## Oracle Financial Services Regulatory Reporting for US Federal Reserve -Lombard Risk Integration Pack

**Installation Guide** 

Release 8.1.0.0.0

December 2021





OFS Regulatory Reporting for US Federal Reserve - Lombard Risk Integration Pack (OFS REG REP USFED) Installation Guide

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## **Document Control**

Version Number	Revision Date	Change Log
03	December 23, 2021	Updated: Post-installation Steps section for Apache Log4j Issue
02	February 18, 2021	Updated: Final version published
01	November 26, 2020	Created: Draft published

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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 USFED) Release 8.1.0.0.0.

#### 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 document 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 USFED application components.

#### 1.2 Scope

This document provides a step-wise instruction to install Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack (OFS REG REP USFED).

## 1.3 Prerequisites for the Audience

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

## 1.4 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 Lombard Risk Integration Pack.
- **Preparing for the Installation** section details the steps to be followed during the installation and post-installation.
- Deploying Package section details the steps to deploy config and template packages after the 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 <a href="http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info">http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info</a>

Or visit <a href="http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs">http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs</a> 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 <a href="OHC">OHC</a> Documentation Library:

- OFS Regulatory Reporting for US Federal Reserve Lombard Risk Integration Pack (OFS REG REP USFED) User Guide Release 8.1.0.0.0
- OFS Data Foundation Installation Manual Release 8.1.0.0.0
- OFS AgileREPORTER Installation Manual Release 8.0.9.5.0
- OFS Analytical Applications Infrastructure Environment Check Utility Guide (present in this OHC Documentation Library)
- OFS Analytical Applications Infrastructure Installation Guide 8.1.0.0.0

# 1.7 Conventions and Acronyms

The following conventions and acronyms are used in this document.

**Table 1: Conventions and Descriptions** 

Conventions	Description
References to sections or chapters in the manual are indicated in <i>Italics</i> .	
Screen names are indicated in the following manner: <b>Introduction</b> screen	
Options and buttons are indicated in <b>Bold</b> .	
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 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 USFED) application has qualified.

See the <u>OFS Analytical Applications Technology Matrix</u> for Hardware and Software requirements for this release.

## 3 Preparing for Installation

This chapter provides the necessary information to review before installing the OFS REG REP USFED Application v8.1.0.0.0.

#### Topics:

- Download the OFS RE REP USFED Application Pack Installer
- Prerequisites for Installation
- Prerequisites for an Upgrade Installation
- Installing OFS REG REP USFED 8.1.0.0.0 Release
- Upgrading to OFS REG REP USFED 8.1.0.0.0 Release
- Post-installation Steps
- Post US FED Run Execution

# 3.1 Download the OFS REG REP USFED Application Pack Installer

To download the OFS REG REP USFED Application Pack installer Release v8.1.0.0.0, follow these steps:

1. Log in to the Oracle Software Delivery Cloud with a valid Oracle account.

Oracle Software Delivery Cloud

Welcome - Let's get started

Sign In Create Account

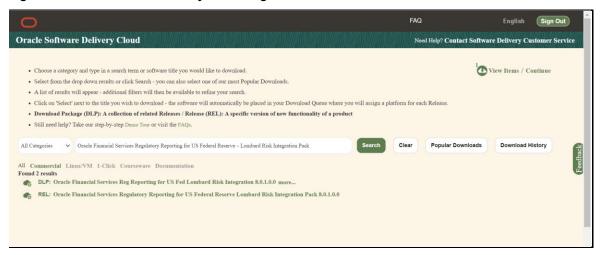
Forgoi usernname or password?

See a quick, introductory tour of the download process

Figure 1: Oracle Software Delivery Cloud Login Page

2. Search for the full product name **Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack** and download the installer archive.

Figure 2: Oracle Software Delivery Cloud Page



**3.** Copy the installer archive into the download directory (in Binary mode) in the setup identified for the OFS REG REP USFED Application Pack installation.

## 3.2 Prerequisites for a New Installation

The following are the prerequisites to install the OFS REG REP USFED application:

Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) v8.1.0.0.0 plus other
prerequisite OFSAAI patches (see Section 4 Pre-installation of OFS AAI Installation and
Configuration Guide in the OHC Documentation Library) must be installed and configured in
your machine.

