

REST API Services Deployment in Weblogic  
Oracle FLEXCUBE Universal Banking  
Release 14.5.3.0.0  
Part No. F50379-01  
[November] [2021]



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# 1. FLEXCUBE Universal Banking Solutions

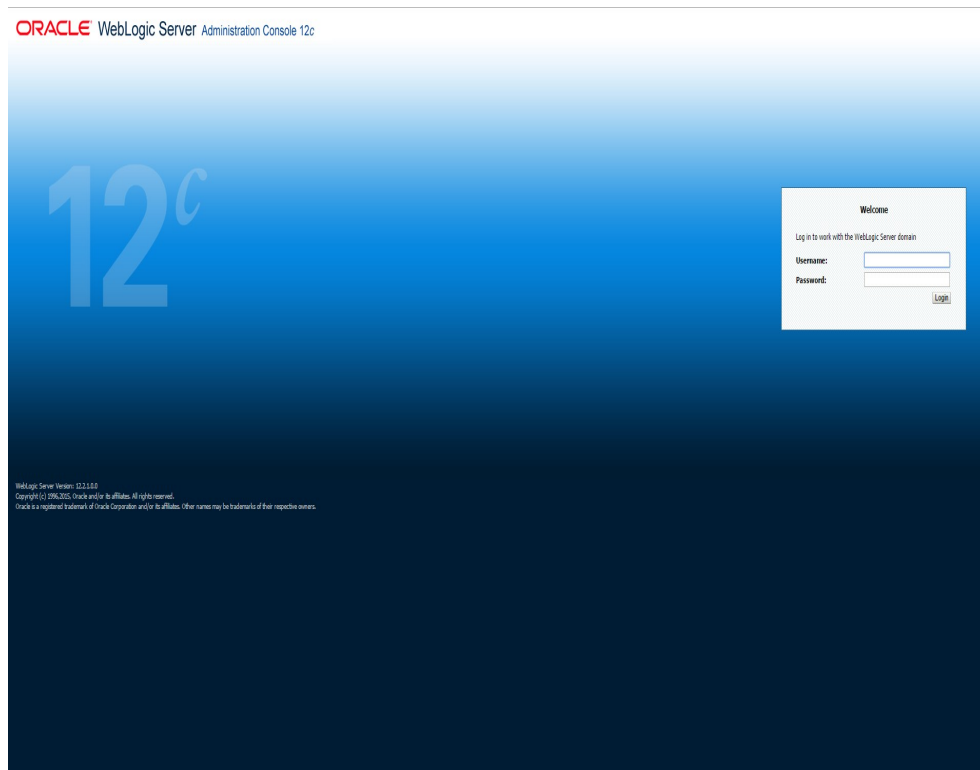
This document describes step to install REST Services into weblogic application server in full.

## Prerequisite:

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

## 1.1 REST API 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:

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: base\_domain

**Change Center**  
View changes and restarts  
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

**Domain Structure**  
base\_domain  
├ Domain Partitions  
├ Environment  
├ Deployments  
├ Services  
├ Security Realms  
├ Interoperability  
└ Diagnostics

**How do I...?**  
• Search the configuration  
• Use the Change Center  
• Record WLST Scripts  
• Change Console preferences  
• Manage Console extensions  
• Monitor servers

**System Status**  
Health of Running Servers  
Failed (0)  
Critical (0)  
Overloaded (0)  
Warning (0)  
OK (1)

**Home Page**  
Information and Resources  
Helpful Tools  
• Configure applications  
• Configure GridLink for RAC Data Source  
• Configure a Dynamic Cluster  
• Recent Task Status  
• Set your console preferences  
Domain Configurations  
Domain  
Domain Partitions  
Domain Partitions  
Partition Work Managers  
Environment  
Servers  
Clusters  
Server Templates  
Migratable Targets  
Coherence Clusters  
Machines  
Virtual Hosts  
Virtual Targets  
Work Managers  
Concurrent Templates  
Resource Management  
Startup And Shutdown Classes  
Application's Security Settings  
Security Realms  
General Information  
• Common Administration Task Descriptions  
• Read the documentation  
• Ask a question on My Oracle Support  
Resource Group Templates  
Resource Group Templates  
Resource Groups  
Resource Groups  
Deployed Resources  
Deployments  
Services  
Messaging  
JMS Servers  
Store-and-Forward Agents  
JMS Modules  
Path Services  
Bridges  
Data Sources  
Persistent Stores  
XML Registries  
XML Entity Caches  
Foreign JNDI Providers  
Work Contents  
JCOM  
Mail Sessions  
FileT3  
JTA  
OSGI Frameworks  
Interoperability  
WTC Servers  
Jolt Connection Pools  
Diagnostics  
Log Files  
Diagnostic Modules  
Built-in Diagnostic Modules  
Diagnostic Images  
Request Performance  
Archives  
Content  
SNMP  
Interceptors  
Charts and Graphs  
Monitoring Dashboard

