

Oracle® FLEXCUBE Investor Servicing REST API Services Deployment in WebLogic



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Preface

Oracle FLEXCUBE Investor Servicing is a comprehensive mutual funds automation software from Oracle® Financial Servicing Software Ltd.©.

You can use the system to achieve optimum automation of all your mutual fund investor servicing processes, as it provides guidelines for specific tasks, descriptions of various features and processes, and general information.

This topic contains the following sub-topics:

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

Purpose

This manual is designed to help acquaint you with the installation of **Oracle FLEXCUBE Investor Servicing** application.

Audience

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

Table 1 Users and Roles

Users	Roles
Implementation team	Implementation of Oracle FLEXCUBE Investor Servicing
Presales team	Install Oracle FLEXCUBE Investor Servicing for demo purpose
Bank personnel	Who installs Oracle FLEXCUBE Investor Servicing

Documentation Accessibility

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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.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	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 are as follows:

Table 2 Acronyms and Abbreviations

Abbreviation	Description
FCIS	Oracle FLEXCUBE Investor Servicing
OEM	Oracle Enterprise Manager

Table 2 (Cont.) Acronyms and Abbreviations

Abbreviation	Description
EMS	Electronic Messaging Service
EJB	Enterprise Java Bean
MDB	Message Driven Beans

1

REST Services Deployment in WebLogic

This topic describes the steps to install REST Services into WebLogic Application Server.

This topic contains the following sub-topics:

- [REST EJB Services Full Deployment](#)
This topic provides the systematic instructions to deploy REST EJB Services into weblogic server in full deployment mode.
- [REST WebServices Full Deployment](#)
This topic provides the systematic instructions to deploy REST WebServices into weblogic server in full deployment mode.
- [Enable Logs for REST Application](#)
This topic provides the systematic instructions to enable logging properties need to be set in the logging.xml.

1.1 REST EJB Services Full Deployment

This topic provides the systematic instructions to deploy REST EJB Services into weblogic server in full deployment mode.

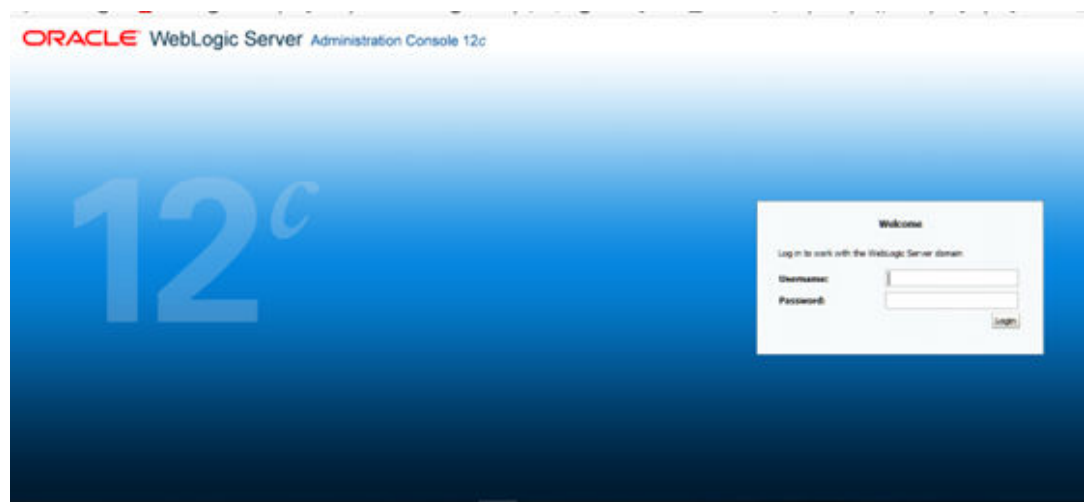
Create a Datasource `jdbc/FCJDevDSSMS` that will be referring to the API DB before deploying the EAR.

Refer to the topic *Resource Creation* for more details on creating the data source.

1. Start **WebLogic Console**.

The following screen is displayed.

Figure 1-1 WebLogic Console



2. On **WebLogic Console** screen, enter the following details to log in WebLogic server.
Refer to the table for WebLogic Console details.

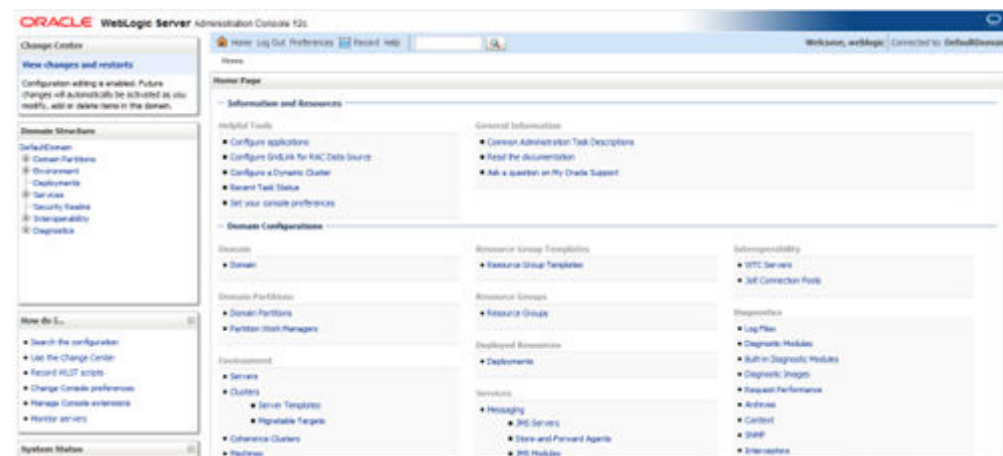
Table 1-1 WebLogic Console

Field	Description
Username	Enter WebLogic user name.
Password	Enter password for WebLogic.

- Click **Login**.

The following screen is displayed.

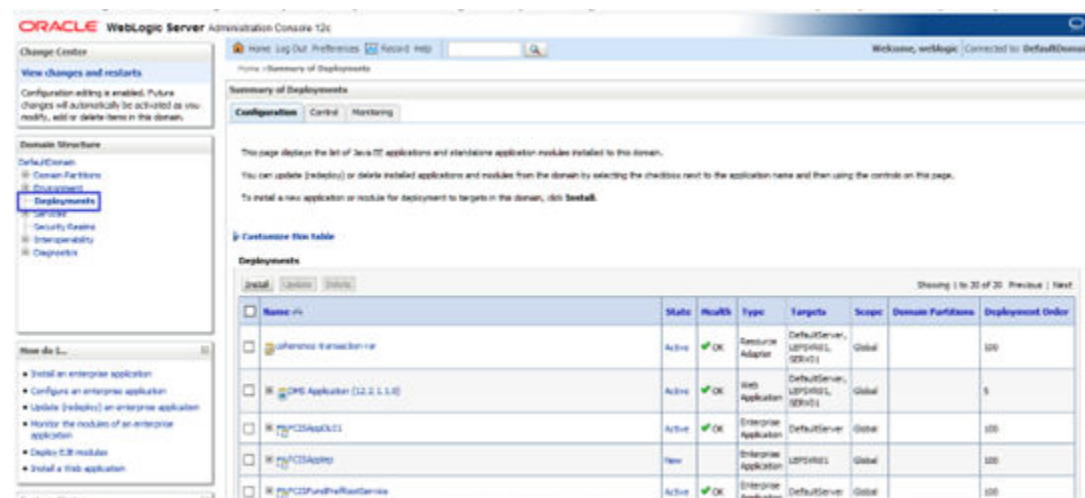
Figure 1-2 Home Screen



- Select **Deployments** from **Domain Structure**.

