

REST API Services Deployment in Weblogic  
Oracle FLEXCUBE Universal Banking  
Release 14.3.0.0.0  
[May] [2019]



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# 1. FLEXCUBE Universal Banking Solutions

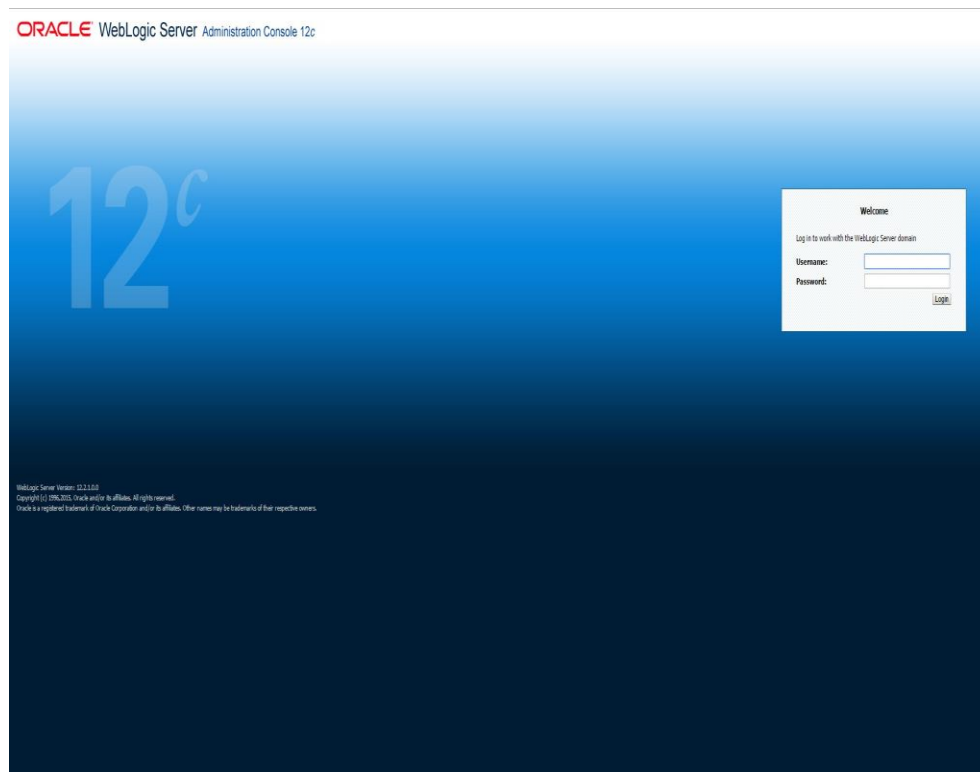
This document describes step to install REST Services into weblogic application server in full.

## 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  
- Interspersability  
- 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  
- 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 Contexts  
- JCOH  
- Mail Sessions  
- JTA  
- OSGI Frameworks  
Interspersability  
- WTC Servers  
- Jolt Connection Pools  
Diagnostics  
- Log Files  
- Diagnostic Modules  
- Built-in Diagnostic Modules  
- Diagnostic Images  
- Request Performance  
- Archives  
- Context  
- 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  
- Messaging  
- Data Sources  
- Persistent Stores  
- Foreign JNDI Providers  
- Work Contexts  
- XML Registries  
- XML Entity Caches  
- JCOH  
- Mail Sessions

**How do I...?**  
- Install an enterprise application  
- Configure an enterprise application  
- Update (redeploy) an enterprise application  
- Monitor the modules of an enterprise application  
- Deploy ESB module  
- 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

