Oracle Financial Services Regulatory Reporting Solution for US Federal Reserve (OFS AGILE RP US FED)

Installation Guide

Release 8.0.8.4.0

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Document Control

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04	December 23, 2021	Updated: Post-installation Steps section for Apache Log4j Issue.
03	November 07, 2019	Updated: Post-installation Steps
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1   Preface

Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack helps the banks to comply with various guidelines issued by US Federal Reserve, including BCBS 239 regulations. It provides integrating risk data reporting systems and enhances the accuracy of reporting in banks. OFS Risk Regulatory Reporting (REG REP) Solution helps in achieving the objectives by enabling preset steps based on the generalization of a set of solutions. This is made possible by:

- Providing a centralized data storage for risk data through relevant subject areas of Financial Services Data Foundation (FSDF).

- Interfacing with a third party reporting tool such as Lombard Risk Reporter Portal to build necessary template reports to meet the regulatory expectations.

Data accuracy of risk reporting is ensured by:

- Data Governance Studio (DGS).

The Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) solution enables financial services organizations to manage and execute regulatory reporting in a single integrated environment. It automates end-to-end processes from data capture through submission with industry-leading solutions. It leverages Oracle Financial Services Analytical Application (OFSAA) and Oracle Financial Services Data Foundation (OFSDF) for managing analytical application data. The AgileREPORTER in Regulatory Reporting (REG REP) Solution enables firms to automate the final mile of the reporting process. It provides pre-built integration to Lombard Risk Reporting, eliminating the need for further manual intervention. The solution ensures data integrity allowing banks to focus more time on analyzing and gaining new business insight from their growing stores of data instead of preparing data and reports with the sole objective of meeting submission deadlines.

This document provides step-by-step instructions to install the Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) Release 8.0.8.4.0.

This chapter discusses the following topics:

- Audience

- Scope

- Prerequisites for the Audience

- How this Guide is Organized

- Documentation Accessibility

- Access to Oracle Support

- Related Documents

- Conventions and Acronyms

1.1   Audience

This Manual is meant for Oracle Financial Services Regulatory Reporting for US Federal Reserve System Administrator. It provides step-by-step instructions necessary for installing the OFS AGILE RP US FED application components.

1.2 Scope

This manual provides a step-wise instruction to install Oracle Financial Services Regulatory Reporting for US Federal Reserve.

1.3 Prerequisites for the Audience

The document assumes you have experience in installing Enterprise components. A good understanding and knowledge of the following is expected from the administrator before starting the actual installation:

- OFSAA Architecture
- Oracle Financial Services Regulatory Reporting for US Federal Reserve Components Architecture
- Deployment of OFSAA Configuration Package on Lombard Risk AgileREPORTER Platform
- UNIX Commands
- Database Concepts and Administrator Commands
- Web Server/ Web Application Server Deployment

1.4 How this Guide is Organized

The Installation Manual is organized into the following sections:

- Prerequisites section identifies the hardware and base software environment that is required for a successful installation and functioning of the Oracle Financial Services Regulatory Reporting for US Federal Reserve.
- Installing the Application section details the steps to be followed during the installation.
- Post installation Activities section details the steps that are required to be performed after a successful installation of Oracle Financial Services Regulatory Reporting for US Federal Reserve.

1.5 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc

1.6 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs for the hearing impaired.

1.7 Related Documents

This section identifies additional documents related to Oracle Financial Services Regulatory Reporting for US Federal Reserve. You can access Oracle documentation online from Documentation Library (OHC):

- Oracle Financial Services Regulatory Reporting for US Federal Reserve Release Notes

- Oracle Financial Services Analytical Applications Infrastructure Environment Check Utility Guide (present in this OHC Documentation Library)

- Oracle Financial Services Analytical Applications Infrastructure Installation Guide 8.0.8.0.0 (present in this OHC Documentation Library)

1.8 Conventions and Acronyms

The conventions and acronyms used in the document are as follows.

Conventions	Description
References to sections or chapters in the manual are displayed in *Italics*. Screen names are displayed in the following manner: Introduction screen Options and buttons are displayed in **Bold**.	
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
OFS AAAI	Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack
RHEL	Red Hat Enterprise Linux
Atomic Schema	Database schema where the application data model is uploaded.
Config Schema	Database schema which contains setup related configurations and metadata.
OFS AGILE RP USFED	Oracle Financial Services Regulatory Reporting for US Federal Reserve

2   Hardware and Software Requirements and Specifications

This section describes the various Operating System, Database, Web Server, and Web Application Server version and other variant details on which this release of the OFS Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) application has qualified.

Refer to the [Technology Matrix](#) for Hardware and Software requirements for this release.

