

Oracle Financial Services
Regulatory Reporting for US
Treasury – Lombard Risk
Integration Pack

Installation Guide

Release 8.0.6.0.0

December 2021

ORACLE®
Financial Services

DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
1.1	Updated: December 2021	Updated the Post Installation Activities section for Apache Log4j Issue.
1.0	Created: August 2018	Document contents are categorized to appropriate sections and structured considering all the 8.0.6.0.0 features.
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Executive Summary

The document consists of all the installation, Pre and Post configuration procedures which have been structured considering all the 8.0.6.0.0 features. You can find the latest copy of this document in [OHC](#) Documentation Library which includes all the recent additions/revisions (if any) done till date.

Before you begin the installation, ensure that you have an access to Oracle Support Portal with the required login credentials to quickly notify us for any specific issues. You can obtain one by contacting [Oracle Support Services](#).

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Preface

Oracle Financial Services Regulatory Reporting for US Treasury – Lombard Risk Integration Pack (OFS REG REP US Treasury) enables the banks to comply with TIC regulations. It provides integrating risk data reporting systems and enhances the accuracy of reporting in banks. OFS Risk Regulatory Reporting (RRR) 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 - Lombard Risk Reporter Portal to build necessary template reports to meet the regulatory expectations
- Managing accuracy of risk reporting through Data Governance Studio (DGS)

This document provides step-by-step instructions to install the Oracle Financial Services Regulatory Reporting for US Treasury – Lombard Risk Integration Pack (OFS REG REP US Treasury) Release 8.0.6.0.0.

This chapter discusses the following topics:

- [Audience](#)
- [Scope](#)
- [Prerequisites for the Audience](#)
- [Documentation Accessibility](#)
- [Related Documents](#)
- [Conventions Used](#)

Audience

This document is meant for Oracle Financial Services Regulatory Reporting for US Treasury – Lombard Risk Integration Pack System Administrator. It provides step-by-step instructions necessary for installing the OFS REG REP US Treasury application components.

Scope

This document provides a step-wise instruction to install Oracle Financial Services Regulatory Reporting for US Treasury – Lombard Risk Integration Pack.

Prerequisites for the Audience

Following are the expected preparations before starting the actual installation:

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

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>

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.

Related Documents

This section identifies additional documents related to Oracle Financial Services Regulatory Reporting for US Treasury – Lombard Risk Integration Pack. You can access Oracle documentation online from Documentation Library ([OHC](#)):

- Oracle Financial Services Regulatory Reporting for US Treasury – Lombard Risk Integration Pack Release 8.0.6.1.0 User Guide
- Oracle Financial Services Data Foundation Installation Manual Release 8.0.6.1.0 Java 7 and Java 8
- Oracle Financial Services Analytical Applications Infrastructure Environment Check Utility Guide (present in this [OHC](#) Documentation Library)

Conventions and Acronyms

Conventions	Description
	References to sections or chapters in the manual are displayed in <i>Italics</i> . Screen names are displayed in the following manner: Introduction screen Options and buttons are displayed in Bold .
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 US Treasury	Oracle Financial Services Regulatory Reporting for US Treasury – Lombard Risk Integration Pack

1 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 – Lombard Risk Integration Pack (OFS REG REP US Treasury) application is qualified.

Refer to the [Technology Matrix](#), for Hardware and Software Requirements.

1.1 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](#)).

2 Preparing for Installation

This chapter provides necessary information to review before installing the OFS REG REP US Treasury Application v8.0.6.0.0. This chapter includes the following topics:

- [Obtaining the Software](#)
- [Prerequisites for Installation](#)
- [Configuration for GUI Mode Installation](#)
- [Copying and Extracting the Software](#)

2.1 Obtaining the Software

Login to <https://support.oracle.com/> and search for **28652464** under the Patches and Updates tab to download the OFS REG REP US TREASURY v8.0.6.0.0 archive file. You need to have a valid Oracle account in order to download the software.

