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

Installation Guide

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ORACLE
Financial Services

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OFS Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) Installation Guide

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1 Preface

This preface provides supporting information for the Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) Release Notes.

Topics:

- Overview of OFSAA
- Purpose of This Document
- Intended Audience
- Access to Oracle Support
- How this Guide is Organized
- Related Documents
- Conventions and Acronyms

1.1 Overview of OFSAA

In today's turbulent markets, financial institutions require a better understanding of their risk-return, while strengthening competitive advantage and enhancing long-term customer value. Oracle Financial Services Analytical Applications (OFSAA) enable financial institutions to measure and meet risk-adjusted performance objectives, cultivate a risk management culture through transparency, lower the costs of compliance and regulation, and improve insight into customer behavior.

OFSAA uses industry-leading analytical methods, shared data model, and applications architecture to enable integrated risk management, performance management, customer insight, and compliance management. OFSAA actively incorporates risk into decision-making, enables achieving a consistent view of performance, promotes a transparent risk management culture, and provides pervasive intelligence.

Oracle Financial Services Analytical Applications delivers a comprehensive, integrated suite of financial services analytical applications for both banking and insurance domains.

1.2 Purpose of this Document

This document contains release information for Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED).

1.3 Intended Audience

This document is intended for users of Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED).

1.4 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.

1.5 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 – 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.

1.6 Related Documents

This section identifies additional documents related to OFS AGILE RP US FED Application 8.1.2.1.0. You can access Oracle documentation online from the Documentation Library (OHC).

- *OFS Regulatory Reporting for US Federal Reserve (OFS AGILE RP USFED) User Guide Release 8.1.2.1.0*
- *OFS Data Foundation Installation Manual Release 8.1.2.1.0*
- *OFS Data Foundation Installation Manual Release 8.1.2.1.0*
- *OFS AgileREPORTER Installation Manual Release 8.1.0.0.2*
- *OFS Analytical Applications Infrastructure Environment Check Utility Guide (present in this OHC Documentation Library)*
- *OFS Analytical Applications Infrastructure Installation Guide 8.1.2.1.0*
- *OFS Analytical Applications Technology Matrix*

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 *Italics*. 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 AGILE RP USFED	Oracle Financial Services Regulatory Reporting for US Federal Reserve

2 Introduction to Oracle Financial Services Regulatory Reporting for US Federal Reserve

Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) Pack helps banks 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. The 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 Oracle Financial Services Regulatory Reporting for US Federal Reserve (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.

OFS Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) is a separately licensed product.

Topics:

- Obtaining the Software
- Prerequisites for Installation
- Installing OFS AGILE RP USFED 8.1.2.1.0 Release
- Post-installation Steps
- Post US FED Run Execution
- Deploying Template Package
- Integration with Agile REPORTER

2.1 Obtaining the Software

This release of OFS AGILE RP USFED v8.1.2.1.0 can be downloaded from the My Oracle Support website. Log in and search for **35114937** under the Patches and Updates Tab and download the **`OFS_AGILE_RP_USFED_8.1.2.1.0_GENERIC.zip`** archive file.

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

2.2 Prerequisites for Installation

The following are the prerequisites to install the OFS AGILE RP USFED 8.1.2.1.0 application:

- Install and Configure Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) v8.1.2.0.0 (patch **32791983**) 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 Data Foundation (OFSDF) Application Pack Release v8.1.2.0.0 (patch **32820351)** 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 Agile REPORTER Release v8.1.2.0.0 (patch **34006800**) on your machine.
- Install and Configure Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.2.1.0 (patch **33716139)** and other prerequisite OFSDF Patches (see *Section 4.1 Pre-installation Checklist* of the OFSDF Installation and Configuration Guide) on your machine.
- Ensure that you have executed the .profile file before you trigger the installation.

2.3 Installing this AGILE RP USFED 8.1.2.1.0 Release

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

1. Copy the downloaded archived file to your OFSAA Server in Binary Mode.
2. Shut down all the OFSAAI Services.
   For more information, see the *Stopping Infrastructure Services* Section in the OFS Analytical Applications Infrastructure Installation and Configuration Guide Release.

   > **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 8.1.2.1.0 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 –R 751 OFS_AGILE_RP_USFED_8.1.2.1.0_GENERIC.zip`
6. Execute `unzip -a <name of the file to be unzipped>`

   For example: `unzip -a OFS_AGILE_RP_USFED_8.1.2.1.0_GENERIC.zip`

> **NOTE** The above "-a" option is mandatory to unzip the patch. If you notice an error message "*unzip: not found [No such file or directory]*", contact your UNIX Administrator to resolve the issue.

