Oracle Financial Services Regulatory Reporting for US Treasury
(OFS AGILE RP US Treasury)

Installation Guide

Release 8.0.7.0.0

December 2021

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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: January 2019	Document contents are categorized to appropriate sections and structured considering all the 8.0.7.0.0 features.
Created by: Naveen Harry D'Cruz	Reviewed by: Dattatraya Bhat / Subin Menon	Approved by: Siju Menon

Executive Summary

The document consists of all the installation, Pre and Post configuration procedures which have been structured considering all the 8.0.7.0.0 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 helps 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 (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 OFS AGILE RP US Treasury 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.

This document provides step-by-step instructions to install the Oracle Financial Services Regulatory Reporting for US Treasury (OFS AGILE RP US Treasury) Release 8.0.7.0.0.

This chapter discusses the following topics:

- Audience
- Scope
- Prerequisites for the Audience
- How this Guide is Organized?
- Documentation Accessibility
- Access to Oracle Support
- Related Documents
- Conventions and Acronyms

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Audience

This document is meant for Oracle Financial Services Regulatory Reporting for US Treasury System Administrator. It provides step-by-step instructions necessary for installing the OFS AGILE RP US Treasury application components.

Scope

This document provides a step-wise instruction to install Oracle Financial Services Regulatory Reporting for US Treasury application.

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.

How this Guide is Organized?

The Installation document 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 Treasury.

- **Installing the Application** section details the steps to be followed during the installation.

- **Post installation Activities** section details the steps that are required to be performed after a successful installation of Oracle Financial Services Regulatory Reporting for US Treasury.

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 for the hearing impaired.

Related Documents

This section identifies additional documents related to Oracle Financial Services Regulatory Reporting for US Treasury. You can access Oracle documentation online from Documentation Library (OHC):

- Oracle Financial Services Data Foundation Installation Manual Release 8.0.7.0.0 Java 7 and Java 8

- Oracle Financial Services AgileREPORTER Installation Manual Release 8.0.7.1.0

- Oracle Financial Services Analytical Applications Infrastructure Installation Guide 8.0.7.0.0 (present in this OHC Documentation Library)

Conventions and Acronyms

Conventions	Description
References to sections or chapters in the manual are displayed in *Italics*. 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 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 US Treasury	Oracle Financial Services Regulatory Reporting for US Treasury.

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 (OFS AGILE RP US Treasury) application has qualified.

Refer to the Technology Matrix for Hardware and Software requirements for this release.

2 Preparing for Installation

This chapter provides necessary information to review before installing the OFS AGILE RP US Treasury Application v8.0.7.0.0. 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 **29183917** under the Patches and Updates tab to download the OFS AGILE RP US TREASURY v8.0.7.0.0 archive file. You need to have a valid Oracle account in order to download the software.

You need to have a valid Oracle account in order to download the software.

2.2 Prerequisites for Installation

This installer has Fresh install capabilities and following are the prerequisites to install OFS AGILE RP US Treasury application:

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) 8.0.7.0.0 (patch **28226275**) 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) 8.0.7.0.2 (patch **29203414**) plus other prerequisite OFSDF patches (see **Prerequisites** section of *OFSDF Release Notes*) should be installed and configured in your Machine (OHC Documentation Library).
- OFS AgileREPORTER **8.0.7.1.0** Application should be installed and configured in your Machine.
- Ensure that you have executed **.profile** before you trigger the installation.
- Ensure that the FICServer is up and running before you trigger the installation. For information on restarting the services, Refer *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 AGILE RP 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 user 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 user 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 user 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 AGILE RP US Treasury application components are installed.

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

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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.

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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 AGILE RP US Treasury 8.0.7.0.0 in the Download Directory installer archive file using the following command:

    `unzip OFS_AGILE_RP_USTR_8.0.7.0.0_GENERIC.zip`

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

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5. Give below permission to the installer folder. Navigate to the Download Directory and execute the command:

    `chmod –R 755 OFS_AGILE_RP_USTR`

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3   Oracle Financial Services Regulatory Reporting for US Treasury

The OFS AGILE RP 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.