The following screen is displayed.

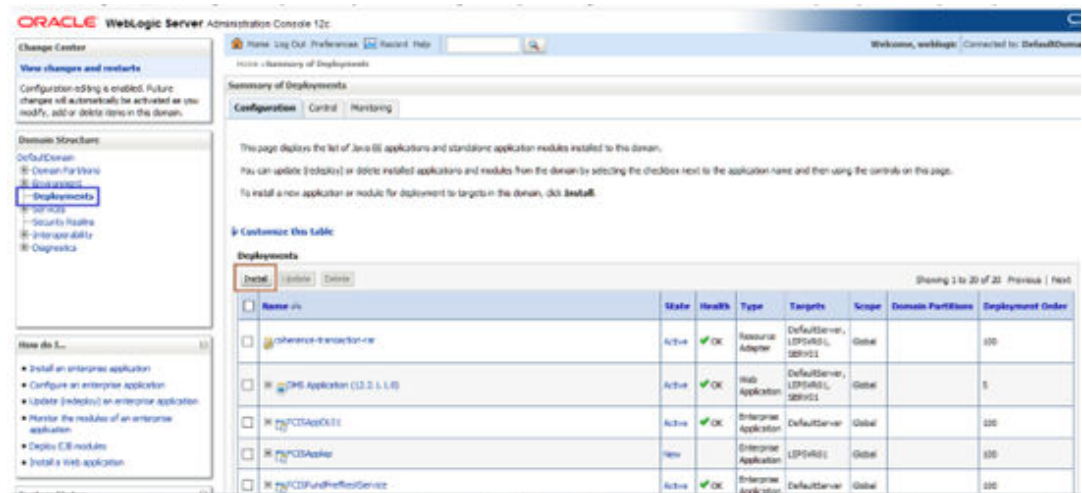
Figure 1-3 Domain Structure_Deployments



- Click **Install** from the **Deployments** to install a new module or application.

The following screen is displayed.

Figure 1-4 Deployments_Install



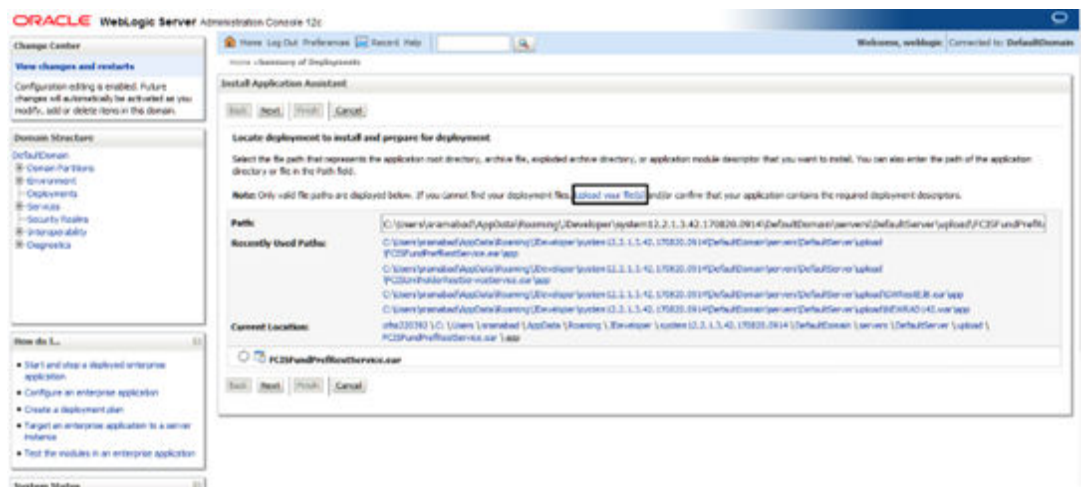
- You can click **Update** or **Delete** to update or delete the installed applications by selecting the checkbox next to the application name.
- Enter the complete path of the EAR.

Note:

Only valid file paths are displayed.

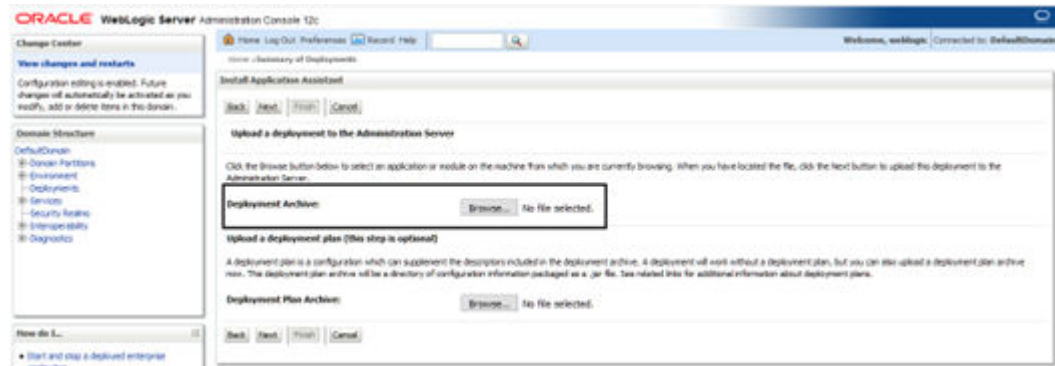
- Choose the option **Upload your file(s)**, if deployment files could not be found in the path.

Figure 1-5 Click Upload your files



- Click **Next** to upload a deployment.
The following screen is displayed.