3   Preparing for Installation

This Maintenance Level (ML) Release of OFS AGILE RP US FED is cumulative and includes all enhancements and bug fixes done since the OFS AGILE RP US FED v8.0.8.4.0 release.

This chapter includes the following topics:

- [Obtaining the Software](#)
- [Pre-installation Requirements](#)
- [Installing OFS AGILE RP US FED 8.0.8.4.0 ML](#)
- [Post-installation Steps](#)
- [Post US FED Run Execution](#)
- [Deploying Template Package](#)
- [Deploying Config Package](#)

3.1   Obtaining the Software

This release of OFS AGILE RP US FED 8.0.8.4.0 can be downloaded from the Oracle Support Site (https://support.oracle.com). Log in and search for **30365020** under Patches and Updates.

You need to have a valid Oracle account in order to download the software.

3.2   Pre-installation Requirements

The minimum prerequisite software that must be installed are:

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) 8.0.8.0.0 (patch **29538056**) or above, mandatory one-off patches **29952285** and **30172065**, plus other prerequisite OFSAAI patches (see Section 1.1 Pre-Installation Requirements of [OFS AAI Installation Guide](#)) should be installed and configured in your machine ([OHC](#) Documentation Library).

- Oracle Financial Services Data Foundation (OFSDF) 8.0.8.1.0 (patch **30124064**) or above, mandatory one-off patch **30281084**, plus other prerequisite OFSDF patches (see Section 3.1 Installer and Installation Prerequisites of *OFSDF Installation Guide, version 8.0.8.1.0*) should be installed and configured in your machine ([OHC](#) Documentation Library).

  The [Data Model Changes](#) (Columns and Tables) must be added on top of FSDF 8.0.8.1.0 data model and sliced model upload must be performed. Alternatively, you can download Data Model ERwin file which contains these changes using FSDF Data Model Patch 8.0.8.1.2 (**30477795**).

- Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) 8.0.8.0.0 (patch **29394473**) or above.

- Oracle Financial Services AgileREPORTER Application **8.0.8.0.0** (patch **30309800**) or above.

- Ensure that you have executed **.profile** before you trigger the installation.

- Ensure that the FICServer is up and running before you trigger the installation. For information on restarting the services, Refer *Oracle Financial Services Analytical Applications Infrastructure Release 8.0.2.0.0 Installation Guide* (OHC Documentation Library) for more information.

3.3   Installing OFS AGILE RP US FED 8.0.8.4.0 ML

Perform the following instructions to download, extract and install this ML patch:

1. Search for patch **30365020** under the Patches & Updates tab and download the
   `OFS_AGILE_RP_USFED_8.0.8.4.0_GENERIC.zip` archive file from
   https://support.oracle.com/

2. Copy the archive file to your OFSAA server in **Binary** mode.

3. Shut down all the OFSAA Services. For more information, refer to the Start/Stop Infrastructure Services section in Oracle Financial Services Advanced Analytical Applications Infrastructure Pack Installation Guide – Release 8.0.2.0.0.

> **NOTE**   Ensure that the **FICSERVER** is up and running.

4. Execute `chmod -R 750 $FIC_HOME`

5. If you have an Unzip utility, skip to the next step.

   Download the Unzip utility (OS specific) `unzip_<os>.Z` from the location
   https://updates.oracle.com/unzips/unzips.html and copy it in **Binary** mode to the directory that is included in your PATH variable, typically `$HOME` path or directory in which you have copied the 8.0.8.4.0 ML patch.

   - Uncompress the unzip installer file using the command:

     `uncompress unzip_<os>.Z`

> **NOTE**   If you notice an error message "`uncompress: not found`
> `[No such file or directory]`", contact your UNIX administrator.

6. Execute `chmod 751 OFS_AGILE_RP_USFED_8.0.8.4.0_GENERIC.zip`

7. Execute `unzip -a <name of the file to be unzipped>`

   For example: `unzip -a OFS_AGILE_RP_USFED_8.0.8.4.0_GENERIC.zip`

8. Configure `UPLOAD_MODEL` parameter in the `param.conf` file present under the
   `OFS_AGILE_RP_USFED/conf` directory to determine if Model Upload is required or not:

   0 = If you have already performed Model Upload and want to skip Model Upload process
   1 = If you want to perform Model Upload

9. Navigate to `OFS_AGILE_RP_USFED/bin` directory and execute `./install.sh`

10. The installation progress can be viewed by periodically refreshing the log file under the
    `OFS_AGILE_RP_USFED/logs` directory.

11. After installation is completed, verify the log file for any Errors or Warnings. Contact My Oracle Support in case of any issues.

> **NOTE**   This patch installation has taken approximately 10 minutes to complete in Oracle Labs.