3.1   GUI Mode Installation

For running in GUI mode:

1) Log in to the system as **non-root user**

2) Execute the user `.profile`

3) Navigate to installer location `OFS_AGILE_RP_USTR/bin`

4) Run the installer in GUI Mode by executing the command:

   `./Setup.sh GUI`

   The GUI setup command launches the installer splash screen.

Installation Splash Screen

The following screenshots and procedure explain the GUI installation steps.

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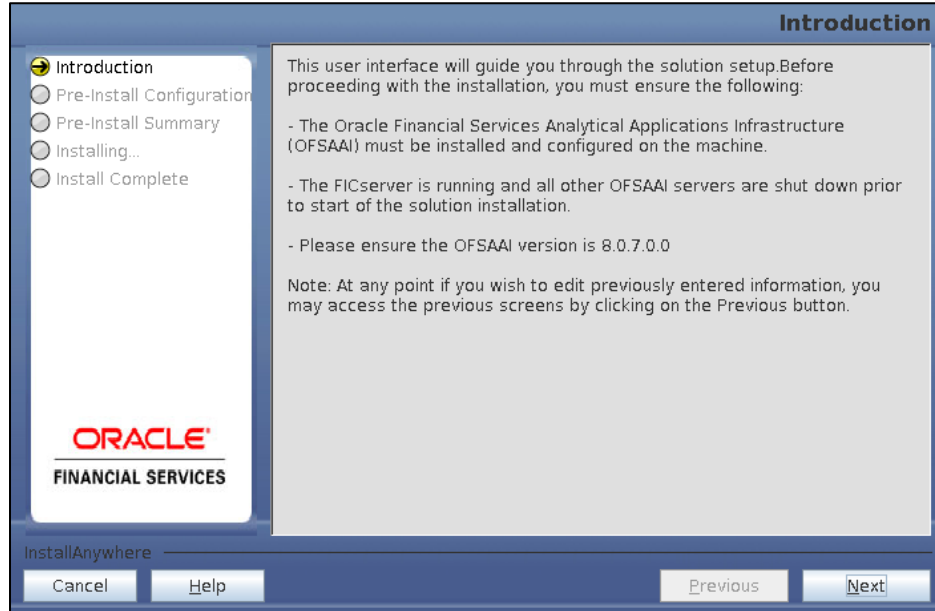
Introduction Screen

2. Choose the **Log Mode** for this installer. If you select, **Debug**, the Passwords are printed in the log file.
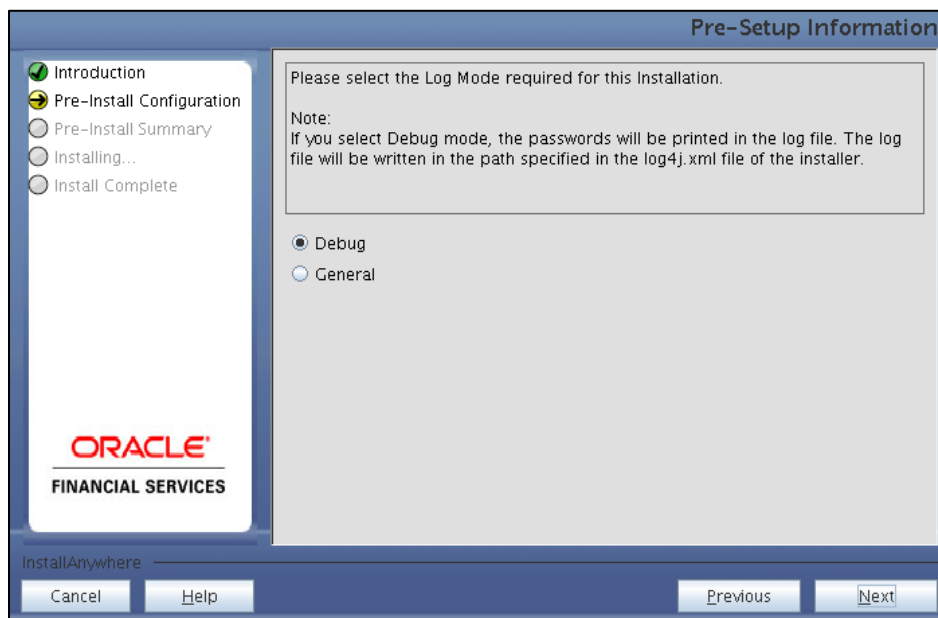
Pre-Setup Information – Log Mode Screen

