

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

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: July 2018	Document contents are categorized to appropriate sections and structured considering all the 8.0.6 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 8.0.6.0.0 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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## TABLE OF CONTENTS

<b>PREFACE</b> .....	<b>4</b>
Audience.....	5
Scope.....	5
Prerequisites for the Audience.....	5
How this Guide is Organized? .....	5
Documentation Accessibility .....	5
Access to Oracle Support.....	5
Related Documents.....	6
Conventions and Acronyms .....	6
<b>1 HARDWARE AND SOFTWARE REQUIREMENTS AND SPECIFICATIONS</b> .....	<b>7</b>
<b>2 PREPARING FOR INSTALLATION</b> .....	<b>7</b>
2.1 Obtaining the Software.....	7
2.2 Prerequisites for Installation .....	7
2.3 Configuration for GUI Mode Installation.....	8
2.4 Copying and Extracting the Software.....	8
<b>3 ORACLE FINANCIAL SERVICES REGULATORY REPORTING FOR US FEDERAL RESERVE</b> .....	<b>9</b>
3.1 GUI Mode Installation.....	9
3.2 Silent Mode Installation.....	16
<b>4 POST INSTALLATION ACTIVITIES</b> .....	<b>18</b>
4.1 Post US FED Run Execution.....	19
<b>5 TEMPLATE PACKAGE AND CONFIG PACKAGE DEPLOYMENT</b> .....	<b>21</b>

## Preface

Oracle Financial Services Regulatory Reporting for US Federal Reserve – Lombard Risk Integration Pack helps the banks to 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. 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 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.

This document provides step-by-step instructions to install the Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) Release 8.0.6.0.0.

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](#)

## Audience

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

## Scope

This manual provides a step-wise instruction to install Oracle Financial Services Regulatory Reporting for US Federal Reserve.

## 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 Manual 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 Federal Reserve.
- **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 Federal Reserve.

## Documentation Accessibility

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## Related Documents

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

- Oracle Financial Services Regulatory Reporting for US Federal Reserve User Guide
- Oracle Financial Services Data Foundation Installation Manual Release 8.0.6.0.0 Java 7 and Java 8
- Oracle Financial Services AgileREPORTER Installation Manual Release 8.0.6.0.0
- Oracle Financial Services Analytical Applications Infrastructure Installation Guide 8.0.6.0.0 (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: <b>Introduction</b> screen Options and buttons are displayed in <b>Bold</b> .
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 FED	Oracle Financial Services Regulatory Reporting for US Federal Reserve.

## 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 Federal Reserve (OFS AGILE RP US FED) 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 FED 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

This release of OFS AGILE RP US FED 8.0.6.0.0 can be downloaded from the Oracle Software Delivery Cloud (<https://support.oracle.com/>). Log in and search for **27322604** under Patches and Updates.

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 FED application:

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) 8.0.6.0.0 (patch **23036940**) 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) 8.0.6.0.0 (patch **27569871**) 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).
- OFS AgileREPORTER **8.0.5.2.0** Application should be installed and configured in your Machine.
- Ensure that you have executed **.profile** before you trigger the installation.
- Make sure FIC Server is up and running before you trigger the installation. For information on restarting the services, Refer *Oracle Financial Services Analytical Applications Infrastructure Release 8.0.6.0.0 Installation Guide* ([OHC](#) Documentation Library) for more information.