2.2 Prerequisites for Installation

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

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) 8.0.6.1.0 (patch **28033370**) plus other prerequisite OFSAAI patches (see **Section 1.1 Pre-Installation Requirements** of [OFS AAI Installation Guide](#)) should be installed and configured in your Machine ([OHC](#) Documentation Library).
- Oracle Financial Services Data Foundation (OFSDF) 8.0.6.1.0 (patch **28517884**) plus other prerequisite OFSDF patches (see **Section 3.1 Installer and Installation Prerequisites** of [OFSDF Installation Guide](#)) should be installed and configured in your Machine ([OHC](#) Documentation Library).
- AgileREPORTER version **1.16.0-b75**
- AgileREPORTER Templates version **ARforTIC_v1.0.0.2**
- Ensure that you have executed **.profile** before you trigger the installation
- Ensure that the FIC Server is up and running before you trigger the installation. For information on restarting the services, *Oracle Financial Services Analytical Applications Infrastructure Release 8.0.2.0.0 Installation Guide* ([OHC](#) Documentation Library) for more information.

2.3 Configuration for GUI Mode Installation

To install OFS REG REP US Treasury in GUI mode, you need to ensure the below software and configurations are available:

- Install and configure any PC X Server software such as Open Text Exceed (formerly Hummingbird Exceed) on the desktop system from which the installation is triggered.
- Configure DISPLAY variable.

Ensure to set the DISPLAY variable on the system on which the OFSAA is installed, to point to the desktop system where the PC X Server software has been installed.

Syntax:

export DISPLAY=hostname:n.n1

where, hostname is the IP Address/ Host Name of the desktop system and n is the sequence number (usually 0).

For example, **10.11.12.13:0.0** or **myhostname:0.0**

2.4 Copying and Extracting the Software

Once you obtain the installer, copy the installer (in BINARY mode) to the system on which the OFS REG REP US Treasury application components will be installed.

NOTE: You must be logged in to the UNIX operating system as a non-root user.

1. Download the unzip utility (OS specific) **unzip_<os>.Z**, and copy it in Binary mode to any directory and include the directory in your PATH variable. If you already have the unzip utility to extract the contents of the downloaded archive, skip to the next step.
2. Uncompress the unzip installer file using the command:
uncompress unzip_<os>.Z

NOTE: In case you notice an error message "uncompress: not found [No such file or directory]" when the package is not installed, contact your UNIX administrator.

3. Give EXECUTE permission to the file using the command:
chmod 751 unzip_<os>
For example, **chmod 751 unzip_sparc**
4. Extract the contents of the OFS REG REP US Treasury 8.0.5.0.0 in the Download Directory installer archive file using the following command:
unzip OFS_REG_REP_USTRE_8.0.6.0.0_GENERIC.zip

NOTE: DO NOT rename the Application installer folder name on extraction from the archive.

5. Give below permission to the installer folder. Navigate to the Download Directory and execute the command:
chmod -R 755 OFS_REG_REP_USTRE

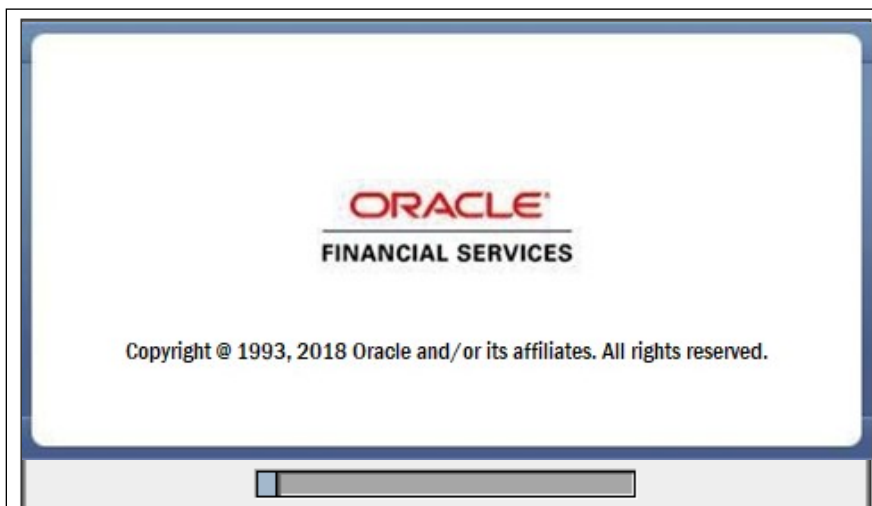
3 GUI Mode Installation

The OFS REG REP US Treasury installer can be installed in both GUI and silent mode.

