

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

Installation Guide

Release 8.1.1.0.0

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ORACLE
Financial Services

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

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Table of Contents

- 1 Preface..... 5**
 - 1.1 Audience 5
 - 1.2 Scope..... 5
 - 1.3 Prerequisites for the Audience 5
 - 1.4 How this Guide is Organized 6
 - 1.5 Access to Oracle Support 6
 - 1.6 Related Documents 6
 - 1.7 Conventions and Acronyms 7
- 2 Hardware and Software Requirements and Specifications..... 8**
- 3 Preparing for Installation..... 8**
 - 3.1 Obtaining the Software..... 8
 - 3.2 Prerequisites for a New Installation 8
 - 3.3 Installing OFS REG REP USFED 8.1.1.0.0 Release 9
 - 3.4 Prerequisites for an Upgrade Installation from 8.0.x to 8.1.x 11
 - 3.5 Upgrading to OFS REG REP USFED from 8.0.x to 8.1.1.0.0 Release 11
 - 3.6 Post-installation Steps 12
 - 3.7 Post US FED Run Execution..... 13
- 4 Deploying Config Package 14**

1 Preface

Oracle Financial Services Regulatory Reporting for US Federal Reserve – 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 Vermeg 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 – Integration Pack (OFS REG REP USFED) Release 8.1.1.0.0.

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 – 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 stepwise instruction to install Oracle Financial Services Regulatory Reporting for US Federal Reserve – 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 – Integration Pack Components Architecture,

Deployment of OFSAA Configuration Package on Vermeg 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:

- **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 – 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 – 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 – Integration Pack. You can access Oracle documentation online from [OHC](#) Documentation Library:

- *OFS Regulatory Reporting for US Federal Reserve – Integration Pack (OFS REG REP USFED) User Guide Release 8.1.1.0.0*
- *OFS Analytical Applications Infrastructure Installation Guide 8.1.1.0.0*
- *OFS Data Foundation Installation Manual Release 8.1.1.0.0*
- *OFS Data Foundation Installation Manual Release 8.1.1.1.0*
- *OFS Analytical Applications Infrastructure Environment Check Utility Guide* (present in this [OHC](#) Documentation Library)

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: 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 REG REP USFED	Oracle Financial Services Regulatory Reporting for US Federal Reserve – 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 – Integration Pack (OFS REG REP USFED) application has qualified.

See the [OFS Analytical Applications Technology Matrix](#) 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 v8.1.1.0.0.

Topics:

- [Obtaining the Software](#)
- [Prerequisites for a New Installation](#)
- [Installing OFS REG REP USFED 8.1.1.0.0 Release](#)
- [Prerequisites for an Upgrade Installation from 8.0.x to 8.1.x](#)
- [Upgrading from OFS REG REP USFED 8.0.x to 8.1.1.0.0 Release](#)
- [Post-installation Steps](#)
- [Post US FED Run Execution](#)

3.1 Obtaining the Software

This release of OFS REG REP US FED v8.1.1.0.0 can be downloaded from the [My Oracle Support](#) website. Log in and search for **32489654** under the Patches and Updates tab and download the `OFS_REG_REP_USFED_8.1.1.0.0_GENERIC.zip` archive file.

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

3.2 Prerequisites for a New Installation

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

- Install and Configure Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) v8.1.1.0.0 (patch **31574757**) and other prerequisite OFSAAI patches (see *Section 4 Pre-installation of [OFS AAI Installation and Configuration Guide](#)*) on your machine.
- Install and Configure Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) One-off patches on your machine in the following order:
 - **32548944**
 - **32163060**
 - **32761898**

- **32792265**
- Install and Configure Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.1.0.0 (patch **32257272**) and other prerequisite OFSDF patches (see *Section 4.1 Pre-installation Checklist* of the [OFSDF Installation and Configuration Guide](#)) on your machine.
- Install and Configure Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.1.1.0 (patch **32677985**) and other prerequisite OFSDF patches (see *Section 2.1 Pre-installation Requirements* of the [OFSDF Installation and Configuration Guide](#)) on your machine.
- Download the Oracle Financial Services Regulatory Reporting Key Indicator Data Model v8.1.1.1.0 (patch **32896577**) and apply the same from the User Interface (Using Sliced Model Upload Option).
- AgileREPORTER version **21.1.0-b200**
- AgileREPORTER Templates version **FED v1.24.2-b14**
- Ensure that you have executed the .profile file before you trigger the installation.

3.3 Installing OFS REG REP USFED 8.1.1.0.0 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 <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 8.1.1.0.0 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.

It is recommended you extract the contents (unzip) of every installer in a separate folder. Do not use one single folder to unzip contents of different release or patches as some files could be overwritten.