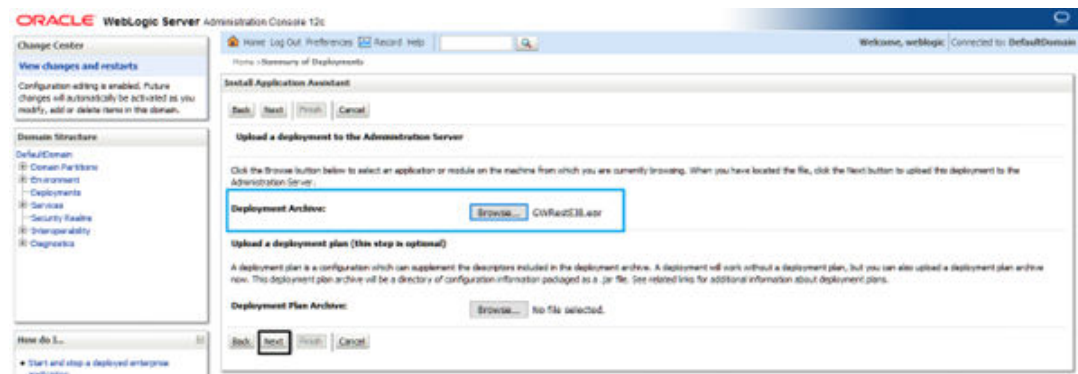
Figure 1-6 Upload a deployment to the Administration Server_No File Selected



10. Click **Browse** button to select an application or module. When you have located the file, click **Next** to upload this deployment to the Administration Server.

On successful deployment, the following screen is displayed.

Figure 1-7 Upload a deployment to the Administration Server_File uploaded

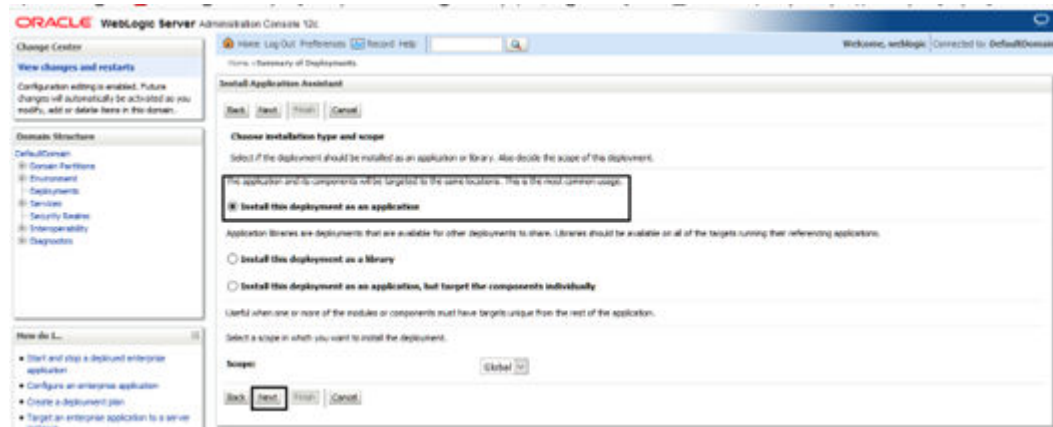


11. Choose installation type and scope. Select if the deployment should be installed as an application or library.

The options available are:

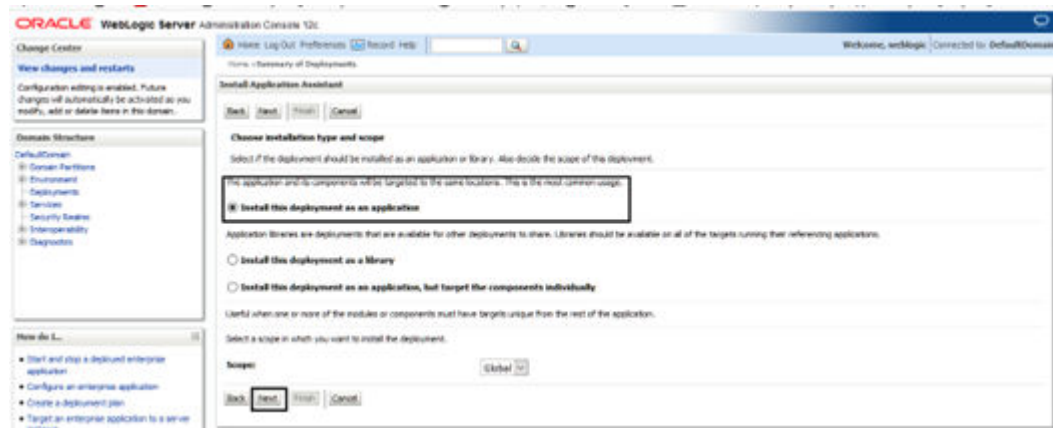
- Install this deployment as an application
- Install this deployment as a library
- Install this deployment as an application, but target the components individually

Figure 1-8 Installation Type



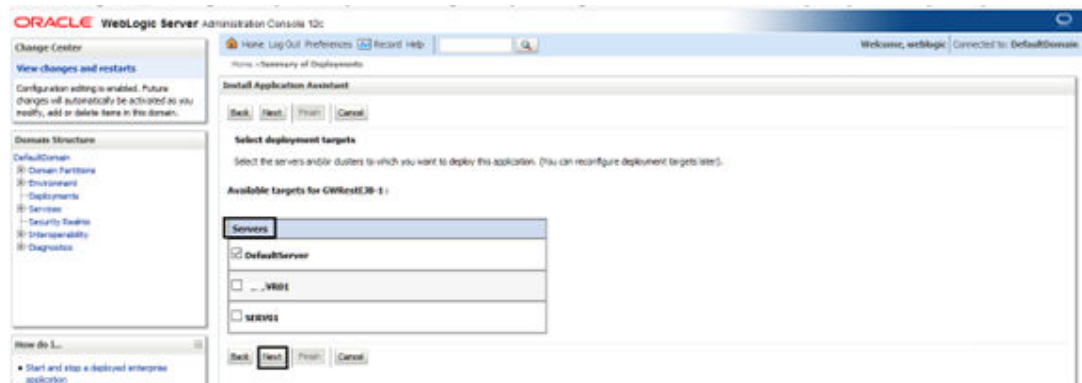
12. Select a **Scope** in which you want to install the deployment.

Figure 1-9 Scope



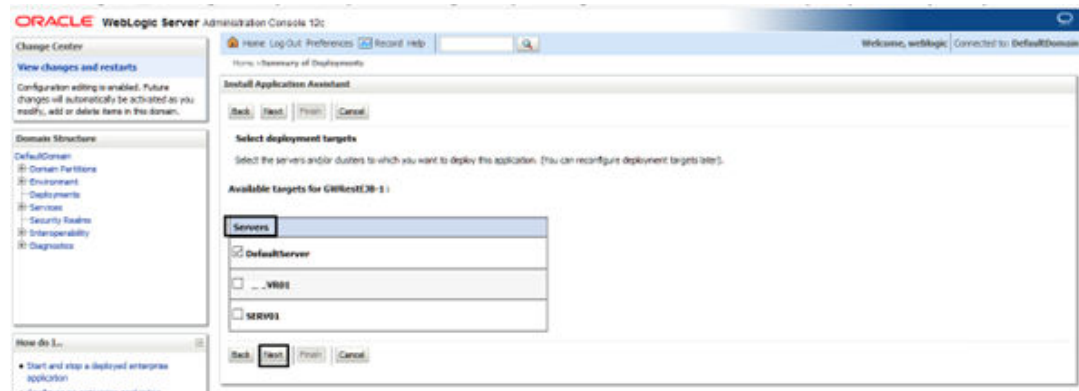
13. Click **Next** to select deployment targets.