3.4   Post-installation Steps

Perform the following instructions after successful installation of the 8.0.8.4.0 ML patch:

- Apply the OFS AAI **33663417** mandatory patch.

> **ATTENTION**   On the 10th of December 2021, Oracle released Security Alert CVE-2021-44228 in response to the disclosure of a new vulnerability affecting Apache Log4J before version 2.15. The application of the **33663417** Mandatory Patch fixes the issue.
>
> For details, see the My Oracle Support Doc ID 2827801.1.
>
> Ensure that you reapply the **33663417** Mandatory Patch whenever you install or upgrade the application or apply an incremental patch.

- Refer to the log file in the `/OFS_AGILE_RP_USFED/logs` directory to ensure that there are no errors reported.

- Execute atomic.sql file in the Atomic Schema and run the commit command.

- After replacing ##INFODOM## with INFODOM name execute config.sql file in the Config Schema and run the commit command.

- Generate the application EAR / WAR file and redeploy the application on the configured Web Application Server. For more information on generating and deploying EAR / WAR file, refer to the Post Installation Configuration section in Oracle Financial Services Advanced Analytical Applications Infrastructure Pack Installation Guide – Release 8.0.2.0.0.

- Restart all the OFSAA services. For more information, see the Start/Stop Infrastructure Services section in Oracle Financial Services Advanced Analytical Applications Infrastructure Pack Installation Guide – Release 8.0.2.0.0.

- Execute Resave batches to reflect the changes.

- To perform additional steps for secure configuration of drilldown from Agile Reporter portal, see section **Configuration for Referrer Header Validation** in Oracle Financial Services Analytical Applications Infrastructure Security Guide.

- Perform the additional configurations if required as mentioned under the Additional Configurations section in OFS AAAI Release 8.0.2.0.0 Installation Guide.

The Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) is now ready for use. If you encounter any problems during set up, contact OFSAA Support at Oracle Support.

3.5   Post US FED Run Execution

Perform the following instructions after US FED Run Execution:

1. For prior date reporting, please see the [Prior Date Reporting](#) document.

2. Execute **`<<INFODOM>>_REG_RUNEXE_RESAVE`** batch to populate **RUNEXESUMM** table.

   Lombard AgileREPORTER would display additional filters of Run Execution ID and Run Status during report retrieval based on RUNEXESUMM table.

   a. Run Execution ID is Run Execution Identifier concatenated with Run Description.

   b. Run Status shows the status of US FED Run Execution.

   c. Define the entities as SOLO or CONSOLIDATED in Lombard AgileREPORTER before retrieving returns.

3. Execute all the REFRESH batches to refresh the Derived Entities.

3.6 Deploying Template Package

This section describes the steps to deploy the template package after saving the derived entities:

1. To deploy the product configuration on Lombard AgileREPORTER using the package **`OFSAA_RP_TEMPLATE_USFED_80840.zip`** bundled inside the **`Template_Package`** directory of the installer:

   a. Navigate to **`/Template_Package`** under the installer.

   b. Unzip the files with the following command:

   `unzip OFS_RP_TEMPLATE_USFED_80840.zip`

   The **`FED_v1.19.1-b18_sign.lrm`** file is extracted with the above command.

   c. Navigate to the path where AgileREPORTER is installed and then go to the **`/bin`** directory.

   d. Add a new configuration with the following command:

   `./config.sh –p -a <Template_Package Full Path>/<.lrm file>`

   For example:

   `./config.sh –p -a <Template_Package Full Path>/`
   `FED_v1.19.1-b18_sign.lrm`

If you encounter any problems during deployment, contact OFSAA Support at [Oracle Support](#).

4 Hardware/Software Tech Stack Details

The hardware/software combinations required for OFS AGILE RP US FED 8.0.8.4.0 are available at the [OHC Tech Stack](#).

5 Other Software Required

The AgileREPORTER Portal v**19.3.0-b204** and US Federal Reserve (US FED) Templates **FED_v1.19.1-b18_sign** is required for the OFS AGILE RP US FED application.

6   Licensing Information

For details on the third party software tool used, see OFSAA Licensing Information User Manual Release 8.0.8.0.0 available at the [OHC Documentation Library](#).

OFSAAI Support Contact Details

- Contact Infrastructure support at https://flexsupp.oracle.com if you have installed ERM and FCCM applications.

- Raise an SR in https://support.oracle.com if you have any queries related to EPM applications.

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- Did you find any errors?

- Is the information clearly presented?

- Do you need more information? If so, where?

- Are the examples correct? Do you need more examples?

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If you find any errors or have any other suggestions for improvement, indicate the title and part number of the documentation along with the chapter/section/page number (if available) and contact the Oracle Support.

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