For executing the installer in silent mode, refer to the section [Silent Mode Installation](#).

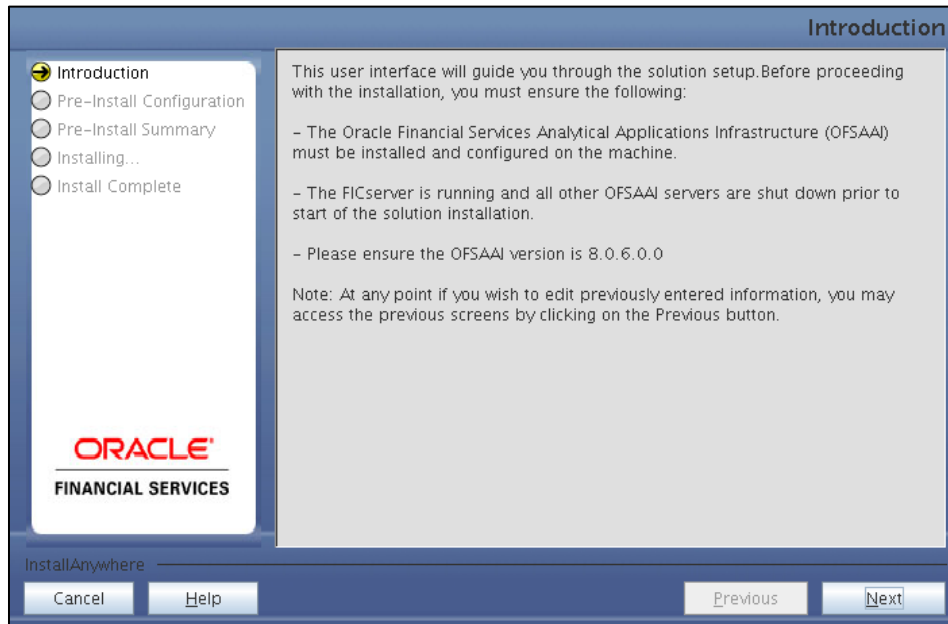
For running in GUI mode, follow these steps:

- 1) Log in to the system as **non-root user**
- 2) Execute the user **.profile**
- 3) Navigate to installer location **OFS_REG_REP_USTR/bin**
- 4) Run the installer in GUI Mode by executing the command:
./setup.sh GUI



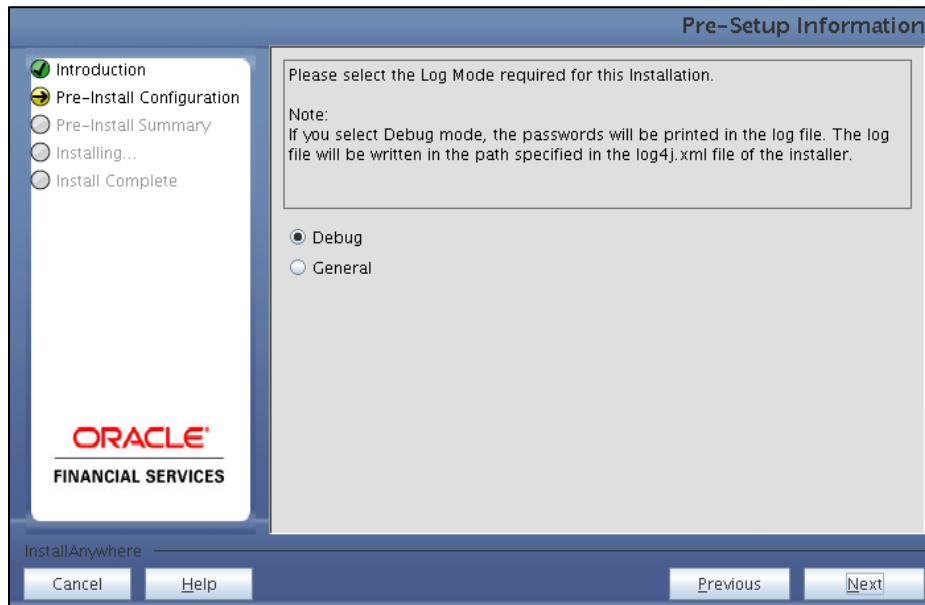
Installation Splash Screen

1. The **Introduction** screen displays the prerequisites for installation. Ensure that the prerequisites are satisfied before you proceed.



