

REST API Services Compilation and Build
Oracle FLEXCUBE Universal Banking
Release 14.3.0.0.0
[May] [2019]



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



REST API Services Compilation and Build
[May] [2019]
Version 14.3.0.0.0

Oracle Financial Services Software Limited
Oracle Park
Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
<https://www.oracle.com/industries/financial-services/index.html>

Copyright © [2007], [2019], Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.