Figure 1-10 Select Deployment Targets



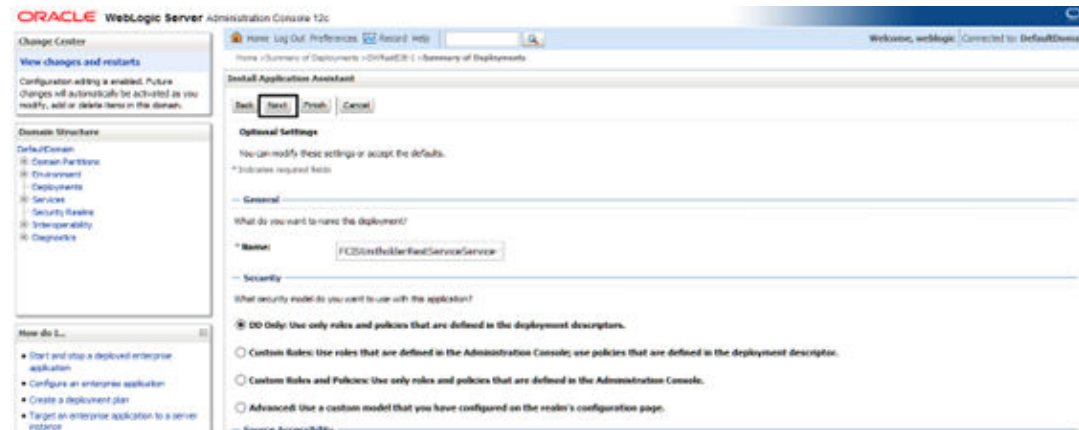
14. Select the appropriate server where you want to deploy the EAR.
The following screen is displayed.

Figure 1-11 Servers



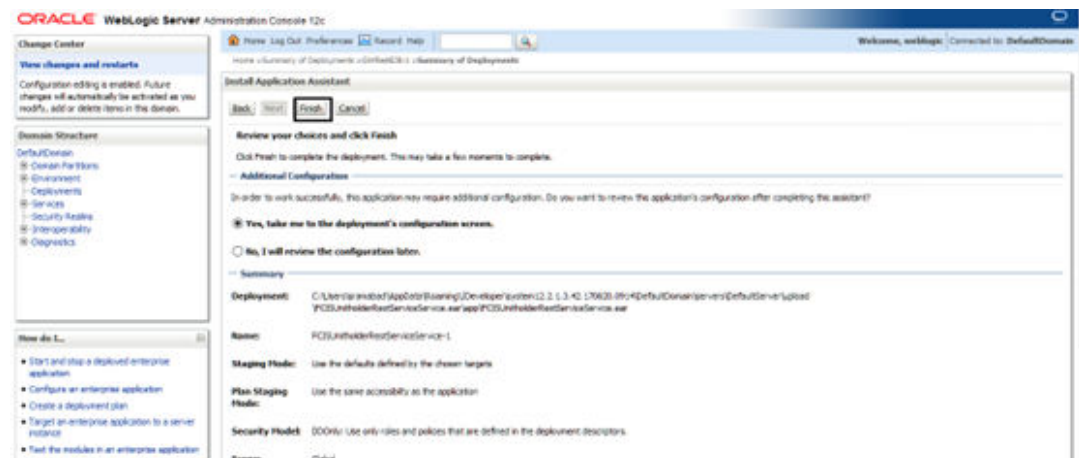
15. Click **Next** to modify or accept the default details such as Name, Security, and Source Accessibility.

Figure 1-12 Deployment Settings



16. Click **Finish** to complete the deployment.
The following screen is displayed.

Figure 1-13 Click Finish Button



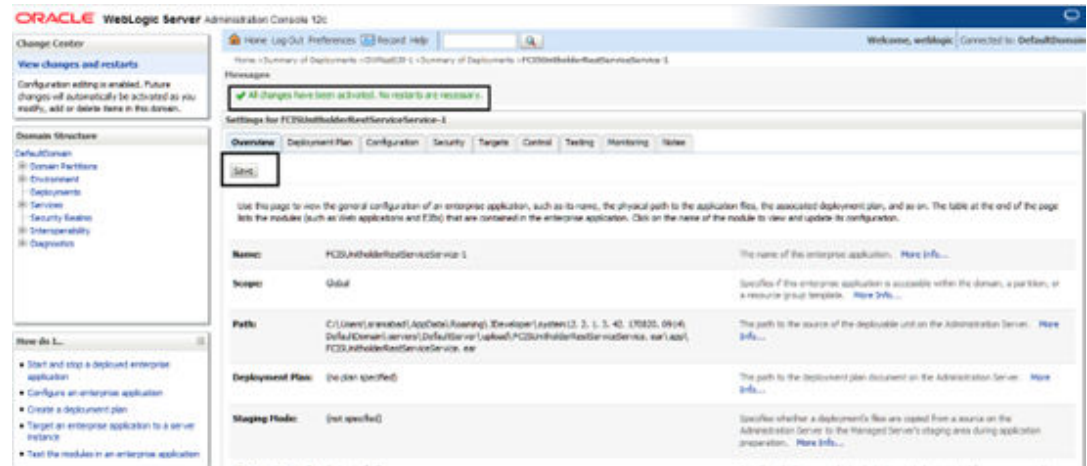
17. Click **Save**.

On successful updation, below messages are displayed:

- All changes have been activated. No restarts are necessary.
- Settings updated successfully.

The following screen is displayed.

Figure 1-14 Click Save



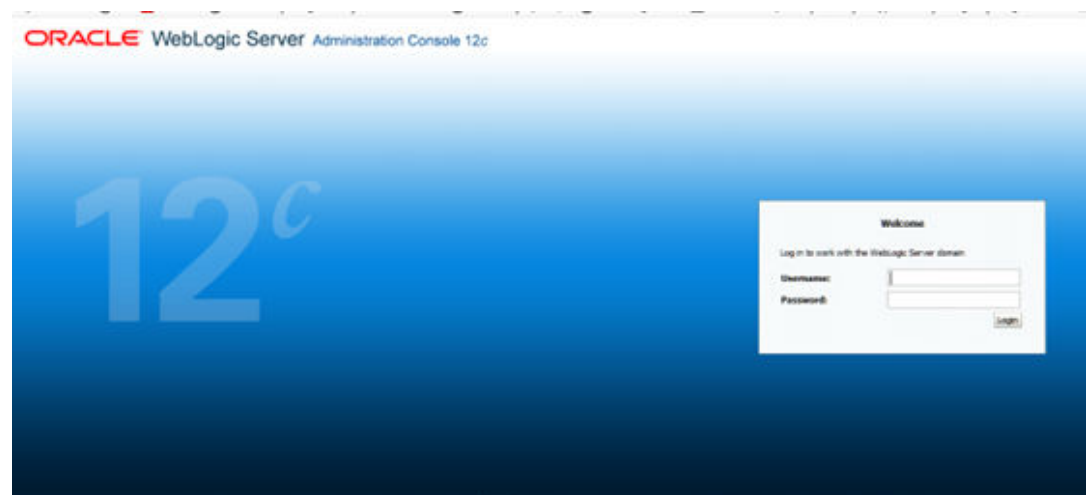
1.2 REST WebServices Full Deployment

This topic provides the systematic instructions to deploy REST WebServices into weblogic server in full deployment mode.

