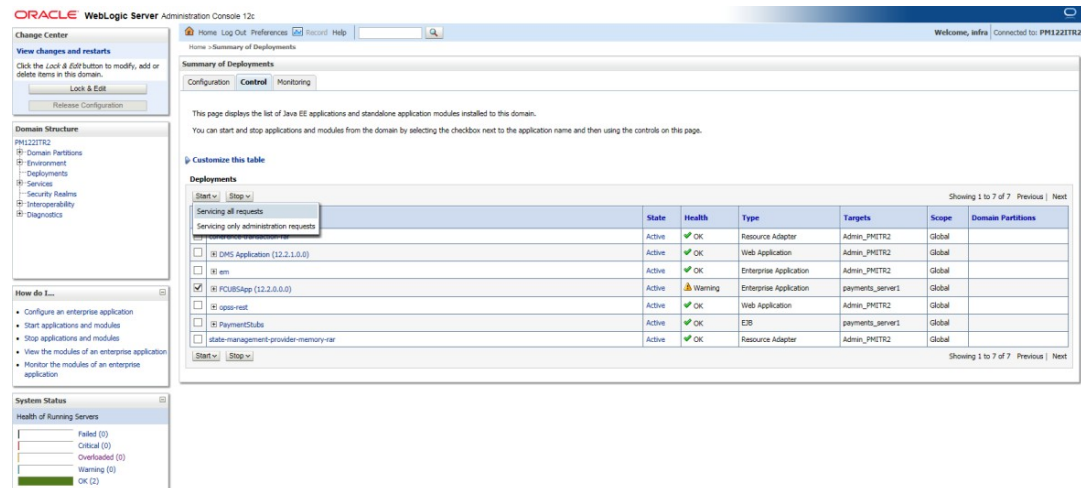
The message displays on the **Settings for FCUBS11 - Activate Changes Message** window stating that All the changes have been activated. No restarts are necessary.

**Figure 1-33 Settings for FCUBS11 - Activate Changes Message**



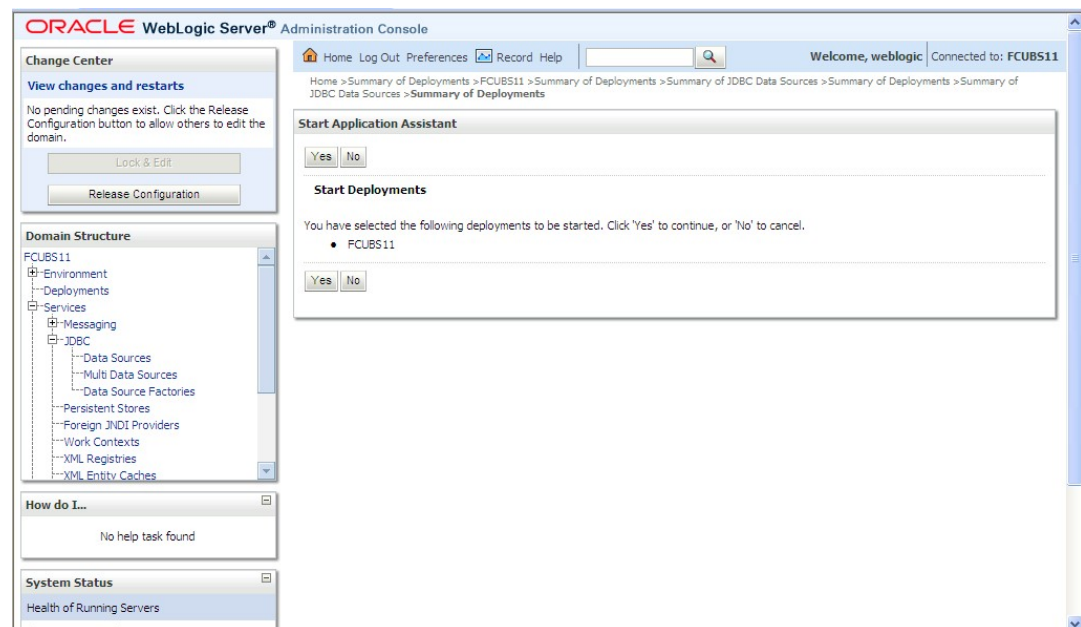
22. On the left pane, click **Deployment** and switch to **Control** tab.  
The **Summary of Deployments - Control** screen displays.