Introduction Screen

2. Choose the **Log Mode** for this installer. If you select, **Debug**, the Passwords will be printed in the Log File.



Pre-Setup Information-Log Mode Screen

3. In the **Pre-Setup Information** screen specify the existing Infodom name to be used for the application installation and click **Next**.

The screenshot shows the 'Pre-Setup Information' dialog box. On the left, a navigation pane lists steps: Introduction (checked), Pre-Install Configuration (highlighted), Pre-Install Summary, Installing..., and Install Complete. The main area contains two input fields: 'Infodom Name' with a dropdown menu showing 'FSDFINF111' and 'Specify the Reg Reporting US Treasury Segment' with a text box containing 'USTRSEG'. The Oracle Financial Services logo is at the bottom left. At the bottom, there are 'Cancel', 'Help', 'Previous', and 'Next' buttons.

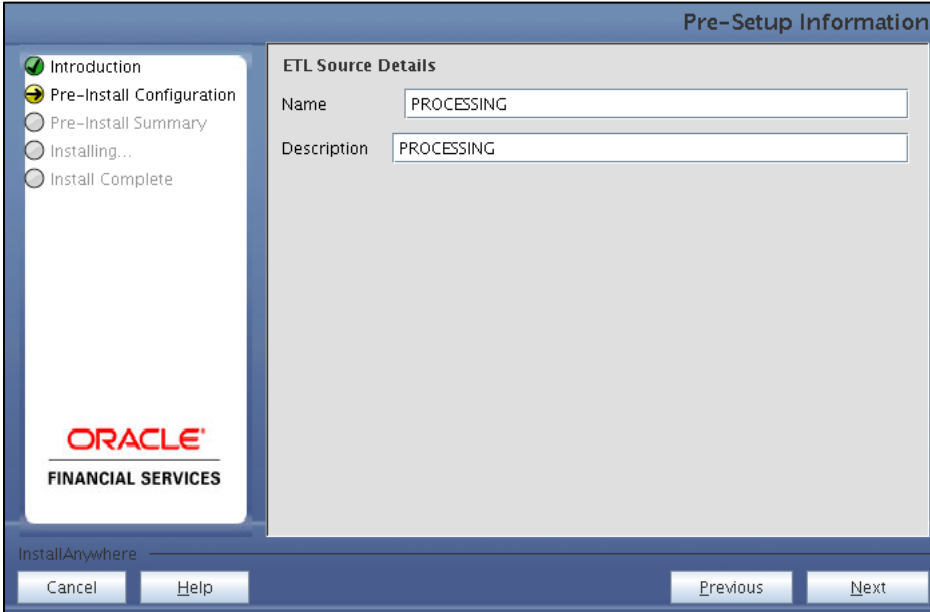
Pre Setup Information Screen – Infodom Type

4. In the **Pre-Setup Information** screen, select **New application/source pair** to create a new ETL application and click **Next**.

The screenshot shows the 'Pre-Setup Information' dialog box. The navigation pane is the same as in the previous screenshot. The main area displays the question: 'Do you want to create a new ETL application/source pair or use the existing one?'. Below the question are two radio button options: 'New application/source pair' (which is selected) and 'Existing application/source pair'. The Oracle Financial Services logo is at the bottom left. At the bottom, there are 'Cancel', 'Help', 'Previous', and 'Next' buttons.

