Oracle Financial Services
Compliance Regulatory Reporting
Administration Guide US SAR

Release 2.5.2
September 2018

ORACLE®
FINANCIAL SERVICES

ORACLE®

Oracle Financial Services
Compliance Regulatory Reporting
Administration Guide US SAR

Release 2.5.2
September 2018

Part No: F12503-01

Revision History

The following table describes the revision history of the Oracle Financial Services Compliance Regulatory Reporting Administration Guide US SAR.

Table 1. Revision History

Date	Edition	Description
September 2018	Second edition of 2.5.2	Updating Client Supplied DIM Data section is added in chapter 2, Loading Data into OFSRR.

Contents

Contents

OFS CRR Administration Guide US SAR

About This Guide

This guide provides comprehensive instructions to perform administration activities to configure the Oracle Financial Services Compliance Regulatory Reporting (herein referred to as OFSRR).

This chapter focuses on the following topics:

- Who Should Use this Guide
- How this Guide is Organized
- Where to Find More Information
- Conventions Used in this Guide

Who Should Use this Guide

The *Oracle Financial Services Compliance Regulatory Reporting Administration Guide US SAR* is designed for use by Oracle Financial Services administration users. Their roles and responsibilities, as they operate within the OFSRR application, include the following:

- **System Administrator**: This user configures, maintains, and adjusts the system and is usually an employee of a specific Oracle Financial Services client. The System Administrator maintains user accounts and roles, archives data, and loads data feeds.

How this Guide is Organized

The *Oracle Financial Services Compliance Regulatory Reporting Administration Guide US SAR*, includes the following topics:

- Chapter 1, *OFSRR User Setup*, describes the steps involved in creation of users and user groups.
- Chapter 2, *Loading Data into OFSRR*, explains the steps involved in loading static and product supplied meta data.
- Chapter 3, *Multiple AML Systems*, describes the steps involved in integrating RR application with OFSFCCM / Oracle Mantas 5.x application.
- Chapter 4, *Configuring Parameters*, explains the steps to configure the report lock time period, activity information, and the default jurisdiction.

Where to Find More Information

For more information on OFSRR, refer to the following documents in OHC (Oracle Help Center):

- *Oracle Financial Services Compliance Regulatory Reporting Installation Guide*
- *Oracle Financial Services Compliance Regulatory Reporting Data Model Reference Guide*
- *Oracle Financial Services Compliance Regulatory Reporting United States Suspicious Activity Report User Guide*
- *Oracle Financial Services Compliance Regulatory Reporting Web Services Guide*
- *Oracle Financial Services Compliance Regulatory Reporting ReadMe*

To find additional information about how Oracle Financial Services solves real business problems, see our website at www.oracle.com/financialservices.

Conventions Used in this Guide

Table 1 lists the conventions used in this guide.

Table 1. Conventions Used in this Guide

Convention	Meaning
Italics	● Names of books, chapters, and sections as references ● Emphasis
Bold	● Object of an action (menu names, field names, options, button names) in a step-by-step procedure ● Commands typed at a prompt ● User input
`Monospace`	● Directories and subdirectories ● File names and extensions ● Process names ● Code sample, including keywords and variables within text and as separate paragraphs, and user-defined program elements within text
<Variable>	Substitute input value

CHAPTER 1   *OFSRR User Setup*

This chapter describes how to provide access to users in the OFSRR applications, through user groups.

This chapter includes the following topics:

- Creating Users and User Groups
- Mapping User to Infodom
- Mapping Users To User Groups

Creating Users and User Groups

1. For creating users and user groups, refer to *Oracle Financial Services Analytical Applications Infrastructure User Manual.*

   Note: If you are integrating OFSRR with OFSFCCM, then do not create OFSRR administration user. The OFSFCCM administration user to be used for OFSRR administration as well.

2. Once the users groups are created, map the roles to the user groups as per the following list.

   Note: While creating user groups manually using SMS Analytical Applications Infrastructure (AAI) interface, use the precedence range/values between 3001 to 4000.