**Figure 1-34 Summary of Deployments - Control**



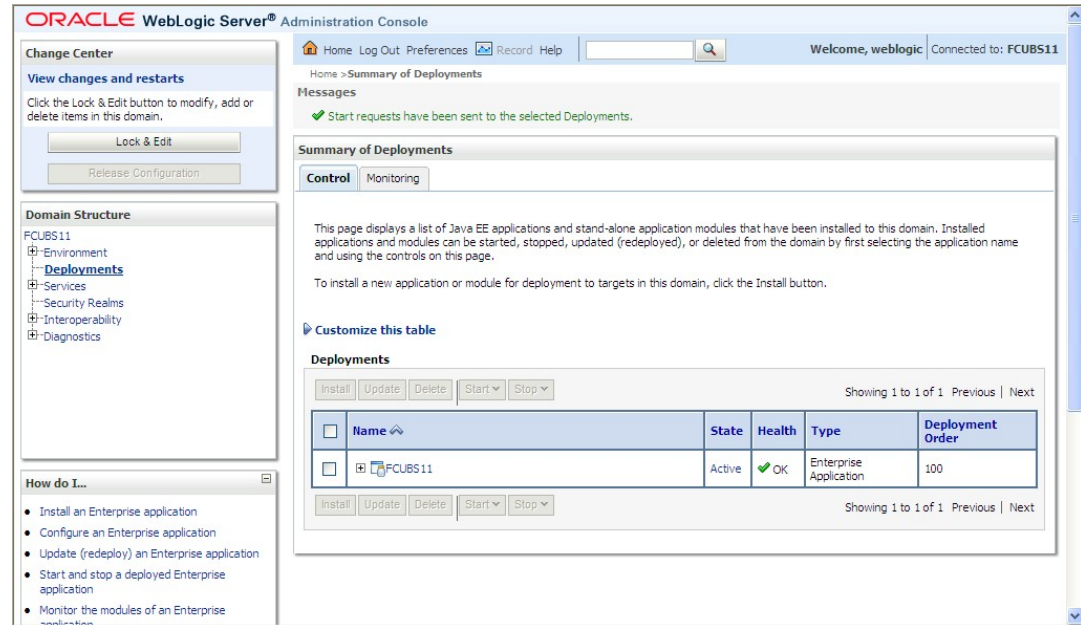
23. Click the **Start** drop-down and select **Servicing all requests**.  
The **Start Application Assistant** screen displays.

**Figure 1-35 Start Application Assistant**



24. On the **Start Application Assistant** screen, click on **Yes** to continue.  
The **Summary of Deployments - Control Message** screen displays.

Figure 1-36 Summary of Deployments - Control Message



The deployment of the Oracle Banking Corporate Lending application in the WebLogic server is completed.

## 1.2.4 Deploy Gateway/Scheduler Applications from WebLogic Administration Console

This topic provides the systematic instructions to deploy Gateway/Scheduler applications from WebLogic administration console.

To deploy the Oracle Banking Corporate Lending Gateway/Scheduler Application from the Oracle WebLogic administration console, follow the steps below:

1. Start the **Administrative Console** of the **WebLogic application server**. Enter the Oracle WebLogic Admin Console URL in the address bar in an internet browser. For example `http://10.10.10.10:1001/console`

