

REST API Services Deployment in WebLogic
Oracle FLEXCUBE Investor Servicing
Release 14.7.2.0.0
[May] [2023]



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1. Oracle FLEXCUBE Investor Servicing Solutions

1.1 Introduction

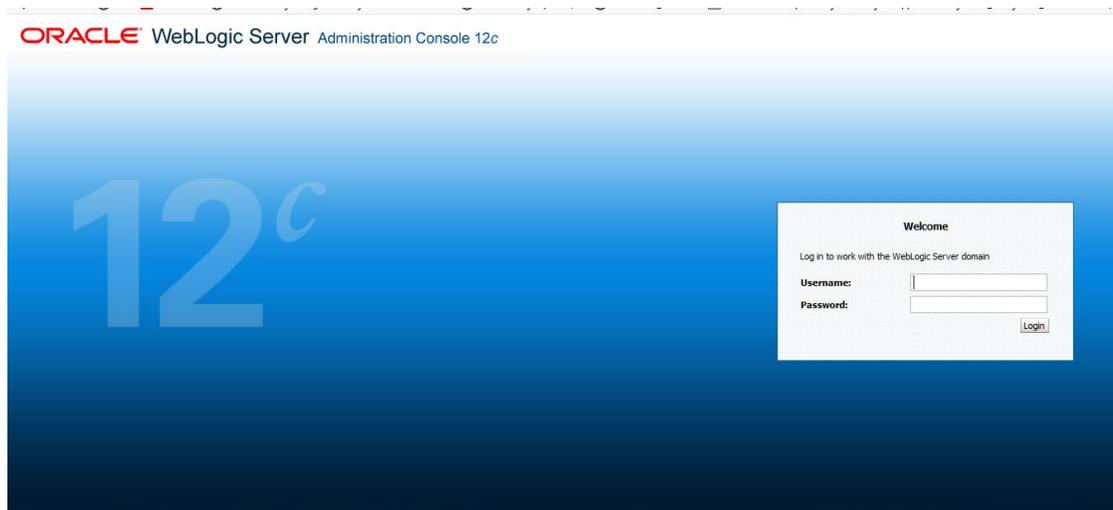
This document describes step to install REST Services into WebLogic application server in full.

1.2 Prerequisite

Before deploying the EAR, please create a Datasource **jdbc/FCJDevDSSMS** that will be referring to the API DB. More details of creating the data source can be found in the Resource Creation document.

1.3 REST EJB Services Full Deployment

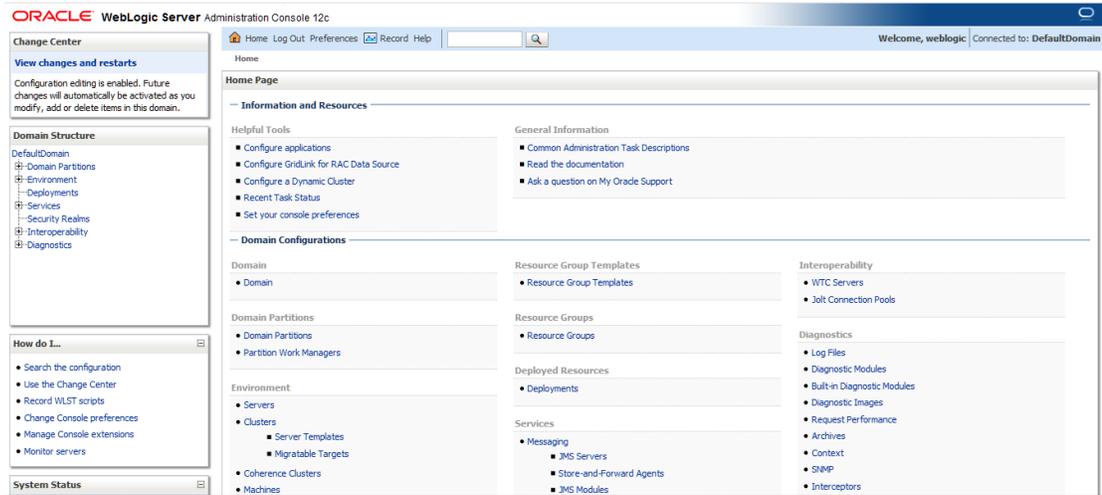
1. Launch WebLogic console, the following screen is displayed