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) v8.1.0.1.0 (patch 31529396) plus other prerequisite OFSAAI patches (see Section 2.1 Pre-installation Requirements of OFS AAI Installation Guide in the OHC Documentation Library) must be installed and configured in your machine.
- Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.0.0.0 plus other prerequisite OFSDF patches (see Section 4.1 Pre-installation Checklist of the OFSDF Installation and Configuration Guide in the OHC Documentation Library) must be installed and configured on your machine.
- Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.0.1.0 patch (31775876) plus other prerequisite OFSDF patches (see Section 2.1 Pre-installation Requirements of the OFSDF Installation and Configuration Guide) must be installed and configured on your machine.
- Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.0.1.2 patch (32120541) plus other prerequisite OFSDF patches (see Section 3.2 Prerequisites of the OFSDF Release Notes) must be installed and configured on your machine.
- Download the Oracle Financial Services Regulatory Reporting Key Indicator Data Model v8.1.0.0.0 (patch 32504669) and apply the same from the User Interface (Using Sliced Model Upload Option).
- AgileREPORTER version 20.2.0
- AgileREPORTER Templates version FED v1.22.0
- Ensure that you have executed the .profile file before you trigger the installation.

## 3.3 Prerequisites for an Upgrade Installation

The following are the prerequisites to install the OFS REG REP USFED application:

- Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.0.9.2.0 patch (31336111) plus other prerequisite OFSDF patches (see Section 2.1 Pre-installation Requirements of the OFSDF Installation Guide) must be installed and configured on your machine.
- Oracle Financial Services Regulatory Reporting for US Federal reserve-Lombard Risk Integration Pack Release 8.0.9.5.1 patch (31643359) must be installed and configured on your machine.
- AgileREPORTER version 20.2.0-b124
- AgileREPORTER Templates version FED v1.22.0-b27\_sign
- Ensure that you have executed the .profile file before you trigger the installation.

## 3.4 Installing OFS REG REP USFED 8.1.0.0.0 Release

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

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 *Stop the Infrastructure Services* section in OFS Advanced Analytical Applications Infrastructure Pack Installation and Configuration Guide.
- 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 <a href="https://updates.oracle.com/unzips/unzips.html">https://updates.oracle.com/unzips/unzips.html</a> 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 8.1.0.0.0 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 8.1.0.0.0 GENERIC.zip
- 6. Execute unzip -a <name of the file to be unzipped>
  For example: unzip -a OFS\_REG\_REP\_USFED\_8.1.0.0.0\_GENERIC.zip
- 7. Navigate to the appsLibConfig/conf directory containing the Silent.template file.
- 8. Create a copy of this file and rename the copy as Silent.props.
- 9. Edit the Silent.props file and specify the parameters as per the requirements.

The following table lists all the properties that must be specified.

Table 2: List of Properties and Parameters for the Silent.props File

Property Name	Description of Property	Permissible Values	Comments
LOG_MODE	Mode for logging.	1 = Debug 0 = General	OPTIONAL. The default is 0.
INFODOM_NA ME	Specify the name of the Information Domain (Infodom) into which you wish to install.	For example: FSDF809INF	MANDATORY. Specify Infodom Name Value where the FSDF Application is installed.
APPFTP_LOG_P ATH	Specify the Infodom App Maintenance log path.	For example: /scratch/ofsaadb/ftpshare/ FSDF809INF/logs	MANDATORY. Path value must be the same as the path which was given during the FSDF installation.
DBFTP_LOG_P ATH	Specify the Infodom DB Maintenance log path.	For example: /scratch/ofsaadb/ftpshare/ FSDF809INF/logs	MANDATORY. Path value must be the same as the path which was given during the FSDF installation.

Property Name	Description of Property	Permissible Values	Comments
SEGMENT_1_C ODE	Specify the European Banking Authority Segment Code.	For example: USFEDSEG	MANDATORY.
ETL_APPSRC_T YPE	Specify if you want to create a new ETL App or Src pair or use an existing one.	0 = If you want to create a new ETL Source 1 = If you want to use an existing Source	MANDATORY. The default is 0.
ETL_SRC_1_NA ME	Specify the ETL Source Name where ETL Area Definitions are deployed.	For example: USFEDPROC	MANDATORY.
ETL_SRC_1_DES C	Specify the description for the ETL Source.	For example: USFEDDESC	MANDATORY when ETL_APPSRC_TYPE = 0.
ENABLE_CONC URRENCY	Specify if you want to Enable Parallel Processing.	0 = No 1 = Yes	OPTIONAL
CONCURRENCY _LEVEL	Specify if you want to Enable Parallel Processing.	For example: CONCURRENCY_LEVEL=10, which means 10 threads created for parallelism	MANDATORY when ENABLE_CONCURRENCY=1.

- **10.** Execute the user .profile file.
- 11. Navigate to the OFS REG REP USFED/bin directory and execute ./setup.sh SILENT
- **12.** The installation progress can be viewed by periodically refreshing the log file under the OFS\_REG\_REP\_USFED/logs directory.
- **13.** After installation is completed, verify the log file for any Errors or Warnings. Contact My Oracle Support in case of any issues.