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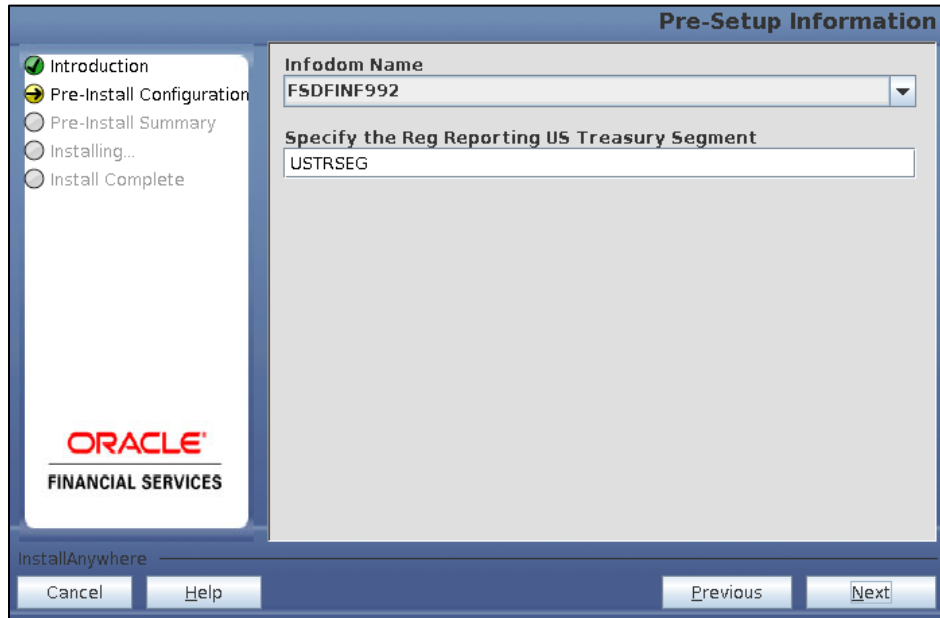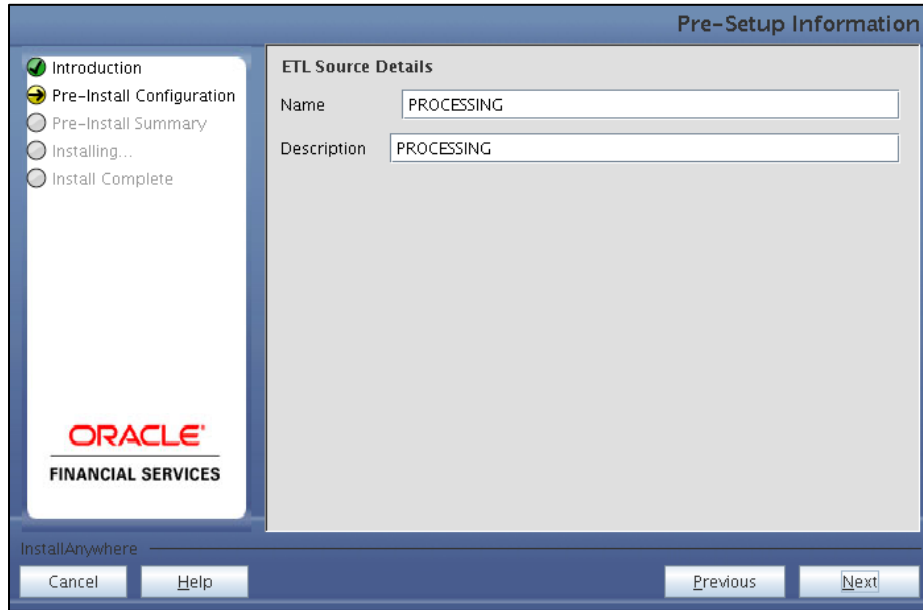
Pre-Setup Information – Infodom Type Screen