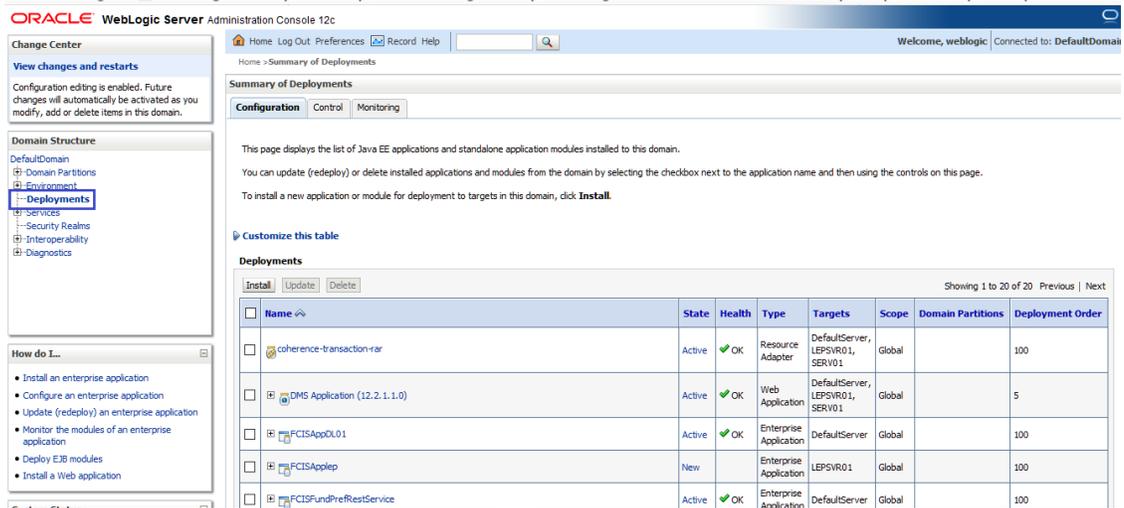
Username: Enter WebLogic user name

Password: Enter password for WebLogic

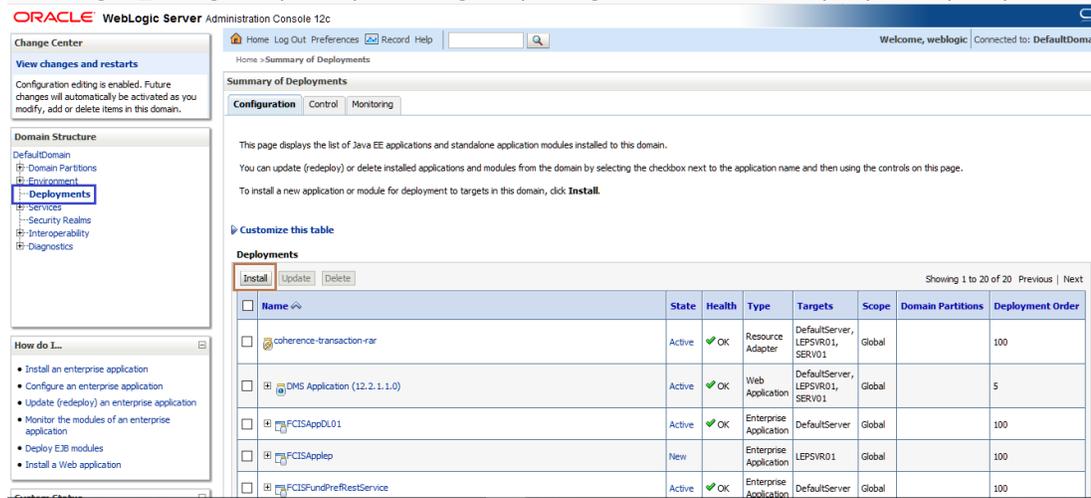
2. Click on 'Login' and the following screen is displayed:



3. Following screen will be displayed once Deployments is selected from 'Domain Structure'.



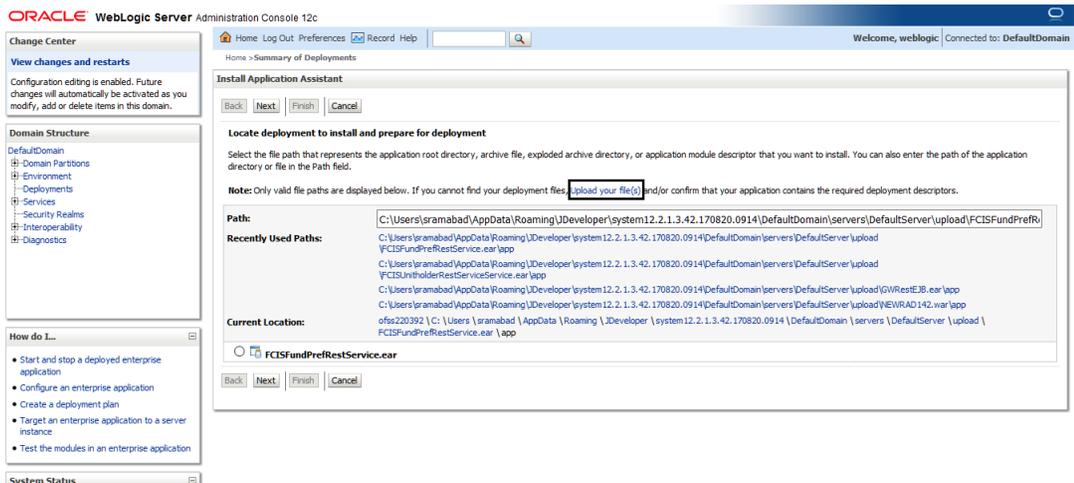
4. Click 'Install' from the Deployments following screen will be displayed.



Path

Enter the complete path of the EAR

5. Click on 'Next' and the following screen is displayed:



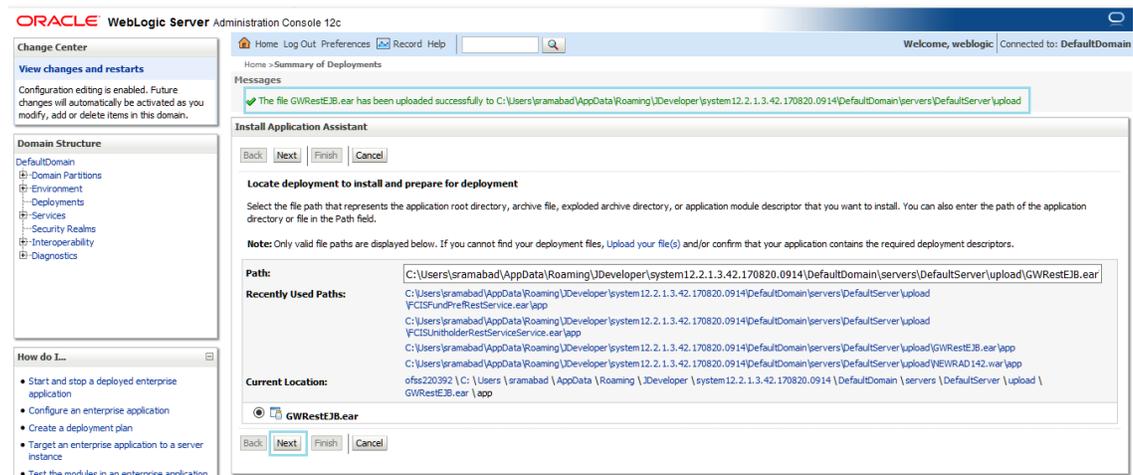
6. Click on 'Next' and the following screen is displayed:

The screenshot shows the Oracle WebLogic Server Administration Console 12c interface. The main window is titled "Install Application Assistant" and is part of the "Summary of Deployments" section. The interface includes a navigation pane on the left with "Change Center" and "Domain Structure" sections. The "Change Center" section indicates that configuration editing is enabled. The "Domain Structure" section shows a tree view of the domain hierarchy. The main content area contains the "Install Application Assistant" wizard, which includes a "Back" button, a highlighted "Next" button, and "Finish" and "Cancel" buttons. Below the navigation buttons, there are two sections: "Upload a deployment to the Administration Server" and "Upload a deployment plan (this step is optional)". The "Deployment Archive" field is currently empty, and the "Browse..." button is visible. The "Deployment Plan Archive" field is also empty, and its "Browse..." button is visible. The "Next" button is highlighted, indicating the next step in the process.