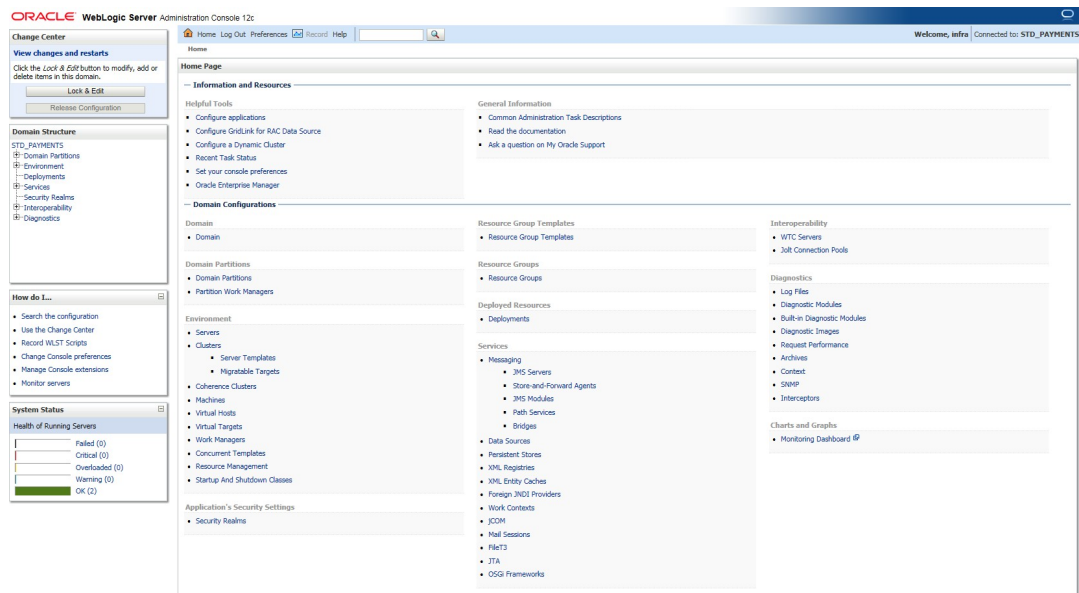
The **Oracle WebLogic Server - Welcome** screen displays.

Figure 1-37 Oracle Weblogic Server - Welcome



2. Specify the WebLogic administrator user name and password and click **Log In**.  
The **Oracle Weblogic Server - Home Page** screen displays.

Figure 1-38 Oracle Weblogic Server - Home

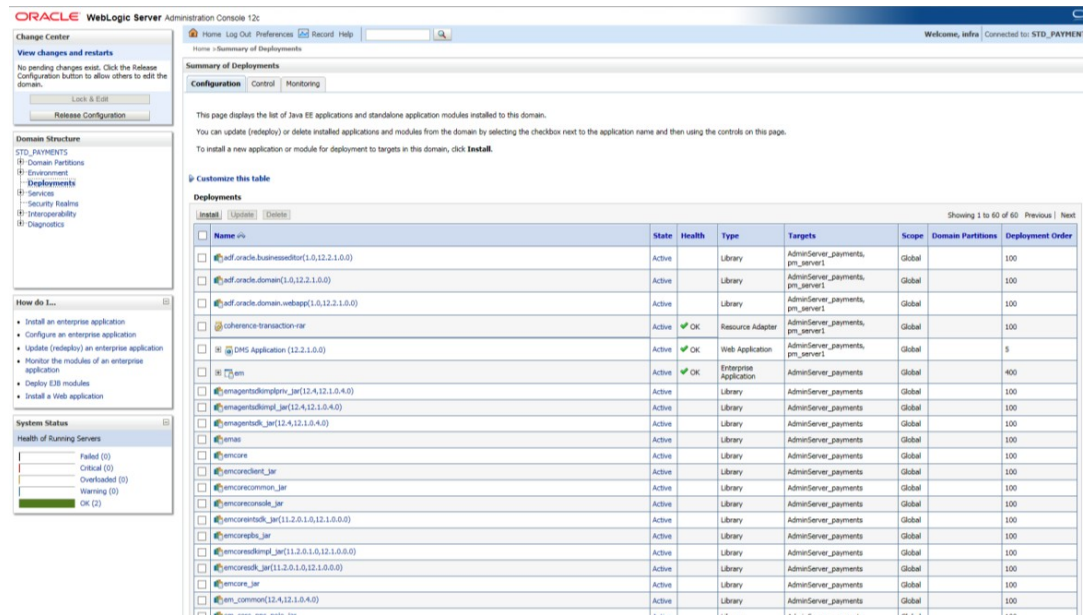


3. Go to **Deployments** to deploy an EAR. For example: **GWEJB.ear**
4. Click **Lock & Edit** to enable the buttons.

This action enables the buttons.

The **Summary of Deployments** screen displays.

