REST API Services Compilation and Build
Oracle FLEXCUBE Universal Banking
Release 12.2.0.0.0
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FINANCIAL SERVICES

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1. FLEXCUBE Universal Banking Solutions

This document describes step to compile the database scripts and building & packing Restful Application.

1.1 Compilation of Database Scripts

The following are the steps to be followed for compiling the Database Scripts in the API Database that will be used by the ReSTFUL Application.

1. Under the folder **RestServices/DB,** there will be a file named BuildRESTSQL.sql.

2. Open the file and change the **DEFINE HOSTDB='FCRNDDB'** to the schema name of the UBS instance, ie if the UBS instance is 'FCUBS122', the provided line should be changed to **DEFINE HOSTDB='FCUBS122'**

3. Post changing that, the script has to be run in SQL Plus (any other Oracle IDE), on the API Database by providing the full path to the same. Eg @{Path}/RestServices/DB/BuildRESTSQL.sql

4. This will execute the necessary scripts to create the views and the tables needed by the ReSTFUL API Application.

1.2 Building and Packing Resful Application

The following are the steps to be followed while building and packing the ReSTFUL Service EAR

1. Install Apache Maven 3.3.9 and set up the **PATH** environment variable to the Maven bin directory
2. Specify the proxy to be used in the file **settings.xml,** which will be available in the directory **{maven_install_directory}\conf**. Sample proxy entry given below.

```
<proxy>

    <id>optional</id>

    <active>true</active>

    <protocol>http</protocol>

    <username></username>

    <password></password>

    <host>www-proxy.us.oracle.com</host>

    <port>80</port>

    <nonProxyHosts>local.net|localhost</nonProxyHosts>
```

</proxy>

3. Install JDK and provide the correct JAVA_HOME path in the environment variables.
4. Download source code from SVN. Open a command prompt/terminal and navigate to lib folder inside the downloaded source code location. (Ex : **RestServices/INFRA/FCLiteAPI/lib**)
5. Inside the **RestServices/INFRA/FCLiteAPI,** there will be a property file named FCLiteAPI.properties, which needs to be modified to provide the values for the below properties.
    a. GW_HTTP_URL – The GW HTTP URL, which needs to be used for POST services for integration with Flexcube.
    b. AUTHENTICATION_SCHEME -Applicable values are FLEXCUBE or NONE.If value is FLEXCUBE all requests will be authenticated with Oracle FLEXCUBE SMS and in the case of NONE, authentication is skipped.Once these properties are updated, the property file needs to be copied and placed inside the Build folder ie inside **RestServices/INFRA/FCLiteAPI/Build.**
6. Execute the **compile.bat** file. This will result in all the artifacts of the EXEC area being created in the Build folder ie inside **RestServices/INFRA/FCLiteAPI/Build.**
7. Once the Build is completed successfully, click on the **package.bat** to create the EAR for the ReSTFUL Application EAR.

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