4. In the **Pre-Setup Information** screen, select **New ETL Source** and click **Next**.
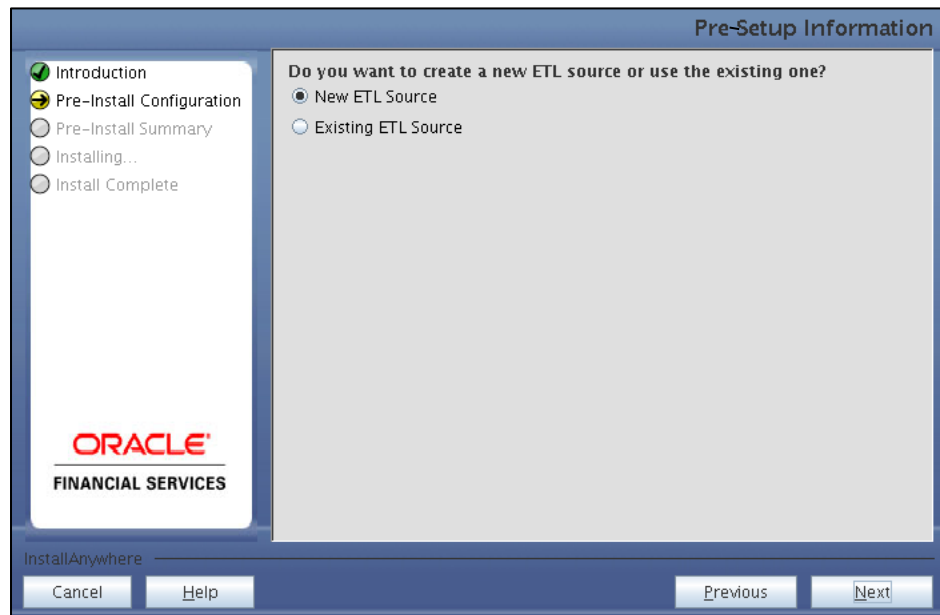
Pre-Setup Information – ETL Application Selection Screen

5. In the **Pre-Setup Information** screen, enter the **ETL Source Details** and click **Next**.
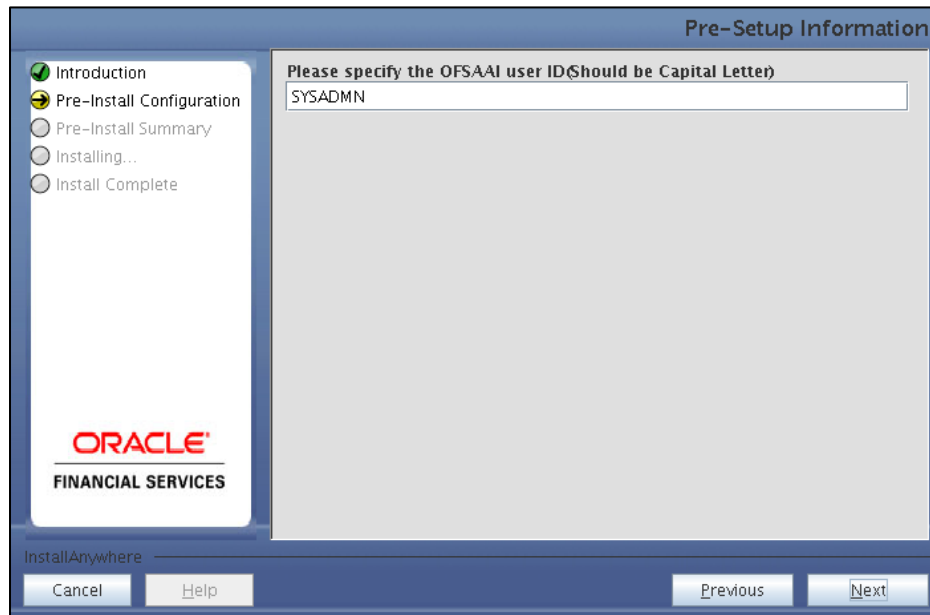
Pre-Setup Information – ETL Application Details Screen

