

REST API Services Deployment in WebLogic
Oracle FLEXCUBE Investor Servicing
Release 14.4.0.0.0
[July] [2020]



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

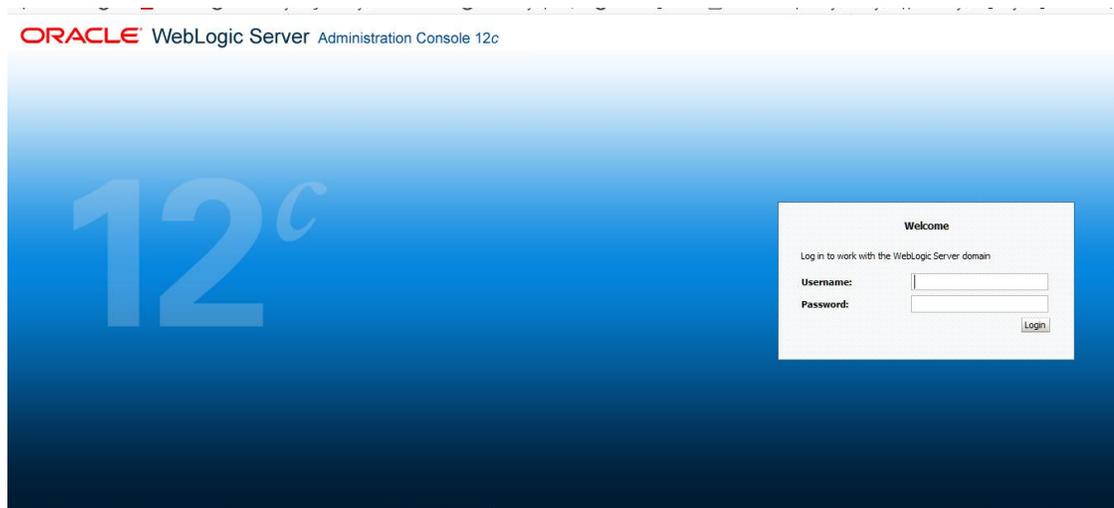
This document describes step to install REST Services into WebLogic application server in full.

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

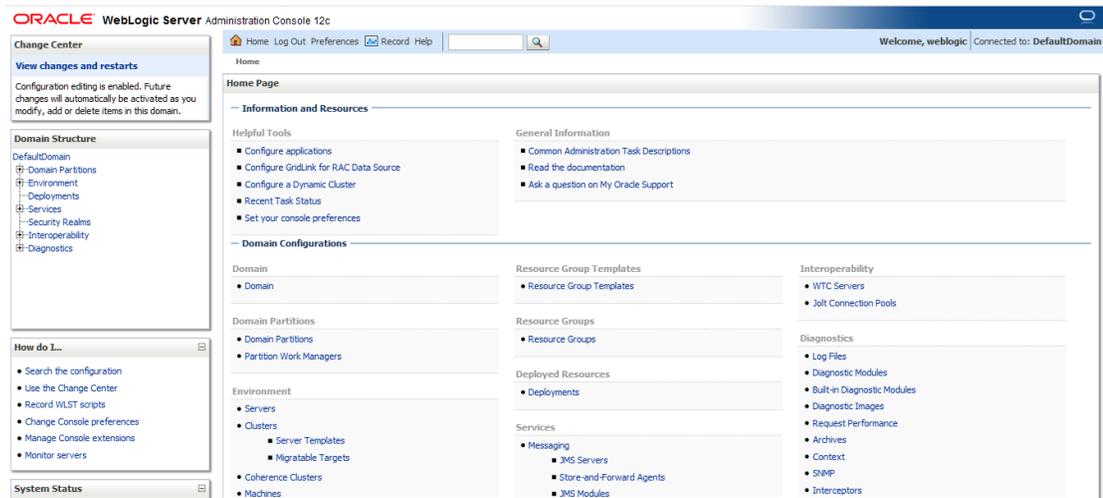
1. Launch WebLogic console, the following screen is displayed



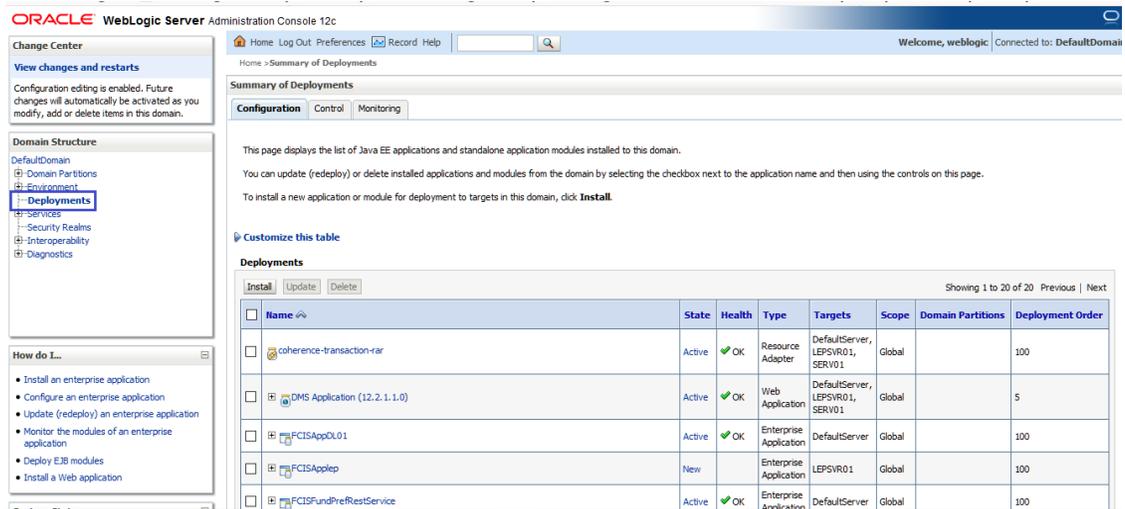
Username: Enter WebLogic user name

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 main area displays the 'Summary of Deployments' page. On the left, there is a navigation pane with 'Deployments' selected. The main content area shows 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. The 'Next' button is highlighted. The dialog contains instructions for locating the deployment file and a list of recently used paths.