## 2.3 Configuration for GUI Mode Installation

To install OFS AGILE RP US FED 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 FED application components are 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 AGILE RP US FED 8.0.6.0.0 in the Download Directory installer archive file using the following command:

```
unzip OFS_AGILE_RP_USFED_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_AGILE_RP_USFED
```



### 3 Oracle Financial Services Regulatory Reporting for US Federal Reserve

The OFS AGILE RP US FED 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\_USFED/bin**
- 4) Run the installer in GUI Mode by executing the command:

**./Setup.sh GUI**

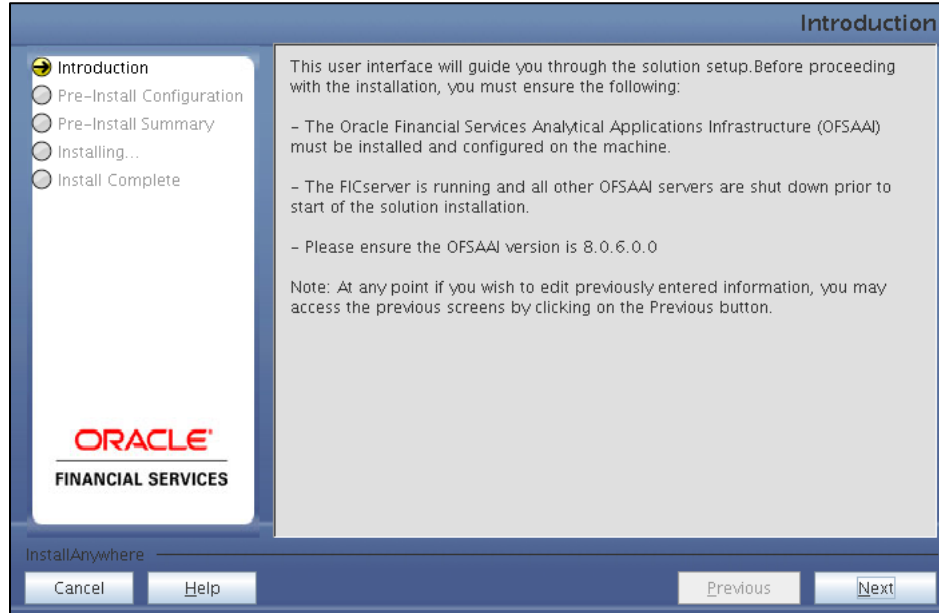
The GUI setup command launches the installer splash screen.



Installation Splash Screen

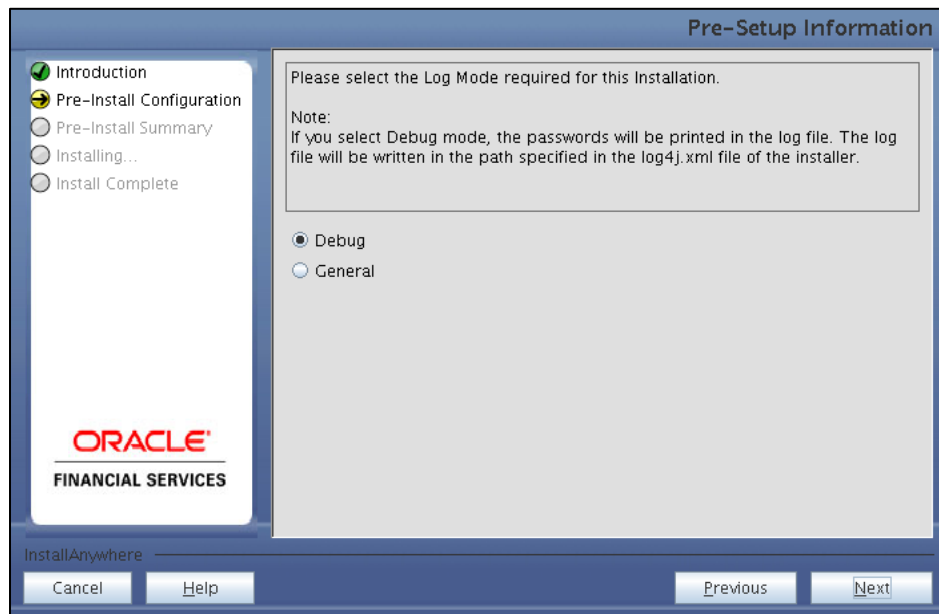
The following screenshots and procedure explain the GUI installation steps.

