

REST API Services Deployment in WebLogic
Oracle FLEXCUBE Investor Servicing
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[January] [2019]



Table of Contents

1.	ORACLE FLEXCUBE INVESTOR SERVICING SOLUTIONS	1-1
1.1	INTRODUCTION	1-1
1.2	PREREQUISITE	1-1
1.3	REST EJB SERVICES FULL DEPLOYMENT.....	1-1
1.4	REST WEB SERVICES FULL DEPLOYMENT	1-6
1.5	ENABLING LOGS FOR REST APPLICATION.....	1-12

1. Oracle FLEXCUBE Investor Servicing Solutions

1.1 Introduction

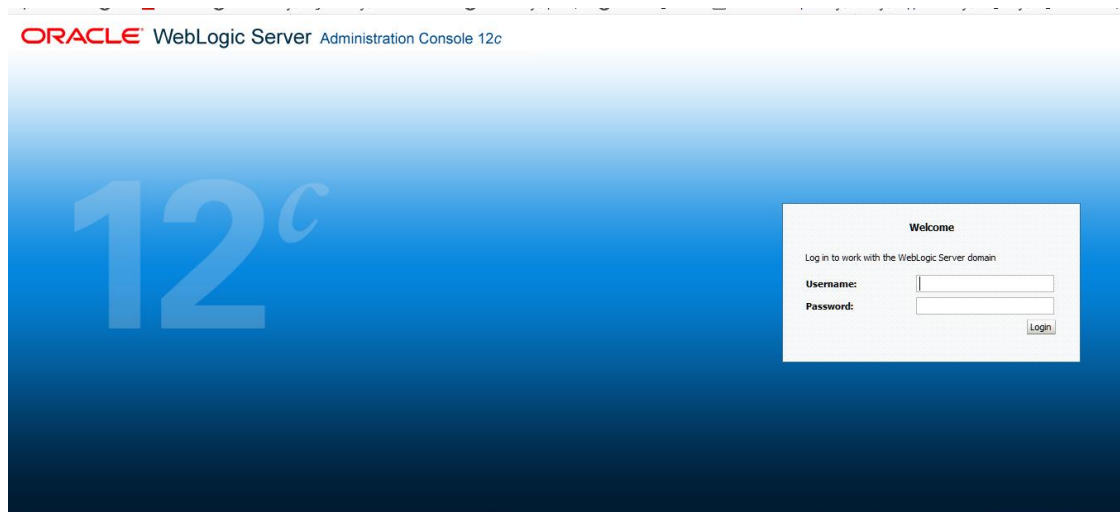
This document describes step to install REST Services into WebLogic application server in full.

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

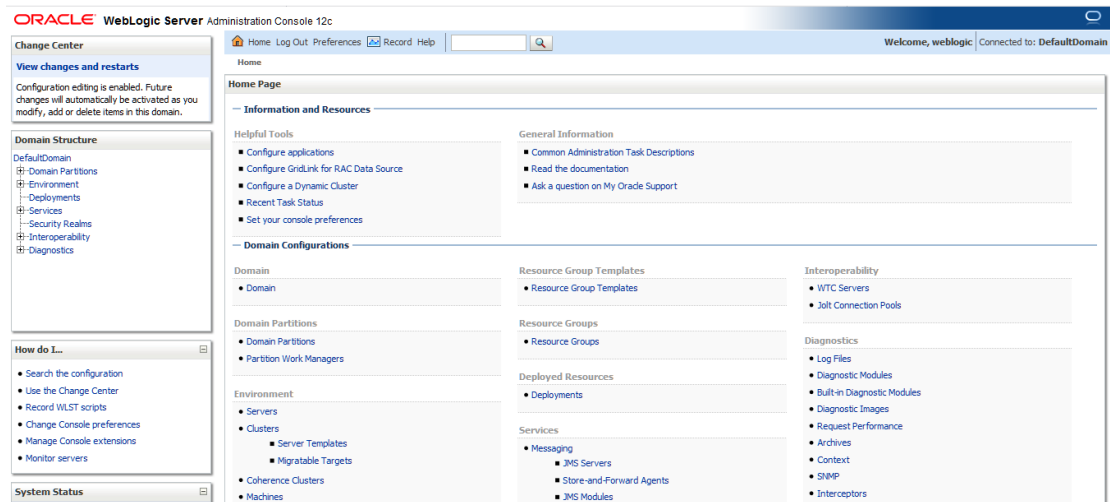
1. Launch WebLogic console, the following screen is displayed



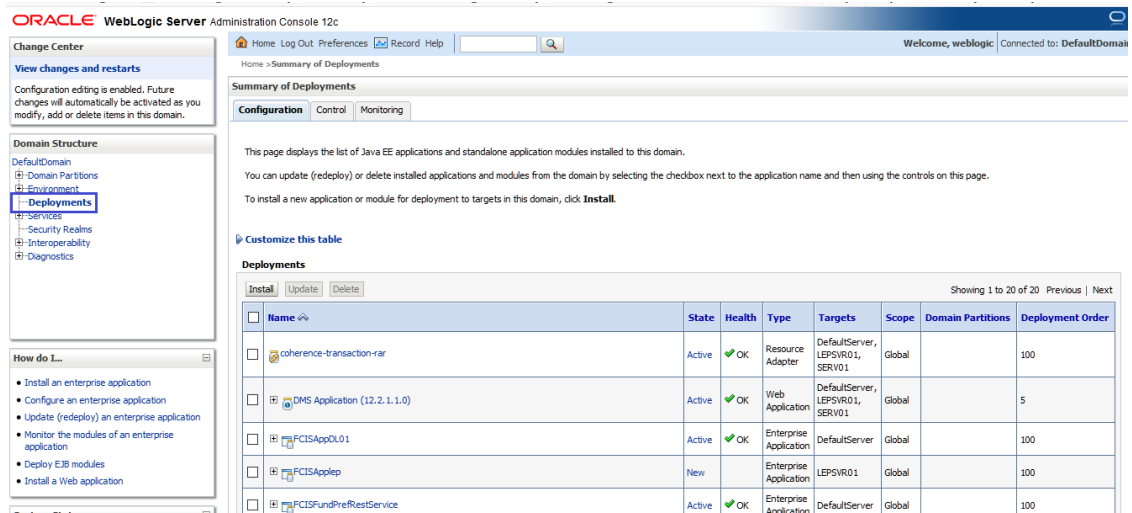
Username: Enter WebLogic user name

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.