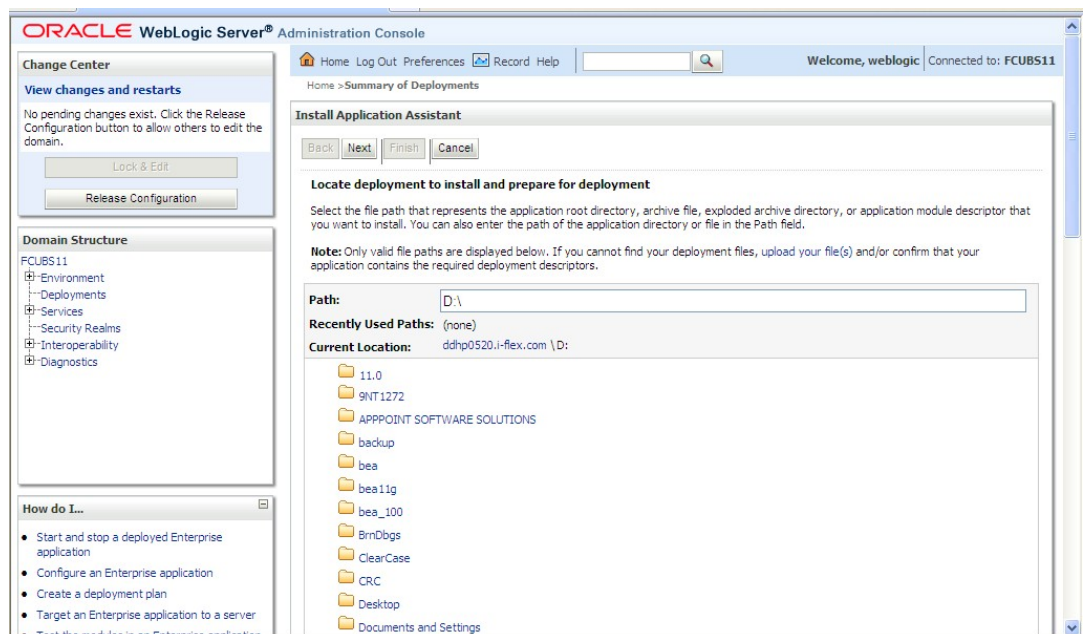
### Figure 1-39 Summary of Deployments



- 5. Click Install.**

The **Install Application Assistant** window displays.

**Figure 1-40** Install Application Assistant

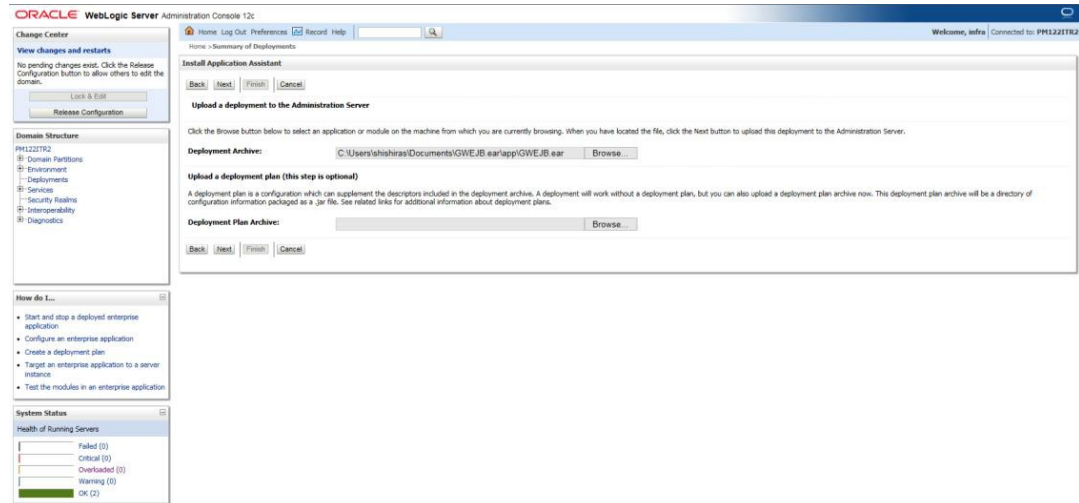


- To specify the path/location of the enterprise archive file, click the link **upload your file(s)**.
- Click **Next**.

The **Install Application Assistant - Upload a deployment to the Administration Server** window displays.