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



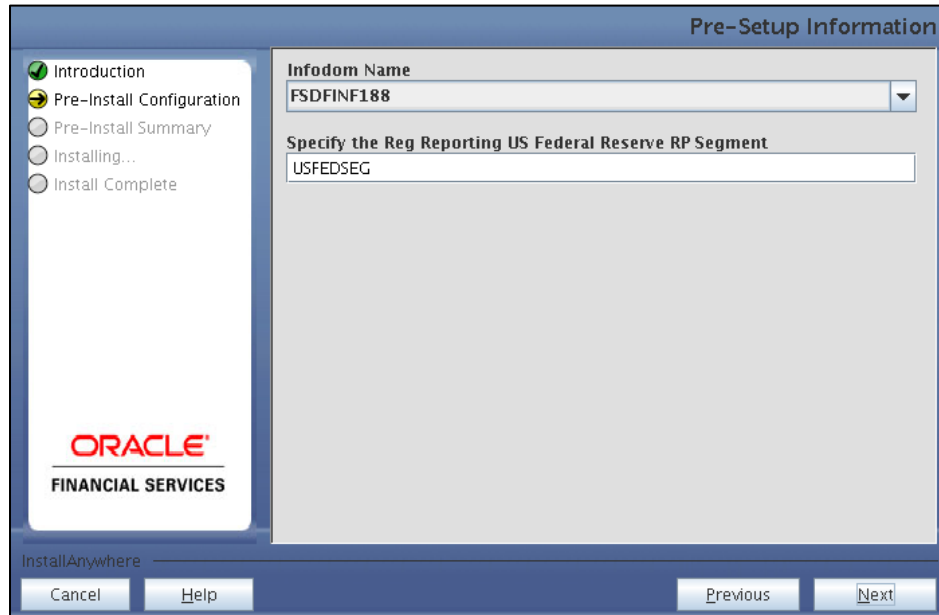
Introduction Screen

2. Choose the **Log Mode** for this installer. If you select, **Debug**, the Passwords are printed in the log file.



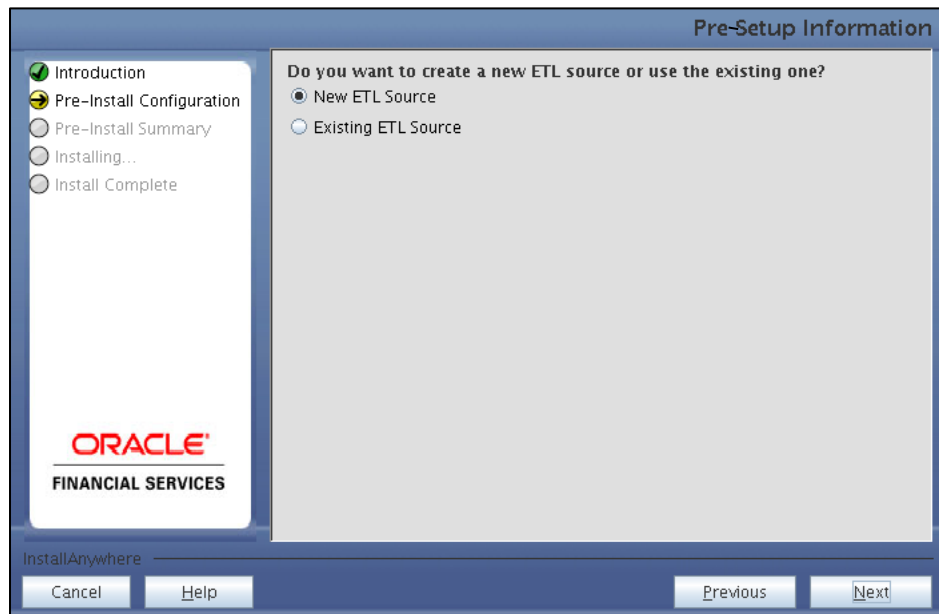
Pre-Setup Information – Log Mode Screen

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