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.

Notes: 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.

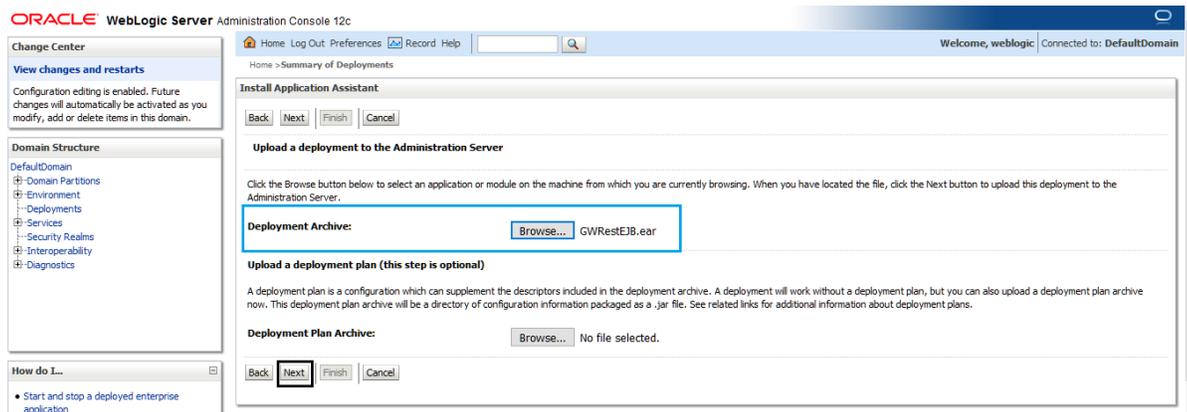
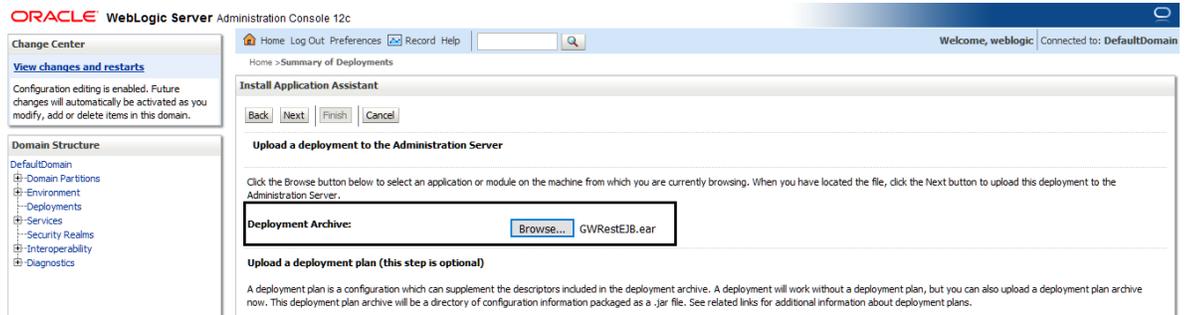
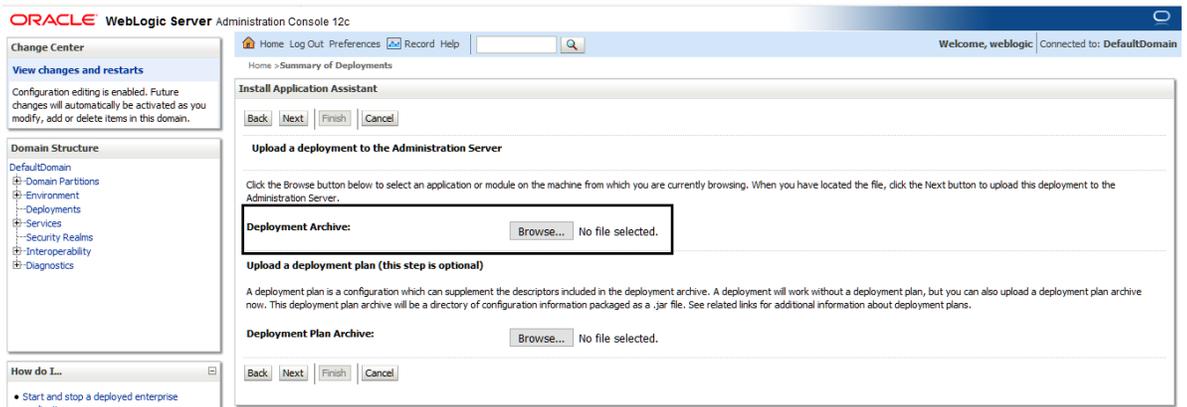
Path: C:\Users\sramabad\AppData\Roaming\Developer\system12.2.1.3.42.170820.0914\DefaultDomain\servers\DefaultServer\upload\FCISFundPreR...