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar contains navigation options like 'Change Center', 'Domain Structure', and 'How do I...'. The main area is titled 'Summary of Deployments' and includes a table of installed applications. The 'Install' button is highlighted in the table's header row.

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
coherence-transaction-rar	Active	OK	Resource Adapter	DefaultServer, LEPSVR01, SERV01	Global		100
DMS Application (12.2.1.1.0)	Active	OK	Web Application	DefaultServer, LEPSVR01, SERV01	Global		5
FCISAppDL01	Active	OK	Enterprise Application	DefaultServer	Global		100
FCISApplep	New		Enterprise Application	LEPSVR01	Global		100
FCISFundPreRestService	Active	OK	Enterprise Application	DefaultServer	Global		100

Path

Enter the complete path of the EAR

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

The screenshot shows the 'Install Application Assistant' dialog box. It prompts the user to 'Locate deployment to install and prepare for deployment' and provides a text field for the file path. The 'Next' button is highlighted.

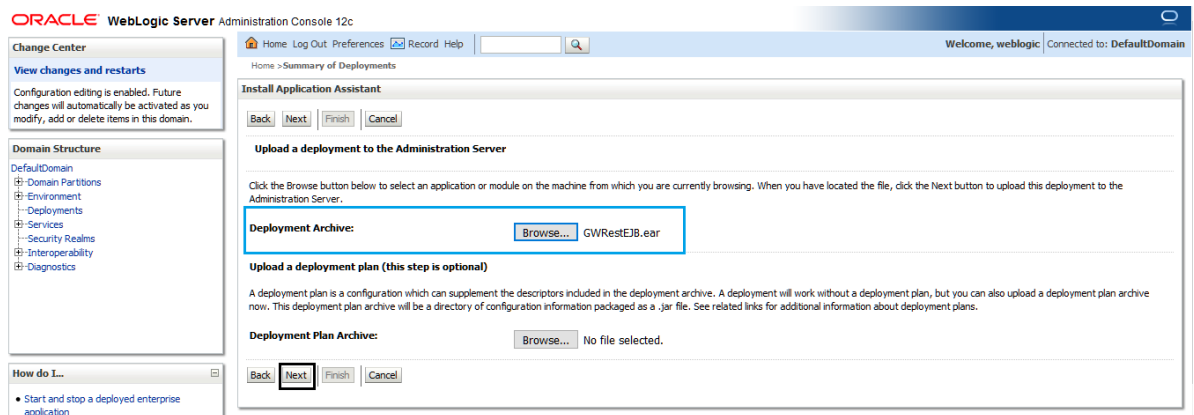
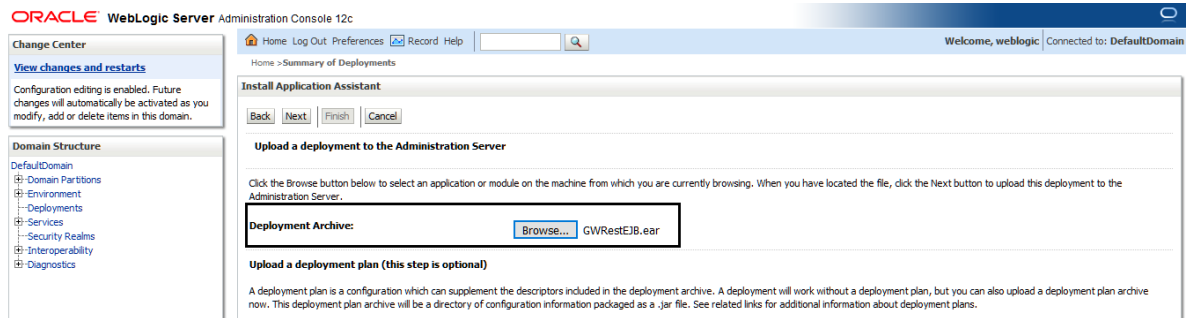
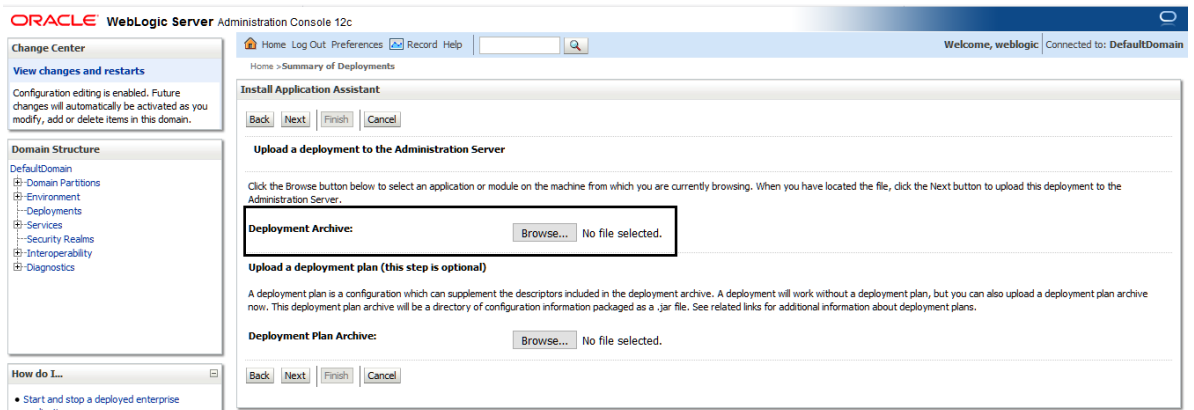
Path: C:\Users\sramabad\AppData\Roaming\Developer\system12.2.1.3.42.170820.0914\DefaultDomain\servers\DefaultServer\upload\FCISFundPreR...