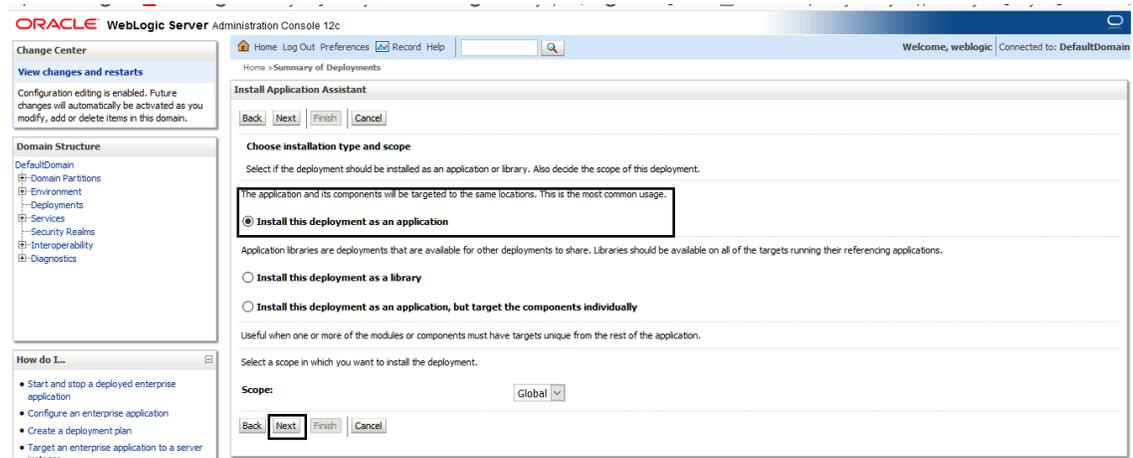
This screenshot shows the same Oracle WebLogic Server Administration Console 12c interface as the previous one, but with the "Deployment Archive" field now containing the text "GWRestEJB.ear". The "Browse..." button next to it is highlighted. The "Next" button in the navigation bar remains highlighted. The rest of the interface, including the navigation pane and the "Upload a deployment plan" section, is identical to the previous screenshot.

This screenshot shows the Oracle WebLogic Server Administration Console 12c interface with the "Deployment Archive" field containing "GWRestEJB.ear". The "Next" button in the navigation bar is now highlighted, indicating the next step in the process. The "Browse..." button next to the "Deployment Archive" field is no longer highlighted. The rest of the interface, including the navigation pane and the "Upload a deployment plan" section, is identical to the previous screenshots.

Click on 'Next' and the following screen is displayed:

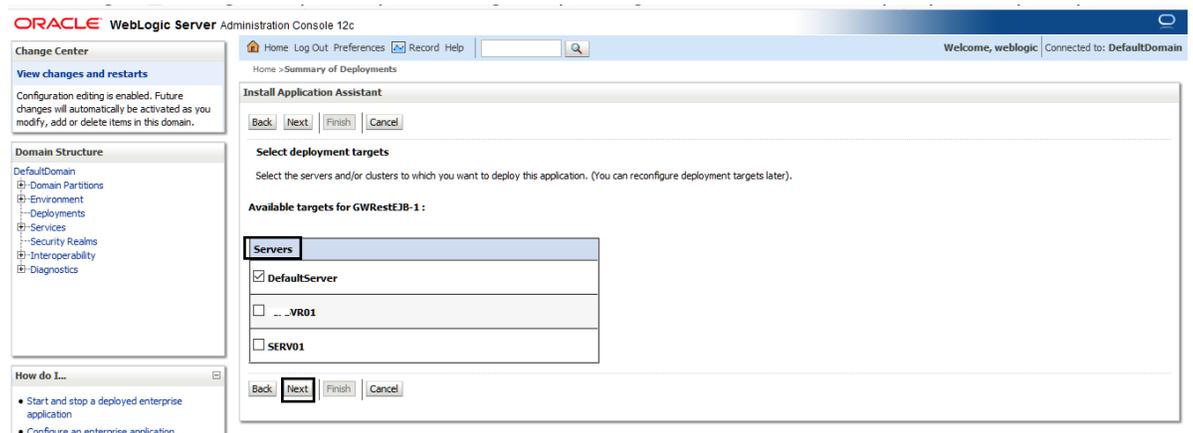


Click on 'Next' and the following screen is displayed

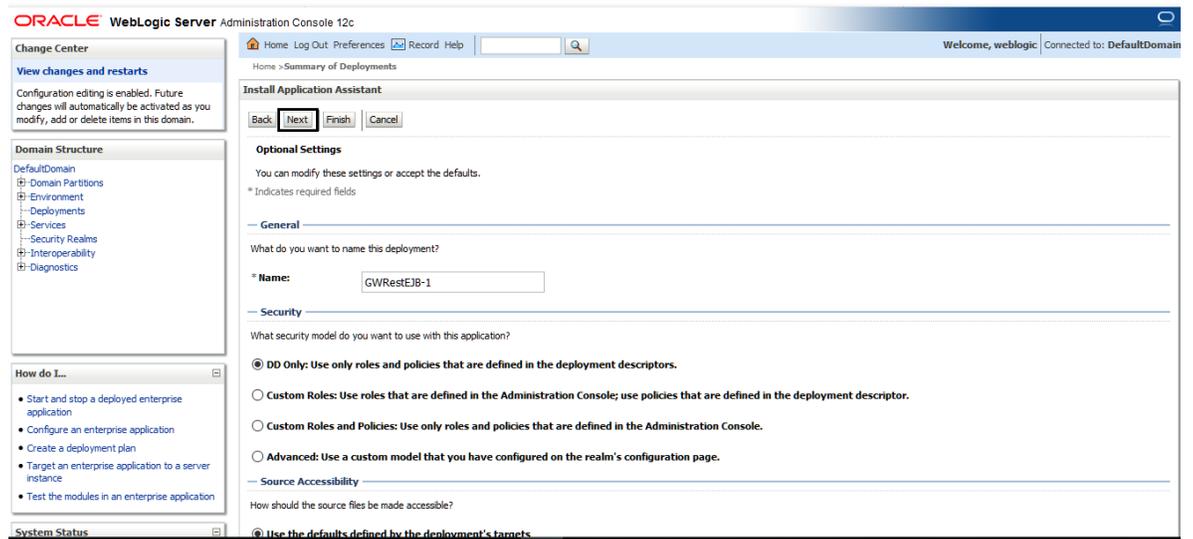


Click on 'Next' and the following screen is displayed

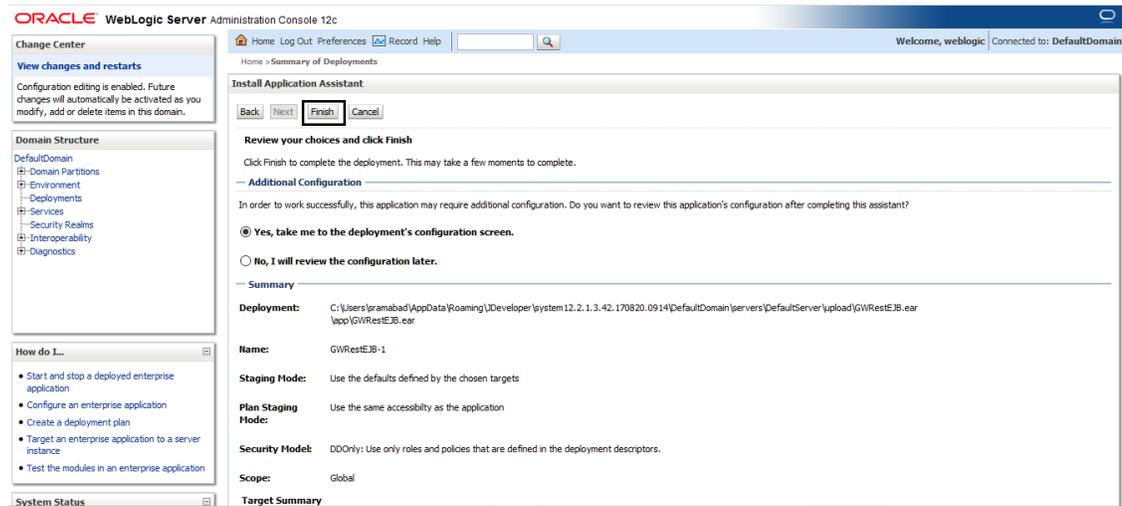
Select correct Server where the EAR to be deployed.



Click on 'Next' and the following screen is displayed

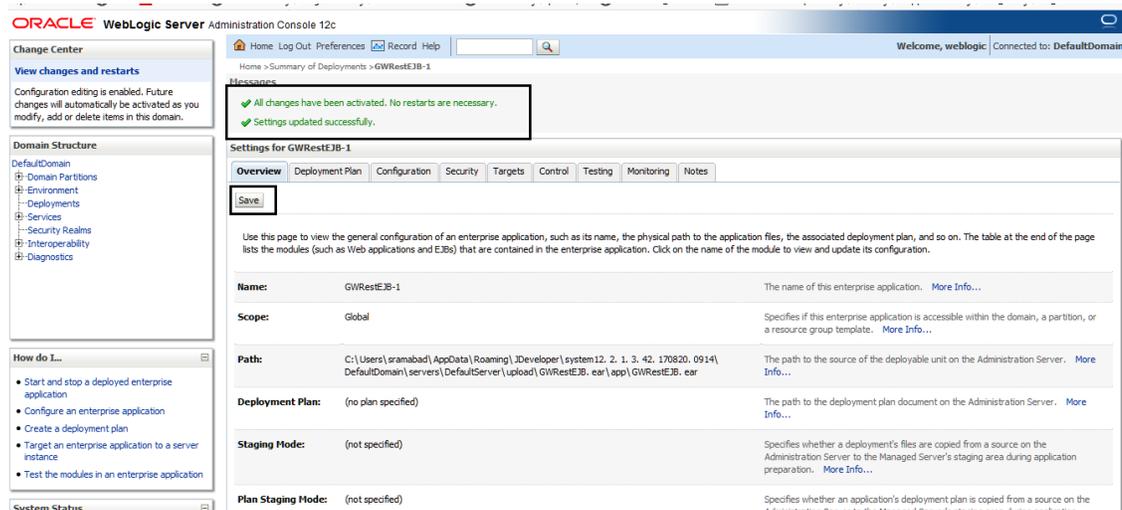


Click on 'Next' and the following screen is displayed



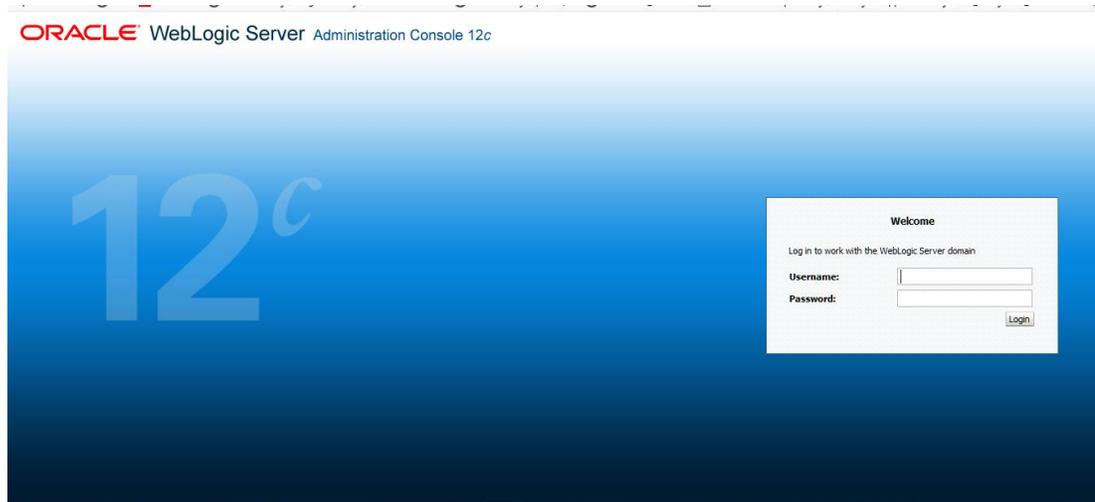
Click on 'Finish' and the following screen is displayed

Click on 'Save' and the following screen is displayed on top it says "All changes have been activated. No restarts are necessary. Settings updated successfully."