Recently Used Paths:

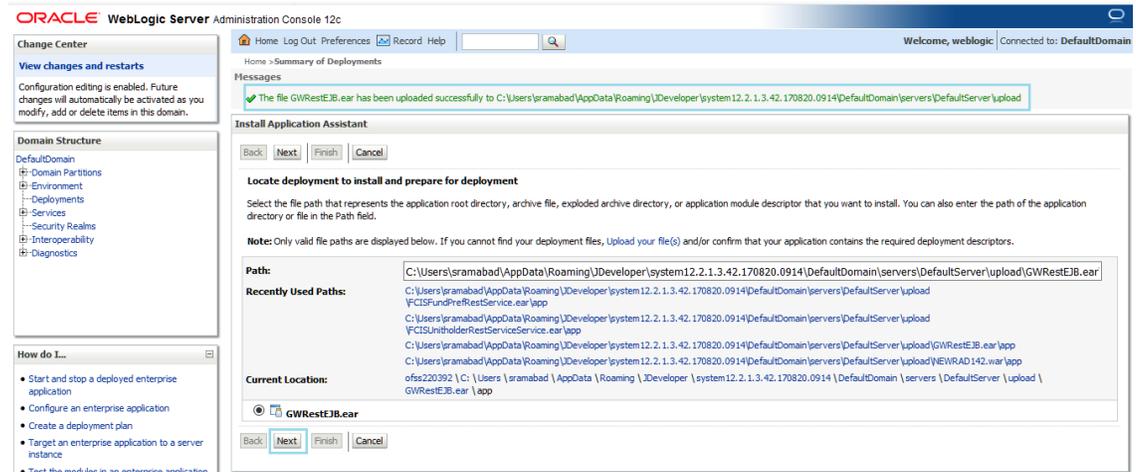
- C:\Users\sramabad\AppData\Roaming\Developer\system12.2.1.3.42.170820.0914\DefaultDomain\servers\DefaultServer\upload\FCISFundPreRestService.ear\app
- C:\Users\sramabad\AppData\Roaming\Developer\system12.2.1.3.42.170820.0914\DefaultDomain\servers\DefaultServer\upload\FCISUntholderRestServiceService.ear\app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

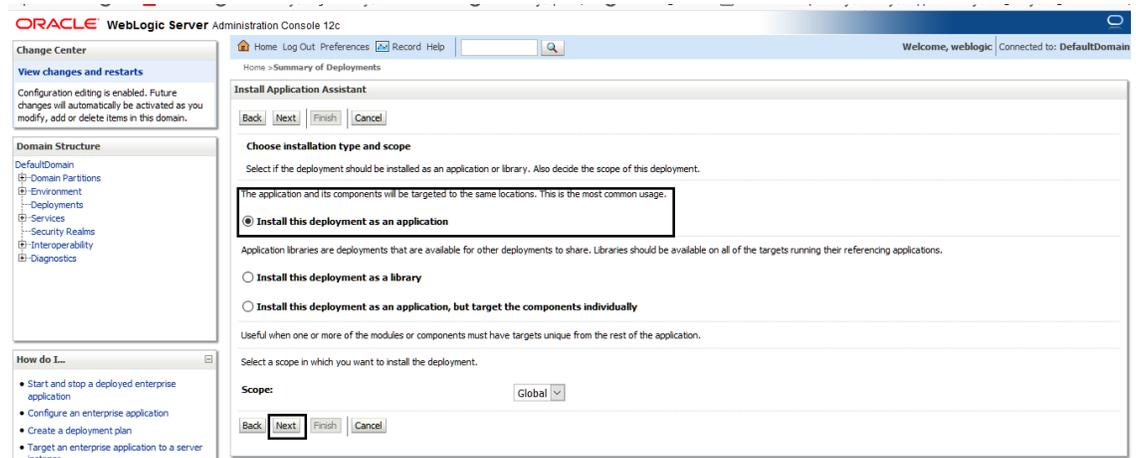
6. Click on 'Next' and the following screen is displayed:



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

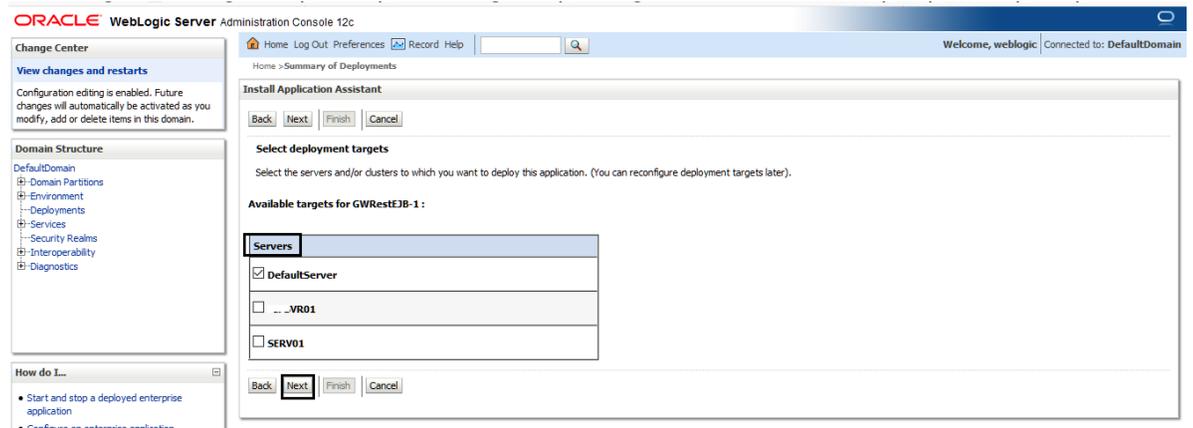


Click on 'Next' and the following screen is displayed

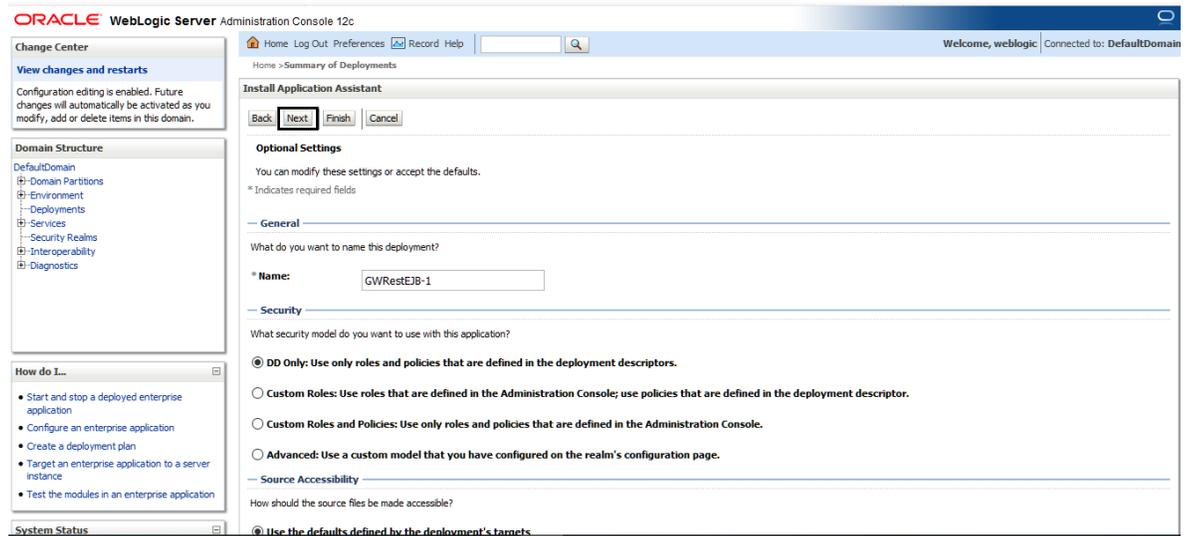


Click on 'Next' and the following screen is displayed

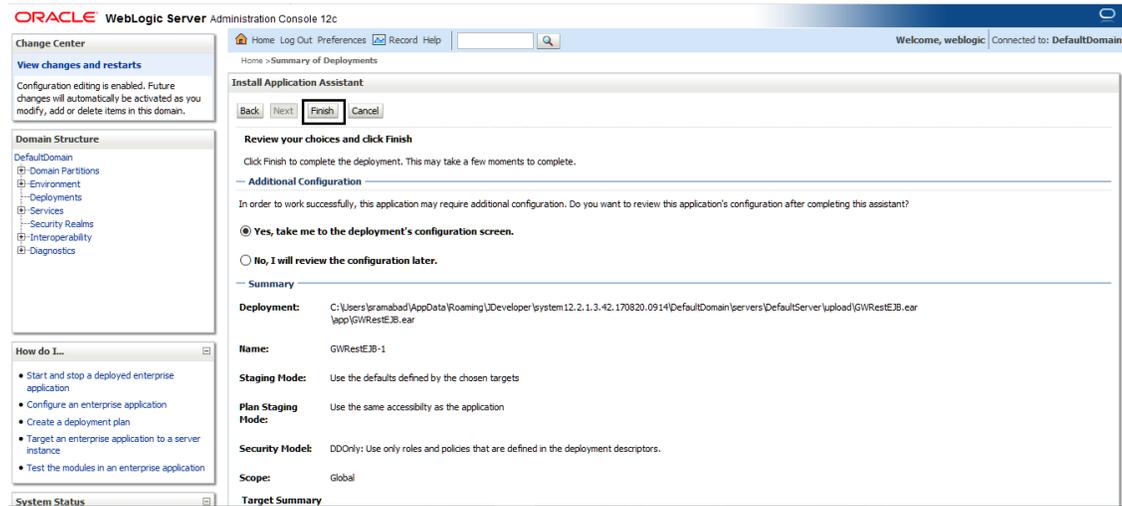
Select correct Server where the EAR to be deployed.