- For RR Analyst group, map the following roles:
  - Access to US SARDI Report
  - Reg Report Analyst role
- For RR Supervisor group, map the following roles:
  - Access to US SARDI Report
  - Reg Report Supervisor role
  - RR Supervisor with Edit
- For RR Super User group, map the following roles:
  - Access to US SARDI Report
  - Reg Report Supervisor role
  - RR Supervisor with Edit
  - Reg Report Analyst role
  - RR Admin with Edit
  - Reg Report Admin role
- For RR Auditor group, map the following roles:
  - Access to US SARDI Report
  - Auditor

- For RR Administrator group, map the following roles:

  - Access to US SARDI Report

  - RR Admin with Edit

  - Reg Report Admin role

  - Excel Admin role

- To View the Due Date, map the following role to the required user group:

  - RR Due Date with View

- To View and Edit the Due Date, map the following role to the required user group:

  - RR Due Date with Edit

Table 2. Role Description

Role	Role Description
Analyst	Reg Report Analyst Rol
Supervisor	Reg Report Supervisor Rol
Super User	All Roles (Analyst, Supervisor, Admin) RRALL
Admin User	RR Admin with Edit
System Administrator	Reg Report Admin Rol
Auditor	Access to US SARDI Report (RRUSAUDITOR)

Mapping User to Infodom

Map all RR user groups to RR Infodom. For mapping user groups to infodom, refer to *Oracle Financial Services Analytical Applications Infrastructure User Manual.*

Mapping Users To User Groups

Map all RR users to respective user groups. For information on User to User Group mapping, refer to *Oracle Financial Services Analytical Applications Infrastructure User Manual.*

Configuring US SAR Template

Execute the following script in the Oracle Financial Services Analytical Applications Infrastructure configuration schema:

```
update cssms_role_function_map m set m.v_function_code = 'RRSEDIT'  where m.v_func-
tion_code = 'RRSACC' and m.v_role_code = 'RRANA';
```

CHAPTER 2 *Loading Data into OFSRR*

This chapter covers the following topics:

- Loading Client Specific Data
- Configuring Security Attributes for Users
- Loading Product Supplied Metadata
- Updating Client Supplied DIM Data

Loading Client Specific Data

1. To add client specific security attributes to OFSRR system, navigate to `<ftpshare path>/STAGE/Excelupload/Templates`. The `<ftpshare path>` is the same path given in variable `APP_DRIVE_TM` while installing OFSAAI. For more information, refer *Oracle Financial Services Analytical Applications Infrastructure Installation and Configuration Guide*.

2. Download the following Excel sheets to the Windows machine from the path given in the previous step:

   a. `DIM_DOMAIN1.xlsx`

   b. `DIM_DOMAIN2.xlsx`

   c. `DIM_DOMAIN3.xlsx`

   d. `DIM_DOMAIN4.xlsx`

   e. `DIM_DOMAIN5.xlsx`

   f. `fct_transmitter_info`

   g. `dim_filing_inst`

   h. `dim_users`

   i. `fct_branch_info`

   j. `fct_fininst_info`

   k. `DIM_COUNTRY`

Note: The Dim_country scripts are available in the installer path - <OFS_CRR_PACK>/OFS_CRR/ProductSuppliedMetadata/DIMCountry

3. Add data in each Excel sheet as per your report requirement by referring to *Oracle Financial Services Compliance Regulatory Reporting Data Model Reference Guide*.

4. `DIM_DOMAIN1.xlsx` must be filled with Jurisdictions which are available in OFSFCCM. For more information refer section, *Security Attribute1 Static Information* in the *Oracle Financial Services Compliance Regulatory Reporting Data Model Reference Guide*.

   a. DIM_DOMAIN2.xlsx must be filled with Business Domains which are available in OFSFCCM. For more information refer section, *Security Attribute2 Static Information* in the *Oracle Financial Services Compliance Regulatory Reporting Data Model Reference Guide*.

b. DIM_DOMAIN3.xlsx must be filled with Case Type and Case SubType which are available in OFSFCCM. For more information refer section, Security Attribute3 Static Information in the *Oracle Financial Services Compliance Regulatory Reporting Data Model Reference Guide*.

c. DIM_DOMAIN4.xlsx must be filled with Organizations which are available in OFSFCCM. For more information refer section, Security Attribute4 Static Information in the *Oracle Financial Services Compliance Regulatory Reporting Data Model Reference Guide*.

d. DIM_DOMAIN5.xlsx must be filled with Scenario Classes which are available in OFSFCCM. For more information refer section, Security Attribute5 Static Information in the *Oracle Financial Services Compliance Regulatory Reporting Data Model Reference Guide*.

e. fct_transmitter_info, For more information, refer sectionTransmitter Information in *OOracle Financial Services Compliance Regulatory Reporting Data Model Reference Guide*.

f. DIM_FILING_INST.xlsx: Before loading DIM_FILING_INST table (DIM_FILING_INST.xlsx), it is necessary to upload first DIM_COUNTRY spreadsheet from "../ftpshare/STAGE/ExcelUpload/Templates" folder, otherwise Excel Upload will fail with the following exception:

```
[ETL-EXCELUPLOAD]Failed to upload Record: 2 into DIM_FILING_INST. Exception is:
java.sql.SQLIntegrityConstraintViolationException: ORA-02291: integrity constraint
(MTS_OFSFCCM.FK_DIM_FILING_INST_6) violated - parent key not found
```