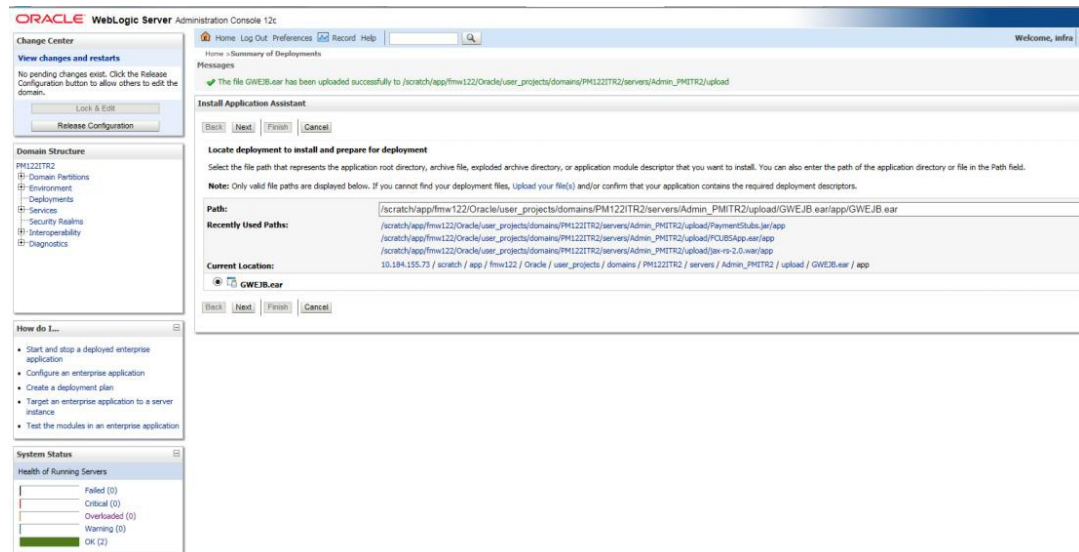
**Figure 1-41 Install Application Assistant - Upload deployment for GWEJB**



8. Click the **Browse** button to specify the EAR file path.
9. Click **Next**.

The **Install Application Assistant - Message** window displays.

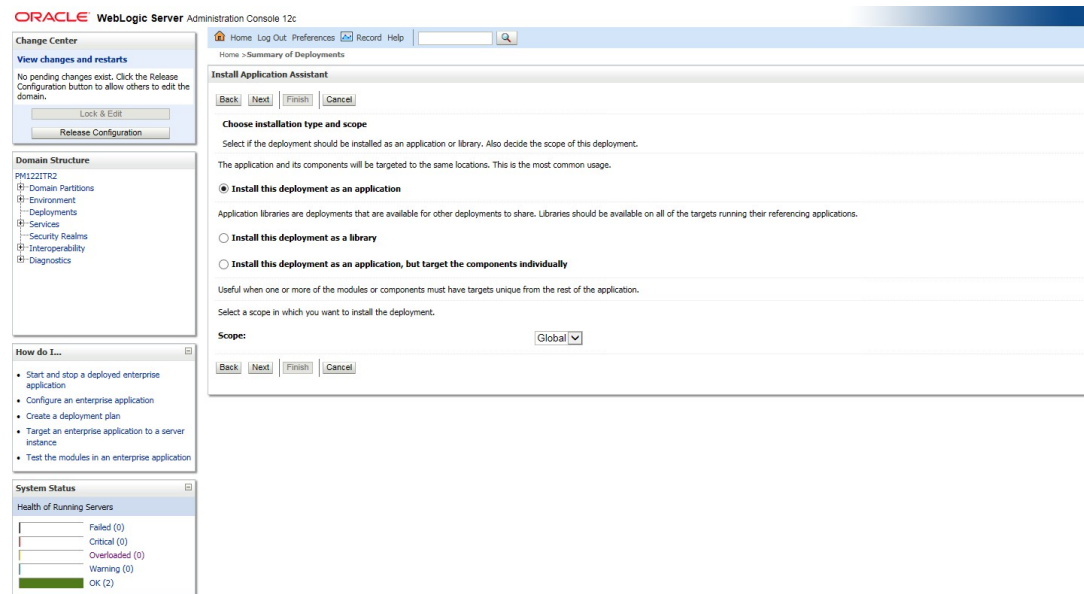
**Figure 1-42 Install Application Assistant - Message**



10. Select the application from the list.
11. Click **Next**.

The **Install Application Assistant - Choose installation type and scope** window displays.