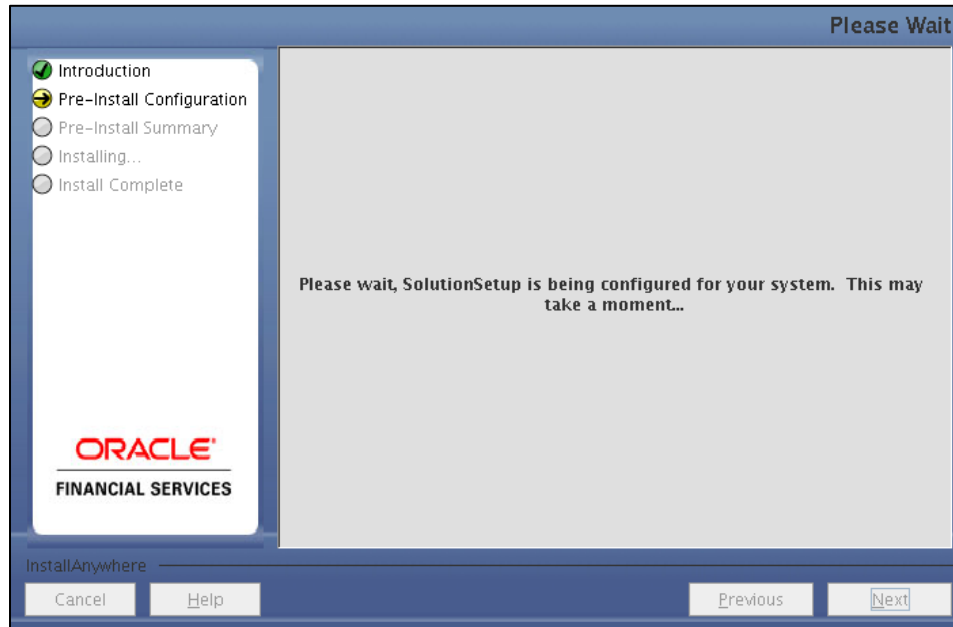6. In the **Pre-Setup Information** screen, enter the **OFSAAI User ID** and click **Next**.

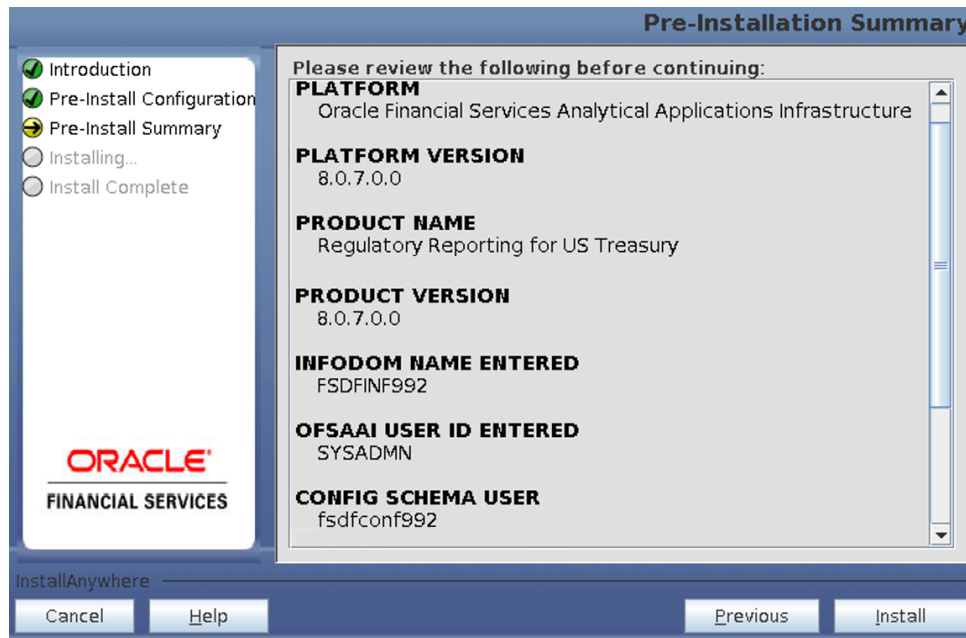Default Value is: **SYSADMN**

Pre-Setup Information – OFSAAI User ID Screen

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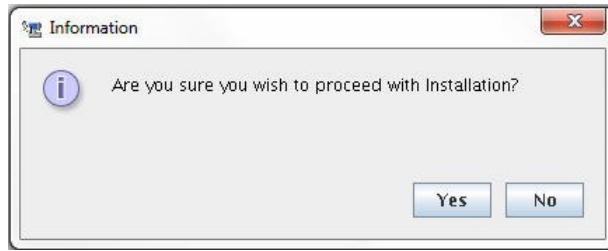