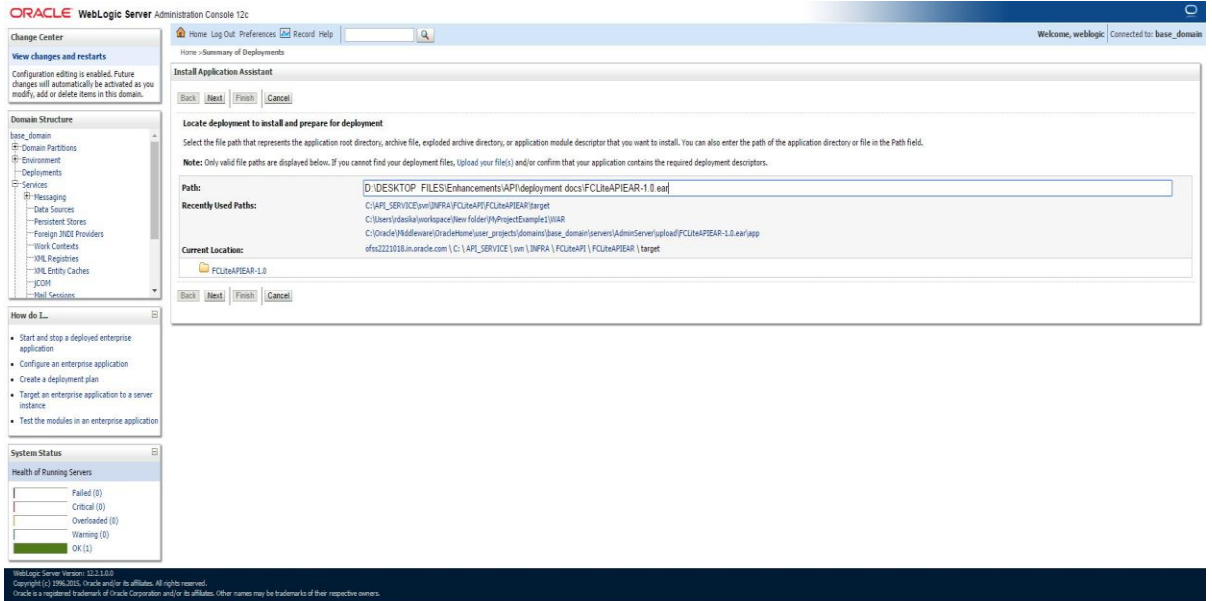
| Name      | State  | Health | Type            | Targets     | Scope  | Domain Partitions | Deployment Order |
|-----------|--------|--------|-----------------|-------------|--------|-------------------|------------------|
| ProjectV1 | Active | OK     | Web Application | AdminServer | Global |                   | 100              |

Showing 1 to 1 of 1 Previous Next

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https://222.2018.oracle.com:7001/console/console.portal?\_afpbc=true&\_pageLabel=AppDeploymentsControlPage&App...

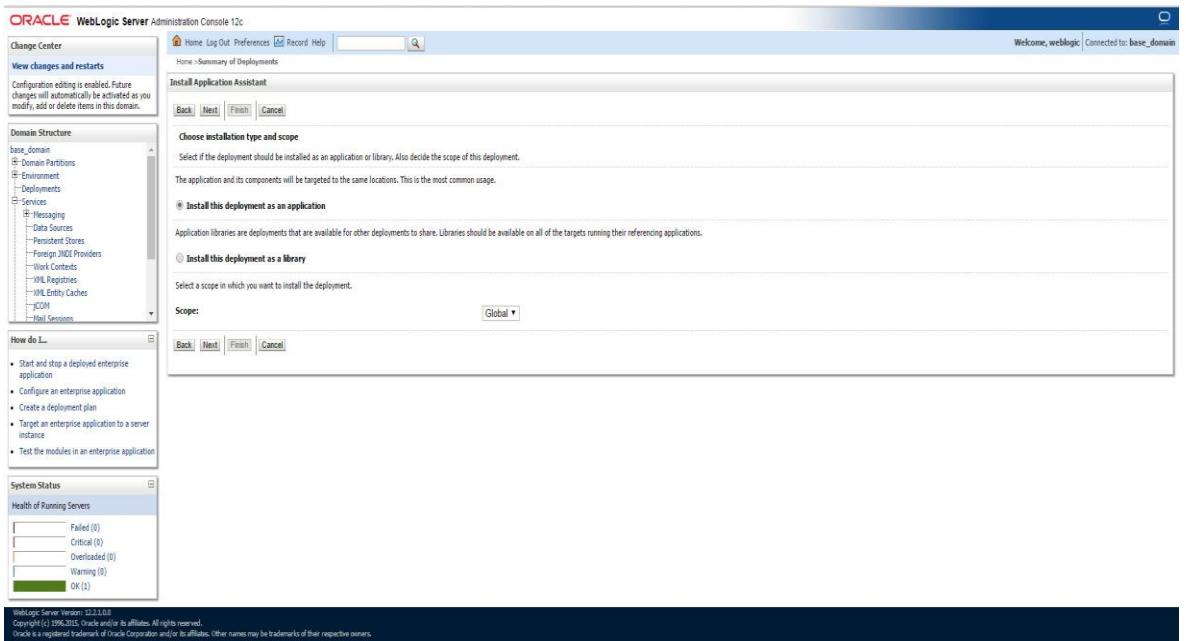
4. Click 'Install' from the Deployments following screen will be displayed.