Pre-Setup Information – ETL Application Selection Screen

5. In the **Pre-Setup Information** screen, enter the **ETL Source Name** and **Description** and then click **Next**.

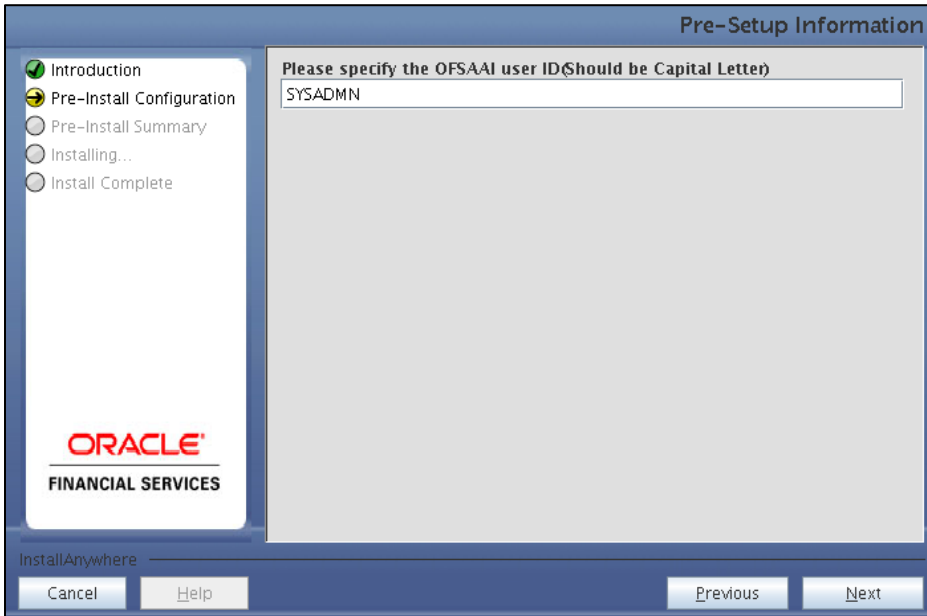


The screenshot shows the 'Pre-Setup Information' window. On the left, a navigation pane lists: Introduction (checked), Pre-Install Configuration (selected), Pre-Install Summary, Installing..., and Install Complete. Below the list is the Oracle Financial Services logo. The main area is titled 'ETL Source Details' and contains two text input fields: 'Name' with the value 'PROCESSING' and 'Description' with the value 'PROCESSING'. At the bottom, there are buttons for 'Cancel', 'Help', 'Previous', and 'Next'.

Pre-Setup Information – ETL Application Details Screen

6. In the **Pre-Setup Information** screen, enter the **OFSAAI User ID** and click **Next**.

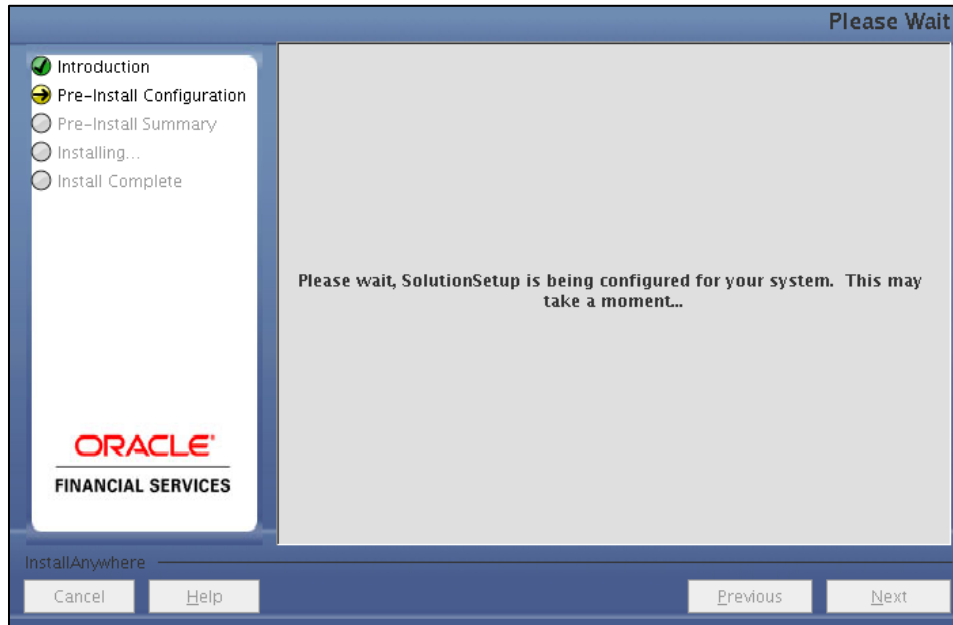
Default Value is: **SYSADMN**



The screenshot shows the 'Pre-Setup Information' window. The navigation pane is the same as in the previous screenshot. The main area is titled 'Please specify the OFSAAI user ID(should be Capital Letter)' and contains a single text input field with the value 'SYSADMN'. At the bottom, there are buttons for 'Cancel', 'Help', 'Previous', and 'Next'.