Pre-Install Configuration – Please Wait Screen

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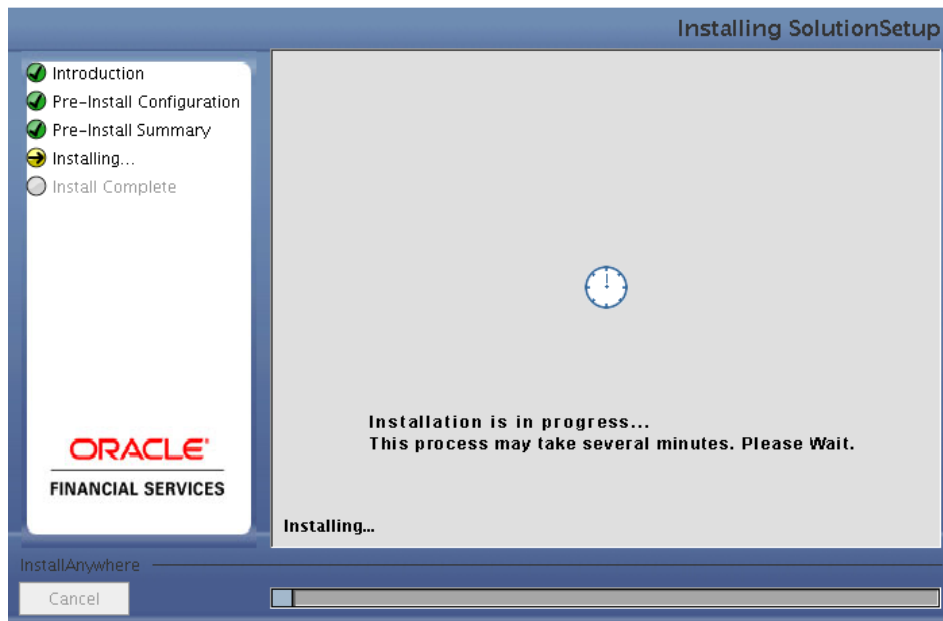

Pre-Installation Summary Screen

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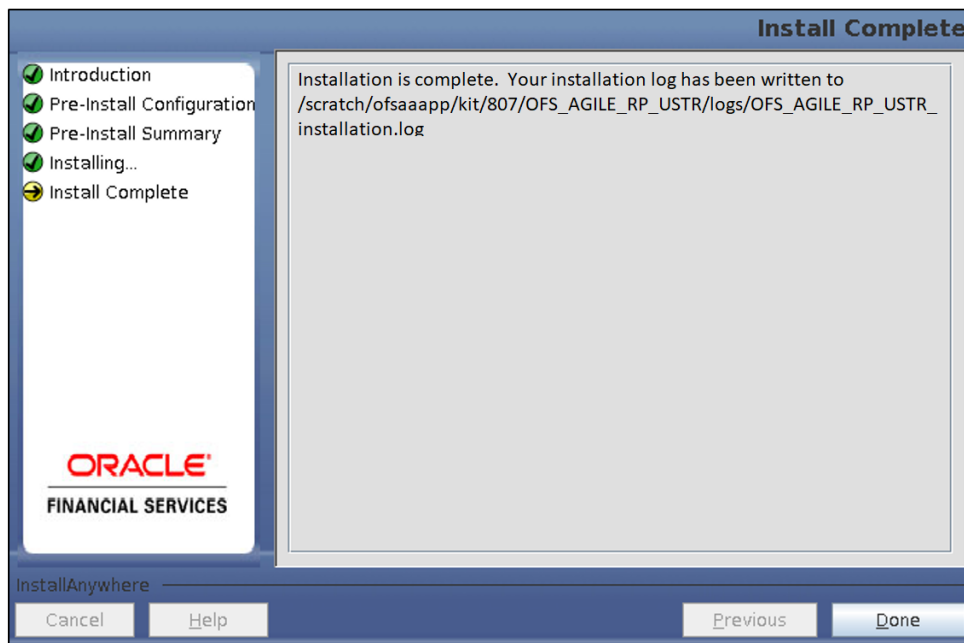

10. The **Installing SolutionSetup** screen is displayed.

Installing SolutionSetup Screen

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

Install Complete Screen

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

13. Click **Done** to complete the installation.

3.2   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) Navigate to installer directory **OFS_AGILE_RP_USTR/conf** containing the template file **Silent.template**.