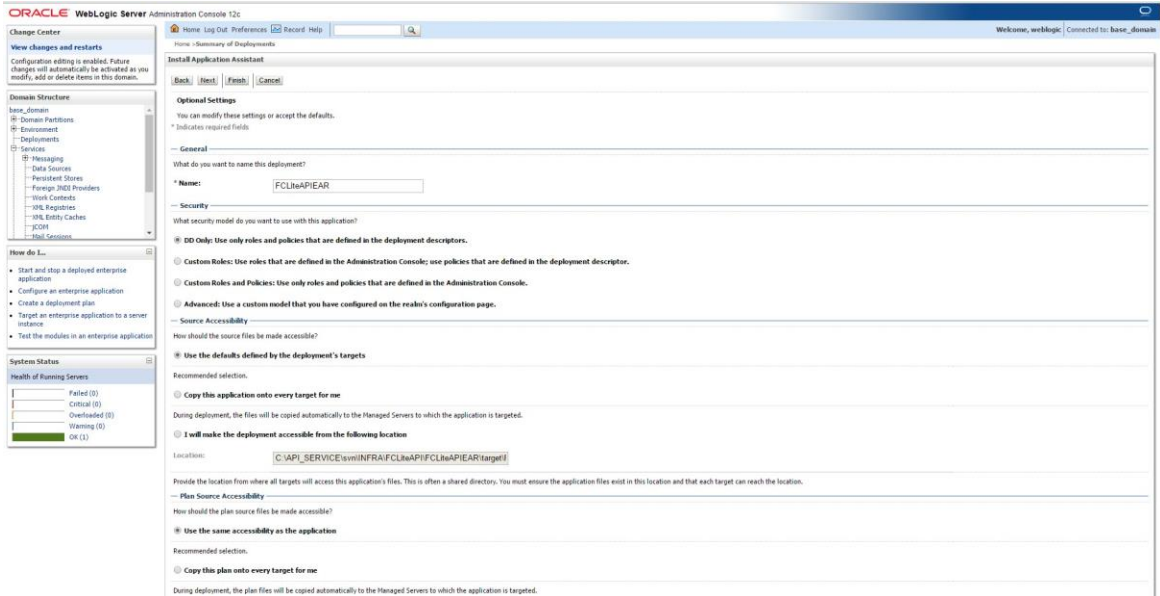
### Path

Enter the complete path of the EAR

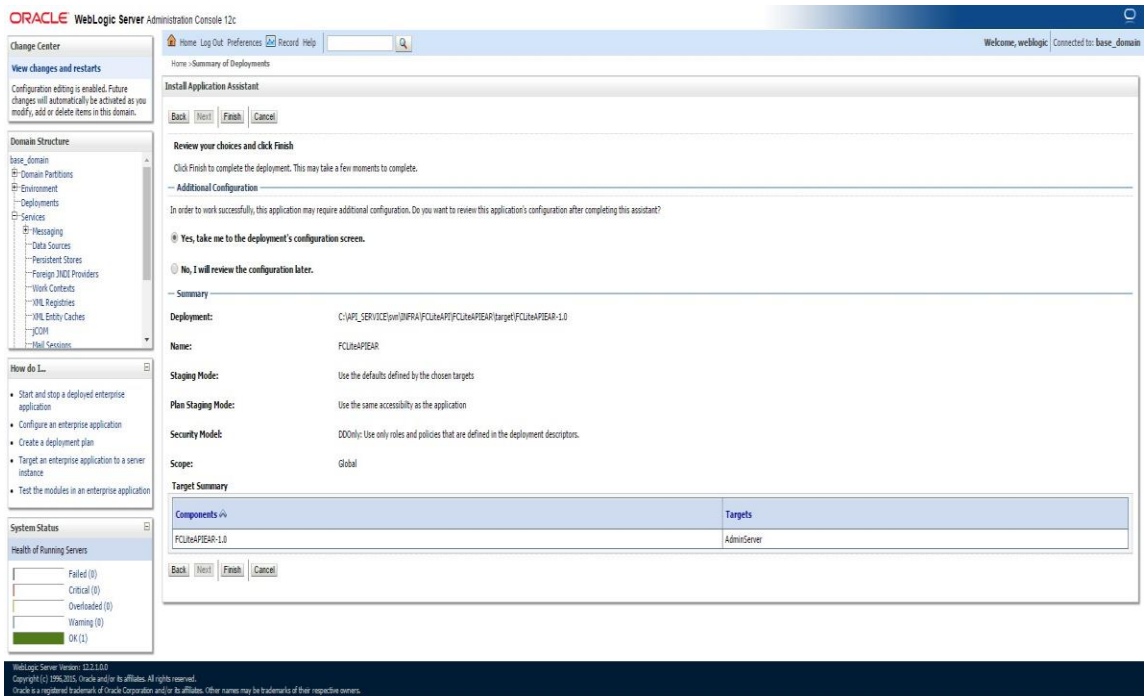