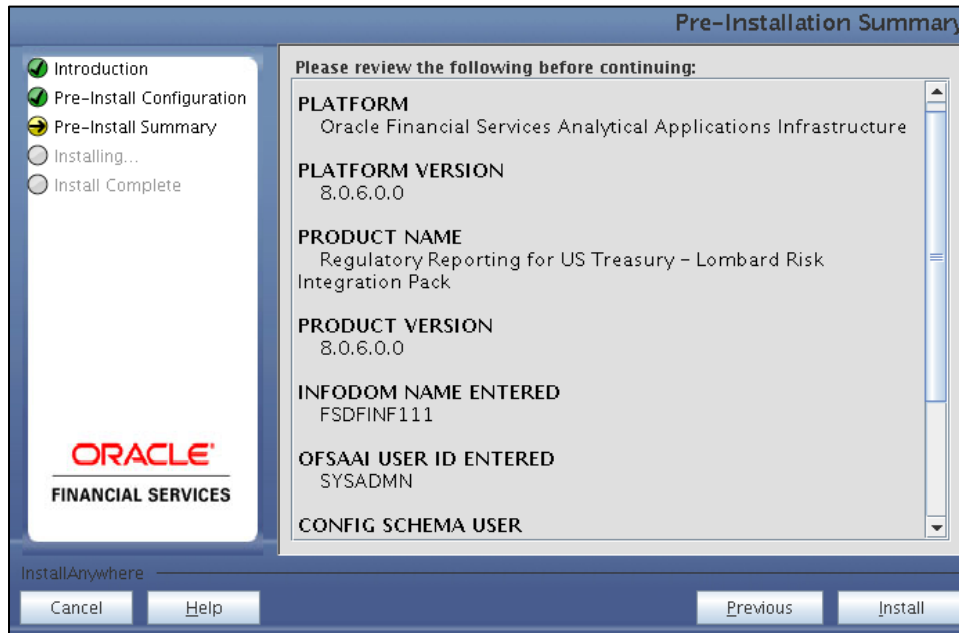
Pre-Setup Information – OFSAAI User ID Screen

- The **Pre-Install Configuration (Please Wait)** screen is displayed.



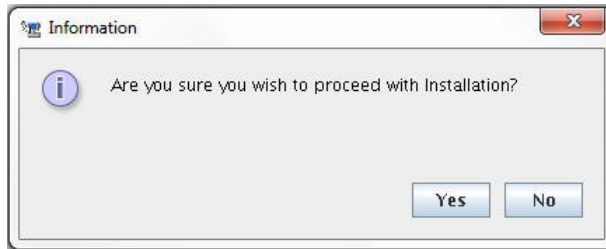
Pre-Install Configuration – Please Wait Screen

- Review the settings in the **Pre-Installation Summary** screen and click **Install**.