2) Create a copy of this file and rename the copy as **Silent.props**.

3) Edit the **Silent.props** file and specify the parameters as per the requirements.

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

Property Name	Description of Property	Permissible Values	Comments
LOG_MODE	Mode for logging	0 = Debug 1= General	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/ofsaebas/ftpshare/FSDFINF992/logs	MANDATORY. Path value should be same as the path which was given during FSDF installation
DBFTP_LOG_PATH	Specify the Infodom DB Maintenance log path	For example: /scratch/ofsaebas/ftpshare/FSDFINF992/logs	MANDATORY. Path value should be same as the path which was given during FSDF installation
SEGMENT_1_CODE	Specify the US Treasury Segment Code	For example: USTRSEG	MANDATORY

Property Name	Description of Property	Permissible Values	Comments
ETL_APPSRC_TYPE	Please specify if you want create new ETL App/Src pair or use an existing one.	0 = If you want to create a new ETL app/src pair 1 = If you want to use an existing pair	MANDATORY. Default is 0.
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_AGILE_RP_USTR/bin`

7) Run the installer in SILENT Mode with the following command:

   `./Setup.sh SILENT`

   Refer to the console log (or the `preinstall.log` file) for any error messages.

4   Post Installation Activities

After the installation is complete, perform the following activities:

- 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 path **/OFS_AGILE_RP_USTR/logs** 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.*

- Prior to US TREASURY Run Execution, exclude TaskId-69 (Task Description - T2T_FCT_REG_PARTY_IDENTFCTN_DOC).

The Oracle Financial Services Regulatory Reporting for US Treasury is now ready for use. If you encounter any problems during set up, contact OFSAA Support at Oracle Support Services.

4.1 Post US TREASURY Run Execution

Perform the following instructions after US Treasury Run Execution:

1. For prior date reporting, please see the <u>Prior Date Reporting</u> 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   Template Package and Config Package Deployment

This section describes the order to deploy the template package and config package after saving the derived entities:

1. To deploy the product configuration on AgileREPORTER using the package `OFS_RP_TEMPLATE_USTR_80700.zip` bundled inside the `Template_Package` directory of the installer:

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

    b. Navigate to the path where AgileREPORTER is installed and then go to the `/bin` directory.

    c. Add a new configuration with the following command:

    `./config.sh -a <Template_Package Full Path>/<.zip file>`

    For example:

    `./config.sh -a <Template_Package Full Path>/
    OFS_RP_TEMPLATE_USTR_80700.zip`

2. To deploy the product configuration on AgileREPORTER using the package `OFSAA_REG_REP_USTRE_80700.zip` bundled inside `Config_Package` folder of installer:

    a. Navigate to the path where AgileREPORTER is installed and then go `/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/807/OFS_AGILE_RP_USTR/
    Config_Package/OFSAA_REG_REP_USTRE_80700.zip`

3. Update the Alias with the following command:

    `./config.sh -ea OFSAA_REG_REP_USTRE_80700 -iv 8.0.7.0.0 -alias
    "OFSAA TRE DATA SOURCE" -aif
    /scratch/agile/bin/aliasinfo.properties`

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

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Oracle Financial Services Regulatory Reporting for US Treasury (OFS AGILE RP US Treasury) 8.0.7.0.0 Installation Guide

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Oracle Corporation
World Headquarters
500 Oracle Parkway
Redwood Shores, CA 94065
U.S.A.

Worldwide Inquiries:
Phone: +1.650.506.7000
Fax: +1.650.506.7200
www.oracle.com/us/industries/financial-services/