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

Installation Guide

Release 8.0.9.5.0

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OFS REGULATORY REPORTING SOLUTION FOR US FEDERAL RESERVE (OFS AGILE RP US FED)

Document Control

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03	December 23, 2021	Updated: Post-installation Steps section for Apache Log4j Issue.
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01	July 21, 2020	Created: Draft published

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1   Preface

Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) 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 centralized data storage for risk data through relevant subject areas of the 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 8.0.9.5.0.

This chapter discusses the following topics:

- [Audience](#)

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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 are 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 or 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 the US Federal Reserve.

1.5   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 if you are hearing impaired.

1.6   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):

- OFS Regulatory Reporting for US Federal Reserve Release Notes

- OFS Analytical Applications Infrastructure Environment Check Utility Guide

- OFS Analytical Applications Infrastructure Installation Guide 8.0.9.0.0

1.7 Conventions and Acronyms

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

Table 1: Conventions Used in this Guide

Conventions	Description
References to sections or chapters in the manual are indicated in *Italics*. Screen names are indicated in the following manner: **Introduction screen** Options and buttons are indicated in **Bold**. Code related text is indicated in `Monospace`.	
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.

See the OFS Analytical Applications 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 includes all enhancements and bug fixes since the OFS AGILE RP US FED v8.0.9.0.0 release.

This chapter includes the following topics:

- Obtaining the Software
- Pre-installation Requirements
- Installing the OFS AGILE RP US FED 8.0.9.5.0 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 8.0.9.5.0 can be downloaded from My Oracle Support website. Log in and search for patch ID **31503680** under the Patches and Updates tab and download the `OFS_AGILE_RP_USFED_8.0.9.5.0_GENERIC.zip` archive file.

You must have a valid Oracle account to download the software.

3.2   Pre-installation Requirements

The prerequisite software that must be installed are as follows:

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) 8.0.9.0.0 (patch ID **30330054**) plus other prerequisite OFSAAI patches (see **Section 2.1 Pre-Installation Requirements** of OFS AAI Installation and Configuration Guide) should be installed and configured in your Machine (OHC Documentation Library).

- Oracle Financial Services Data Foundation (OFSDF) 8.0.9.2.0 (patch ID **31336111**) plus other prerequisite OFSDF patches (see **Section 2.1 Pre-installation Requirements** of OFSDF Installation and Configuration Guide) should be installed and configured in your Machine (OHC Documentation Library).

- Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) 8.0.9.0.0 (patch ID **30557952**) or higher.

- Oracle Financial Services AgileREPORTER Application 8.0.9.0.0 (patch ID **30982178**) must be installed and configured.

- 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, see the OFS Analytical Applications Infrastructure Installation and Configuration Guide – Release 8.0.7.0.0.

3.3   Installing the OFS AGILE RP US FED 8.0.9.5.0 ML

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

1. Copy the downloaded archive file to your OFSAA server in Binary mode.

2. Shut down all the OFSAA Services. For more information, see the *Stopping Infrastructure Services* section in the OFS Advanced Analytical Applications Infrastructure Pack Installation and Configuration Guide – Release 8.0.2.0.0.

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

3. Execute `chmod -R 750 $FIC_HOME`

4. 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 8.0.9.5.0 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.

5. Execute `chmod 751 OFS_AGILE_RP_USFED_8.0.9.5.0_GENERIC.zip`

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

    For example: `unzip -a OFS_AGILE_RP_USFED_8.0.9.5.0_GENERIC.zip`

7. Configure the `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

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

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

10. 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

After successful installation of the 8.0.9.5.0 ML patch, follow these steps:

- 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.

