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

Installation Guide

Release 8.0.7.3.0

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Financial Services

DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
1.1	Updated: December 2021	Updated the Post-installation Steps section for Apache Log4j Issue.
1.0	Created: April 2019	Document contents are categorized to appropriate sections and structured considering all the 8.0.7.3.0 features.
Created by: Naveen Harry D'Cruz	Reviewed by: Subin Menon	Approved by: Siju Menon

Executive Summary

The document consists of all the installation, Pre and Post configuration procedures which have been structured considering all the 8.0.7.3.0 features. You can find the latest copy of this document in OHC Documentation Library which includes all the recent additions/revisions (if any) done till date.

Before you begin the installation, ensure that you have an access to Oracle Support Portal with the required login credentials to quickly notify us for any specific issues. You can obtain one by contacting Oracle Support Services.

TABLE OF CONTENTS

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 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 8.0.7.3.0.

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

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.

Scope

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

Prerequisites for the Audience

Following are the expected preparations before starting the actual installation:

The document assumes you have experience in installing Enterprise components. Basic knowledge about the Oracle Financial Services Data Foundation Application Pack components, OFSAA Architecture, UNIX commands, Database concepts and Web Server/ Web Application Server is recommended.

How this Guide is Organized?

The Installation Manual is organized into the following chapters.

- **Pre Requisites** 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.

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

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.

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 User Guide

- Oracle Financial Services Data Foundation Installation Manual Release 8.0.7.0.0 Java 7 and Java 8

- Oracle Financial Services AgileREPORTER Installation Manual Release 8.0.7.3.0

- Oracle Financial Services Analytical Applications Infrastructure Installation Guide 8.0.7.0.0 (present in this OHC Documentation Library)

Conventions and Acronyms

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 US FED	Oracle Financial Services Regulatory Reporting for US Federal Reserve.

1   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.

2   Preparing for Installation

This chapter provides necessary information to review before installing the OFS AGILE RP US FED Application v8.0.7.3.0. This chapter includes the following topics:

- Obtaining the Software
- Prerequisites for Installation
- Installing OFS AGILE RP US FED 8.0.7.3.0 ML
- Post-installation Steps

2.1   Obtaining the Software

This release of OFS AGILE RP US FED 8.0.7.3.0 can be downloaded from the Oracle Support site (https://support.oracle.com/). Log in and search for **29394393** under Patches & Updates.

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

2.2   Prerequisites for Installation

This installer has Fresh install capabilities and following are the prerequisites to install OFS AGILE RP US FED application.

2.2.1   Prerequisite for Upgrade from v8.0.7.1.0 to v8.0.7.3.0

The following prerequisites are required to install the OFS AGILE RP US FED application:

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) 8.0.7.0.0 (patch **28226275**) 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) 8.0.7.0.0 (patch **28929704**) plus other prerequisite OFSDF patches (see **Section 3.1 Installer and Installation Prerequisites** of *OFSDF Installation Guide*) should be installed and configured in your Machine (OHC Documentation Library).
- OFS AgileREPORTER **8.0.7.1.0** application should be installed and configured in your Machine.
- OFS AGILE RP US FED **8.0.7.1.0** application should be installed and configured in your Machine.
- Execute the following script in the ATOMIC SCHEMA followed by Commit command:
  FSI_PRE_80730.sql
- 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.

> **NOTE:** FDIC-370 report requires OFSDF 8.0.7.0.2 one-off patch as prerequisite.

2.2.2 Prerequisite for Upgrade from v8.0.7.2.0 to v8.0.7.3.0

The following prerequisites are required to install the OFS AGILE RP US FED application:

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) 8.0.7.0.0 (patch **28226275**) 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) 8.0.7.1.0 (patch **29327317**) plus other prerequisite OFSDF patches (see **Section 3.1 Installer and Installation Prerequisites** of *OFSDF Installation Guide*) should be installed and configured in your Machine (OHC Documentation Library).
- OFS AgileREPORTER **8.0.7.3.0** application should be installed and configured in your Machine.
- OFS AGILE RP US FED **8.0.7.2.0** application should be installed and configured in your Machine.
- Execute the following script in the ATOMIC SCHEMA followed by Commit command:

  FSI_PRE_80730.sql

- 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.

2.3 Installing OFS AGILE RP US FED 8.0.7.3.0 ML

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

1. Search for patch **29394393** under the *Patches & Updates* tab and download the **OFS_AGILE_RP_USFED_8.0.7.3.0_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 8.0.7.3.0 ML.

   o 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_8.0.7.3.0_GENERIC.zip**

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

   For example: **unzip -a OFS_AGILE_RP_USFED_8.0.7.3.0_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 20 minutes to complete in Oracle Labs.

2.4 Post-installation Steps

Perform the following instructions after successful installation of the 8.0.7.3.0 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.

- 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 **##INFODOM##_SYNC_ADJUSTMENT_CELLS** batch for adjustment entries.
- Execute Resave batches to reflect the changes.
- Perform the additional configurations if required as mentioned under the *Additional Configurations* section in *OFS AAAI Release 8.0.2.0.0 Installation Guide*.

2.4.1 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.

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   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 AgileREPORTER using the package
    OFS_RP_TEMPLATE_USFED_80730.zip bundled inside the **Template_Package**
    directory of the installer:

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

    b. Unzip the files with the following command:

    unzip OFS_RP_TEMPLATE_USFED_80730.zip

    The **AR_FED_Package_v1_17_0_9.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>/
    AR_FED_Package_v1_17_0_9.lrm**

4   Deploying Config Package

This section describes the steps to deploy the config package after saving the derived entities.

4.1   Deploying Config Package for Upgrade from v8.0.7.1.0 to v8.0.7.3.0

1. To deploy the product configuration on Lombard AgileREPORTER using the package
   OFSAA_REG_REP_USFED_80730.zip bundled inside the
   Config_Package_80712_Upgrade folder of installer:

   a. Navigate to **<LombardAgileREPORTER>/bin** 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/80730/OFS_AGILE_RP_USFED/Config_Package_80712_Upgrade
      /OFSAA_REG_REP_USFED_80730.zip**

   c. Update the Alias with the following command:

      **./config.sh -ea OFSAA_REG_REP_USFED_80730 -iv 8.0.7.3.0 -alias
      "OFSAA FED DATA SOURCE" -aif
      <LombardAgileREPORTER>/bin/aliasinfo.properties**

4.2   Deploying Config Package for Upgrade from v8.0.7.2.0 to v8.0.7.3.0

1. To deploy the product configuration on Lombard AgileREPORTER using the package
   OFSAA_REG_REP_USFED_80730.zip bundled inside the
   Config_Package_80720_Upgrade folder of installer:

   a. Navigate to **<LombardAgileREPORTER>/bin** 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/80730/OFS_AGILE_RP_USFED/Config_Package_80720_Upgrade
      /OFSAA_REG_REP_USFED_80730.zip**

   c. Update the Alias with the following command:

      **./config.sh -ea OFSAA_REG_REP_USFED_80730 -iv 8.0.7.3.0 -alias
      "OFSAA FED DATA SOURCE" -aif
      <LombardAgileREPORTER>/bin/aliasinfo.properties**

If you encounter any problems during deployment, contact OFSAA Support at Oracle Support.

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Oracle Corporation
World Headquarters
500 Oracle Parkway
Redwood Shores, CA 94065
U.S.A.

Worldwide Inquiries:
Phone: +1.650.506.7000
Fax: +1.650.506.7200
www.oracle.com/us/industries/financial-services/