1.4 REST Web Services Full Deployment

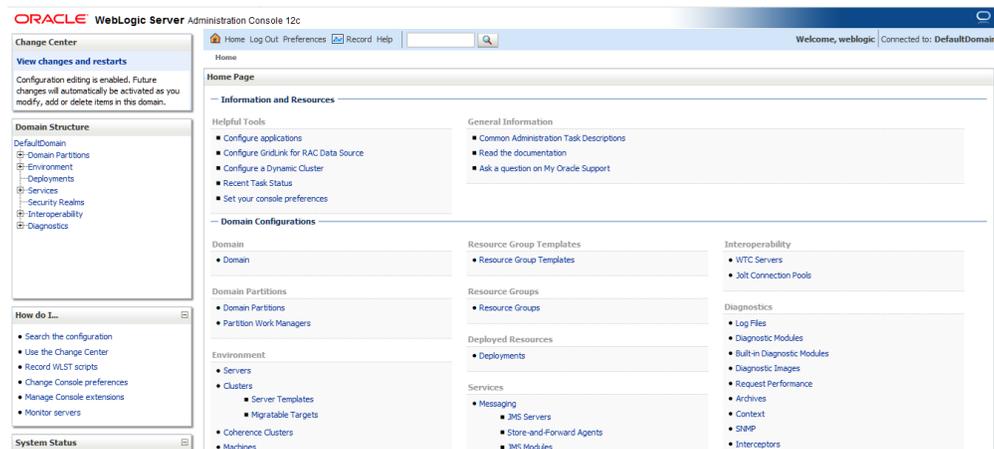
1. Launch WebLogic console, the following screen is displayed.



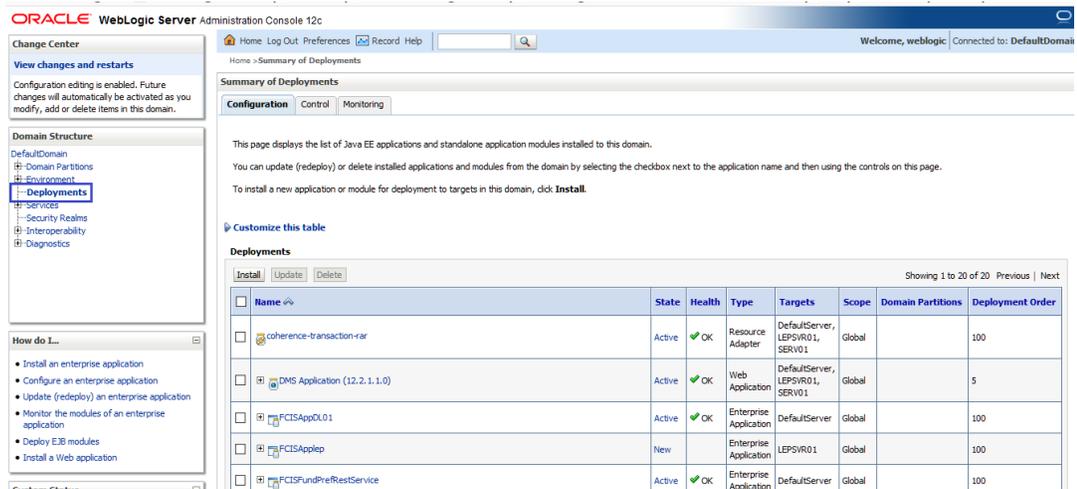
username: Enter WebLogic user name

password: Enter password for WebLogic

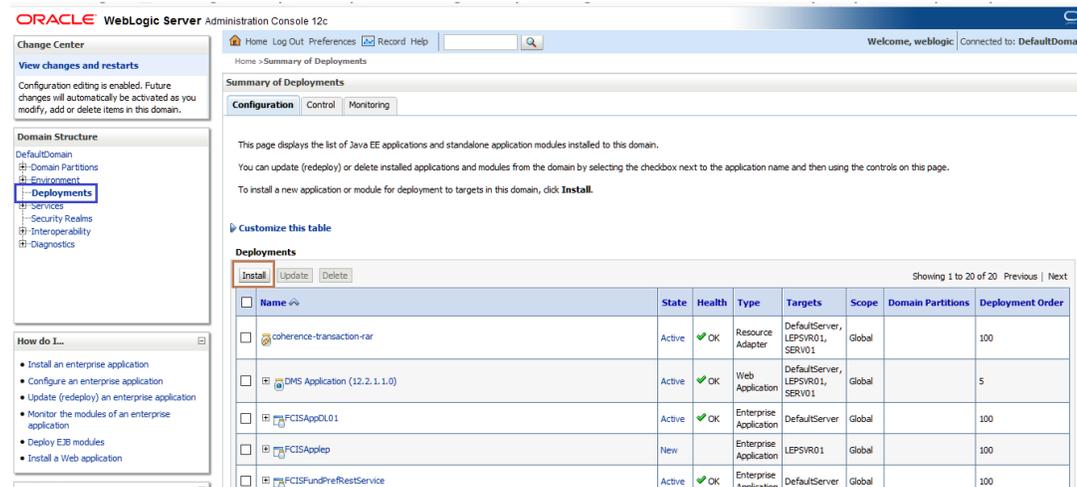
2. Click on 'Login' and the following screen is displayed:



3. Following screen will be displayed once Deployments is selected from 'Domain Structure'.



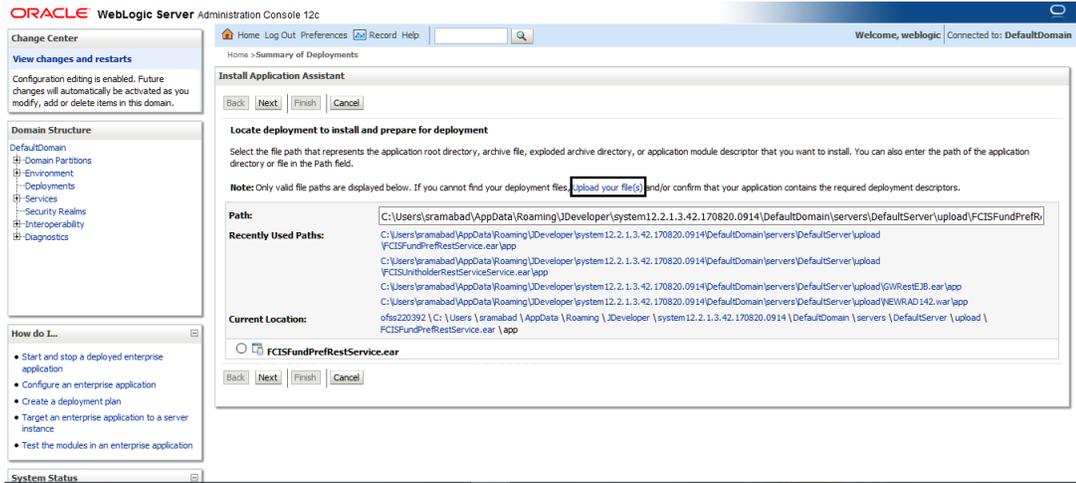
4. Click 'Install' from the Deployments following screen will be displayed.



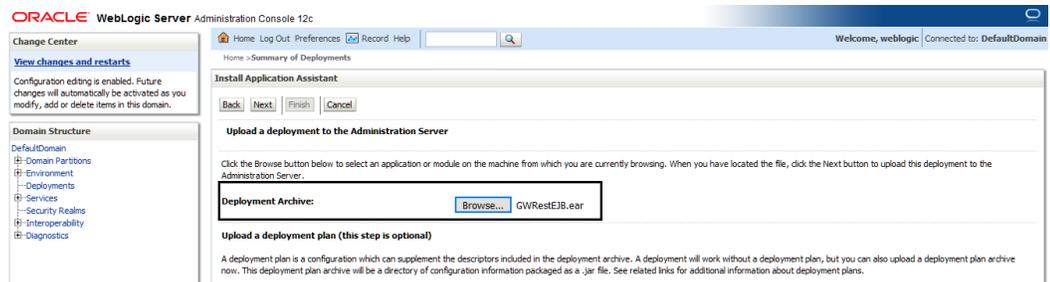
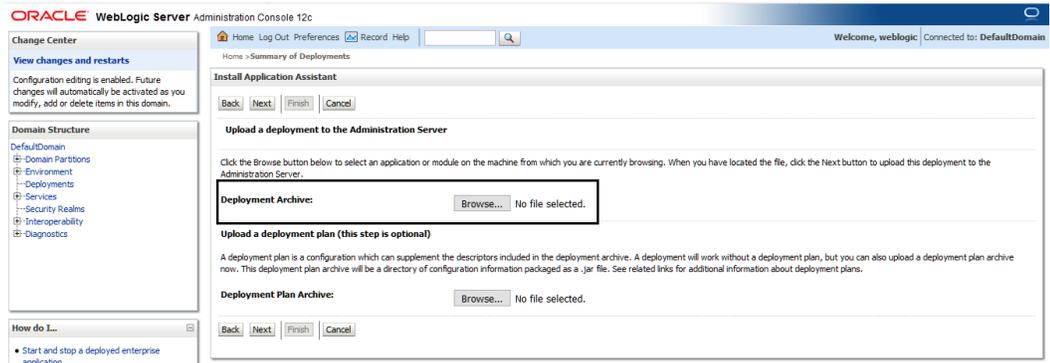
Path