7. Navigate to the `appsLibConfig/conf directory containing the params.conf` 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.

Property Name	Description of Property	Permissible Values	Comments
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	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_AGILE_RP_USFED/bin` directory and execute `./setup.sh SILENT`
12. The installation progress can be viewed by periodically refreshing the log file under the `OFS_AGILE_RP_USFED/logs` directory.

    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 required approximately 10 minutes to complete in Oracle Test Labs.

2.4 Post-installation Steps

Follow these steps after a successful installation of the 8.1.2.1.0 release:

- See the log file in the `/OFS_AGILE_RP_USFED/logs` directory to ensure that no errors are reported.
- 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 Configuration* Section in the OFS Analytical Applications Infrastructure Installation and Configuration Guide.
- Restart all the OFSAA Services.
  For more information, see the *Starting Infrastructure Services* Section in the OFS Analytical Applications Infrastructure Installation and Configuration Guide.

- To perform additional steps for secure configuration of drill-down from the AgileREPORTER portal, see the *Configuration for Referrer Header Validation* Section in the OFS Analytical Applications Infrastructure Security Guide.
- Perform the additional configurations, if required, as mentioned under the *Additional Configurations* Section in the OFS Analytical Applications Infrastructure Installation and Configuration Guide.

The Oracle Financial Services Regulatory Reporting for US Federal Reserve is now ready for use. If you encounter any problems during the setup, contact OFSAA Support at My Oracle Support.

2.5 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.
   For more information on Derived Entity Resave, see the MOS.

2.6 Deploying Template Package

After saving the derived entities, follow these steps to deploy the Template Package:

1. To deploy the product configuration on Lombard AgileREPORTER using the package `OFS_AR_TEMPLATE_USFED_81210.zip` bundled inside the `Template_Package` directory of the installer:

   a. Navigate to the `/Template_Package` directory inside the installer.

   b. Unzip the files with the following command:

   ```
   unzip OFS_AR_TEMPLATE_USFED_81210.zip
   ```

   The `FED_v22.12.2-b25_sign.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>/FED_v22.12.2-
b25_sign.lrm
```

3 Integration with Agile REPORTER

This section provides information on how to integrate with Agile REPORTER for Last Mile Reporting using either Product Seeded Mapping Logic (Config Package) or Dynamic Mapping Logic (Dynamic Integration Package) in the application.

3.1 Deploying Config Package

This section describes the steps to deploy the Config Package after saving the derived entities. This Config Package consists of the Reporting Logic seeded by the product for each line item.

1. To deploy the product configuration on AgileREPORTER using the package `OFSAA_REG_REP_USFED_81210.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/812/OFS_REG_REP_USFED/Config_Package/
      OFSAA_REG_REP_USFED_81210.zip
      ```

2. Update the Alias with the following command:

   ```
   ./config.sh -ea OFSAA_REG_REP_USFED_81210 -iv 8.1.2.1.0 -alias
   "OFSAA FED DATA SOURCE" -aif scratch/agile/bin/aliasinfo.properties
   ```

3.2 Deploying Dynamic Integration Package

This section describes the steps to deploy the Dynamic Integration Package after saving the derived entities and performing the Report Publish. This Integration Package consists of the Reporting Logic seeded by the product as a Key Value pair for each line item. The Key Value can be controlled through report publish and therefore, the final reporting is dynamic.

1. To deploy the product configuration on AgileREPORTER using the package `OFSAA_REG_REP_USFED_81210.zip` bundled inside the `Dynamic_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 <Dynamic_Package Full Path>
      ```

      For example:

      ```
      ./config.sh -a/scratch/ofsaaapp1/kit/81210/KIT_OFS_REG_REP_USFED
      /OFS_REG_REP_USFED/Dynamic_Integration_Package/OFSAA_REG_REP_USFED_8
      1210.zip
      ```

2. Update the Alias with the following command:

   ```
   ./config.sh -ea OFSAA_REG_REP_USFED_81210 -iv 8.1.2.1.0 -alias
   "OFSAA FED DATA SOURCE" -aif scratch/agile/bin/aliasinfo.properties
   ```

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

4 Hardware or Software Technology Stack Details

The hardware or software combinations required for OFS AGILE RP US FED 8.1.2.1.0 are available at the OFS Analytical Applications Technology Matrix.

5 Licensing Information

For details on the third-party software tool used, click this link: OFSAA Licensing Information User Manual Release 8.1.2.1.0 .

OFSAA Support

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

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