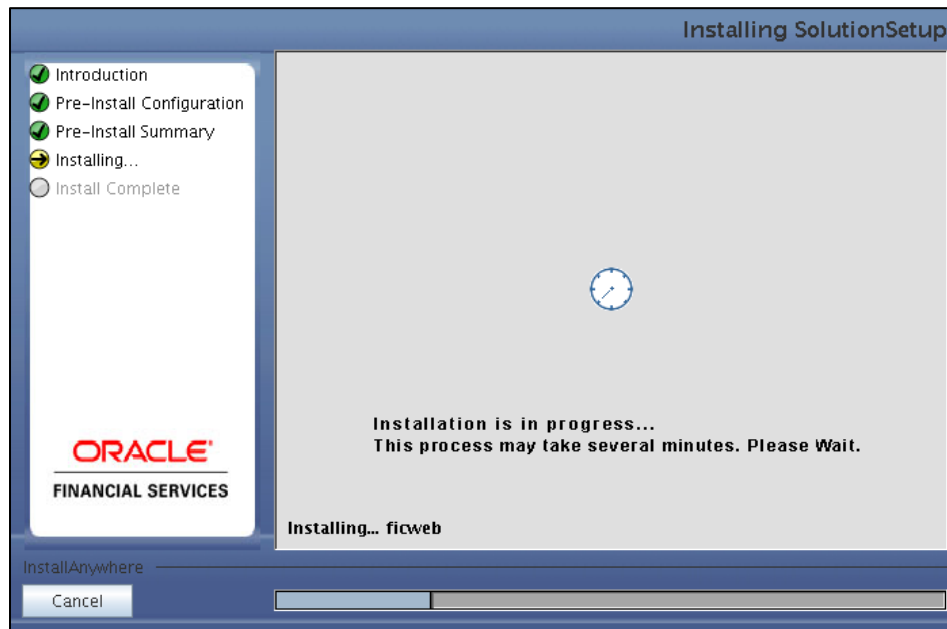


Pre-Installation Summary Screen

9. The following message is displayed. Select **Yes** to begin the installation process.

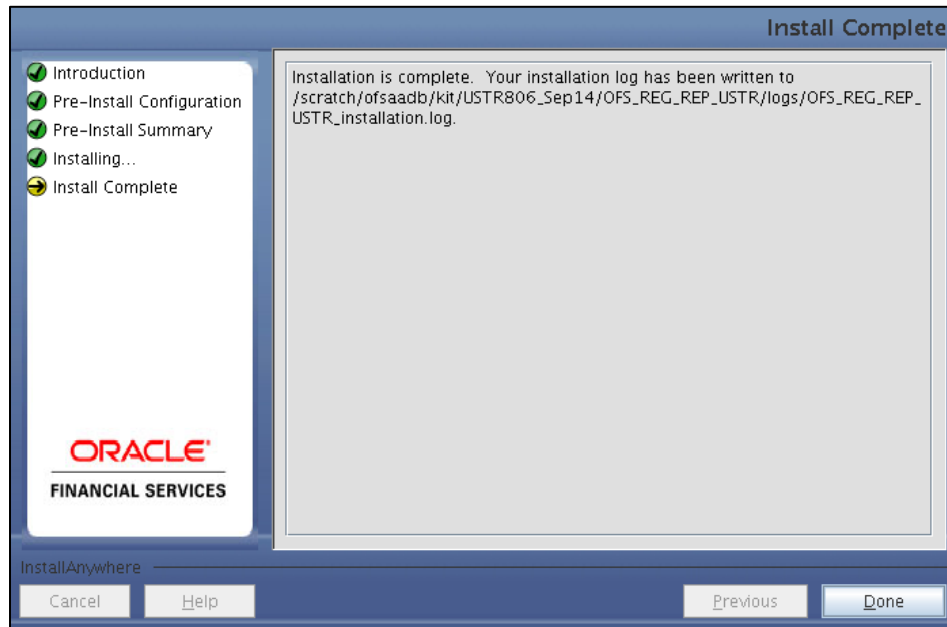


10. The **Installing SolutionSetup** screen is displayed.



Installing SolutionSetup Screen

11. The **Install Complete** screen is displayed.



Install Complete Screen

12. Refer to the log file created in the path `.../OFS_REG_REP_USTR/logs` of installer directory for any error messages.

13. Click **Done**. Installation is complete.

4 Silent Mode Installation

Silent installation is achieved via a properties file [**Silent.props**] that must be updated with proper values, before attempting to install using the silent mode. Follow the below steps to install the product in Silent Mode:

1. The installer folder contains the template file “**Silent.template**”.
2. Create a copy of this file and rename the copy as “**Silent.props**”.
3. Edit the file “**Silent.props**” and specify the parameters as per the requirements.