For more information, refer section Filing Institution Information in *Oracle Financial Services Compliance Regulatory Reporting Data Model Reference Guide*.

g. dim_users, For more information, refer section User information in *OOracle Financial Services Compliance Regulatory Reporting Data Model Reference Guide*.

h. fct_branch_info, For more information, refer section Branch Information in *OOracle Financial Services Compliance Regulatory Reporting Data Model Reference Guide*.

i. fct_fininst_info, For more information, refer section Financial Institution Information in *OOracle Financial Services Compliance Regulatory Reporting Data Model Reference Guide*.

5. Login to OFSCRR as Admin user created in the previous step.

6. Navigate to `Unified Metadata Manager > Data Entry Forms and Queries > Excel Upload`. The Excel Upload page is displayed.

   Note: After logging into the application, make sure the OFSCRR application Information Domain is selected from the drop-down list at the left hand corner of the page.

7. Click **Browse** under Excel File to Upload.

8. Select the Excel sheet.

9. Click Arrow button next to Browse.

10. Preview the data created under the Preview section.

11. In the Excel - Entity Mappings section, click Arrow.

12. Select the table name with the same name as that of the Excel sheet.

13. Click **Upload**. The following message is displayed: Successfully uploaded data

14. Click **OK**.

> **Note:** Scan the web application server log for any errors after uploading each Excel sheet. For example, for Oracle Weblogic, the web application server log is `wls.out`, for Websphere, the web application server log is `Systemout.log` and `Systemerr.log`.

15. Close the Excel Upload page.

Note: All the data provided in the excel templates are sample data only. The correct data must be updated in the excel before uploading the excel. For more information on the excel upload feature, please refer AAI admin guide.

Configuring Security Attributes for Users

1. If OFSCRR is installed on top of OFSFCCM, click **FCCM**. Navigate to `Administration menu > User Administration > Regulatory Report User's Attribute Administration`. A new page displays a drop-down list containing the OFSCRR users created in the previous step.

<div align="center">OR</div>

2. If OFSCRR is installed as a standalone application, click **Compliance Regulatory Reporting**. A new page displays a drop-down list containing the OFSCRR users created in the previous step.

3. Assign attributes to each user from the drop-down list.

4. Close the Regulatory Report User's Attribute Administration screen.

5. Logout from the OFSCRR application.

6. Login with each created user in the OFSCRR. The Password Reset page opens when the user logs in for the first time immediately after the creation, or every time SYSADMN user resets the password for various reasons, such as when the user forgets the password or when the password is locked.

7. Reset the password. The OFSCRR application login page displays.

   Note: You must log into the application using the new password.

8. If OFSCRR is installed on top of OFSFCCM, click **FCCM** then select the Compliance Regulatory Reporting tab. The OFSCRR application page displays.

<div align="center">OR</div>

9. If OFSCRR is installed as a standalone application, click **Compliance Regulatory Reporting**. The OFSCRR application page displays.

   Note: Follow these steps whenever a new user is added or modified (for User Details, User Group mapping, Roles mapping, Security Attribute mapping, and Password Change) in the OFSCRR application.

Loading Product Supplied Metadata

Follow these steps to configure database:

   Note: The following steps are not required if you already have the OFSFCCM application.

1. Execute the following SQL after updating <CRR Admin User Group> with the User Group name created for the CRR admin user.

   ```
   UPDATE CONFIGURATION SET PARAMVALUE= '<CRR Admin User Group>' WHERE PARAM-
   NAME='UCM_GROUP_NAME';
   ```

```
COMMIT;
```

2. Create a directory 'TempDocument' in parallel to where UPLOAD_AREA_CM directory is created while installing OFSAAI. Refer to the *Oracle Financial Services Analytical Applications Infrastructure Installation and Configuration Guide* for more details.

3. Add the meta data in database by following these steps:

   Note: The following steps can be followed if OFSBDF is installed. If OFSBDF is not installed or OFSCRR is installed as a standalone then run these sql's manually in CRR Atomic schema.

