

REST API Services Deployment in Weblogic
Oracle FLEXCUBE Universal Banking
Release 14.4.0.0.0
[May] [2020]



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1. FLEXCUBE Universal Banking Solutions

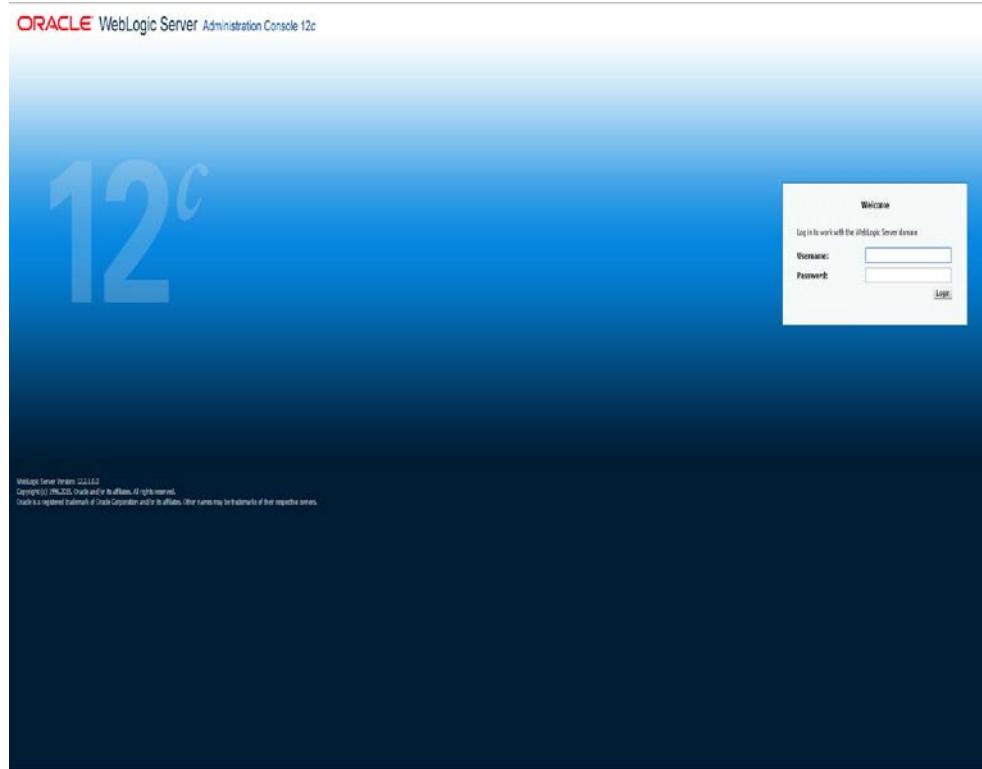
This document describes step to install REST Services into weblogic application server in full.

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.