Recently Used Paths:

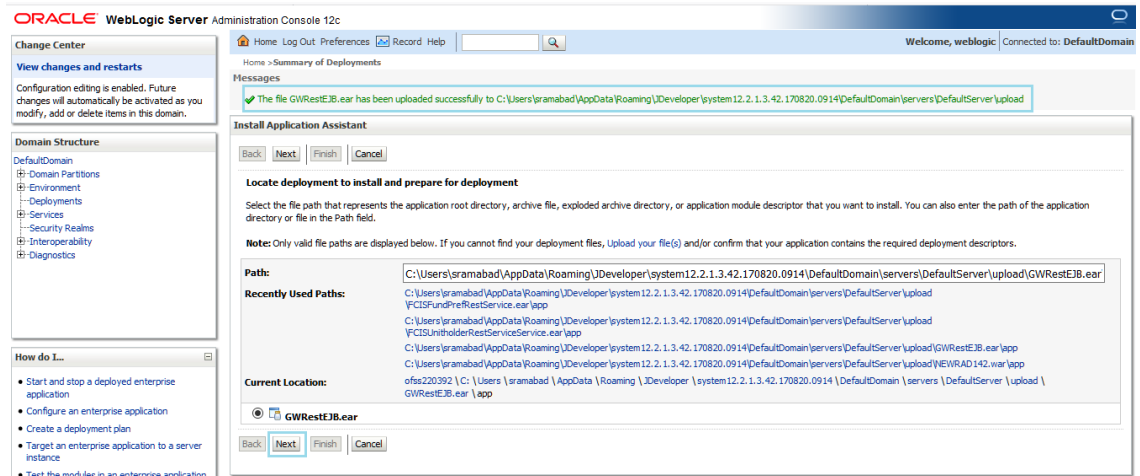
- C:\Users\sramabad\AppData\Roaming\Developer\system12.2.1.3.42.170820.0914\DefaultDomain\servers\DefaultServer\upload\FCISFundPreRestService.ear\app
- C:\Users\sramabad\AppData\Roaming\Developer\system12.2.1.3.42.170820.0914\DefaultDomain\servers\DefaultServer\upload\FCISUntholderRestServiceService.ear\app
- C:\Users\sramabad\AppData\Roaming\Developer\system12.2.1.3.42.170820.0914\DefaultDomain\servers\DefaultServer\upload\GWRestEJB.ear\app
- C:\Users\sramabad\AppData\Roaming\Developer\system12.2.1.3.42.170820.0914\DefaultDomain\servers\DefaultServer\upload\NEWRAD142.war\app
- offss220392 | C:\Users\sramabad\AppData\Roaming\Developer\system12.2.1.3.42.170820.0914\DefaultDomain\servers\DefaultServer\upload\FCISFundPreRestService.ear\app

Current Location: FCISFundPreRestService.ear

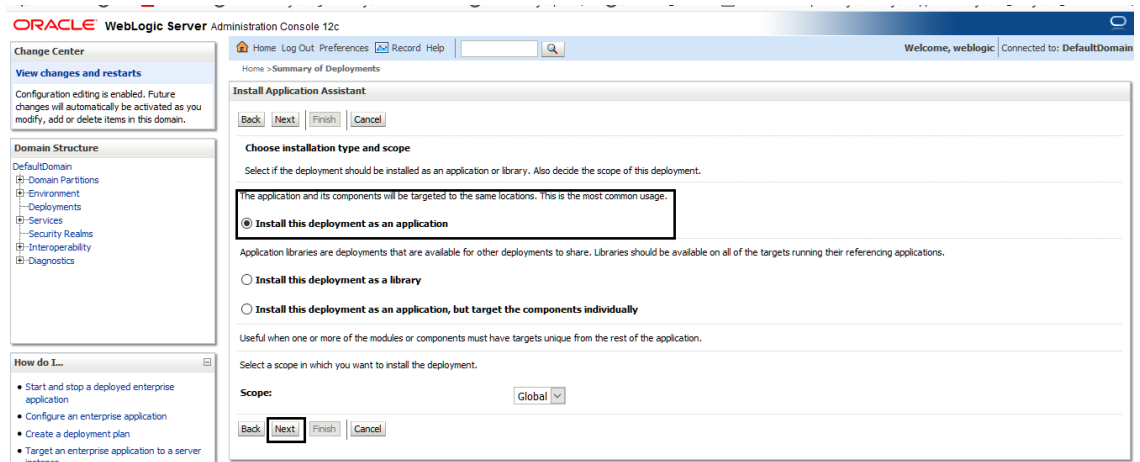
6. Click on 'Next' and the following screen is displayed:



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

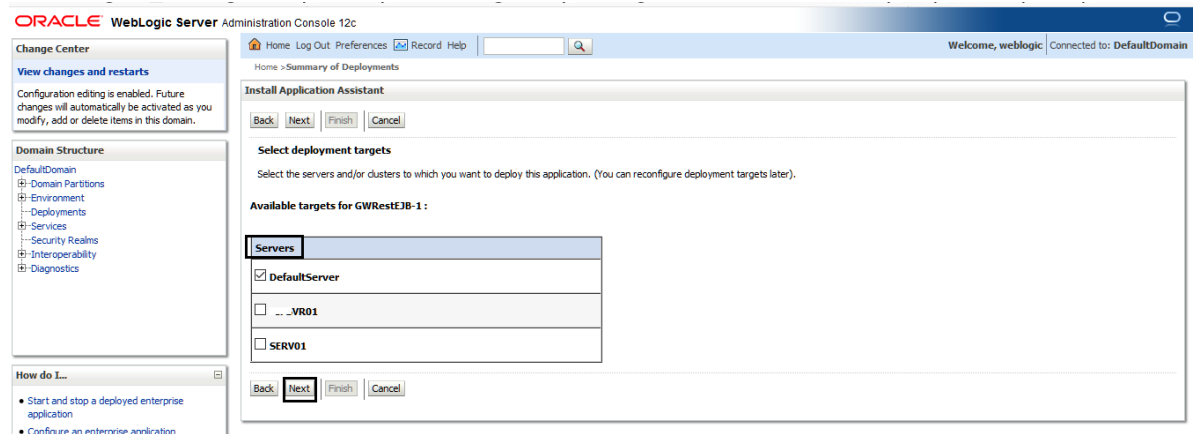


Click on 'Next' and the following screen is displayed

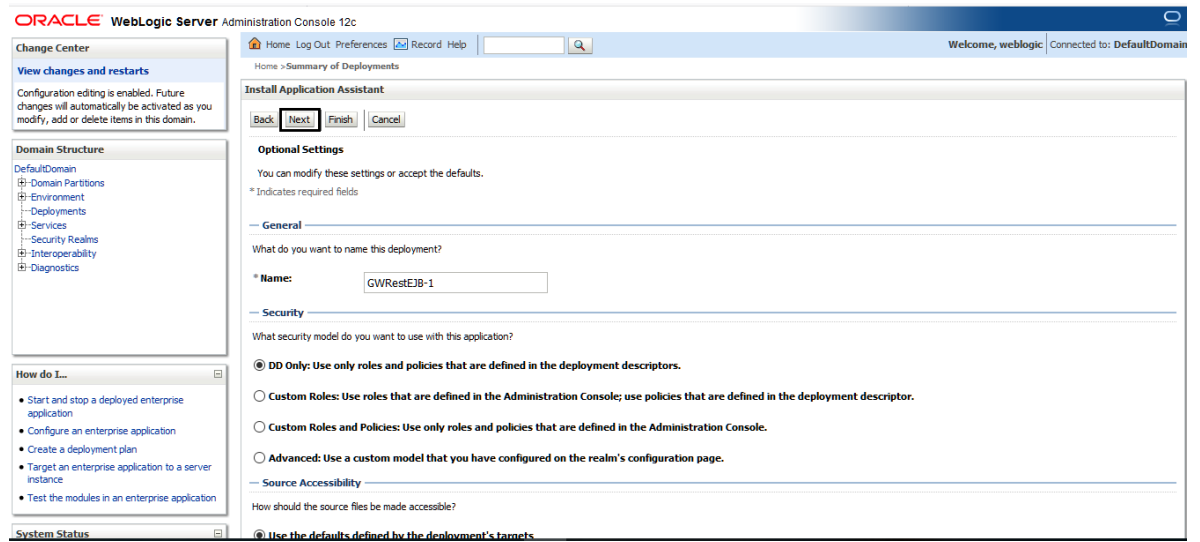


Click on 'Next' and the following screen is displayed

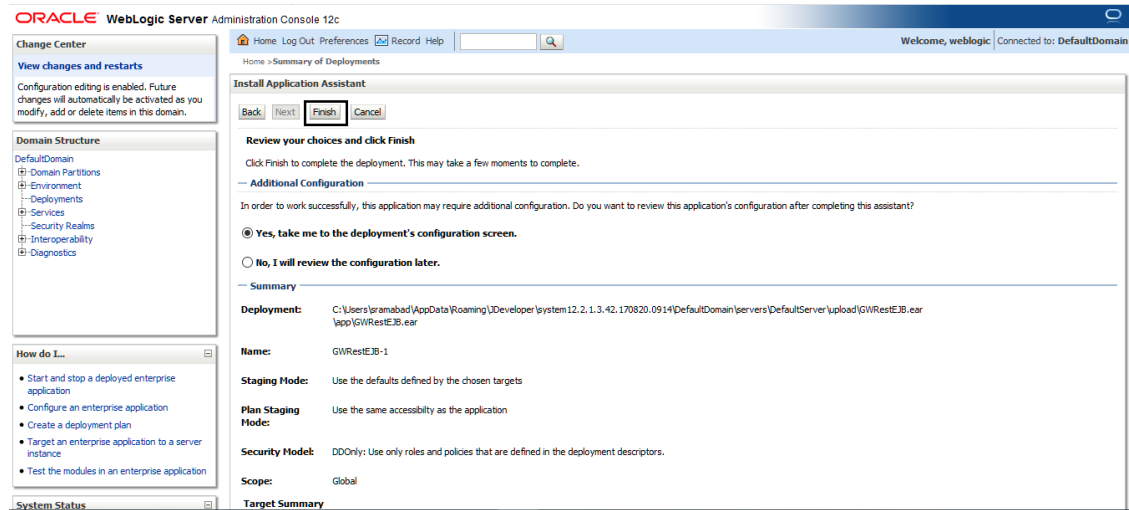
Select correct Server where the EAR to be deployed.