1. Start **WebLogic console**.

The following screen is displayed.

Figure 1-15 WebLogic Console

2. On **WebLogic Console** screen, enter the following details to log in WebLogic server.

Refer to the table for WebLogic Console details.

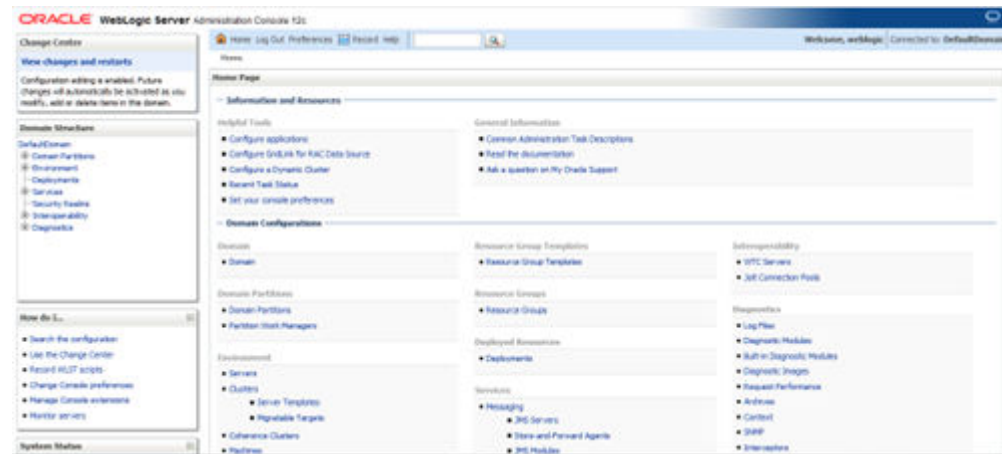
Table 1-2 WebLogic Console

Field	Description
Username	Enter WebLogic user name.
Password	Enter password for WebLogic.

- Click **Login**.

The following screen is displayed.

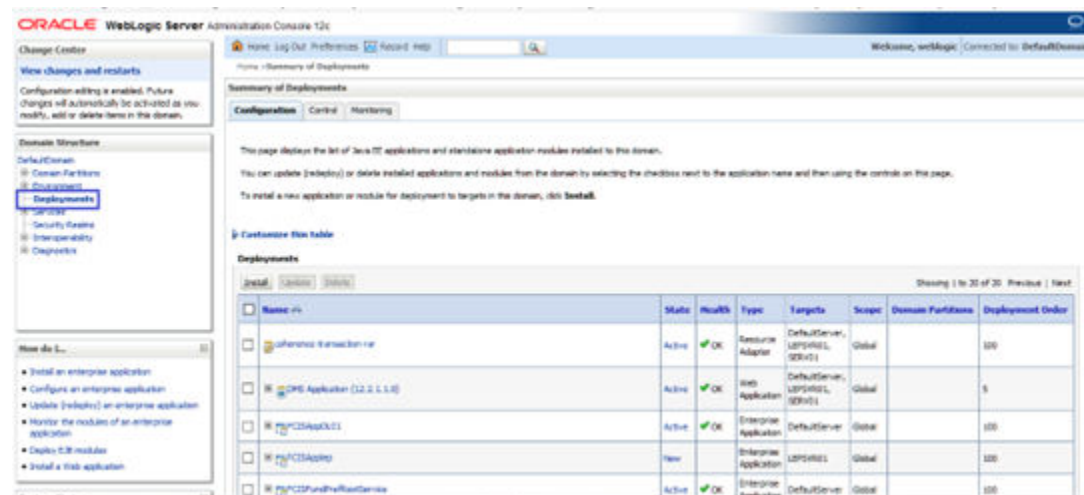
Figure 1-16 Home Screen



- Select **Deployments** from **Domain Structure**.

The following screen is displayed.

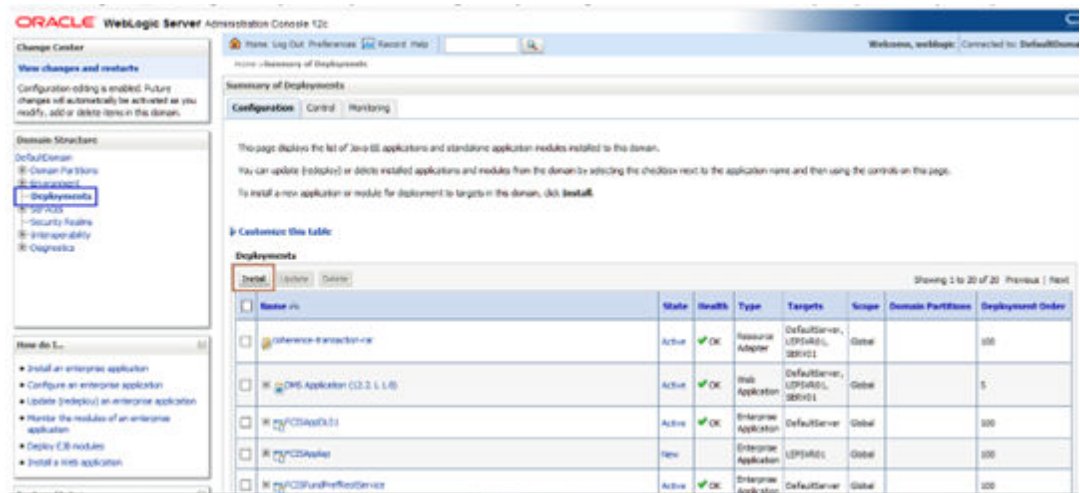
Figure 1-17 Domain Structure_Deployments



- Click **Install** from the **Deployments** to install a new module or application.

The following screen is displayed.