Click on 'Next' and the following screen is displayed

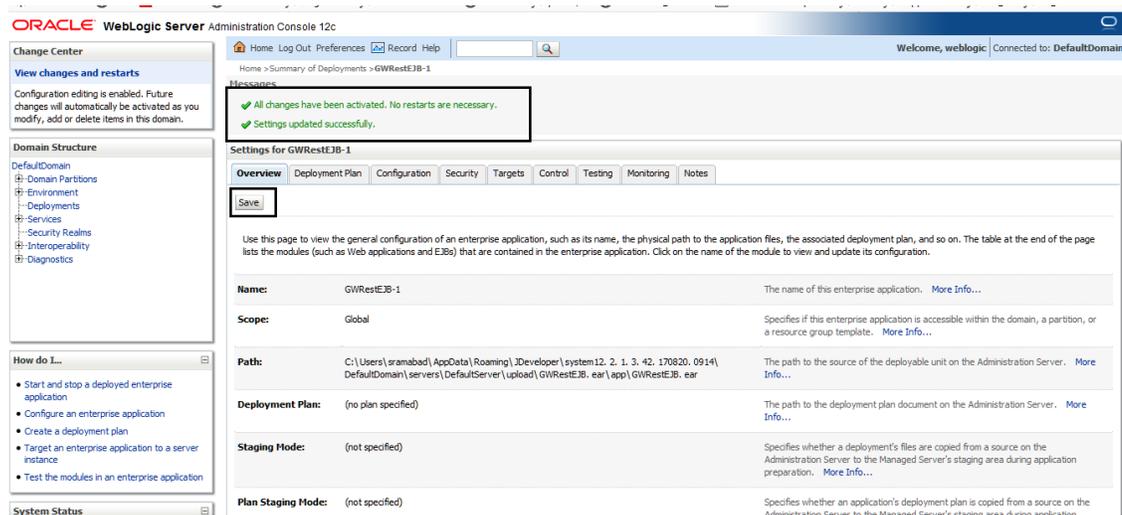


Click on 'Next' and the following screen is displayed



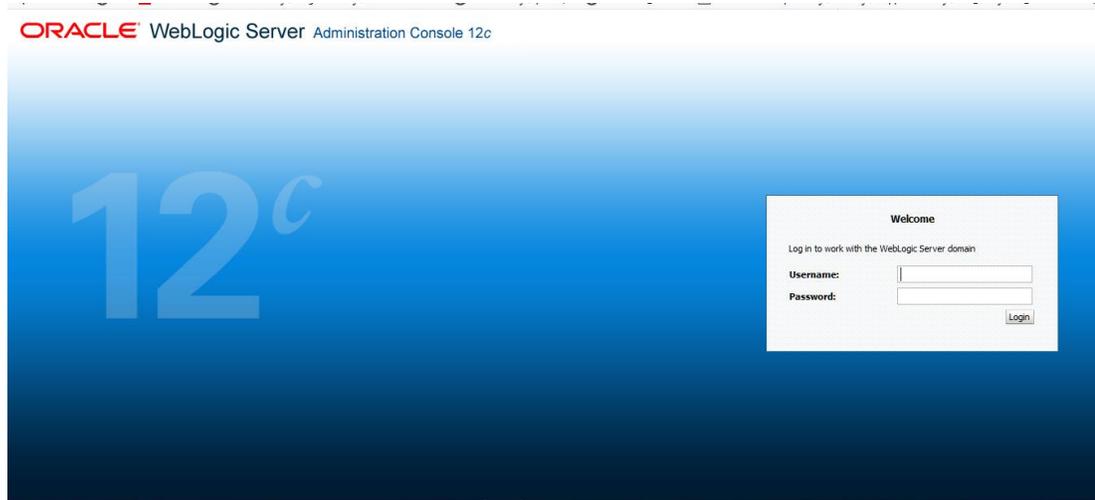
Click on 'Finish' and the following screen is displayed

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

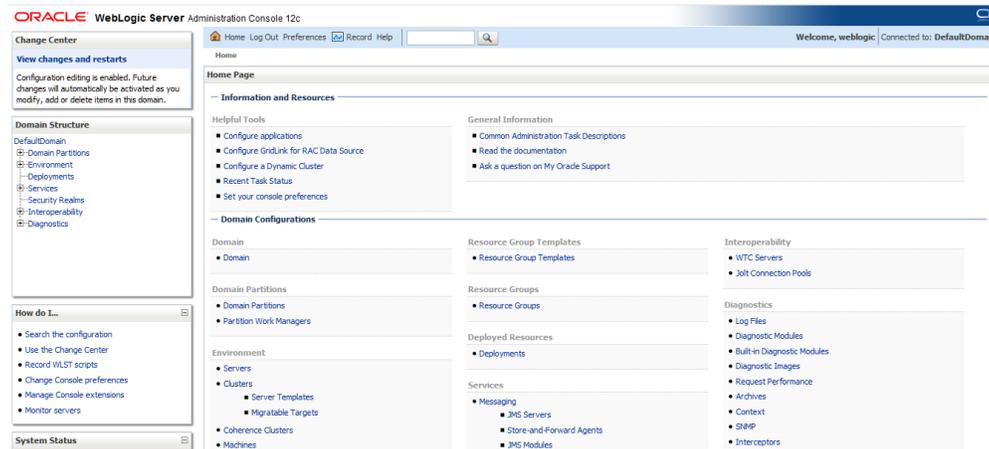
1. Launch WebLogic console, the following screen is displayed.



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'.

The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar has 'Deployments' selected under 'Domain Structure'. The main content area shows a table of installed applications. The 'Install' button in the table header is highlighted.