5. Click on 'Next' and the following screen is displayed:



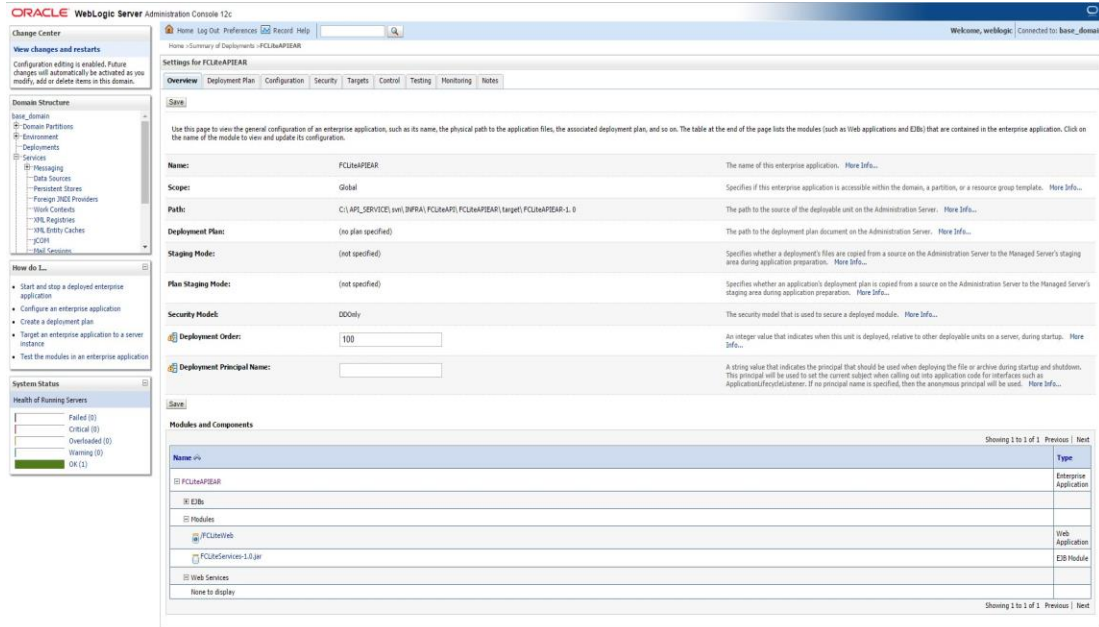
6. Click on 'Next' and the following screen is displayed:



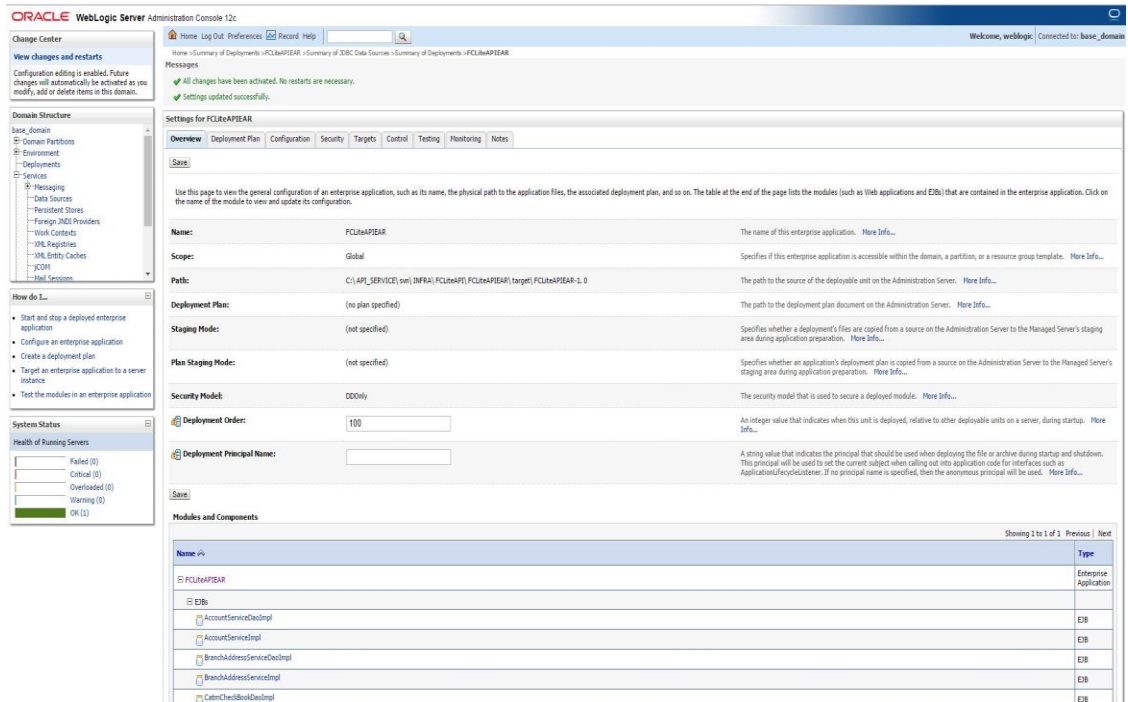
7. Click on 'Next' and the following screen is displayed:



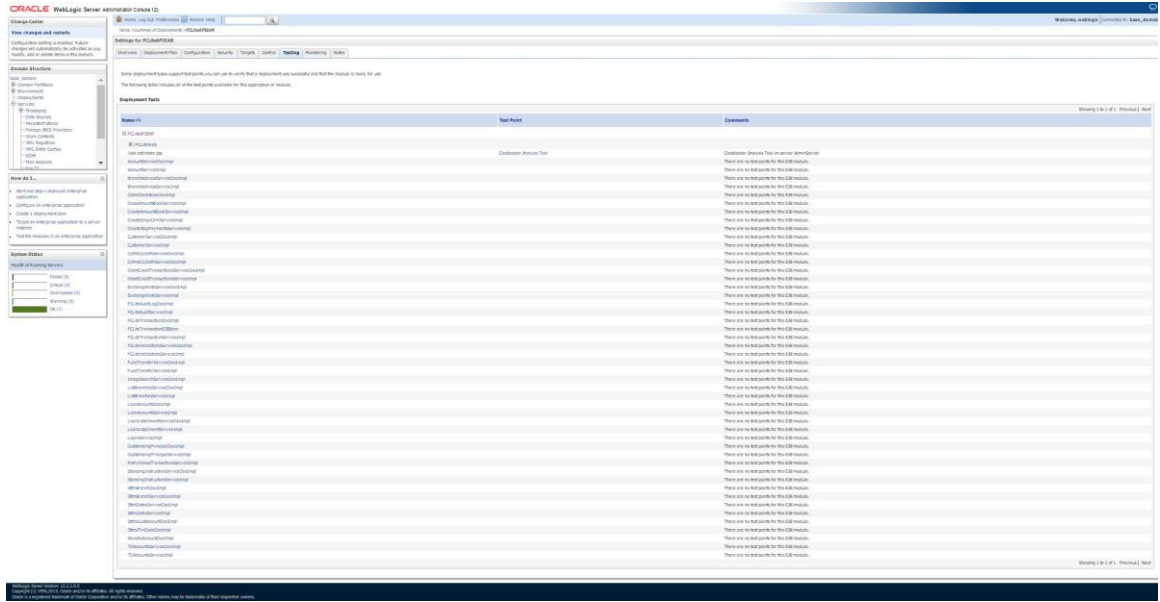
8. Click on 'Finish' and the following screen is displayed:



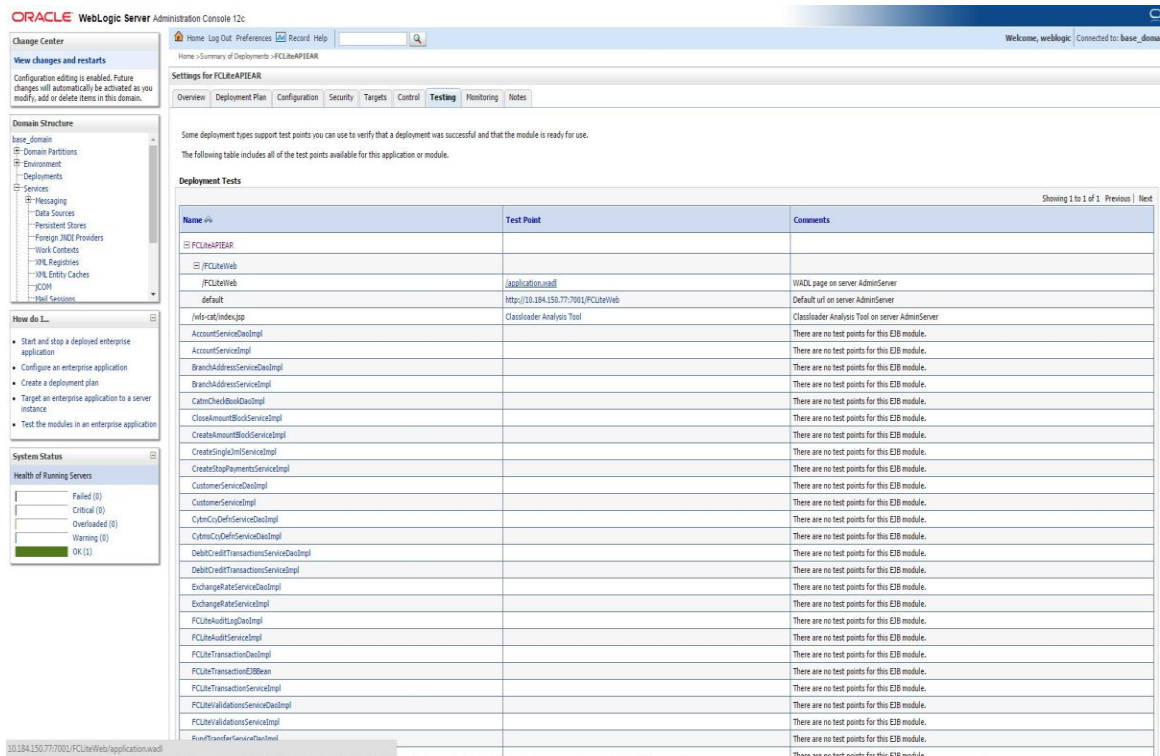
9. Click on 'Save' and the following screen is displayed on top it says "All changes have been activated. No restarts are necessary. Settings updated successfully."



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



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>
```



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