Figure 1-18 Deployments_Install



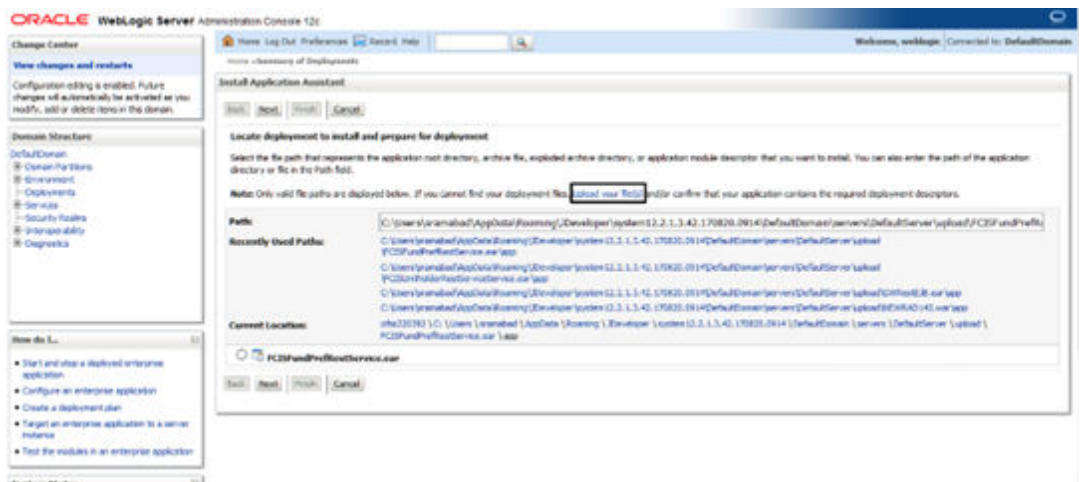
6. You can click **Update** or **Delete** to update or delete the installed applications by selecting the checkbox next to the application name.
7. Enter the complete path of the EAR.

 Note:

Only valid file paths are displayed below.

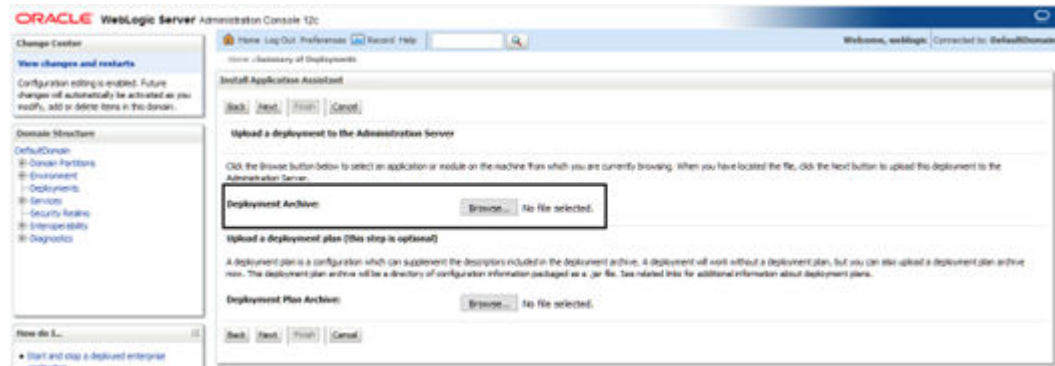
8. Choose the option **Upload your files**, if deployment files could not be found in the path.

Figure 1-19 Click Upload your files



9. Click **Next** to upload a deployment.
The following screen is displayed.

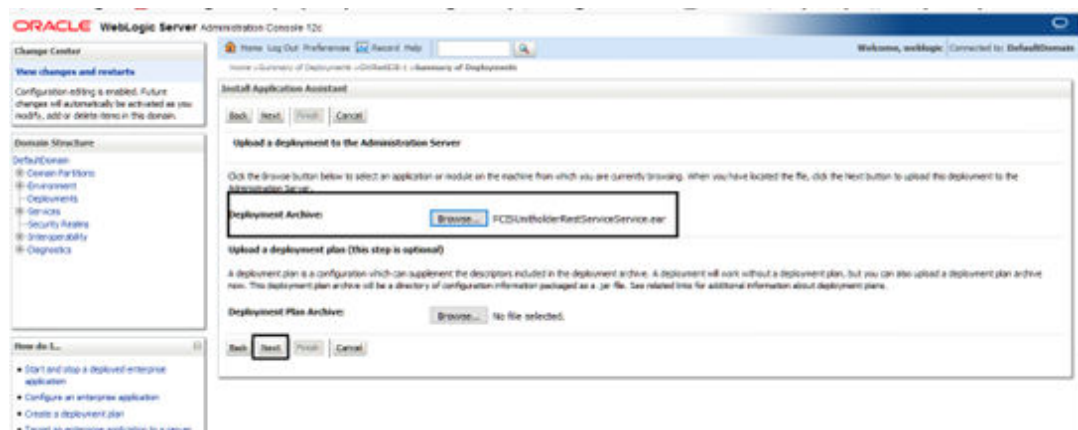
Figure 1-20 Upload a deployment to the Administration Server_No File Selected



10. Click **Browse** button to select an application or module. When you have located the file, click **Next** to upload this deployment to the Administration Server.

On successful deployment, the following screen is displayed.

Figure 1-21 Upload a deployment to the Administration Server_File uploaded

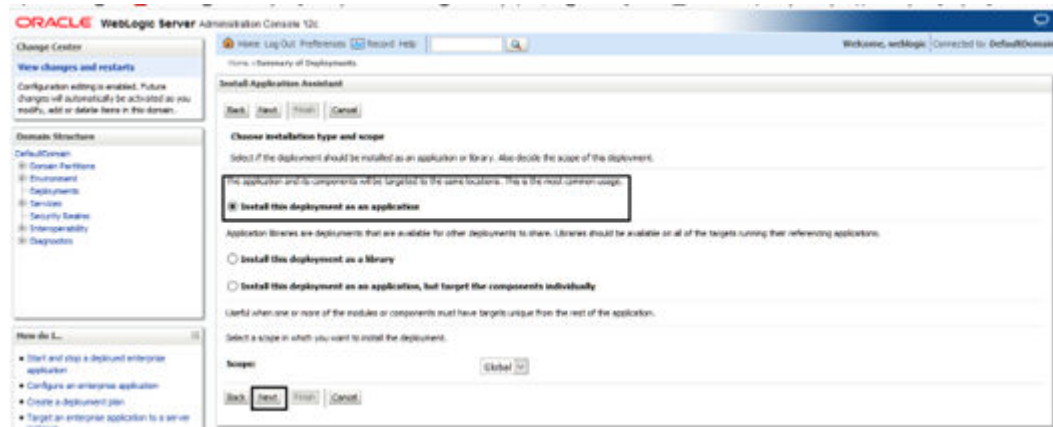


11. Choose installation type and scope. Select if the deployment should be installed as an application or library.

The options available are:

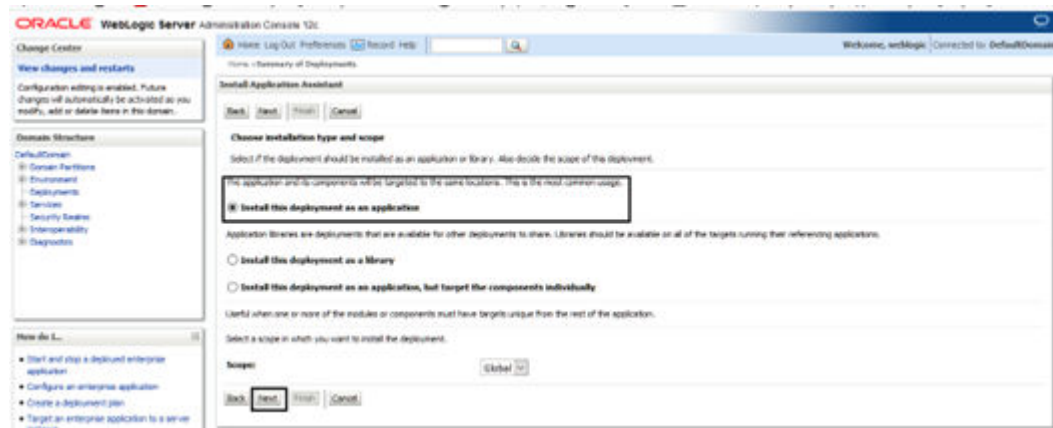
- Install this deployment as an application
- Install this deployment as a library
- Install this deployment as an application, but target the components individually

Figure 1-22 Installation Type



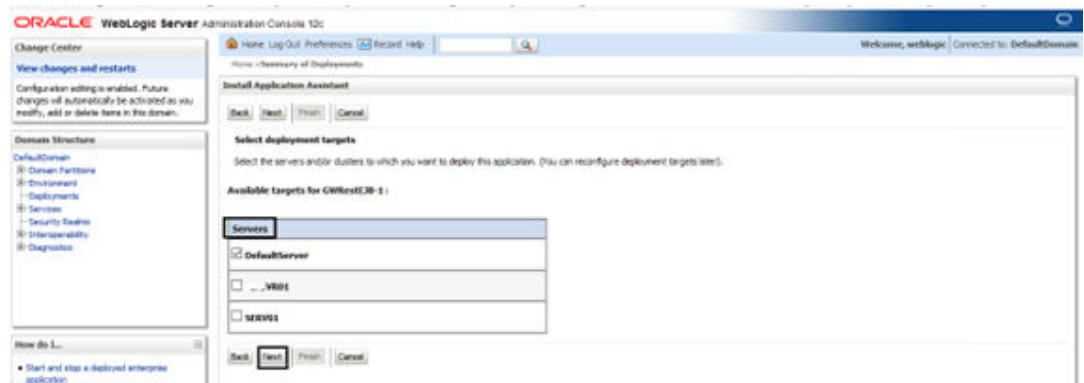
12. Select a **Scope** in which you want to install the deployment.

Figure 1-23 Scope



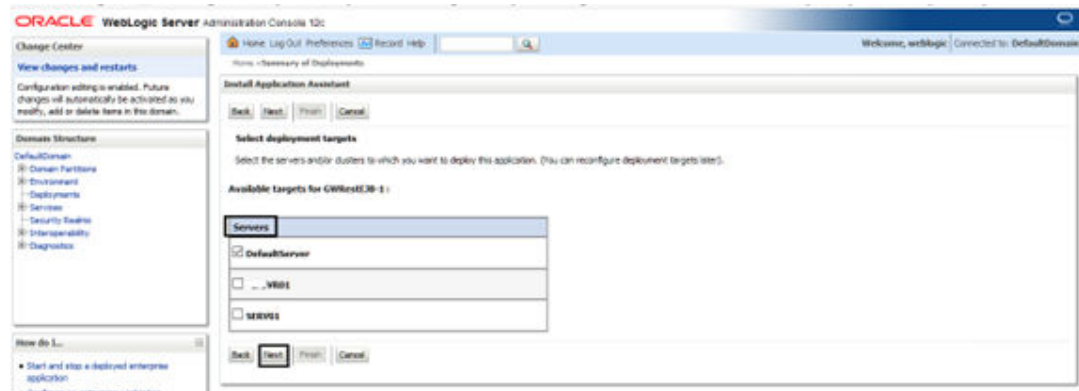
13. Click **Next** to select deployment targets.

Figure 1-24 Select Deployment Targets



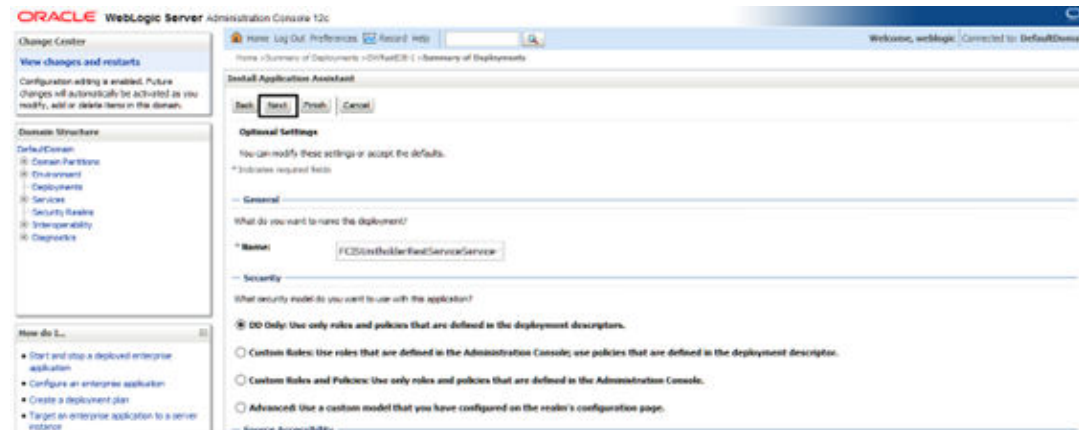
14. Select the appropriate server where you want to deploy the EAR.
The following screen is displayed.

Figure 1-25 Servers



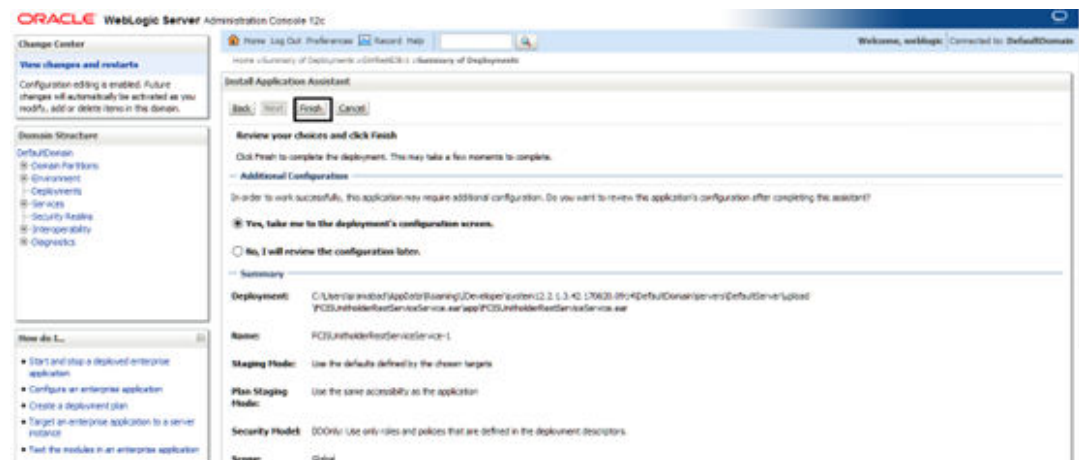
15. Click **Next** to modify or accept the default details such as Name, Security, and Source Accessibility.