Click on 'Next' and the following screen is displayed

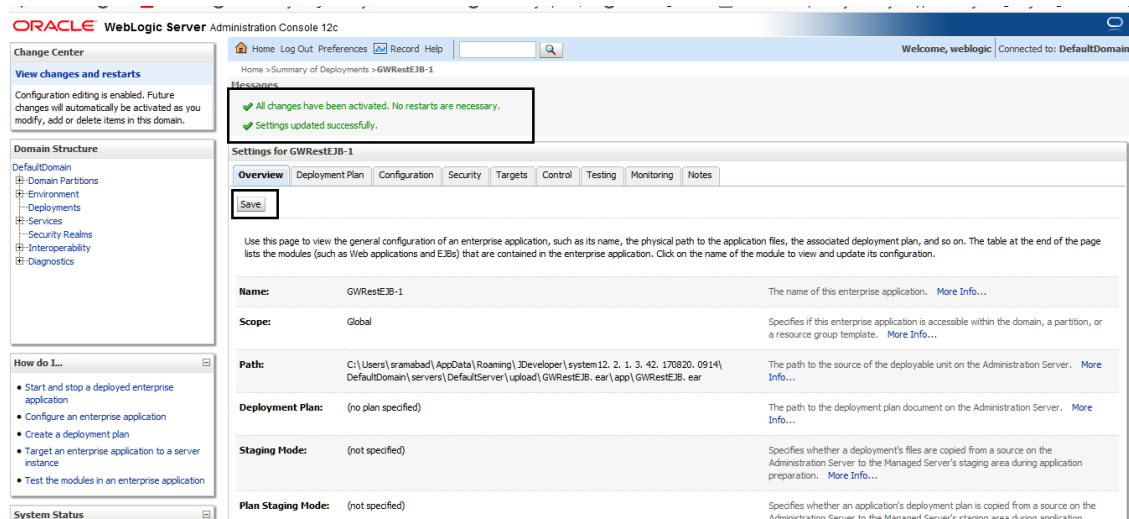


Click on 'Next' and the following screen is displayed



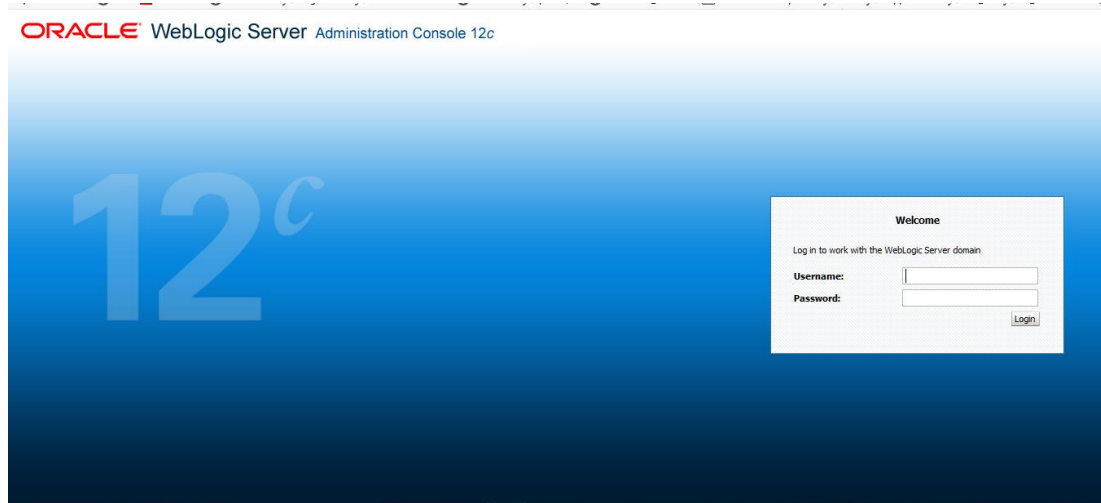
Click on 'Finish' and the following screen is displayed

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

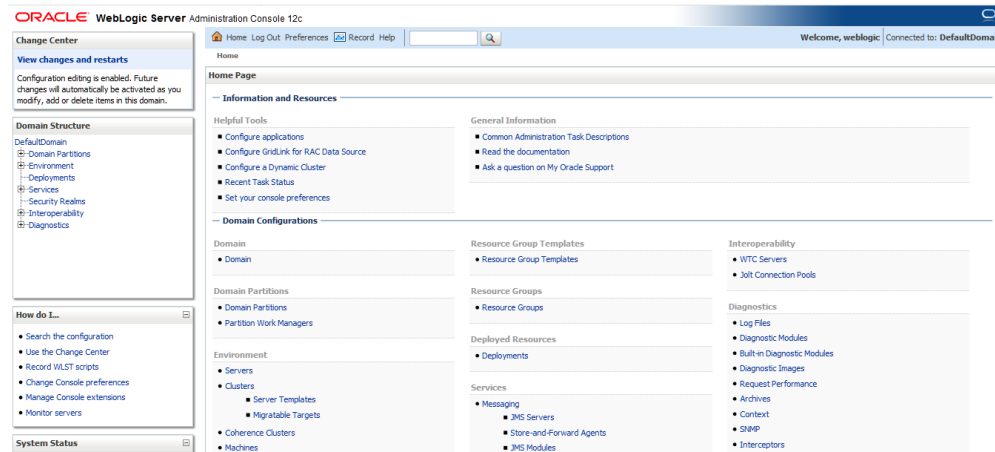
1. Launch WebLogic console, the following screen is displayed.



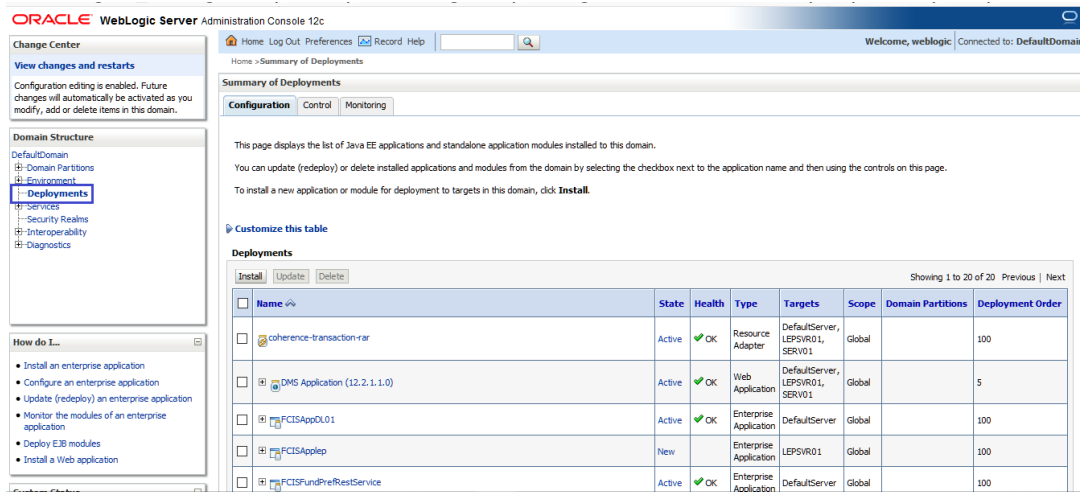
username: Enter WebLogic user name

password: Enter password for WebLogic

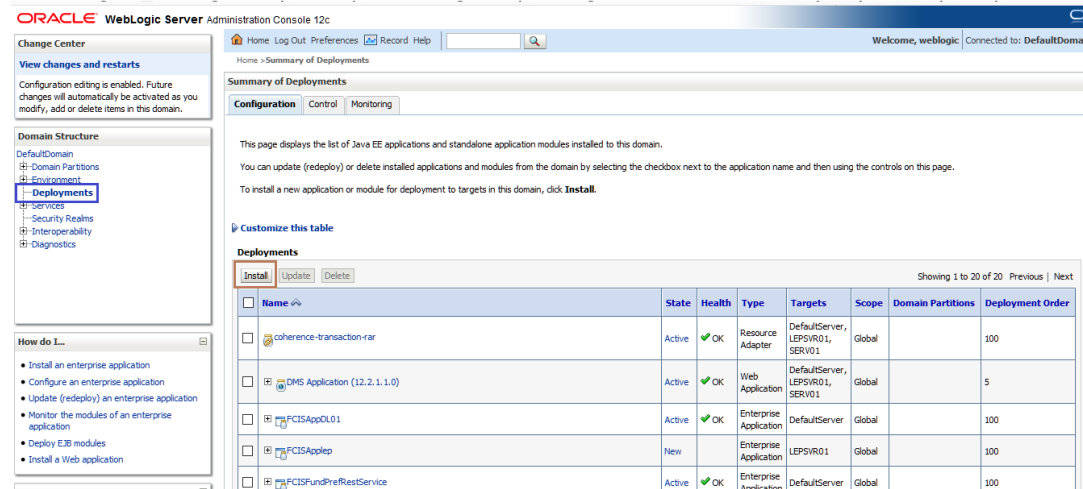
2. Click on 'Login' and the following screen is displayed:



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



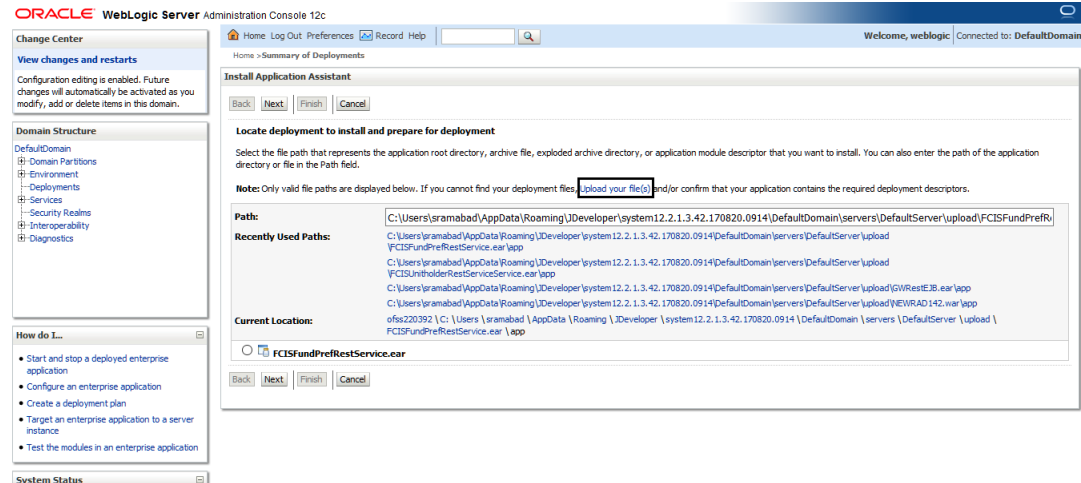
4. Click 'Install' from the Deployments following screen will be displayed.



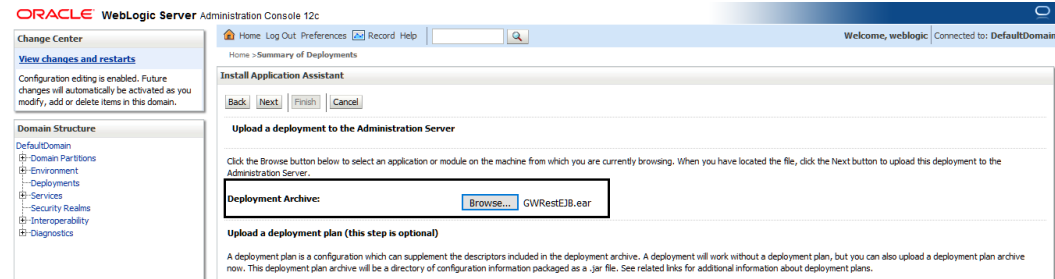
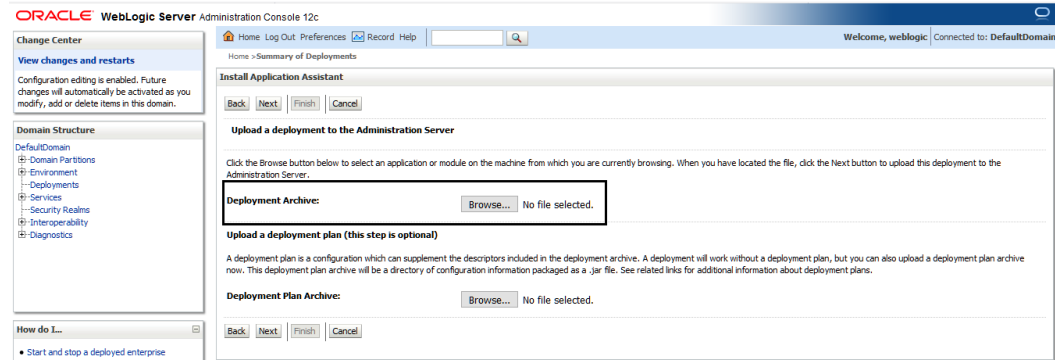
Path

