Oracle Financial Services Regulatory Reporting Solution for US Federal Reserve – Lombard Risk Integration Pack

Installation Guide

Release 8.0.9.1.0

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Document Control

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05	December 23, 2021	Updated: Post-installation Steps section for Apache Log4j Issue
04	21-Feb-2020	Updated: Model version in Prerequisites for Installation section
03	17-Feb-2020	Updated: Prerequisites for Installation section
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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).

This document provides step-by-step instructions to install the Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack (OFS REG REP US FED) Release 8.0.9.1.0.

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 – Lombard Risk Integration Pack System Administrator. It provides step-by-step instructions necessary for installing the OFS REG REP 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– Lombard Risk Integration Pack.

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 – Lombard Risk Integration Pack 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 – Lombard Risk Integration Pack.

- 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 – Lombard Risk Integration Pack.

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 – Lombard Risk Integration Pack. You can access Oracle documentation online from Documentation Library (OHC):

- Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack User Guide

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

- Oracle Financial Services Analytical Applications Infrastructure Installation Guide 8.0.9.0.0 (present in this OHC Documentation Library)

1.8 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 REG REP USFED	Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack

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 – Lombard Risk Integration Pack (OFS REG REP US FED) application has qualified.

Refer to the Technology Matrix for Hardware and Software requirements for this release.

3 Preparing for Installation

This Minor Release of OFS REG REP US FED – Lombard Risk Integration Pack is cumulative and includes all enhancements and bug fixes done since the OFS REG REP US FED – Lombard Integration Pack v8.0.9.0.0 release. For more information, refer the Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack User Guide Release 8.0.9.1.0 on OHC.

3.1 Obtaining the Software

This release of OFS REG REP US FED 8.0.9.1.0 can be downloaded from the Oracle Support Site (https://support.oracle.com). Log in and search for **30855376** under Patches and Updates.

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

3.2 Prerequisites for Installation

This installer has Fresh install capabilities and following are the prerequisites to install OFS REG REP US FED application:

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) 8.0.9.0.0 (patch **30330054**) 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) 8.0.9.0.0 (patch **30324968**) 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).

  The Data Model Changes (Columns and Tables) must be added on top of FSDF 8.0.9.0.0 data model and sliced model upload must be performed.

- Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack 8.0.9.0.0 (patch **30557951**).

- AgileREPORTER version **19.4.2-b163**

- AgileREPORTER Templates version **AgileREPORTER for FED v1.20.1-b19**

- 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 REG REP US FED 8.0.9.1.0 ML

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

1. Search for patch **30048965** under the Patches & Updates tab and download the `OFS_REG_REP_USFED_8.0.9.1.0_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 8.0.9.1.0 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_REG_REP_USFED_8.0.9.1.0_GENERIC.zip`

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

   For example: `unzip -a OFS_REG_REP_USFED_8.0.9.1.0_GENERIC.zip`

8. Configure `UPLOAD_MODEL` parameter in the `param.conf` file present under the `OFS_REG_REP_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_REG_REP_USFED/bin` directory and execute `./install.sh`

10. The installation progress can be viewed by periodically refreshing the log file under the `OFS_REG_REP_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 8.0.9.1.0 Minor release:

- 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_REG_REP_USFED/logs` directory to ensure that there are no errors reported.

- After replacing ##INFODOM## with INFODOM name, execute the **USFED_80910_Config_Post_Script.sql** file in the Config Schema and execute 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.

- Perform Source Model generation for US FED Processing Source. For more information, see the Generating Source Models section in [Oracle Financial Services Advanced Analytical Applications Infrastructure Pack Installation Guide – Release 8.0.2.0.0](#)

- [Optional] There are components introduced to support Backward Compatibility Sourcing issues. The changes in the seeded dimension values can impact the sourcing in the Staging layer as the values expected in the reporting condition can mismatch with the existing source data. To support the old values along with the new configurations, you can use Backward Compatibility Data Transformation batch for every MIS Date along with the regular Run Chart executions.

  Refer to the backward Compatibility Support section in [Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack User Guide – Release 8.0.9.1.0](#).

The Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack (OFS REG REP 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 Config Package

This section describes the order to deploy the config package after saving the derived entities:

1. To deploy the product configuration on AgileREPORTER using the package **OFSAA_REG_REP_USFED_80910.zip** bundled inside **Config_Package** directory of installer:

   a. Navigate to **<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/80910/OFS_REG_REP_USFED/
   Config_Package/OFSAA_REG_REP_USFED_80910.zip
   ```

2. Update the Alias with the following command:

   ```
   ./config.sh -ea OFSAA_REG_REP_USFED_80910 -iv 8.0.9.1.0 -alias "OFSAA
   FED DATA SOURCE" –aif /scratch/agile/bin/aliasinfo.properties
   ```

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

OFSAAI Support Contact Details

Raise an SR in [My Oracle Support (MOS)](#) if you have any queries related to EPM, ERM, and FCCM applications.

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- 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?

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