NOTE	The installation has taken approximately 23 minutes to complete in Oracle Labs.
NOTE	Follow the above installation procedure to upgrade from REG REP USFED 8.0.x to REG REP USFED 8.1. by specifying the properties and parameters in the Silent.props file appropriately.

## 3.5 Upgrading to OFS REG REP USFED 8.1.0.0.0 Release

Perform the following instructions to upgrade to OFS REG REP USFED 8.1 release:

- Download the Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) v8.1.0.0.0 and install it in your existing environment.
   For more information, see OFS AAI Installation and Configuration Guide.
- **2.** Download the OFS Data Foundation Upgrade Utility and execute it in your environment. For more information, see OFS FSDF Installation and Configuration Guide.
- 3. Execute the <a href="FSDF\_SCD\_Prescript.sql">FSDF\_SCD\_Prescript.sql</a> file in the Atomic Schema.
- **4.** After replacing ##INFODOM## with INFODOM name, execute the <u>USFED\_Config\_Prescripts.sql</u> file in the Config Schema.
- **5.** Execute the <u>USFED Atomic Pre-scripts.sql</u> file in the Atomic Schema.
- **6.** Download the Oracle Financial Services Data Foundation (OFSDF) Erwin File Release v8.1.0.0.0 patch (**30812072**) and merge it with the existing custom model if any, then upload that data model from the AAI User Interface (Using Incremental Model Upload Option).
- **7.** Download the Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.0.0.0 and install it in your existing environment by selecting UPLOAD\_MODEL=0 (# 0 = If you have already performed Model Upload and want to skip the model upload process). For more information, see the OFS FSDF Installation and Configuration Guide.
- **8.** Download the Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.0.1.0 patch (**31775876**) and install it in your existing environment by selecting UPLOAD\_MODEL=0 (# 0 = If you have already performed Model Upload and want to skip the model upload process). For more information, see the OFS FSDF Installation Guide ).
- **9.** Download the Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.0.1.2 patch (**32120541**) and install it in your existing environment. For more information, see the OFS FSDF Release Notes.
- **10.** Apply the FSDF Post-scripts from FSDF Upgrade Utility.
- **11.** Download the Oracle Financial Services Regulatory Reporting Key Indicator Data Model v8.1.0.0.0 (patch **32504669**) and apply the same from the User Interface (Using Sliced Model Upload Option).
- **12.** Download and install the OFS REG REP USFED v8.1.0.0.0 in your existing environment.

#### 3.6 Post-installation Steps

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

**1.** 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 <u>2827801.1</u>.

Ensure that you reapply the **33663417** Mandatory Patch whenever you install or upgrade the application or apply an incremental patch.

- **2.** See the log file in the **/OFS\_REG\_REP\_USFED/logs** directory to ensure that there are no errors reported. Contact My Oracle Support in case of any issues.
- **3.** After replacing ##INFODOM## with INFODOM name(do not replace ## STAGING##) execute the <u>USFED\_81000\_Config\_Post\_Script.sql</u> file in the Config\_Schema.
- **4.** Execute the <u>USFED\_81000\_Atomic\_Post\_Script.sql</u> file in the Atomic Schema.
- **5.** 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 Steps* section in the <u>OFS Advanced Analytical Applications Infrastructure Pack Installation and Configuration Guide</u>.
- **6.** Restart all the OFSAA services. For more information, see the *Start the Infrastructure Services* section in the <u>OFS Advanced Analytical Applications Infrastructure Pack Installation and Configuration Guide</u>.
- 7. Perform the Source Model generation for US FED Processing Source. For more information, see the *Generating Source Models* section in the <u>OFS Advanced Analytical Applications Infrastructure Pack User Guide Release 8.0.7.0.0</u>.

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 My Oracle Support.

#### 3.7 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.
  - For more information on Derived Entity Resave, see the MOS.

## 4 Deploying Config Package

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

- To deploy the product configuration on AgileREPORTER using the package
   OFSAA\_REG\_REP\_USFED\_8.1.0.zip bundled inside the Config\_Package folder of the 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/810/OFS_ REG_REP_USFED/Config_Package/
OFSAA REG REP USFED 8.1.0.zip
```

2. Update the Alias with the following command:

```
./config.sh -ea OFSAA_REG_REP_USFED_8.1.0 -iv 8.1.0.0.0 -alias "OFSAA FED DATA SOURCE" -aif scratch/agile/bin/aliasinfo.properties
```

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

# **OFSAA Support**

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

#### **Send Us Your Comments**

Oracle welcomes your comments and suggestions on the quality and usefulness of this publication. Your input is an important part of the information used for revision.

- 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 Oracle Support.

Before sending us your comments, you might like to ensure that you have the latest version of the document wherein any of your concerns have already been addressed. You can access the My Oracle Support site that has all the revised/recently released documents.