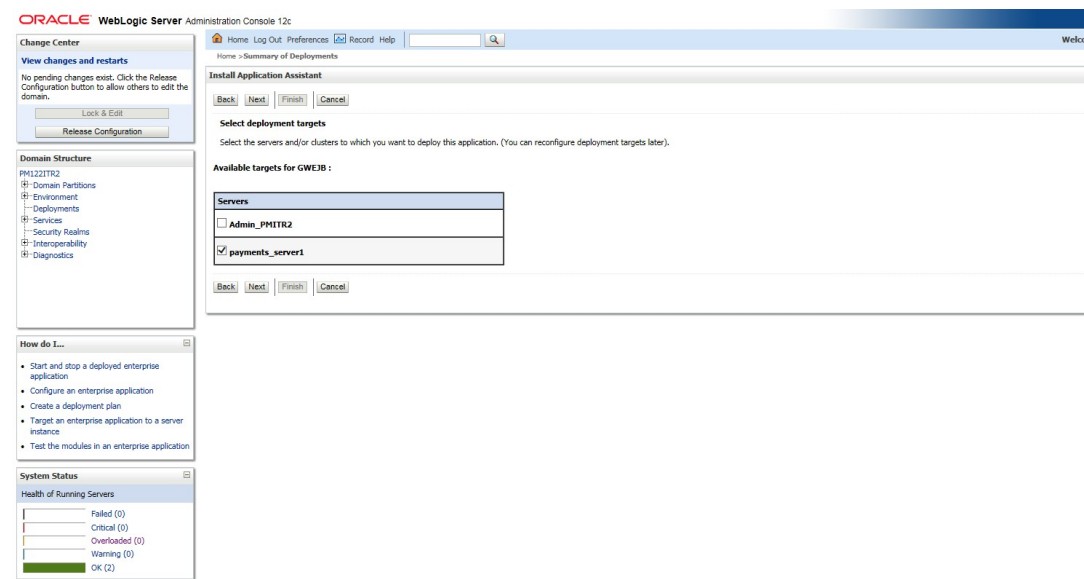
**Figure 1-43** Install Application Assistant - Choose installation type and scope



12. Choose the targeting style **Install this deployment as a library**.
13. Click **Next**.

The **Install Application Assistant - Select deployment targets** window displays.

**Figure 1-44** Install Application Assistant - Select deployment targets



14. Select the target of the application. You can choose the server **AdminServer** or **Managed Server(s)**.
15. Click **Next**.

The **Install Application Assistant - Optional Settings** window displays.

**Figure 1-45 Install Application Assistant - Optional Settings**

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

The **Install Application Assistant - Review Choices** window displays.

**Figure 1-46 Install Application Assistant - Review Choices**

Target Summary	
Components	Targets
GWEJB.ear	payments_server1

18. Click **Finish**.

The **Settings for GWEJB** window displays.



Figure 1-47 Settings for GWEJB

19. Click **Save**.

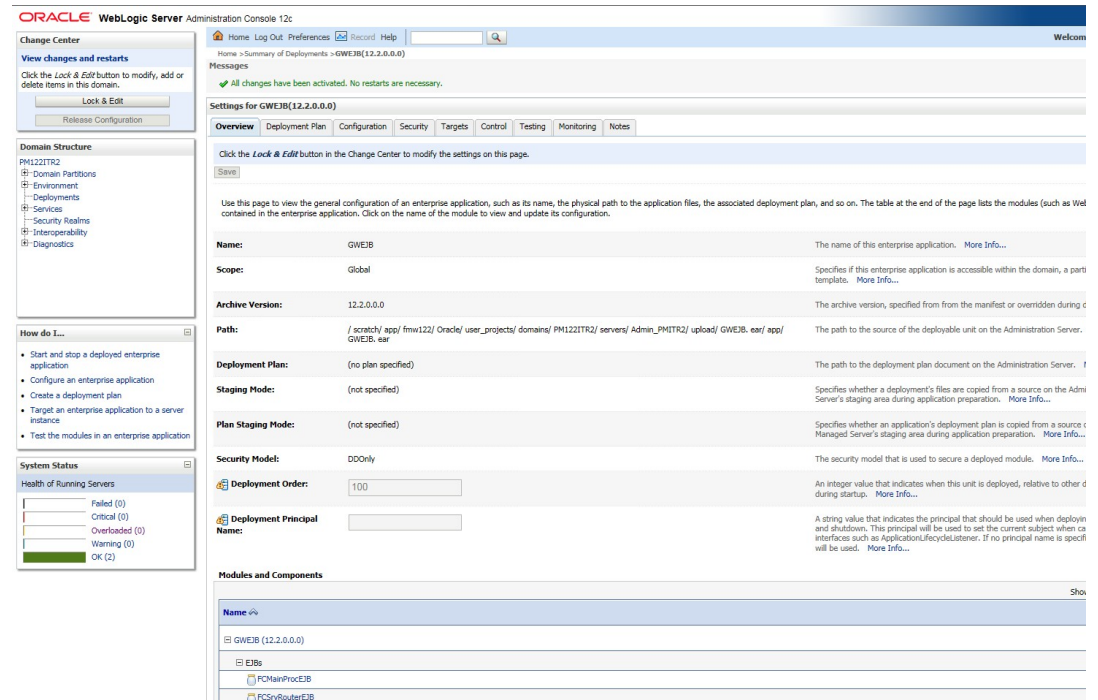
A message displays on the **Settings for GWEJB** screen confirming that the setting updated successfully.