Property Name	Description of Property	Permissible Values	Comments
LOG_MODE	Mode for logging	0 = General 1= Debug	Optional; Default: 0
INFODOM_NAME	Specify name of Information Domain (Infodom) into which you wish to install.	For example: FSDFINF992	Mandatory. Specify Infodom Name Value where FSDF Application is got installed
APPFTP_LOG_PATH	Specify the Infodom App Maintenance log path	For example: /scratch/ofsaapp/ftpshare/FSDFINF992/logs	Mandatory. Path value must be same as the path which was given during FSDF installation
DBFTP_LOG_PATH	Specify the Infodom DB Maintenance log path	For example: /scratch/ofsaapp/ftpshare/FSDFINF992/logs	Mandatory. Path value must be same as the path which was given during FSDF installation
SEGMENT_1_CODE	Specify the US Treasury Segment Code	For example: USTRSEG	Mandatory

ETL_APPSRC_TYPE	Please specify if you want create new ETL Source or use an existing one.	0 = If you want to create a new ETL Source 1 = If you want to use an existing ETL Source	Mandatory
ETL_SRC_1_NAME	Specify the ETL Source Name where ETL Area Definitions will be deployed	For example: USTRSRC	Mandatory
ETL_SRC_1_DESC	Please give description for the ETL Source	For example: USTRDESC	Mandatory when ETL_APPSRC_TYPE = 0

4. Log in to the system as **non-root** user
5. Execute the user **.profile**
6. Navigate to installer location **OFS_REG_REP_USTR/bin**
7. Run the installer in SILENT Mode with the following command:
./setup.sh SILENT
8. Refer to the console log [or the **preinstall.log** file] for any error messages.

5 Post Installation Activities

Perform the following instructions after successful installation:

- 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.

- Refer to the log file in the `/OFS_REG_REP_USTR/logs` directory to ensure that there are no errors reported.
- Generate the application EAR / WAR file and redeploy the application on the configured Web Application Server. For more information on generating and deploying EAR / WAR file, refer to the Post Installation Configuration section in [Oracle Financial Services Advanced Analytical Applications Infrastructure Pack Installation Guide – Release 8.0.2.0.0](#).
- Restart all the OFSAA services. For more information, see the Start/Stop Infrastructure Services section in [Oracle Financial Services Advanced Analytical Applications Infrastructure Pack Installation Guide – Release 8.0.2.0.0](#).
- Re-save **HIREG001** (Calendar Date) from OFSAA Interface → Unified Analytics Metadata → Save Metadata.
- Execute all the batches to Re-save the Derived Entities:
 - `<<INFODOM>>_REG_REP_USTRE_DE_RESAVE`
- Perform the additional configurations if required as mentioned under the Additional Configurations section in [Oracle Financial Services Advanced Analytical Applications Infrastructure Pack Installation Guide – Release 8.0.2.0.0](#).

The Oracle Financial Services Regulatory Reporting for US Treasury – Lombard Risk Integration Pack is now ready for use. If you encounter any problems during set up, contact OFSAA Support at [Oracle Support Services](#).

5.1 Post US TREASURY Run Execution

Perform the following instructions after US Treasury Run Execution:

1. For prior date reporting, please see the [Prior Date Reporting](#) document.
2. Execute <<INFODOM>>_USTRE_RUNEXE_RESAVE batch to populate RUNEXESUMM table. Lombard AgileREPORTER would display additional filters of Run Execution ID and Run Status during report retrieval based on RUNEXESUMM table.
 - a. Run Execution ID is 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 Lombard AgileREPORTER before retrieving returns.
3. Execute all the REFRESH batches to refresh the Derived Entities.

5.2 Deploying the Reporter Portal Package Configuration

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

1. To deploy the product configuration on Lombard AgileREPORTER using the package OFSAA_REG_REP_USTRE_80600.zip bundled inside the Config_Package folder of installer:
 - a. Navigate to <LombardAgileREPORTER>/bin under the installed location
 - b. Add a new configuration with the following command:

```
./config.sh -a <Config_Package_1 Full Path>
```

For example:

```
./config.sh -a /scratch/kit/806/OFS_REG_REP_USTR/Config_Package/OFSAA_REG_REP_USTRE_80600.zip
```
 - c. Update the Alias with the following command:

```
./config.sh -ea OFSAA_REG_REP_USTRE_80600 -iv 8.0.6.0.0 -alias "OFSAA TRE DATA SOURCE" -aif <LombardAgileREPORTER>/bin/aliasinfo.properties
```

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



Oracle Financial Services Regulatory Reporting for US Treasury – Lombard Risk Integration Pack Installation and Configuration Guide

September 2018

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