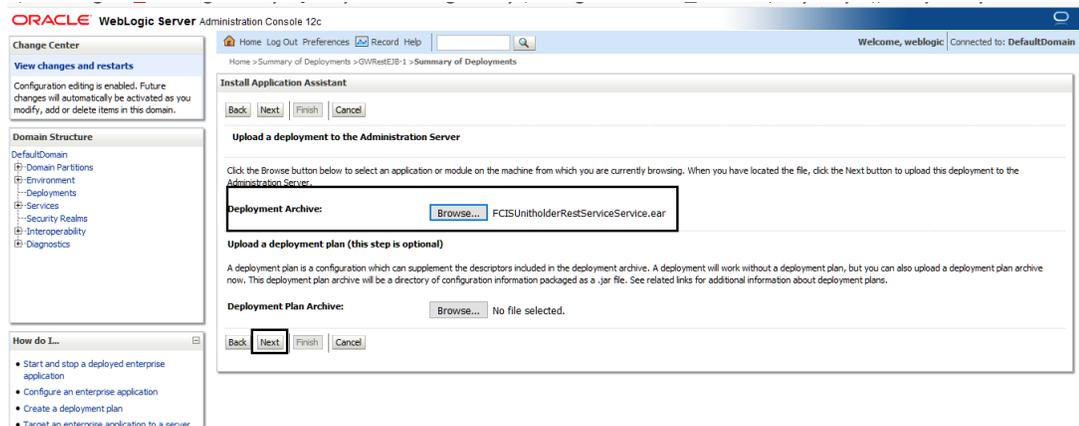
Enter the complete path of the EAR

5. Click on 'Next' and the following screen is displayed:

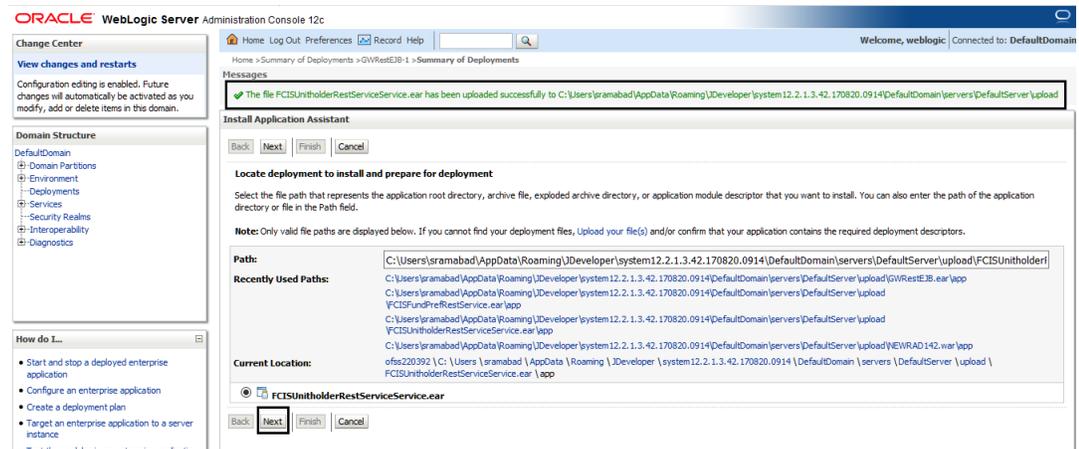


6. Click on 'Next' and the following screen is displayed:

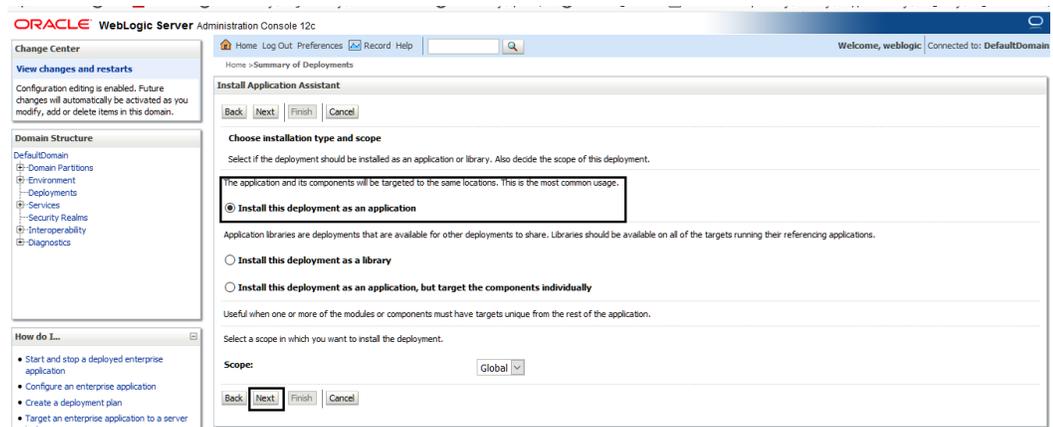




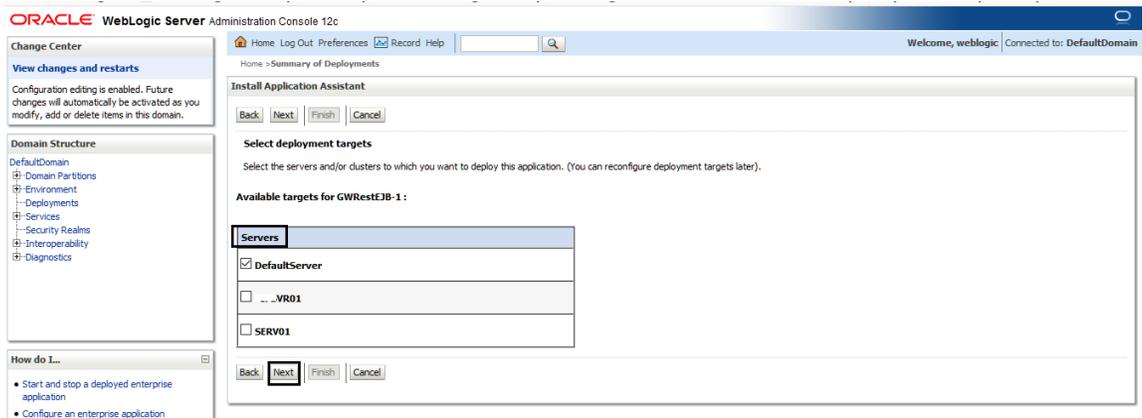
7. Click on 'Next' and the following screen is displayed



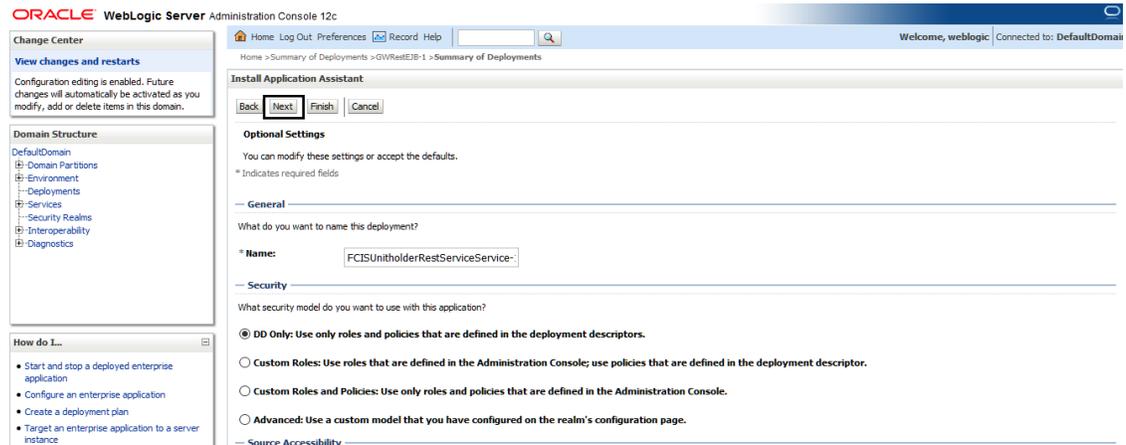
8. Click on 'Next' and the following screen is displayed



