

REST API Services Compilation and Build
Oracle FLEXCUBE Universal Banking
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Table of Contents

- 1. FLEXCUBE UNIVERSAL BANKING SOLUTION 1-1**
 - 1.1 COMPILATION OF DATABASE SCRIPTS..... 1-1
 - 1.2 BUILDING AND PACKING RESTFUL APPLICATION..... 1-1
 - 1.3 ANNEXURE 1-2

1. FLEXCUBE Universal Banking Solution

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

1.1 Compilation of Database Scripts

Follow the below steps for REST API Database setup.

1. Create separate REST API database schema for ReSTFUL Application.
2. Under the folder **ROFC/RestServices/DB**, there will be a file named **BuildRESTSQL.sql**, which contains scripts for tables and views needed by the ReSTFUL API Application.
3. Run **BuildRESTSQL.sql** in SQL Plus (any other Oracle IDE), on the REST API Database by providing the full path to the same.

Ex: @{\Path}/RestServices/DB/BuildRESTSQL.sql

4. Replicate the REST API database table's data from HOST DB.

Please find the Annexure section for table mappings.

1.2 Building and Packing ReSTFUL 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. navigate to the project home path
i.e : ROFC/**RestServices/INFRA/FCLiteAPI**
5. Modify FCLiteAPI.properties under **RestServices/INFRA/FCLiteAPI/conf/weblogic** or **RestServices/INFRA/FCLiteAPI/conf/websphere** as per the requirements.
6. Execute the **compile.bat** file from project home path. This will generate executable sources in the project build folder.
i.e inside **RestServices/INFRA/FCLiteAPI/Build**.
7. Finally run package-weblogic.bat or package-websphere.bat in **RestServices/INFRA/FCLiteAPI**, which will generate the EAR file at **RestServices/INFRA/FCLiteAPI/Build/FCLiteAPIEAR/target**.
8. Follow the weblogic or websphere deployment doc to deploy the final EAR.

1.3 Annexure

Below table provides the list of REST API database tables and equivalent FLEXCUBE database tables.

REST API DATABASE TABLES	FLEXCUBE DATABASE TABLES
RATM_CURRENT_USERS	SMTB_CURRENT_USERS
RATM_ACCOUNT_SCHEDULES	CLTB_ACCOUNT_SCHEDULES
RATM_CUST_DOMESTIC	STTM_CUST_DOMESTIC
RATM_USER_GLREST	SMTB_USER_GLREST
RATM_HISTORY	ACTB_HISTORY
RATM_GLMASTER	GLTM_GLMASTER
RATM_CCY_DEFN_MASTER	CYTM_CCY_DEFN_MASTER
RATM_OPERATIONS_MASTER	GWTM_OPERATIONS_MASTER
RATM_INSTRUCTION	SITB_INSTRUCTION
RATM_DATES	STTM_DATES
RATM_CONTRACT	CSTB_CONTRACT
RATM_RATES	CYTM_RATES
RATM_CUST_PERSONAL	STTM_CUST_PERSONAL
RATM_BRANCH	STTM_BRANCH
RATM_CUST_ACCOUNT	STTM_CUST_ACCOUNT
RATM_EXT_SYS_FUNCTIONS	GWTM_EXT_SYS_FUNCTIONS
RATM_CONTRACT_MASTER	SITB_CONTRACT_MASTER
RATM_ACCOUNT_CLASS	STTM_ACCOUNT_CLASS
RATM_BANK	STTM_BANK
RATM_CHECK_BOOK	CATM_CHECK_BOOK
RATM_DAILY_LOG	ACTB_DAILY_LOG
RATM_USER_GLEXCEPT	SMTB_USER_GLEXCEPT
RATM_DC_REQUEST	STTM_DC_REQUEST
RATM_CUSTOMER	STTM_CUSTOMER
RATM_ACCOUNT_APPS_MASTER	CLTB_ACCOUNT_APPS_MASTER
RATM_CUST_IMAGE	STTM_CUST_IMAGE
RATM_TRN_CODE	STTM_TRN_CODE
RATM_PRODUCT	STTM_PRODUCT

RATM_ACCOUNT	STTB_ACCOUNT
RATM_USER_ACCCLASS	SMTB_USER_ACCCLASS
RATM_USER	SMTB_USER
RATM_LOAN_ACC	ICTM_ACC
RATM_CIF_SIG_DET	SVTM_CIF_SIG_DET



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