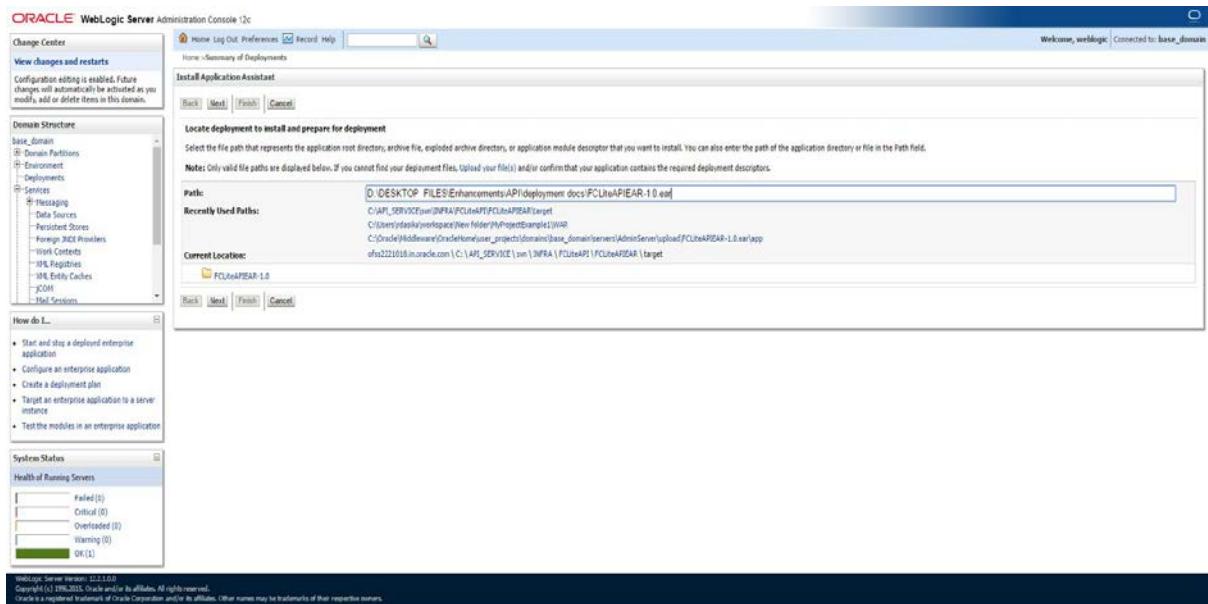
username: Enter weblogic user name

password: Enter password for weblogic

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

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

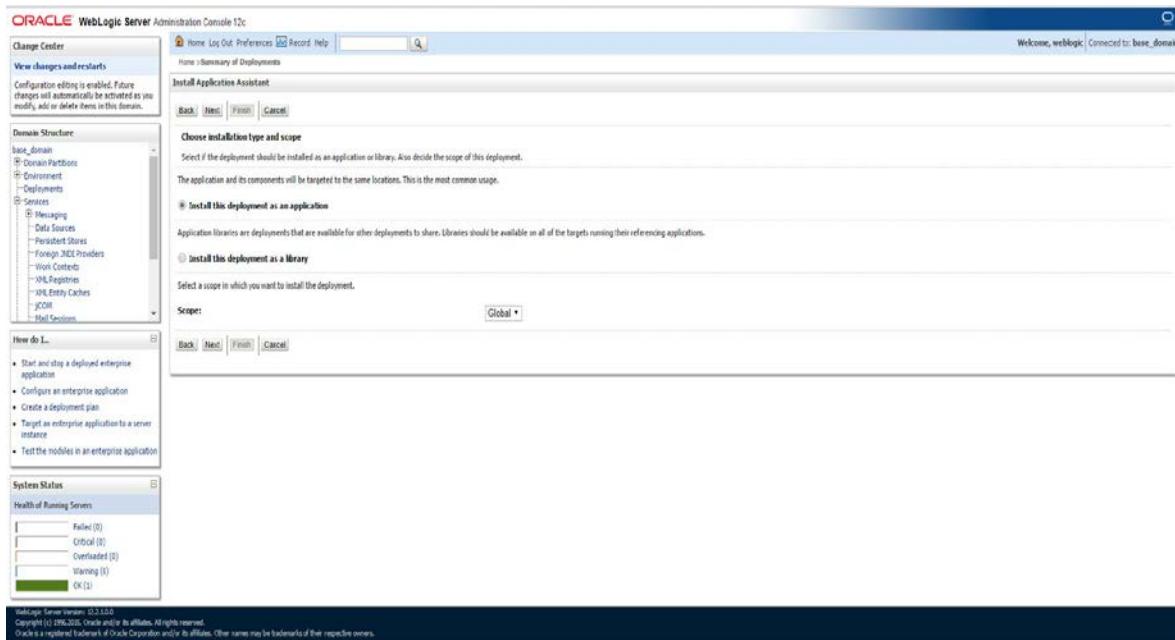
4. Click 'Install' from the Deployments following screen will be displayed.



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:

ORACLE WebLogic Server Administration Console 12c

Change Center Home Log Out Preferences Record Help |

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
 + Messaging
 - Data Sources
 - Persistence Stores
 - Foreign JNDI Providers
 - Work Contexts
 + URL Registrars
 + Cache
 + Security
 + JNDI
 + JMX
 + Resources

How do I...

