Oracle Financial Services Regulatory Reporting for US Treasury – Integration Pack

Installation Guide

Release 8.1.1.0.0

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OFS Regulatory Reporting for US Treasury – Integration Pack (OFS REG REP US Treasury) Installation Guide

Document Control

Version Number	Revision Date	Change Log
03	December 20, 2021	Updated: Post-installation Steps section for Apache Log4j Issue.
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1   Preface

Oracle Financial Services Regulatory Reporting for US Treasury – Integration Pack helps the banks to comply with various guidelines issued by the US Treasury, 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's 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 Treasury – Integration Pack (OFS REG REP US Treasury) 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 Treasury – Integration Pack System Administrator. It provides step-by-step instructions necessary for installing the OFS REG REP US Treasury application components.

1.2   Scope

This document provides a stepwise instruction to install Oracle Financial Services Regulatory Reporting for US Treasury – Integration Pack (OFS REG REP US Treasury).

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 Treasury – 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 Treasury - 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 Treasury – 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 Treasury – Integration Pack. You can access Oracle documentation online from OHC Documentation Library:

- *OFS Regulatory Reporting for US Treasury – Integration Pack (OFS REG REP US Treasury) User Guide Release 8.1.1.0.0*

- OFS *Data Foundation Installation Manual Release 8.1.1.1.0*

- OFS *AgileREPORTER Installation Manual Release 8.0.9.6.1*

- *OFS Analytical Applications Infrastructure Environment Check Utility*

- *OFS Analytical Applications Infrastructure Installation Guide 8.1.1.0.0*

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 *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 REG REP US Treasury	Oracle Financial Services Regulatory Reporting for US Treasury – 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 Treasury – Integration Pack (OFS REG REP US Treasury) application has qualified.

See the OFS Analytical Applications Technology Matrix for Hardware and Software requirements for this release.

2.1 Verifying the System Requirements

To verify that the system environment meets the minimum requirements for the installation, a Pre-Install Check utility is available within the Install Kit archive file. This utility can also be obtained separately by contacting Oracle Support.

The system environment verification is an integral and automated part of the installation of this software product. However, Oracle strongly recommends running this utility prior to beginning the installation as part of your organization's "Installation Readiness Verification Process".

NOTE	For more details on download and usage of this utility, see Oracle Financial Services Analytical Applications Infrastructure Environment Check Utility Guide (OHC Documentation Library).

3 Preparing for Installation

This chapter provides the necessary information to review before installing the OFS REG REP US Treasury Application v8.1.1.0.0.

Topics:

- Download the OFS REG REP US Treasury Application Pack Installer
- Prerequisites for Installation
- Pre-installation Steps
- Installing OFS REG REP US Treasury 8.1.1.0.0 Release
- Post-installation Steps

3.1 Download the OFS REG REP US Treasury Application Pack Installer

To download the OFS REG REP US Treasury Application Pack Installer Release v8.1.1.0.0, follow these steps:

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

Figure 1: Oracle Software Delivery Cloud Login Page
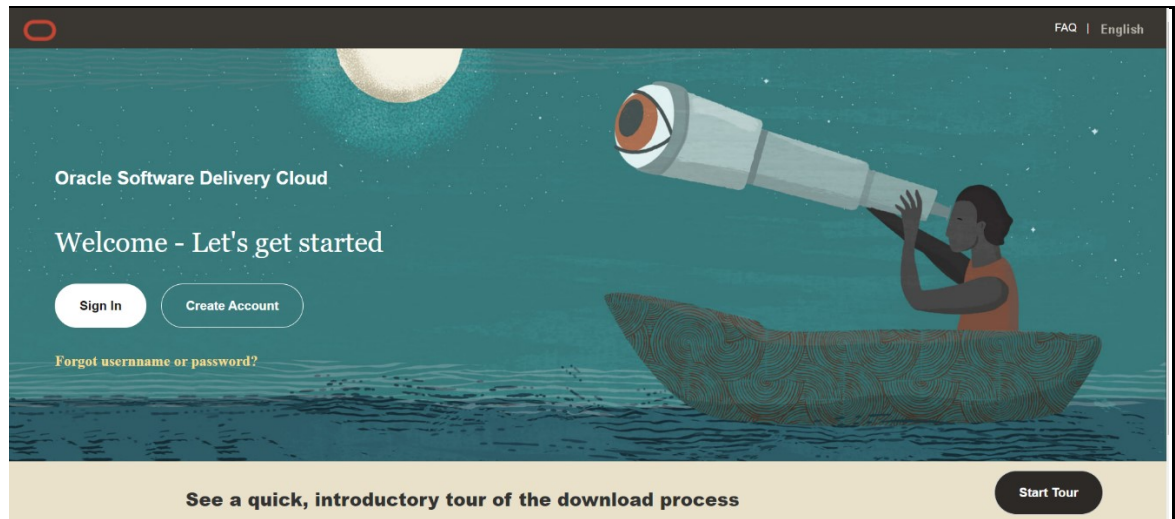
2. Search for the full product name **Oracle Financial Services Regulatory Reporting for US Treasury Integration Pack** and download the installer archive.