5. Execute `chmod 751 OFS_REG_REP_USFED_8.1.1.0.0_GENERIC.zip`
6. Execute `unzip -a <name of the file to be unzipped>`
For example: `unzip -a OFS_REG_REP_USFED_8.1.1.0.0_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_NAME	Specify the name of the Information Domain (Infodom) into which you wish to install.	For example: FSDF811INF	MANDATORY. Specify Infodom Name Value where the FSDF Application is installed.
APPFTP_LOG_PATH	Specify the Infodom App Maintenance log path.	For example: /scratch/ofsaadb/ftpshare/ FSDF811INF/logs	MANDATORY. Path value must be the same as the path which was given during the FSDF installation.
DBFTP_LOG_PATH	Specify the Infodom DB Maintenance log path.	For example: /scratch/ofsaadb/ftpshare/ FSDF811INF/logs	MANDATORY. Path value must be the same as the path which was given during the FSDF installation.
SEGMENT_1_CODE	Specify the US Federal Reserve Segment Code.	For example: USFEDSEG	MANDATORY.
ETL_APPSRC_TYPE	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_NAME	Specify the ETL Source Name where ETL Area Definitions are deployed.	For example: USFEDPROC	MANDATORY.
ETL_SRC_1_DESC	Specify the description for the ETL Source.	For example: USFEDDESC	MANDATORY when ETL_APPSRC_TYPE = 0.
ENABLE_CONCURRENCY	Specify if you want to Enable Parallel Processing.	0 = No 1 = Yes	MANDATORY.
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.x by specifying the properties and parameters in the `Silent.props` file appropriately.

3.4 Prerequisites for an Upgrade Installation from 8.0.x to 8.1.x

The following are the prerequisites to upgrade the OFS REG REP USFED application from 8.0.x to 8.1.x release:

- Install and configure Oracle Financial Services Regulatory Reporting for US Federal Reserve-Integration Pack Release 8.0.7.0.0 patch (**28877382**) or higher on your machine.

3.5 Upgrading to OFS REG REP USFED from 8.0.x to 8.1.1.0.0 Release

Perform the following instructions to upgrade from OFS REG REP USFED 8.0.x to 8.1.1.0.0 release:

1. Download the Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) v8.1.1.0.0 (patch **31574757**) 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. After replacing `##INFODOM##` with INFODOM name, execute the [USFED Config Pre-scripts.sql](#) file in the Config Schema.
4. Update cache size of Metadata Objects under `DynamicServices.xml` under `$FIC_HOME/conf` with required values according to metadata in the system.
For example, `<PARAMETER NAME="DATASET_CACHE_SIZE" VALUE="3000"/>` is the default value. This should be increased to a larger value if there are a greater number of datasets present in the system than the default value.
Say you have 5000 datasets, then you can update it to `<PARAMETER NAME="DATASET_CACHE_SIZE" VALUE="6000"/>` assuming 1000 more may get created
5. Ensure to restart all the OFSAA services after updating the `DynamicServices.xml`.

6. Download the Oracle Financial Services Data Foundation (OFSDf) Erwin File Release v8.1.1.0 patch (**32681554**) and merge it with the existing custom model if any. 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 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 v8.1.1.0 patch (**32257272**) 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 v8.1.1.0 patch (**32677985**) 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](#)).
10. Apply the FSDf Post-scripts from FSDf Upgrade Utility.
11. Install and Configure Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) One-off patches on your machine in the following order:
 - 32548944
 - 32163060
 - 32761898
 - 32792265
12. Install and Configure Oracle Financial Services Data Foundation (OFSDf) One-off patches on your machine in the following order:
 - 32547703
 - 33017858
13. Download the Oracle Financial Services Regulatory Reporting Key Indicator Data Model v8.1.1.0 (patch **32896577**) and apply the same from the User Interface (Using Sliced Model Upload Option).
14. Download and install the OFS REG REP USFED v8.1.1.0.0 in your existing environment as mentioned in the [section 3.3](#).

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 [2827801.1](#).

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. Replace `##INFODOM##` with INFODOM name and execute the [USFED 81100 Config Script.sql](#) file in the Config Schema.
4. 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 [OFS Advanced Analytical Applications Infrastructure Pack Installation and Configuration Guide](#).
5. Restart all the OFSAA services.
For more information, see the *Start the Infrastructure Services* section in the [OFS Advanced Analytical Applications Infrastructure Pack Installation and Configuration Guide](#).
6. 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 User Guide – Release 8.1.1.0.0](#).

The Oracle Financial Services Regulatory Reporting for US Federal Reserve – Integration Pack (OFS REG REP US FED) is now ready for use. If you encounter any problems during the setup, 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:

1. To deploy the product configuration on AgileREPORTER using the package OFSAA_REG_REP_USFED_81100.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/811/OFS_REG_REP_USFED/Config_Package/OFSAA_REG_REP_USFED_81100.zip
```
2. Update the Alias with the following command:

```
./config.sh -ea OFSAA_REG_REP_USFED_81000 -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

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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?

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