- Start and stop a deployed enterprise application
- Configure an enterprise application
- Create a deployment plan
- Target an enterprise application to a server instance
- Test the modules in an enterprise application

System Status
Health of Running Servers

Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (1)

Install Application Assistant
Back Next Finish Cancel

Optional Settings
You can modify these settings or accept the defaults.
* Indicates required fields.

General
What do you want to name this deployment?
Name:

Security
What security model do you want to use with this application?

DO Only Use roles and policies that are defined in the deployment descriptors.

Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the deployment descriptor.

Custom Roles and Policies: Use the only roles and policies that are defined in the Administration Console.

Advanced: Use a custom model that you have configured on the realm's configuration page.

Source Accessibility
How should the source files be made accessible?

Use the defaults defined by the deployment's targets

Recommended selection

Copy this application onto every target for me

During deployment, the files will be copied automatically to the Managed Servers to which the application is targeted.

I will make the deployment accessible from the following location:

Location:

Provide the location from where all targets will access this application's files. This is often a shared directory. You must ensure the application files exist in this location and that each target can reach the location.

Plan Source Accessibility
How should the plan source files be made accessible?

Use the same accessibility as the application

Recommended selection

Copy this plan onto every target for me

During deployment, the plan files will be copied automatically to the Managed Servers to which the application is targeted.

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

ORACLE WebLogic Server Administration Console 12c

Change Center Home Log Out Preferences Record Help |

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
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How do I...

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System Status
Health of Running Servers

Failed (0)
Critical (0)
Overloaded (0)
Warning (0)
OK (1)

Install Application Assistant
Back Next Finish Cancel

Review your choices and click Finish
Click Finish to complete the deployment. This may take a few moments to complete.

Additional Configuration
In order to work successfully, this application may require additional configuration. Do you want to review this application's configuration after completing this assistant?

Yes, take me to the deployment's configuration screen.

No, I will review the configuration later.

Summary

Deployment: C:\APL_SERVICE\env\INFRA\FCUeAP\FCUePEAR\target\FCUePEAR-1.0

Name: FCUePEAR

Staging Mode: Use the defaults defined by the chosen targets

Plan Staging Mode: Use the same accessibility as the application

Security Model: DOOnly: Use only roles and policies that are defined in the deployment descriptors.

Scope: Global

Target Summary

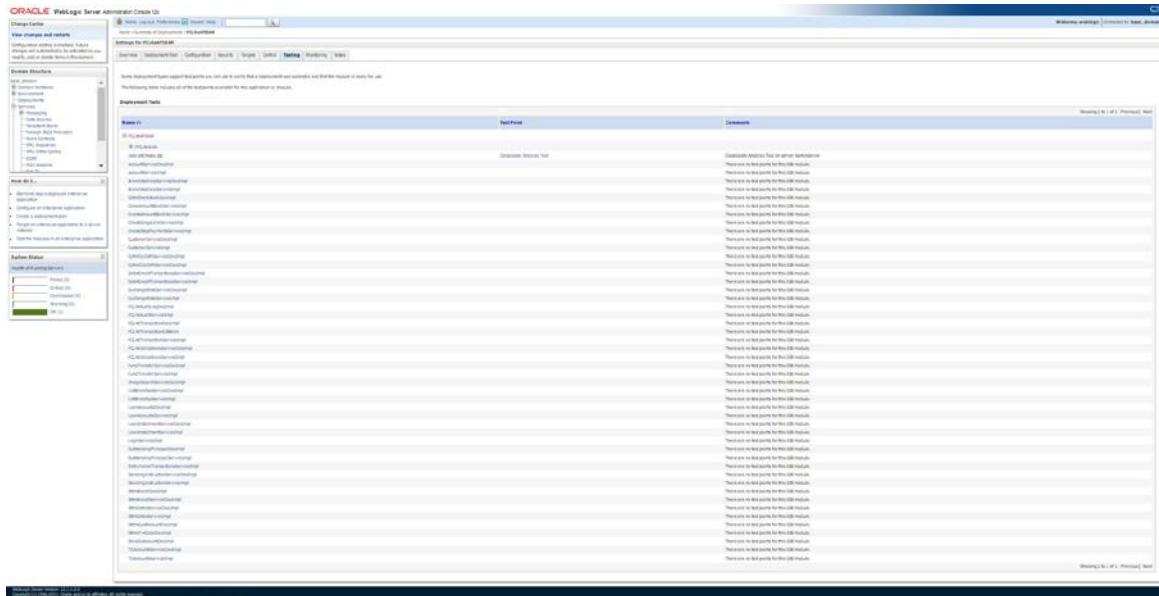
Components	Targets
FCUePEAR-1.0	AdminServer