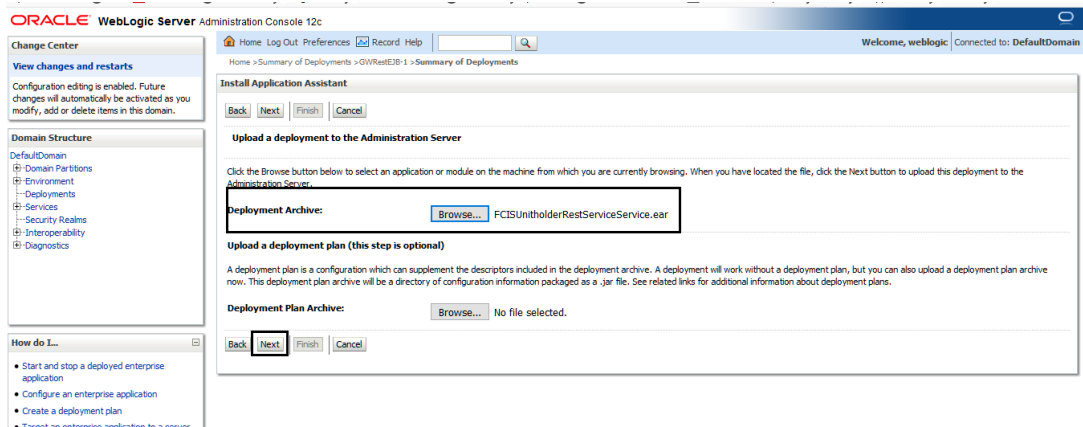
Enter the complete path of the EAR

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

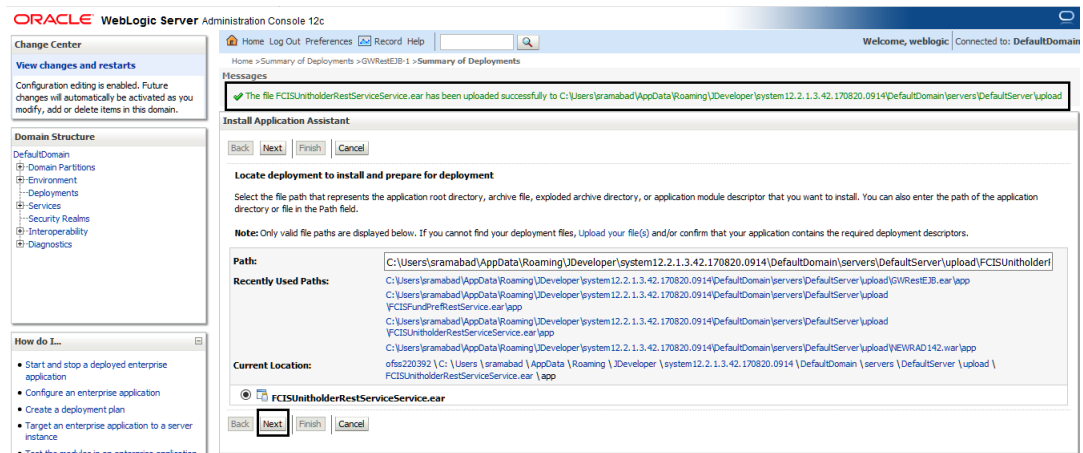


6. Click on 'Next' and the following screen is displayed:

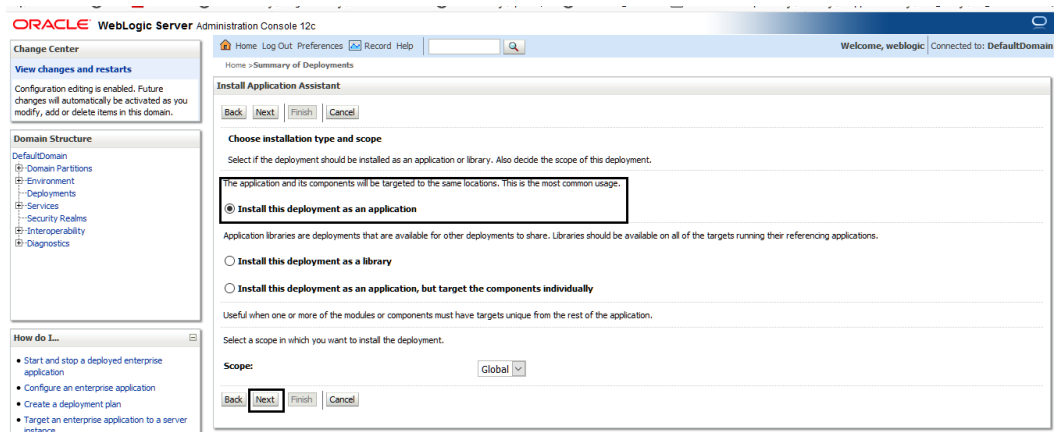




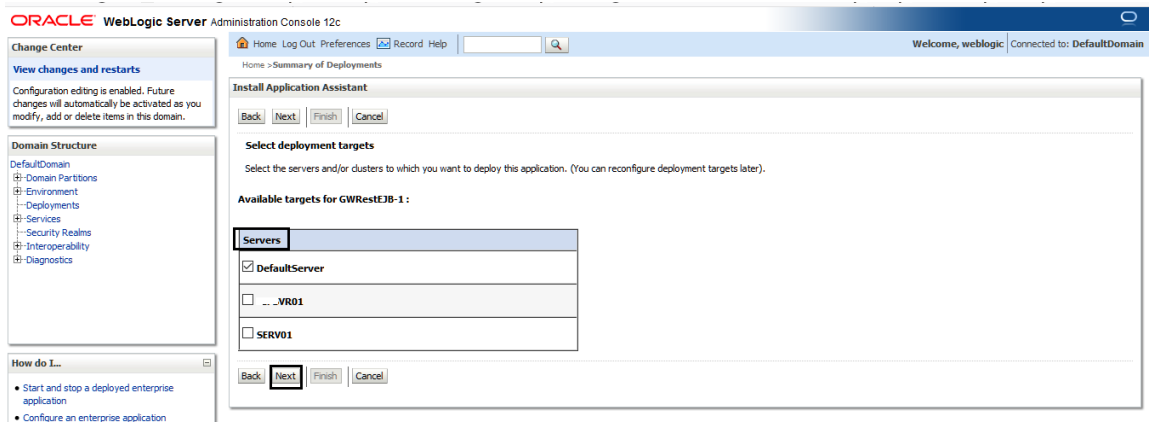
7. Click on 'Next' and the following screen is displayed



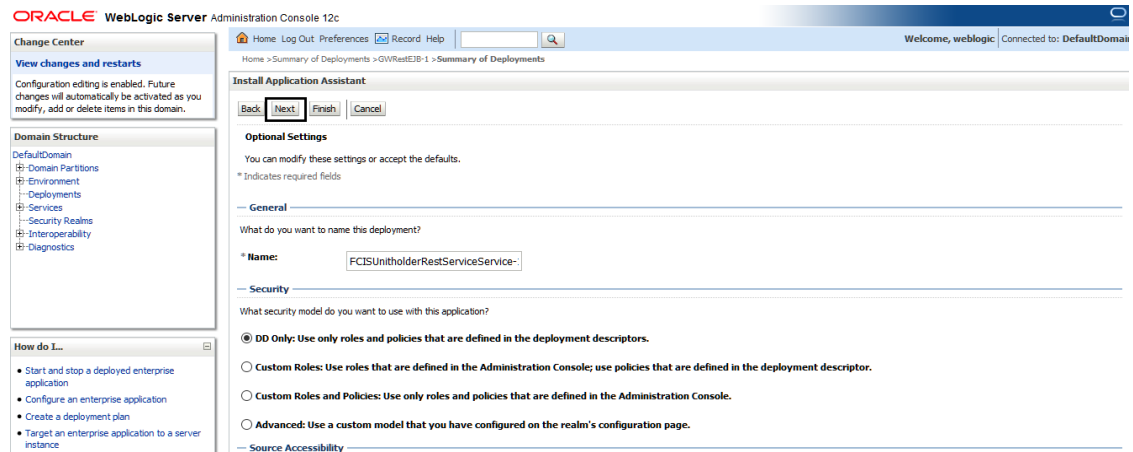
8. Click on 'Next' and the following screen is displayed