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

**ORACLE WebLogic Server Administration Console 12c**

Home Log Out Preferences Record Help

Welcome, weblogic Connected to: base\_domain

**Change Center**  
View changes and restarts  
Configuration editing is enabled. Future changes will automatically be activated as you modify, add or delete items in this domain.

**Domain Structure**  
base\_domain  
├ Domain Partitions  
├ Environment  
├ Deployments  
├ Services  
├ Security Realms  
├ Interoperability  
└ Diagnostics

**How do I...?**  
• Install an enterprise application  
• Configure an enterprise application  
• Update (redeploy) an enterprise application  
• Monitor the modules of an enterprise application  
• Deploy EJB modules  
• Install a Web application

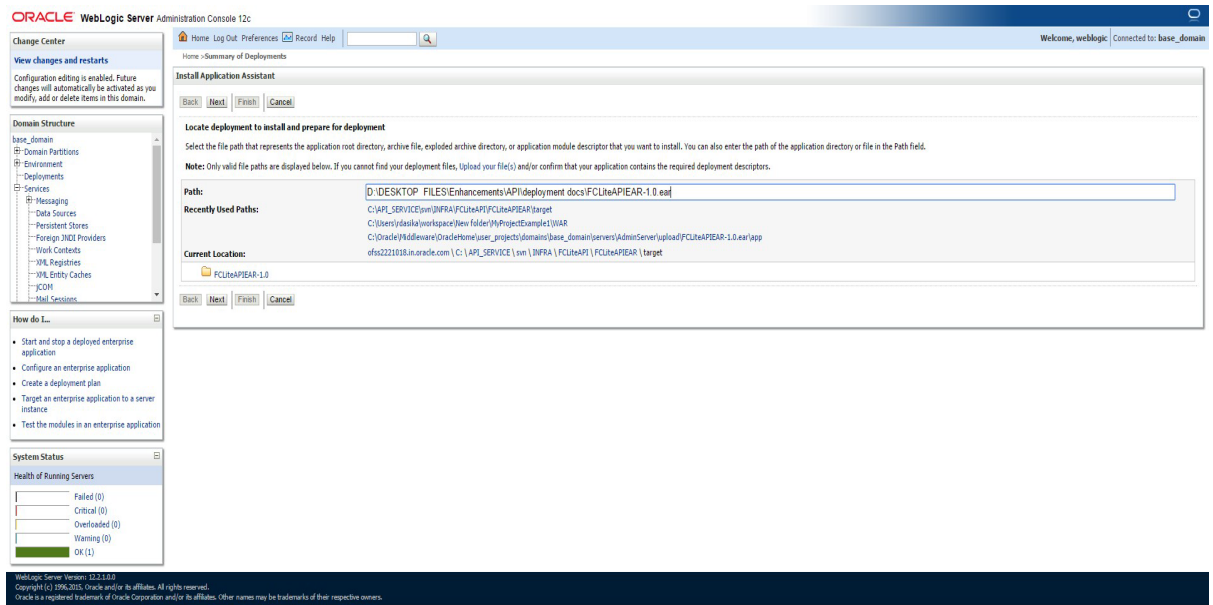
**System Status**  
Health of Running Servers  
Failed (0)  
Critical (0)  
Overloaded (0)  
Warning (0)  
OK (1)

**Summary of Deployments**  
Configuration Control Monitoring  
This page displays the list of Java EE applications and standalone application modules installed to this domain.  
You can update (redeploy) or delete installed applications and modules from the domain by selecting the checkbox next to the application name and then using the controls on this page.  
To install a new application or module for deployment to targets in this domain, click **Install**.  
Customize this table  
Deployments  
Showing 1 to 1 of 1 Previous Next  
Install Update Delete  
Name State Health Type Targets Scope Domain Partitions Deployment Order  
ProjectCV1 Active OK Web Application AdminServer Global 100  
Install Update Delete  
Showing 1 to 1 of 1 Previous Next

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https://2271018.oracle.com:7001/console/console.portal?\_afp=1&\_pageLabel=AppDeploymentsControlPage&App...