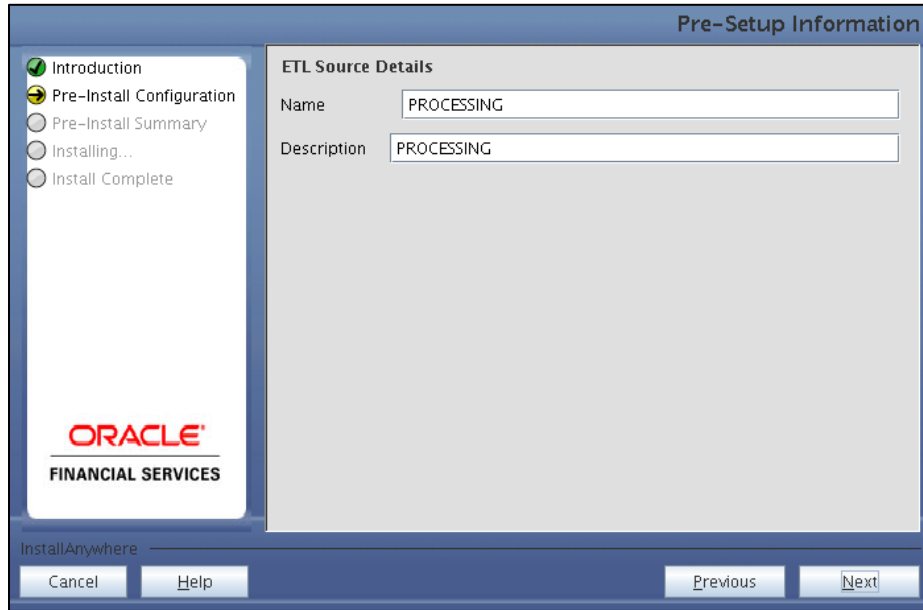
**Pre-Setup Information – Infodomain Type Screen**

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



**Pre-Setup Information – ETL Application Selection Screen**

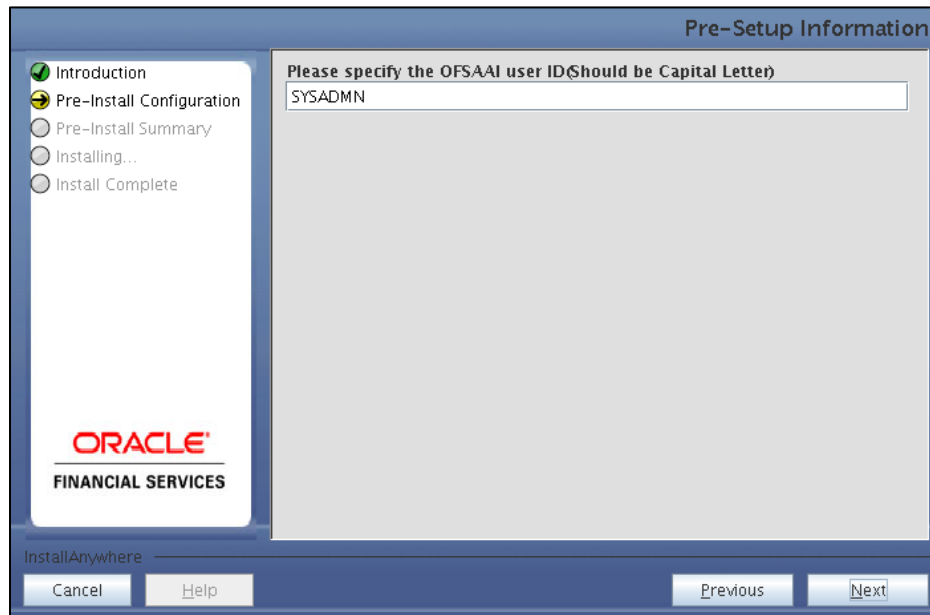
5. In the **Pre-Setup Information** screen, enter the **ETL Source Details** and click **Next**.