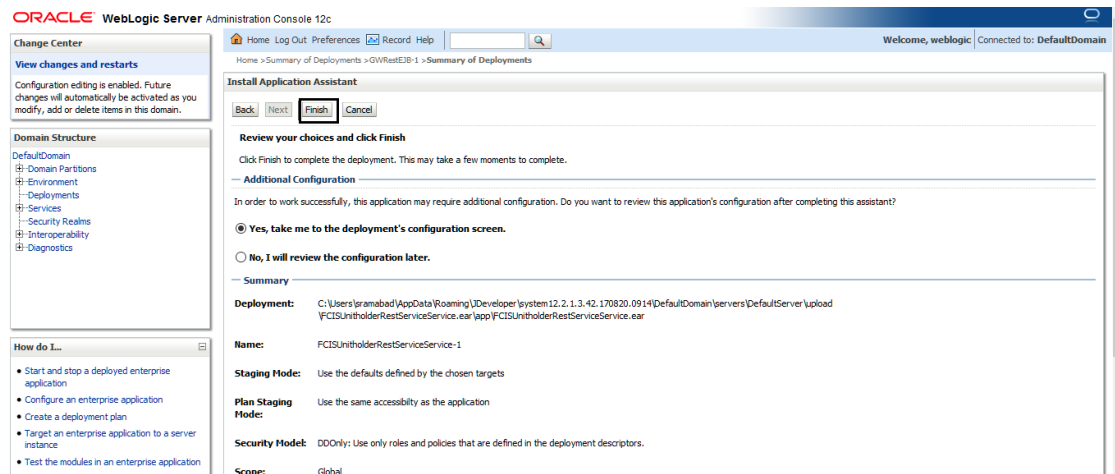
- Click on 'Next' and the following screen is displayed. Select correct Server where the EAR to be deployed.



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

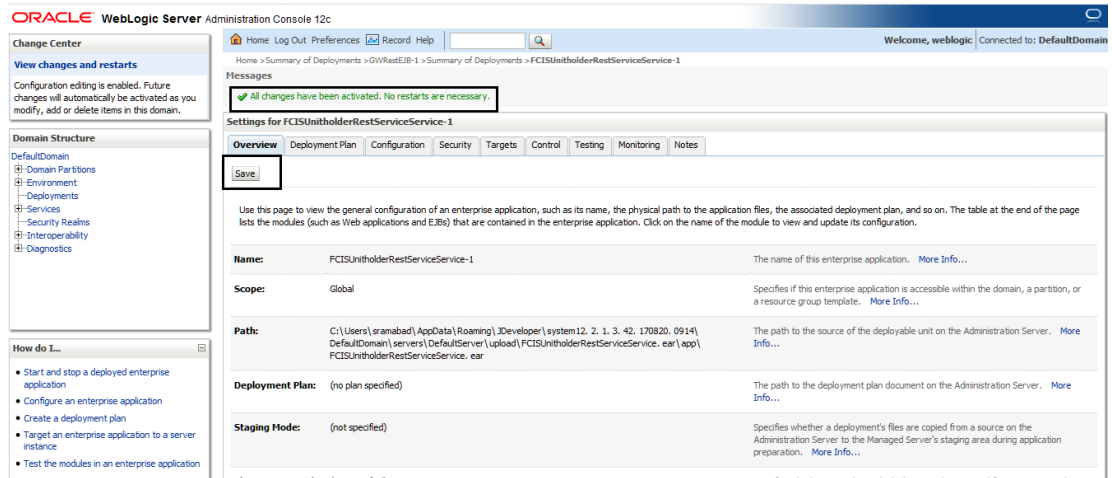


- Click on 'Next' and the following screen is displayed

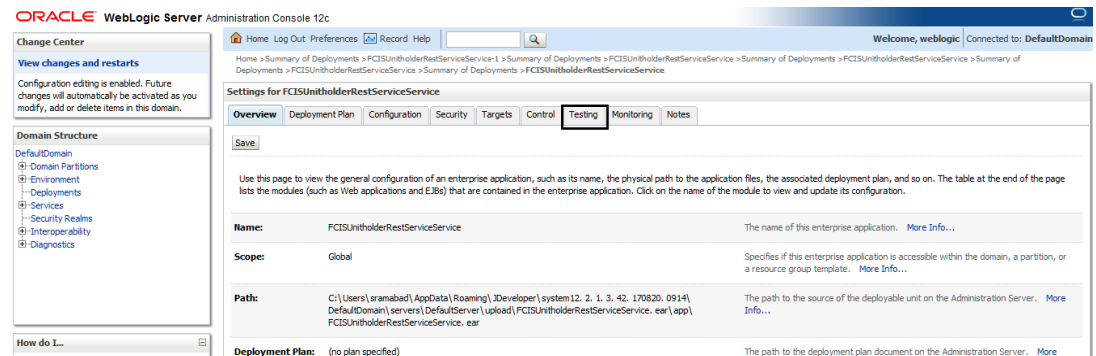


12. Click on 'Finish' and the following screen is displayed

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



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 'Testing' tab for the service 'FCISUnitholderRestServiceService'. 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
FCISUnitholderRestServiceService	/ws-cat/index.jsp	Classloader Analysis Tool on server DefaultServer
FCISUnitholderRestServiceService	/application.wadl	WADL page on server DefaultServer
default	http://10.184.135.26:9101/FCISUnitholderRestServiceService	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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