Figure 1-26 Deployment Settings



16. Click **Finish** to complete the deployment.
The following screen is displayed.

Figure 1-27 Click Finish Button



17. Click **Save**.

On successful updation, below message is displayed All changes have been activated. No restarts are necessary.

The following screen is displayed.

Figure 1-28 Click Save

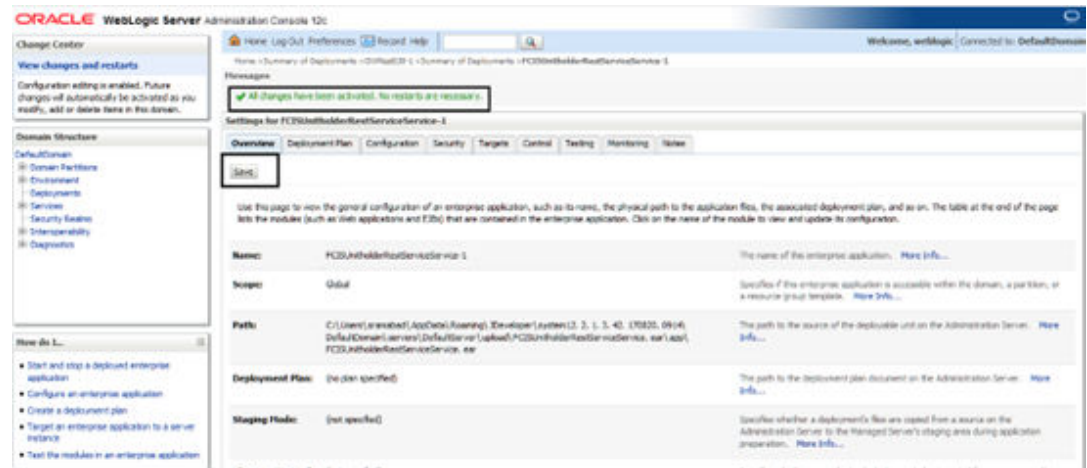
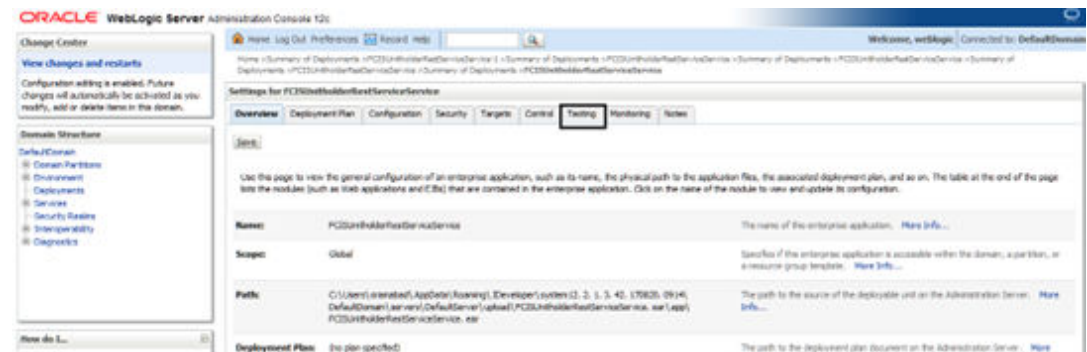
18. Click **Testing** tab to get wadl link.

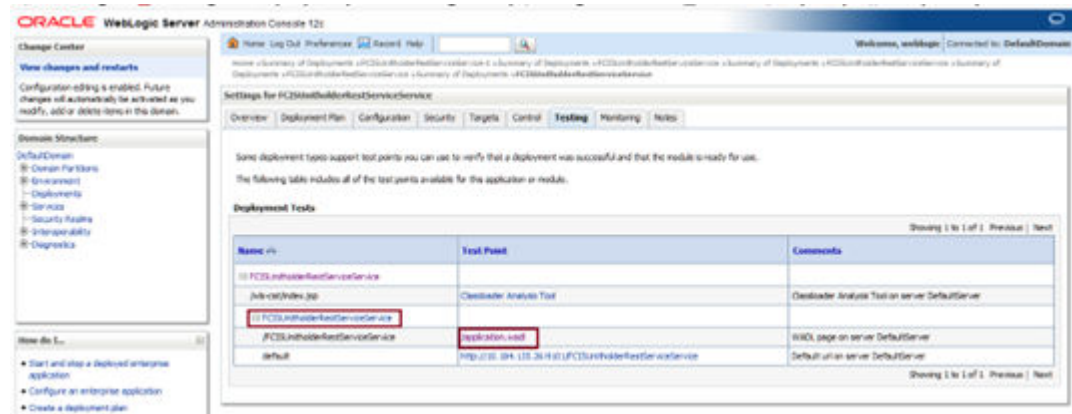
Figure 1-29 Testing Tab



19. Select the servicename and click /application.wadl in the deployment tests table.

Some deployment types support test points, that can be used to verify that a deployment was successful and that the module is ready for use.

Figure 1-30 Deployment Tests



1.3 Enable Logs for REST Application

This topic provides the systematic instructions to enable logging properties need to be set in the logging.xml.

Log File

All the logs are stored in the file `ofss-rest-api.log` once the parameters are set.

Provide the below entry in the file, `{domain.home}\config\fmwconfig\servers\{server.name}\logging.xml`.

Syntax

```
<log_handler name='ofss-handler'
class='oracle.core.ojdl.logging.ODLHandlerFactory' level='TRACE:1'>
```

<property name='path'

```
value='${domain.home}/servers/${weblogic.Name}/logs/ofss-rest-api.log' />
```

```
<property name='maxFileSize' value='10485760' />
```

```
<property name='maxLogSize' value='104857600' />
```

```
<property name='encoding' value='UTF-8' />
```

```
<property name='useThreadName' value='true' />
```

<property name='supplementalAttributes'

```
value='DSID,J2EE_APP.name,J2EE_MODULE.name,WEBSERVICE.name,WEBSERVICE_PORT.
name,oracle.soa.tracking.FlowId,oracle.soa.tracking.InstanceId,oracle.soa.trackin
g.SCAEntityId,oracle .soa.tracking.FaultId,oracle.soa.tracking.RetryCount,composi
te_name' />
```

```
</log_handler>
```

```
<logger name='com.ofss' level='TRACE:1' useParentHandlers='false'>
```

```
<handler name='ofss-handler' />
```

```
</logger>
```