Figure 1-48 Settings for GWEJB - Message

20. Click the **Activate Changes** on the left pane.

The message displays on the **Settings for GWEJB - Activate Changes Message** window stating that All the changes have been activated. No restarts are necessary.

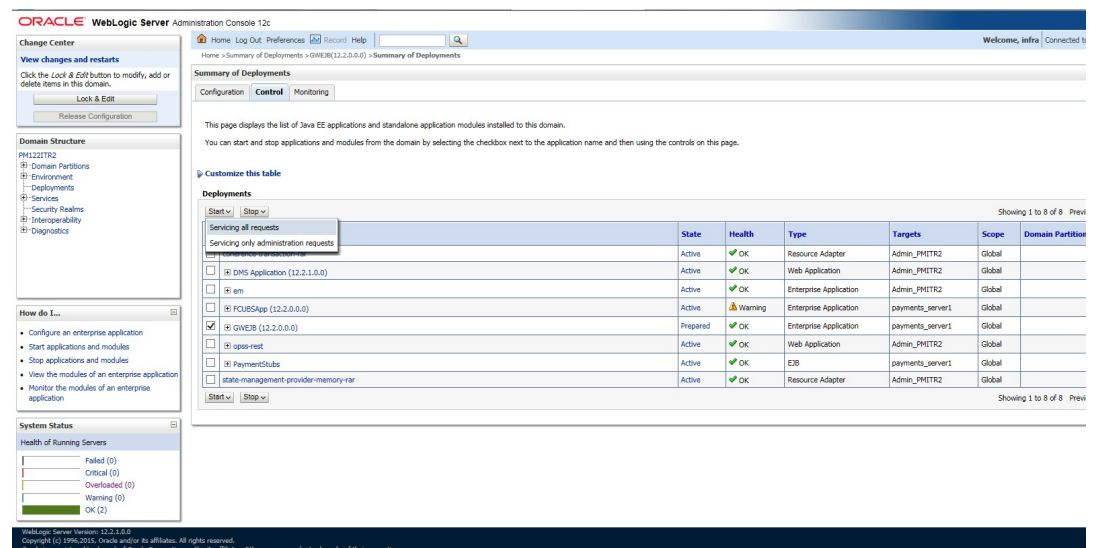
**Figure 1-49 Settings for GWEJB - Activate changes message**



- On the left pane, click on **Deployment** and switch to **Control** tab.