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
coherence-transaction-rar	Active	OK	Resource Adapter	DefaultServer, LEPSVR01, SERVO1	Global		100
DMS Application (12.2.1.1.0)	Active	OK	Web Application	DefaultServer, LEPSVR01, SERVO1	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

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

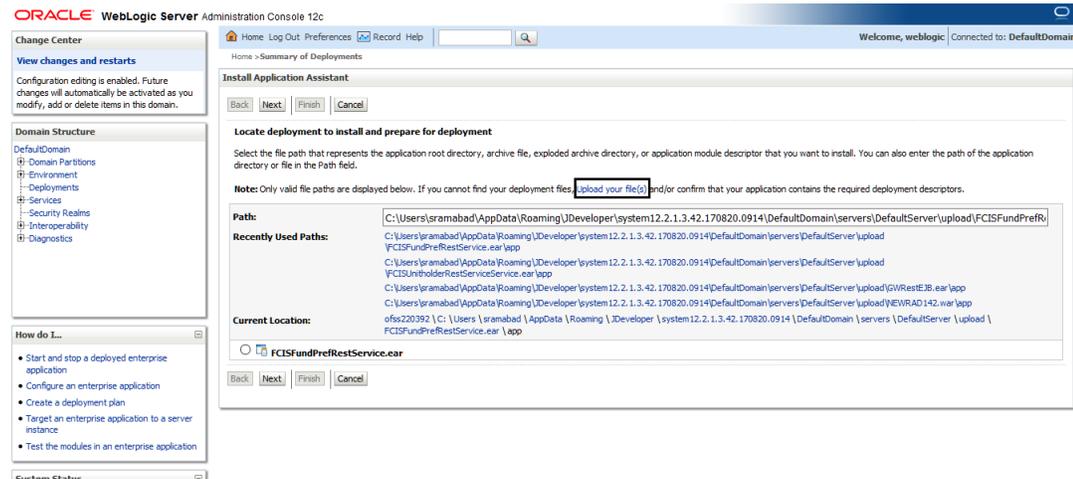
The screenshot shows the Oracle WebLogic Server Administration Console. The left sidebar has 'Deployments' selected under 'Domain Structure'. The main content area shows a table of installed applications. The 'Install' button in the table header is highlighted.

Name	State	Health	Type	Targets	Scope	Domain Partitions	Deployment Order
coherence-transaction-rar	Active	OK	Resource Adapter	DefaultServer, LEPSVR01, SERVO1	Global		100
DMS Application (12.2.1.1.0)	Active	OK	Web Application	DefaultServer, LEPSVR01, SERVO1	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

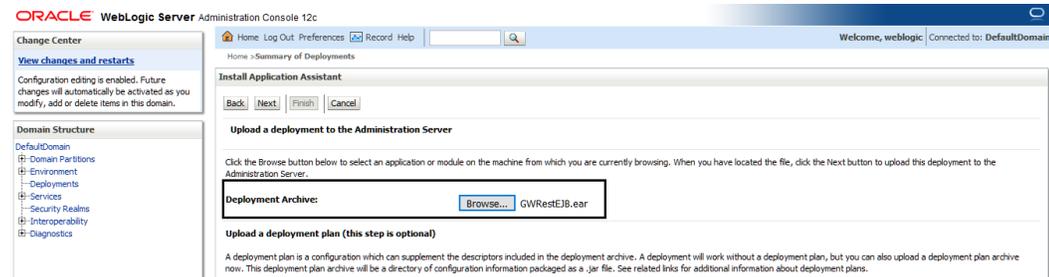
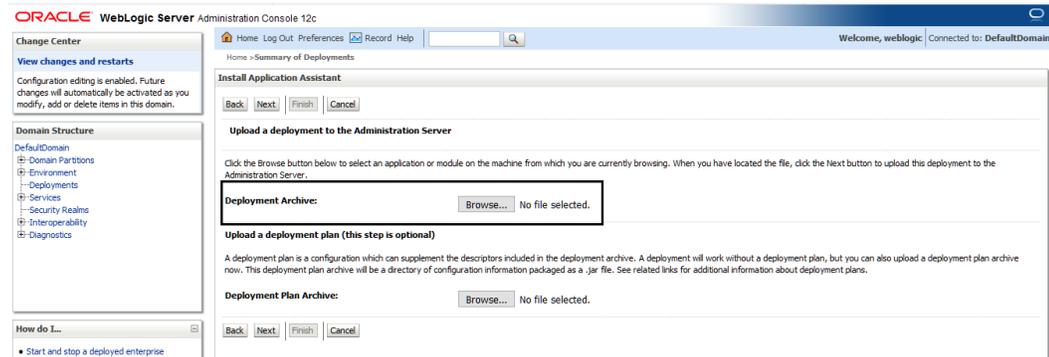
Path