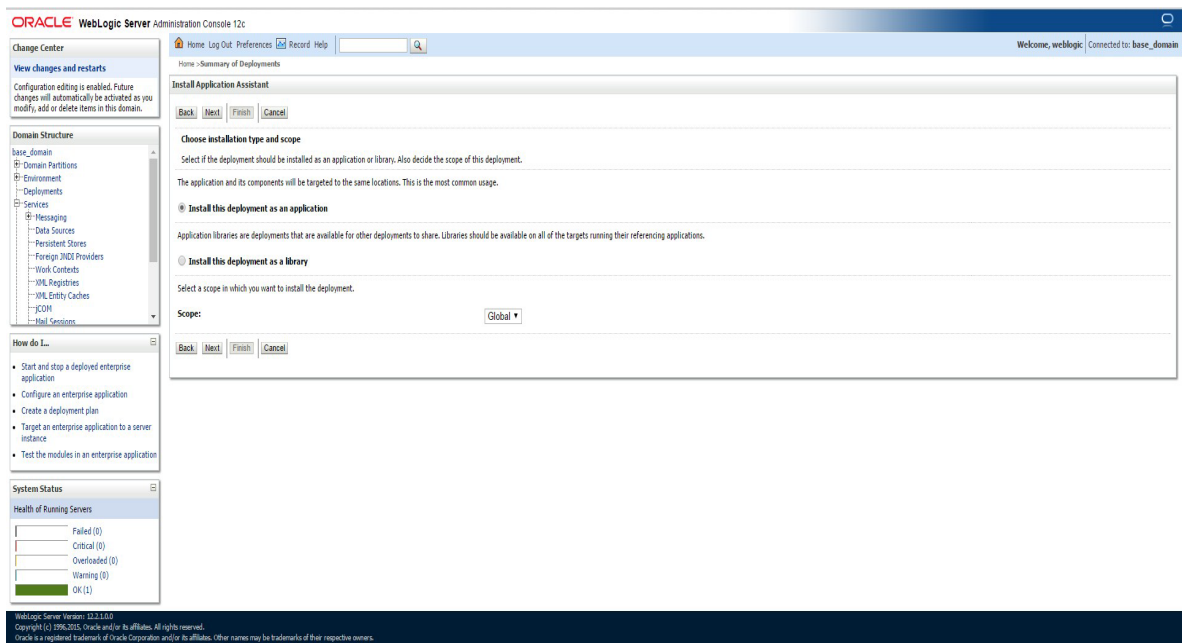
4. Click 'Install' from the Deployments following screen will be displayed.