**Pre-Setup Information – ETL Application Details Screen**

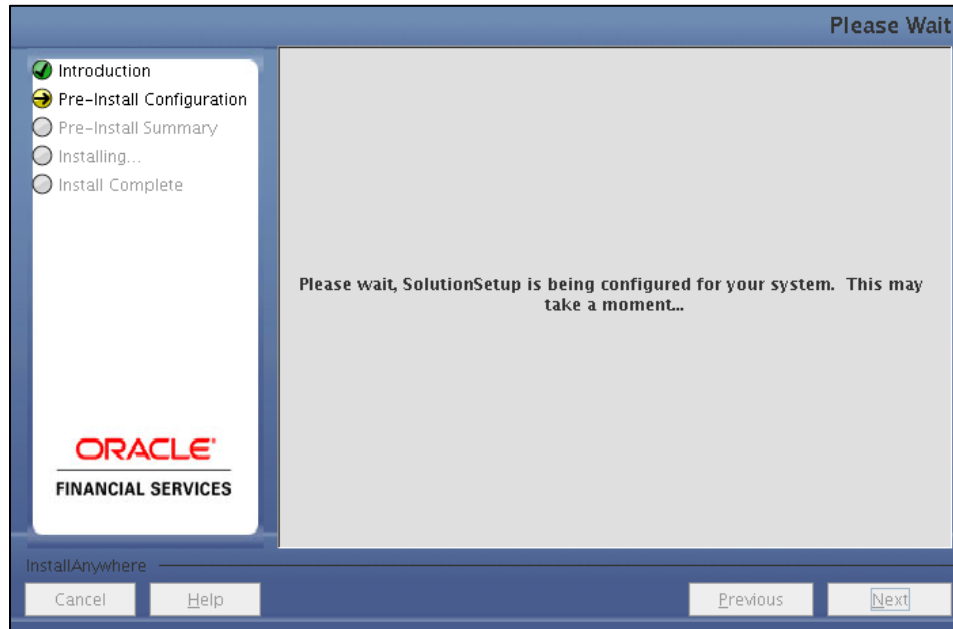
6. In the **Pre-Setup Information** screen, enter the **OFSAAI User ID** and click **Next**.

Default Value is: **SYSADMN**



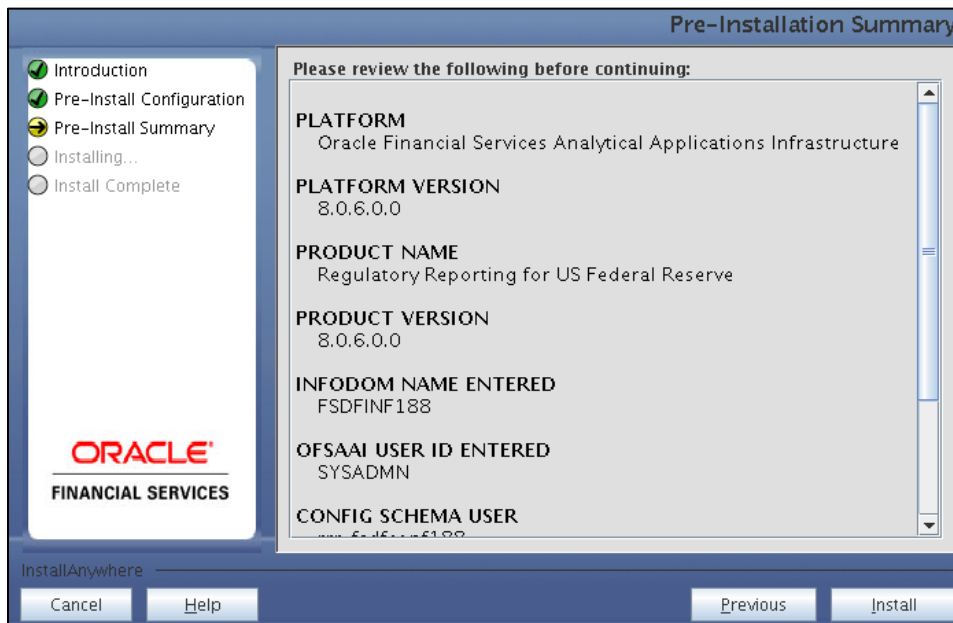
**Pre-Setup Information – OFSAAI User ID Screen**