**Summary of Deployments - Control** screen displays.

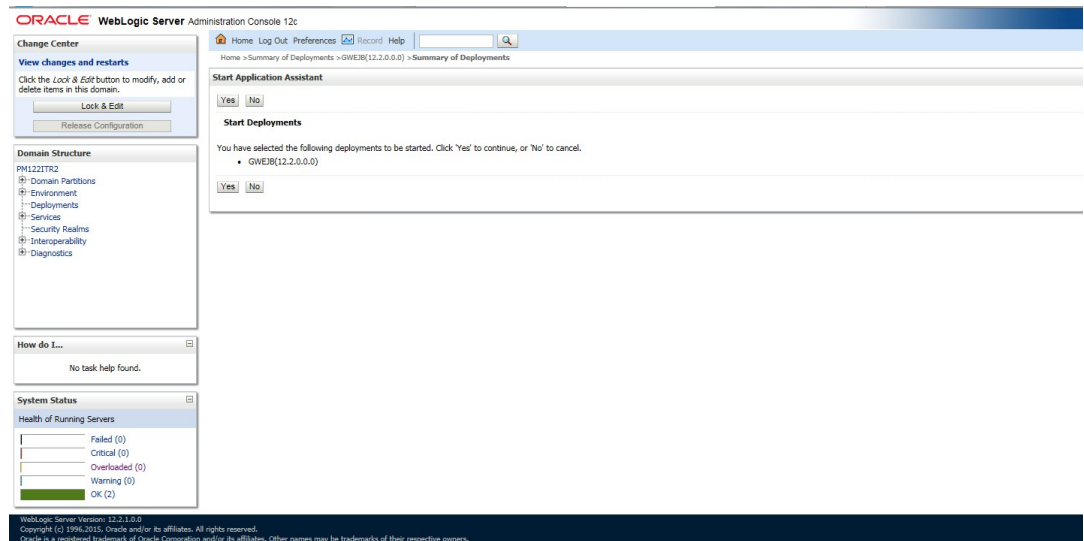
**Figure 1-50 Summary of Deployments - Control**



- Click the **Start** drop-down button and select **Servicing all requests**.

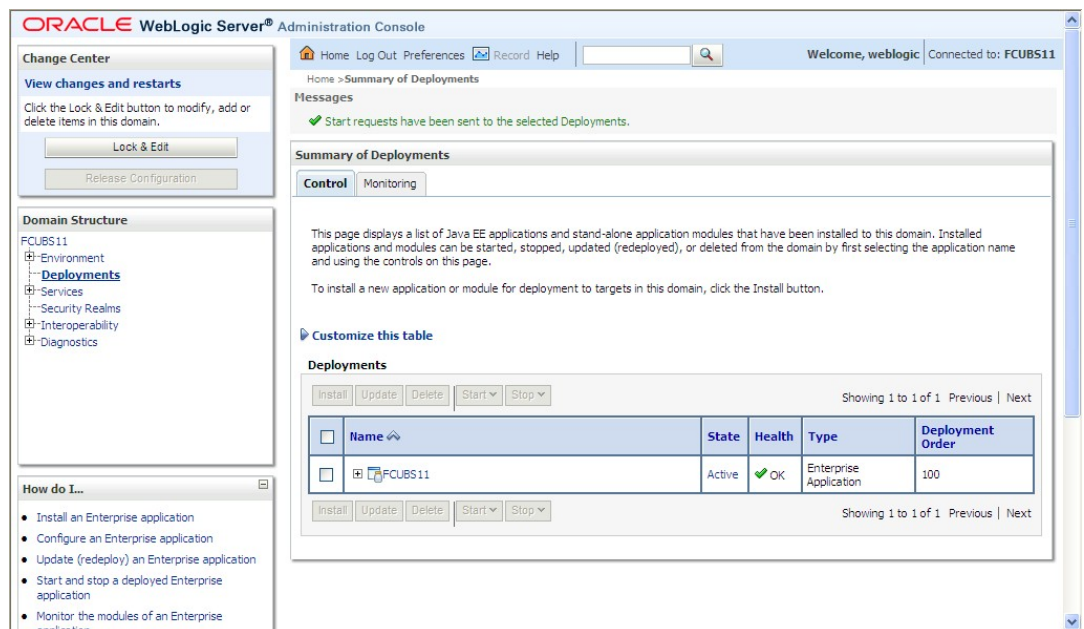
The **Start Application Assistant** screen displays.

**Figure 1-51 Start Application Assistant**



23. On the **Start Application Assistant** screen, click on **Yes** button to continue. The **Summary of Deployments - Control - Message** screen displays.

**Figure 1-52 Summary of Deployments - Control - Message**



24. Repeat the same steps from [Deploy Oracle Banking Corporate Lending Application from WebLogic Administration Console](#) for deploying GWWS (gateway web services), Gateway MDB and Gateway HTTP servlet.

The deployment of the Gateway/Scheduler Applications from WebLogic server is completed.