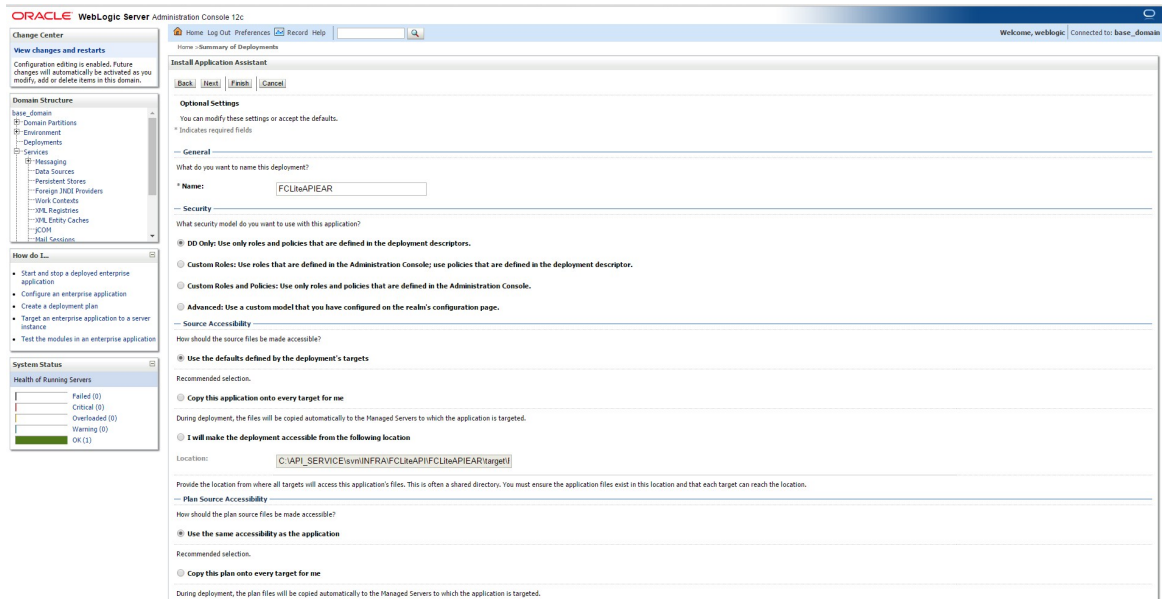
## Path

Enter the complete path of the EAR

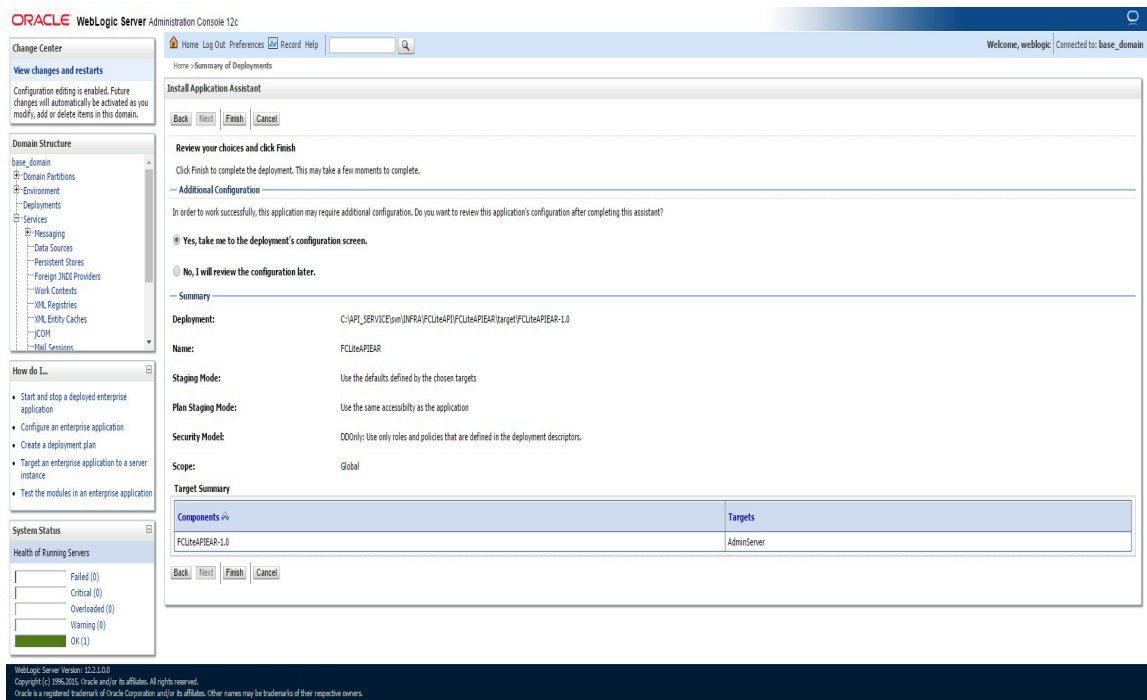
5. Click on 'Next' and the following screen is displayed:



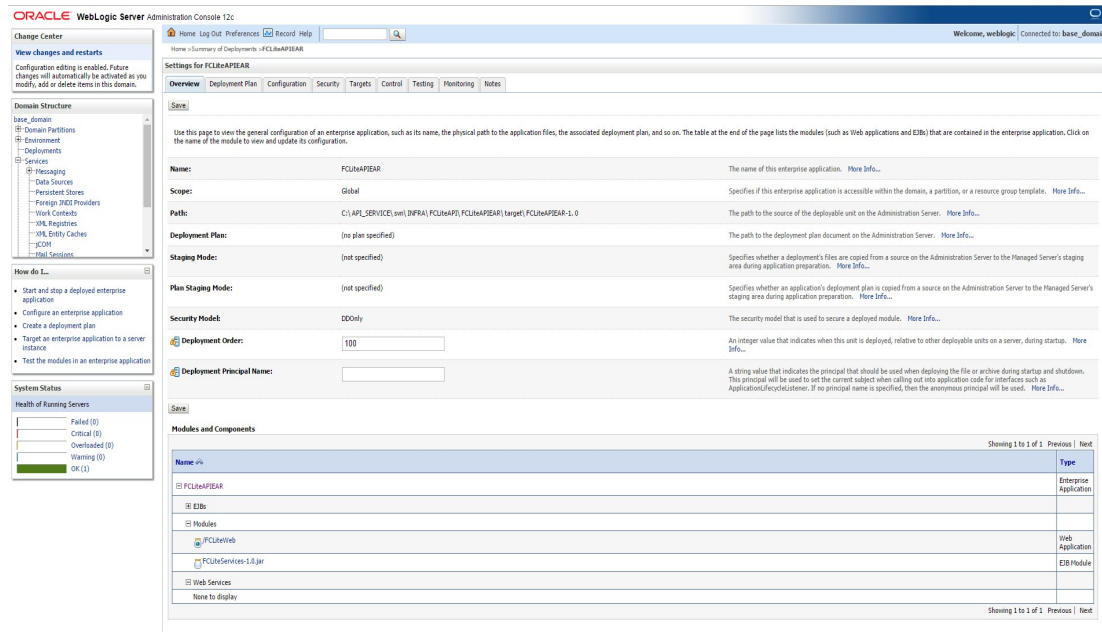
6. Click on 'Next' and the following screen is displayed:



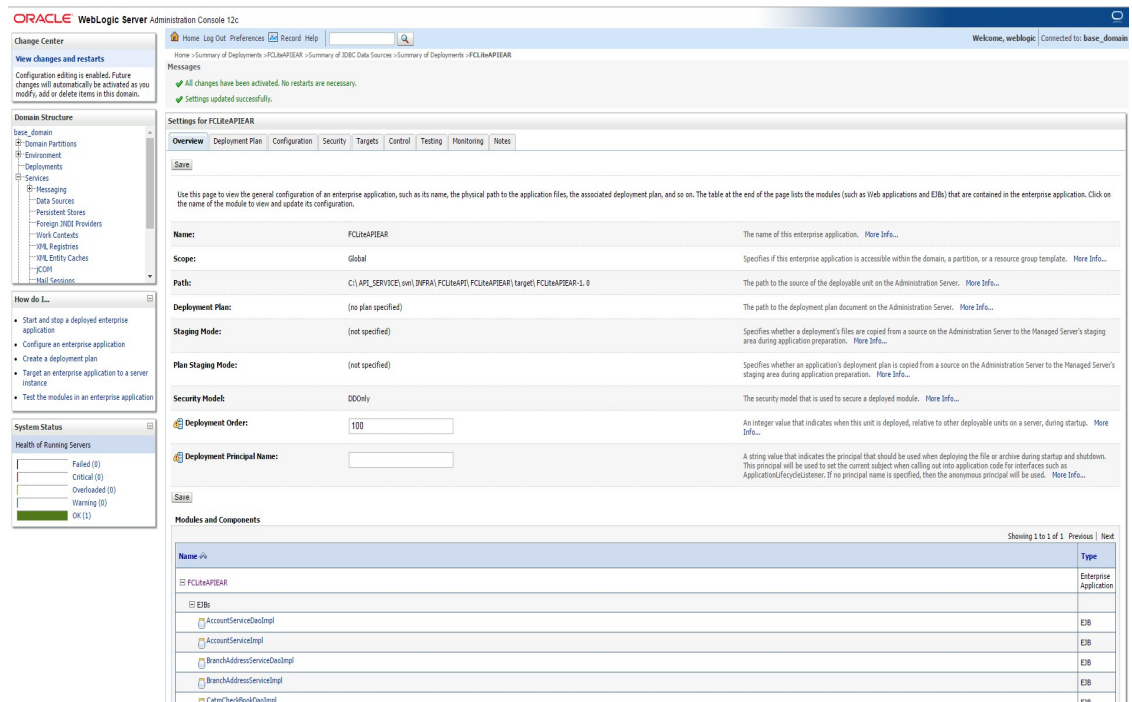
7. Click on 'Next' and the following screen is displayed:



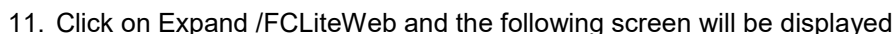
8. Click on 'Finish' and the following screen is displayed:



9. 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."



10. If wsdl file is required then click on Testing TAB from the above screen.



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.

- 1-6



```

<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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