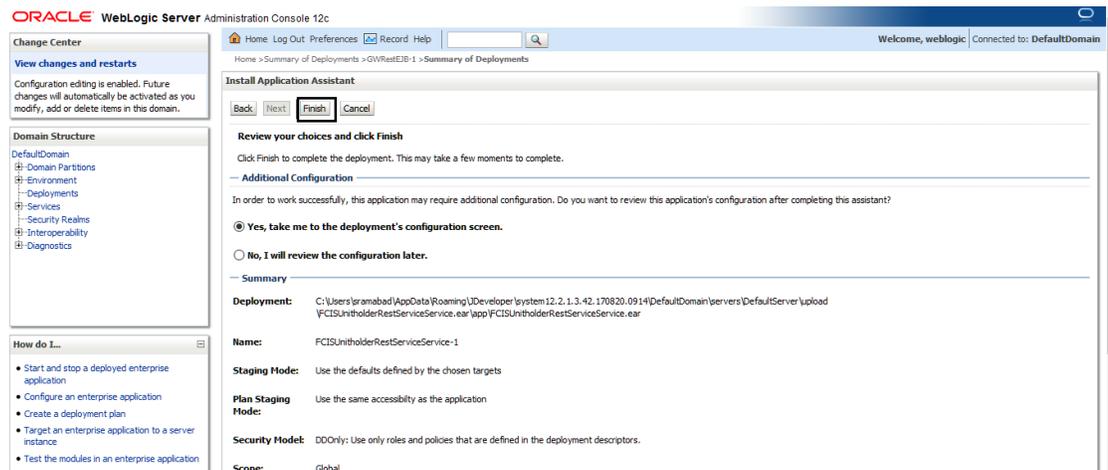
9. Click on 'Next' and the following screen is displayed. Select correct Server where the EAR to be deployed.



10. Click on 'Next' and the following screen is displayed

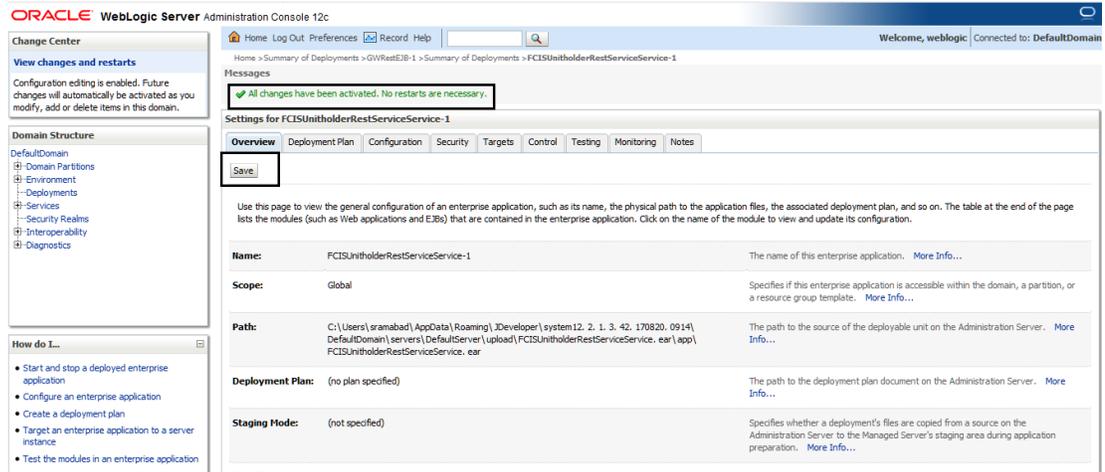


11. Click on 'Next' and the following screen is displayed

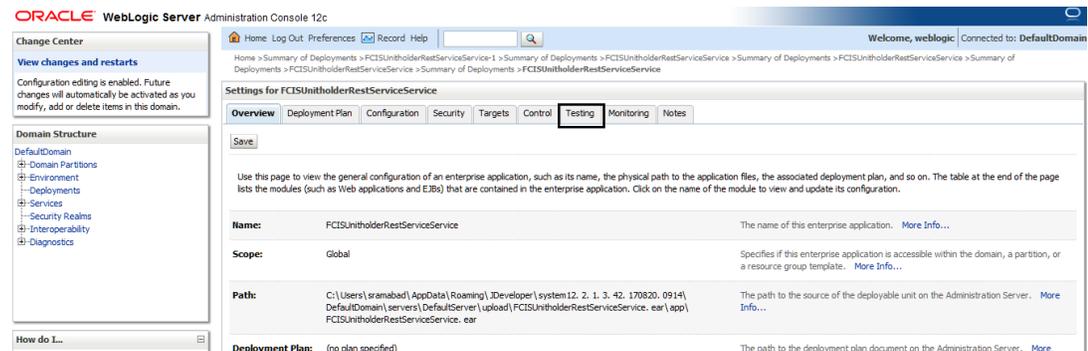


12. Click on 'Finish' and the following screen is displayed

Click on 'Save' and the following screen is displayed on top it says "All changes have been activated. No restarts are necessary. Settings updated successfully."



To get wadl Link. Click Testing tab page



Click Service and click on '/application.wadl'

The screenshot shows the Oracle WebLogic Server Administration Console. The main content area displays the 'Settings for FCSIUntholderRestServiceService' with the 'Testing' tab selected. A table titled 'Deployment Tests' lists available test points. The table has three columns: Name, Test Point, and Comments. The following table represents the data shown in the screenshot:

Name	Test Point	Comments
FCSIUntholderRestServiceService		
/wls-cat/index.jsp	ClassLoader Analysis Tool	ClassLoader Analysis Tool on server DefaultServer
FCSIUntholderRestServiceService	/application.wadl	WADL page on server DefaultServer
default	http://10.184.135.26:9101/FCSIUntholderRestServiceService	Default url on server DefaultServer

1.5 Enabling Logs for REST Application

To enable logging following properties needs to be set in the logging.xml as mentioned below. Once the parameters are set all the logs are stored in the file ofss-rest-api.log.

- Provide the below entry in the file

```
{domain.home}\config\fmwconfig\servers\{server.name}\logging.xml
```

```
<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.tracking.SCAEntityId,oracle.soa.tracking.FaultId,oracle.soa.tracking.RetryCount,composite_name' />
```

```
</log_handler>
```

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

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

```
</logger>
```



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