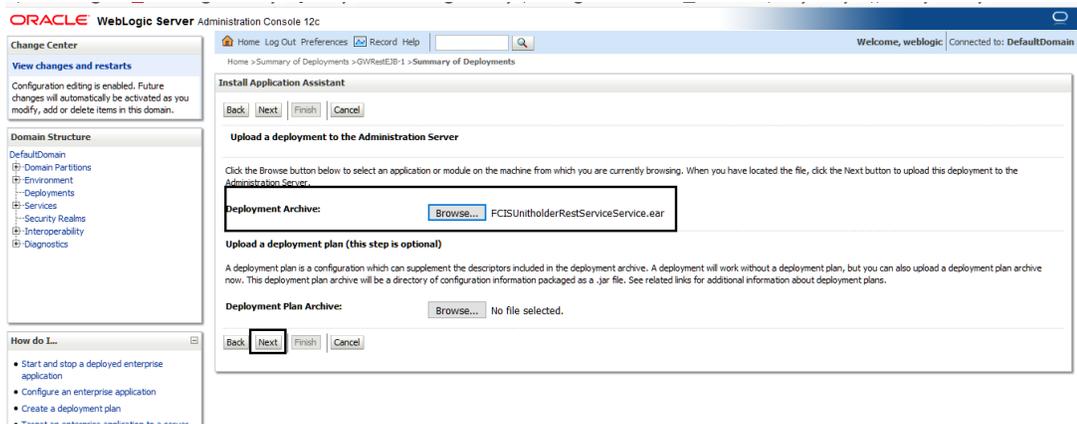
Enter the complete path of the EAR

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

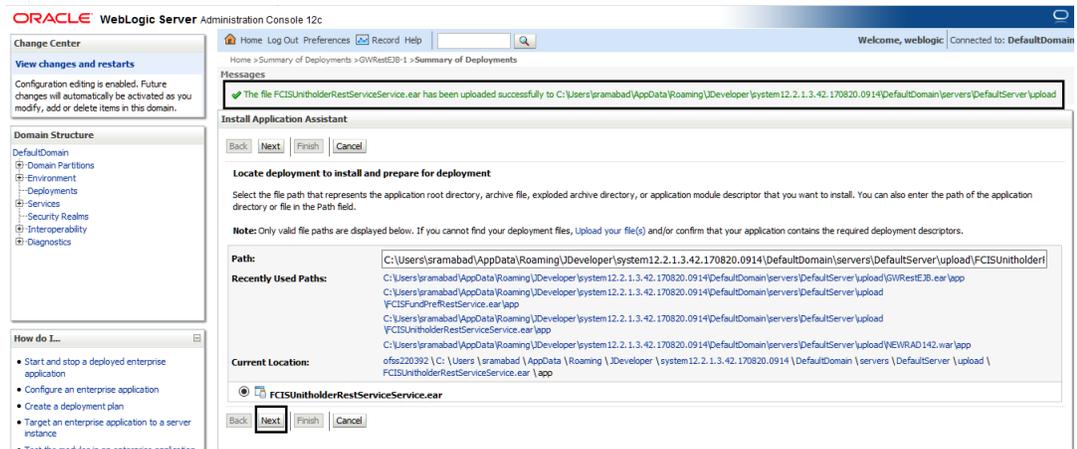


6. Click on 'Next' and the following screen is displayed:

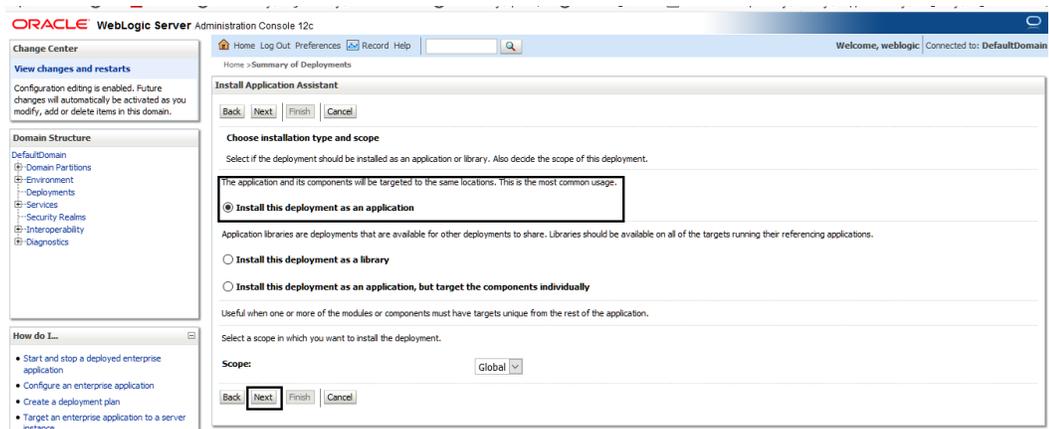




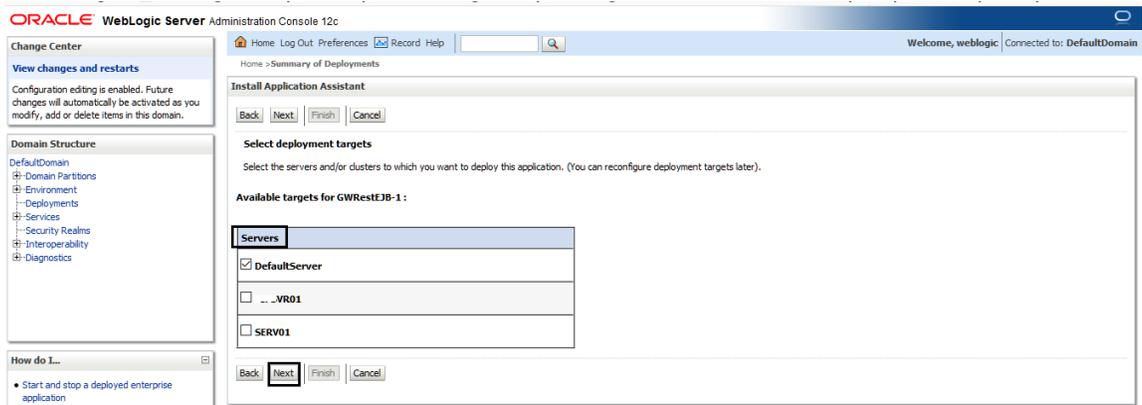
7. Click on 'Next' and the following screen is displayed



