

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

Installation Guide

Release 8.0.9.8.0

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ORACLE®
Financial Services

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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 the 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).

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 8.0.9.8.0.

This chapter discusses the following topics:

- [Audience](#)
- [Scope](#)
- [Prerequisites for the Audience](#)
- [How this Guide is Organized](#)
- [Access to Oracle Support](#)
- [Related Documents](#)
- [Conventions and Acronyms](#)

1.1 Audience

This guide 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 guide 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 are 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 Guide 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 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 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 – Lombard Risk Integration Pack. You can access Oracle documentation online from Documentation Library ([OHC](#)):

- [OFS Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack User Guide](#)
- [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 following conventions and acronyms are used in the document.

Table 1: Conventions Used in this Guide

Conventions	Description
	References to sections or chapters in the guide are indicated in <i>Italics</i> . Screen names are indicated in the following manner: Introduction screen Options and buttons are indicated in Bold . Code related text is indicated in <code>Monospace</code> .
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
OFS AAI	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 versions 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.

See the [OFS Analytical Applications Technology Matrix](#) for Hardware and Software requirements for this release.

3 Preparing for Installation

This Maintenance Level Release of OFS REG REP US FED – Lombard Risk Integration Pack includes all enhancements and bug fixes since the OFS REG REP US FED – Lombard Integration Pack v8.0.9.0.0 release. For more information, see the [OFS Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack User Guide](#) Release v8.0.9.0.0.

3.1 Obtaining the Software

This release of OFS REG REP US FED v8.0.9.8.0 can be downloaded from [My Oracle Support](#) website. Log in and search for **32566533** under the Patches and Updates tab and download the `OFS_REG_REP_USFED_8.0.9.8.0_GENERIC.zip` archive file.

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

3.2 Prerequisites for Installation

This installer has fresh install capabilities and the following are the minimum 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 2.1 Pre-installation Requirements** of [OFS AAI Installation Guide](#)) needs to be installed and configured in your Machine ([OHC](#) Documentation Library).
- Oracle Financial Services Data Foundation (OFSDF) 8.0.9.4.0 (patch **32107412**), 8.0.9.4.1 (patch **32310622**) plus other prerequisite OFSDF patches (see **Section 2.1 Pre-installation Requirements** of [OFSDF Installation Guide](#)) needs to be installed and configured in your Machine ([OHC](#) Documentation Library).
- Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack 8.0.9.0.0 (patch **30557951**) or higher.
- AgileREPORTER version **21.1.0-b200**.
- AgileREPORTER Templates version **AgileREPORTER for FED v1.24.2**.
- Ensure that you have executed the .profile file 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 Release 8.0.2.0.0 Installation Guide](#) for more information.

3.3 Installing OFS REG REP US FED 8.0.9.8.0 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 Guide – Release 8.0.7.0.0](#).

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 8.0.9.8.0 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_REG_REP_USFED_8.0.9.8.0_GENERIC.zip`
6. Execute `unzip -a <name of the file to be unzipped>`
For example: `unzip -a OFS_REG_REP_USFED_8.0.9.8.0_GENERIC.zip`
7. Configure the `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 using the following parameter values:
0 = If you have already performed Model Upload and want to skip the Model Upload process
1 = If you want to perform Model Upload
8. Navigate to the `OFS_REG_REP_USFED/bin` directory and execute `./install.sh`
9. The installation progress can be viewed by periodically refreshing the log file in the `OFS_REG_REP_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

The post-installation steps required for this 8.0.9.8.0 ML release are as follows:

- 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_REG_REP_USFED/logs` directory to ensure that there are no errors reported.
- After replacing `##INFODOM##` with INFODOM name for USFED, execute the [USFED 80980 Config Post Script.sql](#) file in the Config Schema.
- Execute the [USFED 80980 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 EAR or WAR files, see the *Post Installation Configuration* section in the [OFS Advanced Analytical Applications Infrastructure Pack Installation Guide – Release 8.0.7.0.0](#).
- Derived Entities in the following batch are the processing derived entities for data aggregation with ready-to-use partition enabled using run Skey. Hence, these derived entities must not be modified for partitions.
 - `INFODOM_RESAVE_DE_REG_COMMON_REG_RUN` (batch for resaving the Derived Entities of US FED RUN common Reg Fund Lend T2Ts)
- Execute this batch `INFODOM_RESAVE_BASE_DE_OF_FRAS_T2T` (batch for resaving the Derived Entities of US FED RUN common Reg T2Ts).
- `INFODOM_REG_RUN_T2T_SEQUENCE_RESET`- This batch must be executed as part of Run Chart before execution of any RUN or Batch of the execution day. This batch helps to reset the sequence of the tables which use the synthetic column as primary key.
- Resave the Derived Entity for the reports FFIEC-031, FFIEC-041, FRY-9C, FRY-15, and FFIEC-009 if you are upgrading from the REG REP USFED v8.0.9.7.0.
- Resave the Derived Entity for the reports FFIEC-031, FFIEC-041, FRY-9C, FRY-15, FFIEC-009, and FRY-14M, if you are upgrading from the REG REP USFED v8.0.9.6.3.
- Resave the Derived Entity for the reports FFIEC-031, FFIEC-041, FRY-9C, FRY-15, FFIEC-009, FRY-14M, and FRY-14Q if you are upgrading from the REG REP USFED v8.0.9.6.0.
- Restart all the OFSAA services.
For more information, see the *Starting Infrastructure Services* section in the [OFSs Advanced Analytical Applications Infrastructure Pack Installation 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 – Lombard Risk Integration Pack (OFS REG REP US FED) is now ready for use. If you encounter any problems during setup, 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 the **RUNEXESUMM** table if you are not using the FFIEC-002 or FFIEC-002S reports.
 If you are using the FFIEC-002 or FFIEC-002S reports, then execute the <Installer Path>/OFS_REG_REP_USFED/Post_Scripts/RUNEXESUMM_VW.sql file in 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.
3. Execute the REFRESH batches to refresh the Derived Entities.

3.6 Deploying Config Package

This section describes the steps 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_80980.zip bundled inside the **Config_Package** directory of the installer:
 - a. Navigate to the <LombardAgileREPORTER>/bin directory inside 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/80980/OFS_REG_REP_USFED/  
Config_Package/OFSAA_REG_REP_USFED_80980.zip
```
2. Update the Alias with the following command:

```
./config.sh -ea OFSAA_REG_REP_USFED_80980 -iv 8.0.9.8.0 -alias "OFSAA  
FED DATA SOURCE" -aif /scratch/agile/bin/aliasinfo.properties
```

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

OFSAA Support Contact Details

Raise an SR in [My Oracle Support \(MOS\)](#) if you have any queries related to the OFSAA applications.

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