WebLogic Server Version: 12.1.2.0
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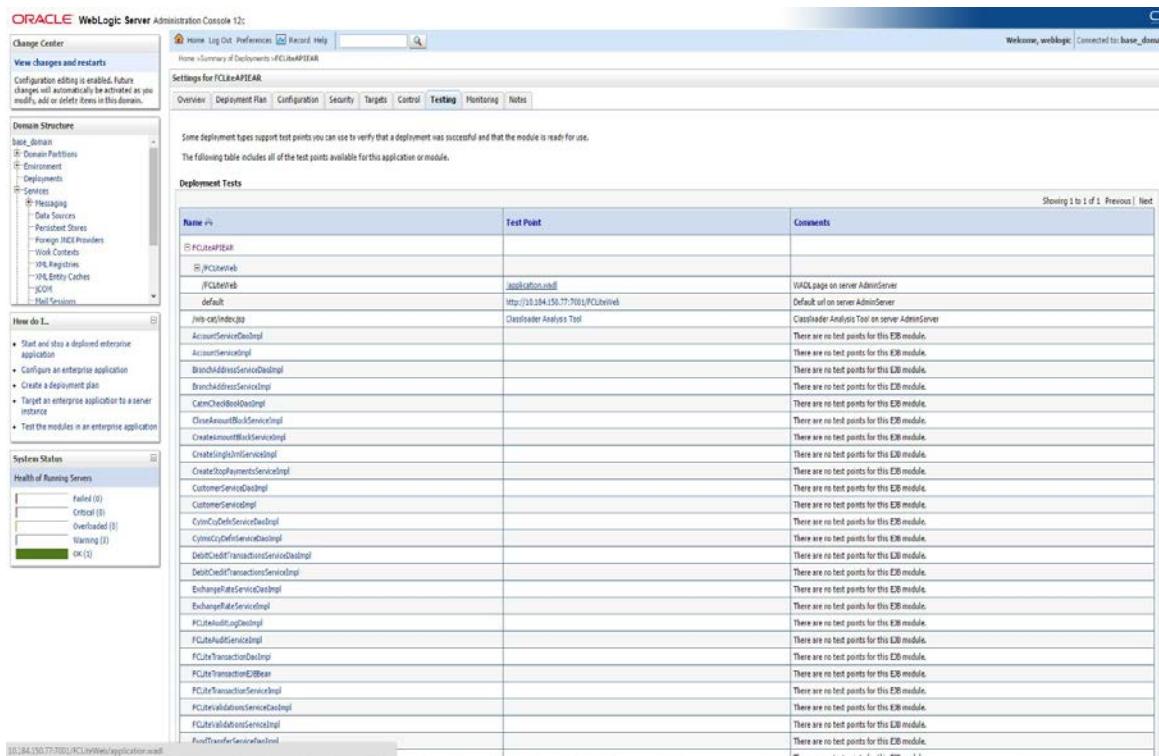
8. Click on 'Finish' and the following screen is displayed:

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.



11. Click on Expand /FCLiteWeb and the following screen will be displayed



We can find the “wsdl” file in the Test Point column.

1.2 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>
```



REST API Services deployment in Flexcube
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