Figure 2: Oracle Software Delivery Cloud Page
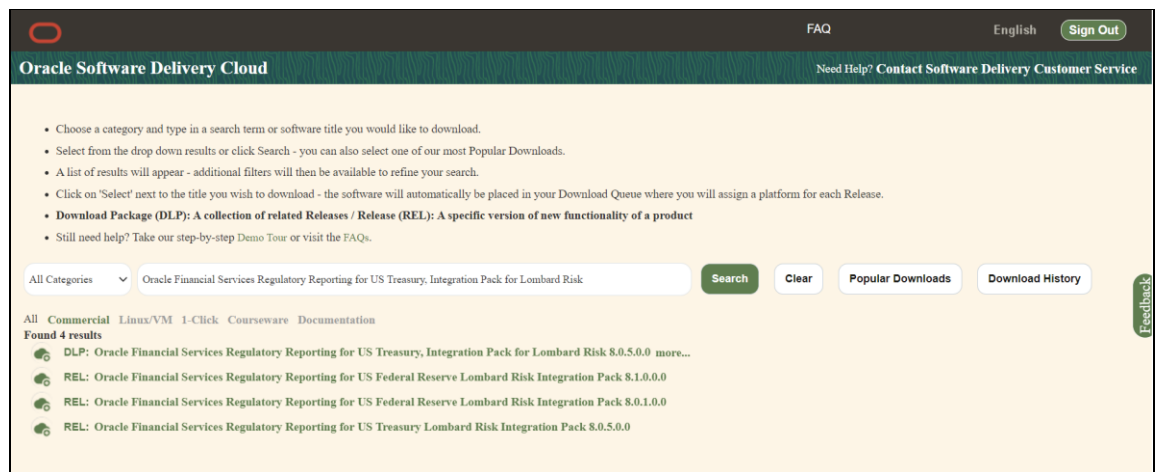
3. Copy the installer archive into the download directory (in Binary mode) in the setup identified for the **OFS REG REP US Treasury** Application Pack installation.

3.2   Prerequisites for Installation

The following are the prerequisites to install the OFS REG REP US Treasury 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.

- Oracle Financial Services Data Foundation (OFSDF) Application Pack Release **v8.1.1.1.0** patch (**31775876**) 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.

- AgileREPORTER version: **21.2.1-b133 (AR 80963)**

- AgileREPORTER Template: **1.26.1-b15**

- Ensure that you have executed the .profile file before you trigger the installation.

3.3   Pre-installation Steps

Perform the following instructions before the installation of OFS REG REP US Treasury Application:

1. Download the Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.1.0.0 patch (**32257272**) and install it in your existing environment.
   For more information, see the OFS FSDF Installation Guide).

2. Apply the OFSAAI patch **32548944_GENERIC**.zip.

3. Download the Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.1.1.0 patch (**32677985**) and install it in your existing environment.
   For more information, see the OFS FSDF Installation Guide).

4. 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).

5. Install and configure Oracle Financial Services Regulatory Reporting for US Treasury (OFS REG REP US Treasury) Application Pack Release v8.1.1.0.0 on your machine.
   For more information, see the OFS REG REP US Treasury Installation Guide.

3.4   Installing OFS REG REP US Treasury 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.

5. Execute `chmod 751 OFS_REG_REP_USTR_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_USTR_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 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_PATH	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_PATH	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.
SEGMENT_1_CODE	Specify the European Banking Authority Segment Code.	For example: US TREASURYSEG	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: US TREASURYPROCESSING	MANDATORY.
ETL_SRC_1_DESC	Specify the description for the ETL Source.	For example: US TREASURYDESC	MANDATORY when ETL_APPSRC_TYPE = 0.
ENABLE_CONCURRENCY	Specify if you want to Enable Parallel Processing.	0 = No 1 = Yes	OPTIONAL

Property Name	Description of Property	Permissible Values	Comments
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_USTR/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_USTR/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	Installation takes approximately 26 minutes to complete in Oracle Labs.

3.5 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. Execute the ustr_811_atomic_post_script.sql in the Atomic Schema and ustr_811_config_post_script.sql in the Config Schema.

NOTE	DT_FN_RESULT_DETL_MASTER_1 and DT_FN_DQ_MAPPER_INSERT_1 is executed as a post atomic script to overcome parameter inconsistency in an integrated environment (DGS + USTR) regardless of the sequence of installation.
	Below compilation error can be ignored as these functions are not used by USTR in a standalone.
	"Warning: Function created with compilation errors".

3. See the log file in the `/OFS_REG_REP_USTR/logs` directory to ensure that there are no errors reported. Contact My Oracle Support in case of any issues.

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 *Data Sources* 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 Treasury – Integration Pack (OFS REG REP US Treasury) is now ready for use. If you encounter any problems during set up, contact OFSAA Support at My Oracle Support.

3.6 Post US Treasury Run Execution

After the US Treasury 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.

   Vermeg AgileREPORTER displays 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 TREASURY Run Execution.

   c. Define the entities as SOLO or CONSOLIDATED in Vermeg AgileREPORTER before retrieving returns.

3. Execute the REFRESH batches to refresh the Derived Entities.

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_USTR_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/81100/OFS_REG_REP_USTR/Config_Package/
   OFSAA_REG_REP_USTR_81100.zip
   ```

2. Update the Alias with the following command:

   ```
   ./config.sh -ea OFSAA_REG_REP_USTR -iv 8.1.1.0.0 -alias "OFSAA TRE
   DATA SOURCE" -aif <LombardAgileREPORTER> /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.

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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?

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 the Oracle Support.

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