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



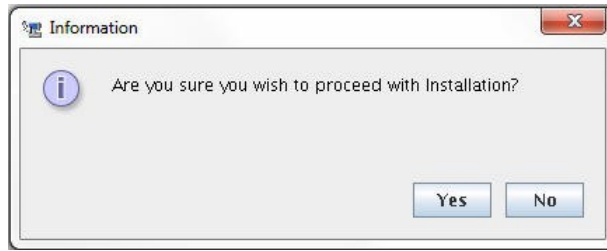
**Pre-Install Configuration – Please Wait Screen**

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

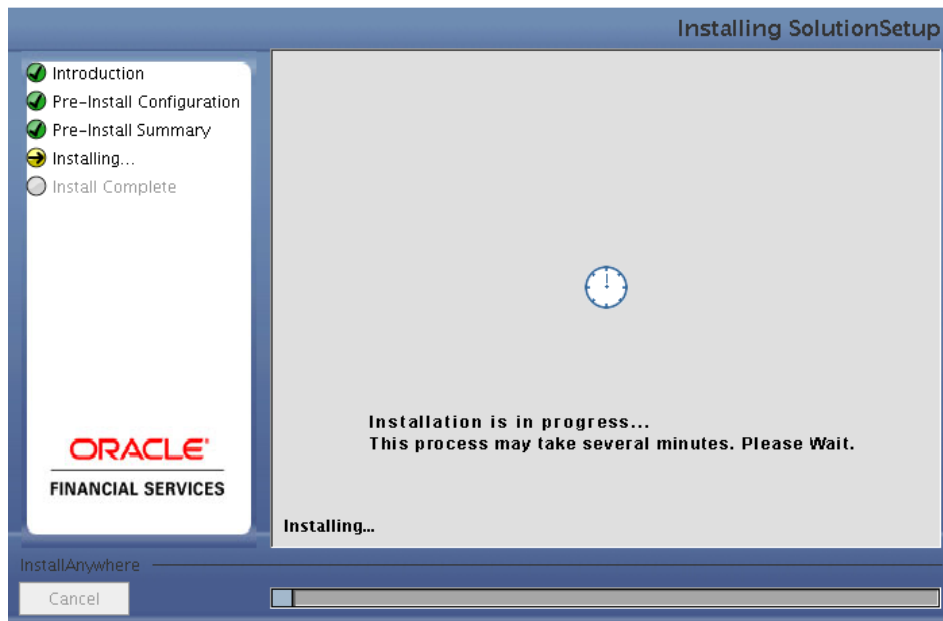


**Pre-Installation Summary Screen**

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

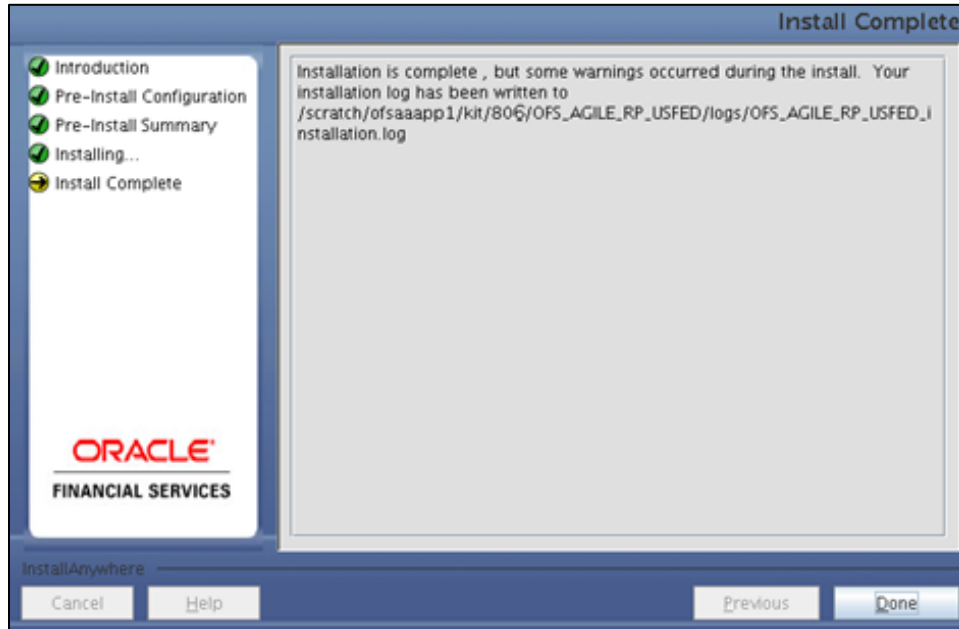


10. The **Installing SolutionSetup** screen is displayed.



**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_USFED/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\_USFED/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: FSDFINF188	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/FSDFINF188/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/FSDFINF188/logs	MANDATORY. Path value should be same as the path which was given during 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	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: USFED	MANDATORY
ETL_SRC_1_DESC	Please give description for the ETL Source	For example: FEDPROC	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\_USFED/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_USFED/logs` to ensure that there are no errors reported.
- Generate the application EAR/WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying the EAR/ WAR file, see the *Post Installation Configurations* section in [OFS AAI 8.0.2.0.0 Installation and Configuration Guide](#).