- See the log file in the `/OFS_AGILE_RP_USFED/logs` directory to ensure that there are no errors reported.
- After replacing ##INFODOM## with INFODOM name and ##SEGMENT## with SEGMENT name, execute the USFED_80950_Config_Post_Script.sql file in the Config Schema.
- Execute the USFED_80950_Atomic_Post_Script.sql file in the Atomic Schema.
- Generate the application EAR or WAR file and redeploy the application on the configured Web Application Server. For more information on generating and deploying the EAR or WAR file, see the *Post Installation Configuration* section in the OFS Advanced Analytical Applications Infrastructure Pack Installation and Configuration Guide – Release 8.0.7.0.0.
- Resave the Derived Entity for the reports FRY-9C, FFIEC-031 and FFIEC-041 to reflect the changes.
- Restart all the OFSAA services. For more information, see the *Starting Infrastructure Services* section in the OFS Advanced Analytical Applications Infrastructure Pack Installation and Configuration Guide – Release 8.0.7.0.0.
- Perform the Source Model generation for US FED Processing Source. For more information, see the *Generating Source Models* section in the OFS Advanced Analytical Applications Infrastructure Pack Installation Guide – Release 8.0.7.0.0

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 My Oracle Support.

3.5 Post US FED Run Execution

After the US FED Run execution, follow these steps:

1. For prior date reporting, see the Prior Date Reporting document.

2. Execute the `<<INFODOM>>_REG_RUNEXE_RESAVE` batch to populate RUNEXESUMM table if you are not using the FFIEC-002 or FFIEC-002S reports.

3. If you are using the FFIEC-002 or FFIEC-02S reports, then execute the `<Installer Path>/OFS_REG_REP_USFED/Post_Scripts/RUNEXESUMM_VW.sql` script in the atomic schema.

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

a. Run Execution ID is the 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.

4. Execute the REFRESH batches to refresh the Derived Entities.

3.6 Deploying Template Package

After saving the derived entities, follow these steps to deploy the template package:

1. To deploy the product configuration on Lombard AgileREPORTER using the package `OFSAA_RP_TEMPLATE_USFED_80950.zip` bundled inside the `Template_Package` directory of the installer:

   a. Navigate to the `/Template_Package` directory inside the installer.

   b. Unzip the files with the following command:

   ```
   unzip OFS_RP_TEMPLATE_USFED_80950.zip
   ```

   The `FED_v1.22.0-b27_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_v1.22.0-b27_sign.lrm
   ```

3.7 Deploying Config Package

After saving the derived entities, follow these steps to deploy the config package:

1. To deploy the product configuration on AgileREPORTER using the package `OFSAA_REG_REP_USFED_80950.zip` bundled inside Config_Package directory of installer:

   a. Navigate to the `<LombardAgileREPORTER>/bin` directory under the installed location.

   b. Add a new configuration with the following command:

   ```
   ./config.sh -a <Config_Package Full Path>
   ```

   For example:

   ```
   ./config.sh –a /scratch/kit/80950/OFS_AGILE_RP_USFED/Config_Package/
   OFSAA_REG_REP_USFED_80950.zip
   ```

2. Update the Alias with the following command:

   ```
   ./config.sh -ea OFSAA_REG_REP_USFED_80950 -iv 8.0.9.5.0 -alias "OFSAA FED
   DATA SOURCE" –aif <LombardAgileREPORTER>/bin/aliasinfo.properties
   ```

If you encounter any problems during deployment, contact OFSAA Support at <u>My Oracle Support</u>.

4   Hardware or Software Technology Stack Details

The hardware or software combinations required for OFS AGILE RP US FED 8.0.9.0.0 are available at the OFS Analytical Applications Technology Matrix.

5   Other Software Required

The AgileREPORTER Portal v**20.2-b124** and US Federal Reserve (US FED) Templates **FED_v1.22.0-b27_sign** is required for the OFS AGILE RP US FED application.

6   Licensing Information

For details on the third party software tool used, see the OFSAA Licensing Information User Manual Release 8.0.9.0.0.

OFSAA Support

Raise a Service Request (SR) in My Oracle Support (MOS) for queries related to the OFSAA applications.

Send Us Your Comments

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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?

- What features did you like most about this manual?

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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