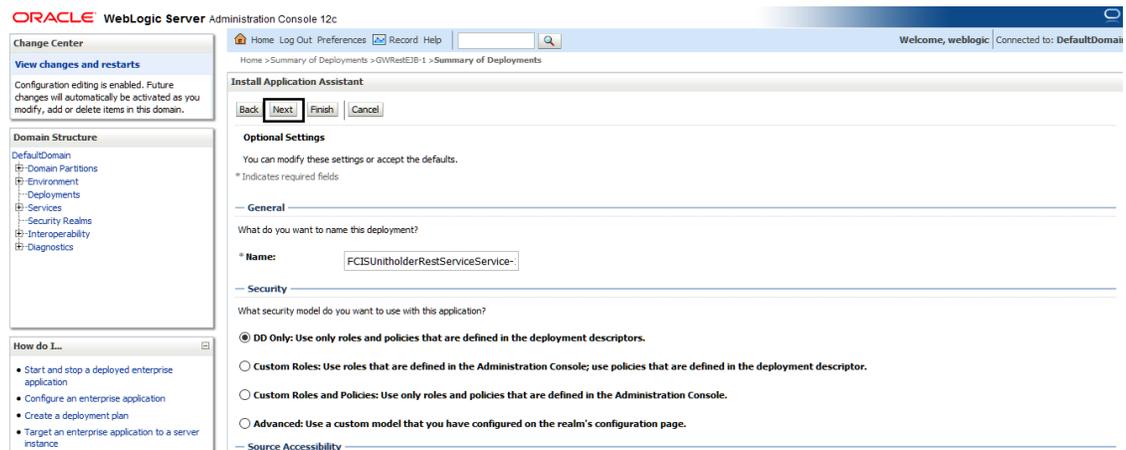
8. Click on 'Next' and the following screen is displayed



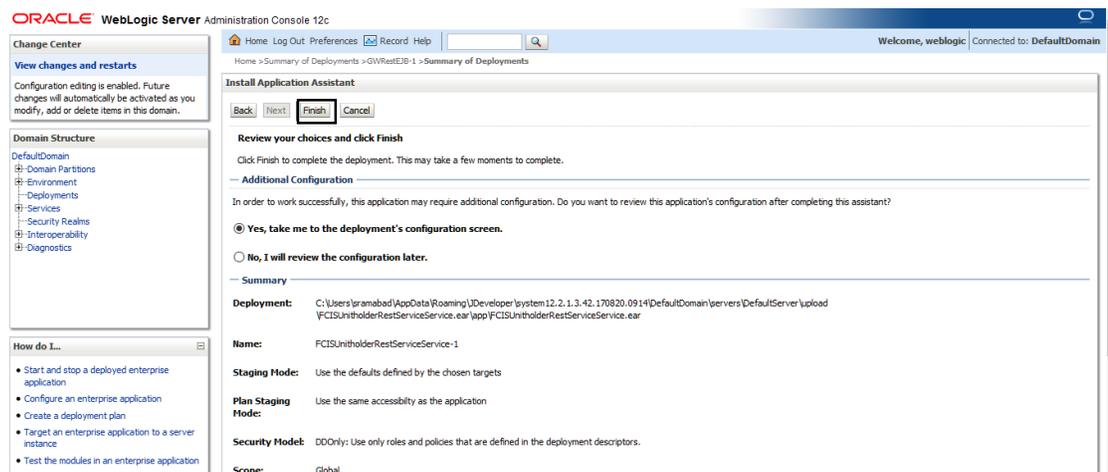
- Click on 'Next' and the following screen is displayed. Select correct Server where the EAR to be deployed.



- 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."

ORACLE WebLogic Server Administration Console 12c

Home > Summary of Deployments > GWRstEJB-1 > Summary of Deployments > FCISUnitholderRestServiceService-1

Messages

✔ All changes have been activated. No restarts are necessary.

Settings for FCISUnitholderRestServiceService-1

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 and EJBs) that are contained in the enterprise application. Click on the name of the module to view and update its configuration.

Name:	FCISUnitholderRestServiceService-1	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 group template. More Info...
Path:	C:\Users\srarnabad\AppData\Roaming\JDeveloper\system12.2.1.3.42.170820.0914\DefaultDomain\servers\DefaultServer\upload\FCISUnitholderRestServiceService.ear\app\FCISUnitholderRestServiceService.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 to the Managed Server's staging area during application preparation. More Info...

To get wadl Link. Click Testing tab page

ORACLE WebLogic Server Administration Console 12c

Home > Summary of Deployments > FCISUnitholderRestServiceService-1 > Summary of Deployments > FCISUnitholderRestServiceService > Summary of Deployments > FCISUnitholderRestServiceService > Summary of Deployments > FCISUnitholderRestServiceService > Summary of Deployments > FCISUnitholderRestServiceService

Settings for FCISUnitholderRestServiceService

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 and EJBs) that are contained in the enterprise application. Click on the name of the module to view and update its configuration.

Name:	FCISUnitholderRestServiceService	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 group template. More Info...
Path:	C:\Users\srarnabad\AppData\Roaming\JDeveloper\system12.2.1.3.42.170820.0914\DefaultDomain\servers\DefaultServer\upload\FCISUnitholderRestServiceService.ear\app\FCISUnitholderRestServiceService.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...

Click Service and click on '/application.wadl'

The screenshot shows the Oracle WebLogic Server Administration Console. The main content area displays the 'Settings for FCISUnitholderRestServiceService' with the 'Testing' tab selected. A table titled 'Deployment Tests' is shown with the following data:

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>`



RESTService Deployment WebLogic in Oracle FLEXCUBE
[July] [2020]
Version 14.4.0.0.0

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries: Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
www.oracle.com/financialservices/

Copyright © [2007], [2020], Oracle and/or its affiliates.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.