4. Copy following files from ProductSuppliedMetadata folder under Installer Kit to `<OFSBDF_HOME>/database/db_tools/bin`

   For US SAR

   `AtomicUSSAR.cfg and AtomicUSSAR.sql`

   For example:

   ```
   dbscript.execution.users=(system|business|mantas|market|miner|ingest|report|kdd_alt
   io|kdd|algorithms|case|rrs)
   ```

   j. Add the following variables in
       `<OFSBDF_HOME>/database/db_tools/mantas_cfg/db_variables.cfg`

       `rrs=<OFSRR Atomic Schema User Name>`, Refer place holder ##RRS_ATOMIC_USER## in `InstallConfig.xml`

       `RRSINFODOM=<OFSRR Information Domain Name>` , Refer place holder ##INFODOM_1##in

       `InstallConfig.xml`

       `RRSEGMENT=<OFSRR Segment Name>`, Refer place holder ##SEGMENT_1## in `InstallConfig.xml`

   k. Execute the following command

       `<OFSBDF_HOME>/database/db_tools/bin/run_dbbuilder_utility.sh <the appropriate Atomic*.cfg file from step a>`

   l. Enter the password of OFSRR atomic schema user password when it prompts.

   m. Check the `<OFSBDF_HOME>/database/db_tools/logs/db_builder.log` for any error in execution.

Updating Client Supplied DIM Data

Note:

- This is applicable for existing users only.

- This is applicable for user updating the USSAR Final Format version 1.1(asc) to version 1.2(xml).

Once you apply the USSAR XML Regulatory Upgrade patch to cater to the new 1.2 version, you have to update existing DIM Data.

In this new regulatory updates released by FinCen, they have updated codes for various fields. Hence, you to update client supplied DIM Data again in your system.

Refer to the excel sheet for the required table details.

To download the excel sheet, click DIM Data sheet link

You update DIM data in the following ways:

- Updating Directly in the Database
- Updating Using Excel Upload

Updating Directly in the Database

This is the preferred way to update this data as this allows you to update the existing data and you can also get option to select the Meta Data directly in this given tables.

To update directly in the database, follow these steps:

1. Update the following tables:

   - Filing Institution Information(`dim_filing_inst`)
   - Financial Institution Information(`fct_fininst_info`)

2. Run the following query in atomic schema to open the tables for updates.

   - `select * from dim_filing_inst for update;`
   - `select * from fct_fininst_info for update;`

3. Refer to the Excel sheet for the same name as that of the above tables

4. For each table mentioned above, change the column values in the database for the columns that are highlighted in the Excel sheet.

5. In the database, for some of the highlighted columns, a drop-down will appear which displays both old and new codes. The key starting with **10xx** are the new codes. Select the new key whose description matches with the existing code description.

6. In case you don't see drop-down values in the tables, Perform the changes in following way.

   a. Look for the section named **Foreign Constraint** in each sheet for the above mentioned tables (step 1), which provides the corresponding Foreign Key table.column values that needs to be looked up.

   b. For each table mentioned in the section **Foreign Constraint,** a corresponding sheet is available with the same table name, which has the complete set of Metadata (old and new) available.

7. Repeat the exercise for all the mentioned tables in step-1.

Updating Using Excel Upload

To update the data through Excel Upload, remove the old Metadata from following tables and provide the client supplied Metadata again with correct code.

To update using Excel upload, follow these steps:

1. Update the following tables:

   - Filing Institution Information(`dim_filing_inst`)

   - Financial Institution Information(`fct_fininst_info`)

2. Open the given excel document and select the sheet of that particular table.

3. All the highlighted columns indicate the fields which need to be updated with new codes.

4. You will find the reference column details in table.column format in the **Foreign Constraint** section.

5. For each table mentioned in the Foreign Constraint section, a corresponding sheet is available with the same table name, which has the complete set of Metadata (old and new) available. The key starting with **10xx** are the new codes.

6. Provide the key with new code whose description matches with the existing code to update this client supplied Metadata.

7. Repeat the exercise for all the tables mentioned in step 1.

CHAPTER 3

Multiple AML Systems

This chapter covers the following topics:

- Integrating OFSRR Application with OFSFCCM
- Integrating OFSRR Application with Oracle Manatas 5.x

Integrating OFSRR Application with OFSFCCM

OFSFCCM or Oracle Mantas 5.x can be integrated with OFSRR to post alerts or cases to generate reports with Webservice Calls. To know more about Webservices, refer *Oracle Financial Services Regulatory Reporting Webservices Guide*. Both OFSFCCM/Oracle Mantas 5.x and OFSRR application must be configured to use this webservice. This is an optional configuration and is required only when you want to integrate OFSRR with OFSFCCM/Oracle Mantas 5.x.

1. For OFSRR:

   The OFSRR application's Webservice is already configured with a default user name and password. This default password must be reset before performing the OFSRR and OFSFCCM/Oracle Mantas 5.x integration. This step is mandatory from security aspect.

   a. To update password, follow these steps:

      i. Log in as Administrator user.

      ii. Navigate to **Administration > Web Service Configuration > Regulatory Report Web Service**.

      iii. Enter the User ID as rruser. Do not add any other user name.

      iv. Enter the desired password.

      v. Click **Save**.

2. For OFSFCCM:

   a. Login to the OFSFCCM application as Administration User.

   b. Navigate to `FCCM` > `Administration` > `Manage Parameters` > `Manage Common Parameters`.

   c. Select **Deployment Based** in the Parameter Category drop-down list.

   d. Select **Regulatory Report Solution Web Service** from the Parameter Name drop-down list.

   e. Set Parameter Value text box = Y.

   f. Update the OFSRR web service URL by setting Attribute 3 Value: = `<OFSRR URL>/services/InitiateRequest`.

   g. Click **Save**.

   h. To update OFSRR Webservice password in OFSFCCM, Navigate to `FCCM > Administration > Web Service Configuration > Common Web Service`

i. Enter the same password set in OFSRR side in *Enter Password for Regulatory Reporting Web Service* text box and click **Encrypt**.

j. Logout from the application.

Integrating OFSRR Application with Oracle Manatas 5.x

1. For Oracle Mantas 5.x

    a. Update the variables in `<Oracle Mantas Home>/alert_management/alert_mgmt/WEB-INF/classes/conf/mantas_cfg/install.cfg` as follows

        `#RRS Web Service parameters`

        `rrs.userid=rruser`

        `rrs.password= <Encrypt the same password given in step 1 using Change Password Utility of Oracle Mantas 5.x>`

        `rrs.service.url=<OFSRR URL>/services/InitiateRequest`

        `rrs.version=2.5`

        then recreate the war file and deploy in the web application server.

    b. By default, OFSRR Web Service is configured to capture data coming from OFSFCCM. If OFSRR is to be configured to accept data from Oracle Mantas 5.x, then execute the following SQL using OFSRR atomic schema user:

        `UPDATE SETUP_WEBSERVICE_CONFIG SET V_WEB_SERIVICE_URL ='<Mantas 5.x URL>/services/RRSUpdateService ' WHERE V_SOURCE_NAME = 'MANTAS'COMMIT;`

        Note: The above highlighted placeholder needs to be updated with the mantas URL.

    c. For disabling or enabling the feedback to Mantas, execute the following SQL using OFSRR atomic schema user:

        `UPDATE SETUP_WEBSERVICE_CONFIG T SET T.F_ENABLE_FLAG ='<N or Y>' WHERE T.V_SOURCE_NAME = 'MANTAS'COMMIT;`

        To enable feedback, value must be 'Y' and for disabling feedback, it should be 'N'.

Configuring Parameters

This chapter cover the following topics:

Report Lock Period

If any user forgets to logoff from the OFSRR application or if the OFSRR screen is closed while accessing a report, the report gets locked for a pre configured duration. By default, the duration is 60 minutes. This duration can be altered as per your requirement.

Execute the following SQL using OFSRR atomic schema user:

```
UPDATE APPLN_PARAMETERS SET V_ATTRIBUTE_VALUE1= '<DURATION IN MINUTES>'
WHERE V_ATTRIBUTE_NAME1= 'LOCK PERIOD IN MINUTES';
COMMIT;
```

Activity Information

This parameter is set to Y if activity dates/amount needs to be imported from AML. Else the parameter is set to N.

```
UPDATE APPLN_PARAMETERS SET V_ATTRIBUTE_VALUE1 = '<Y or N>' WHERE V_ATTRIBUTE_NAME1 =
'ACTIVITY AMOUNT AND DATES FLAG'COMMIT;
```

Default Domain 1

This parameter identifies the default jurisdiction assignment while creating a report manually in OFSRR.

Execute the following query in OFSRR atomic schema as required

```
UPDATE APPLN_PARAMETERS SET V_ATTRIBUTE_VALUE2 = '<VALUE OF DEFAULT DOMAIN 1>' WHERE
V_ATTRIBUTE_NAME1 = 'ENABLE DEFAULT DOMAIN1';COMMIT;
```

By default the flag to enable default domain 1 on UI is set to Y. OFSRR can be configured not to display any default value for domain 1 in UI while creating new report by setting the flag to N.

Execute the following query in OFSRR atomic schema as required.

```
UPDATE APPLN_PARAMETERS SET V_ATTRIBUTE_VALUE1 = '<Y or N>' WHERE V_ATTRIBUTE_NAME1 =
'ENABLE DEFAULT DOMAIN1';COMMIT;
```