- Restart all the OFSAAI Servers. Refer *OFS AAI Release 8.0.6.0.0 Installation and Configuration Guide* in [OHC](#) Documentation Library for more information.
- Execute the following script from the Config Schema after replacing the `##INFODOM##` placeholders with the correct values:  
[DSFD4020.sql](#)
- Execute the following scripts from the Atomic Schema after replacing the `##SEGMENT##` placeholders with the correct values:  
[run\\_parameter\\_details.sql](#) and [run\\_parameters\\_lov.sql](#)
- Execute all the batches to Re-save the Derived Entities.

**NOTE:** The following views in the Atomic Schema will be in invalid state (and Run Execution will not be impacted) until the DE RESAVE batches are executed from the OFSAA application.

DEFD_14Q_H2_VW	DEFD_14Q_H1_VW	FFIEC002S_VW_DEFD0026	FFIEC002S_VW_DEFD0027
FFIEC002S_VW_DEFD0028	FFIEC002S_VW_DEFD0029	FFIEC002S_VW_DEFD0030	FFIEC002S_VW_DEFD0031
FFIEC002S_VW_DEFD0032	FFIEC002S_VW_DEFD0033	FFIEC002_VW_DEFD0001	FFIEC002_VW_DEFD0002
FFIEC002_VW_DEFD0004	FFIEC002_VW_DEFD0006	FFIEC002_VW_DEFD0007	FFIEC002_VW_DEFD0008

FFIEC002_VW_DEFD0009	FFIEC002_VW_DEFD0010	FFIEC002_VW_DEFD0011	FFIEC002_VW_DEFD0012
FFIEC002_VW_DEFD0013	FFIEC002_VW_DEFD0014	FFIEC002_VW_DEFD0015	FFIEC002_VW_DEFD0016
FFIEC002_VW_DEFD0019	FFIEC002_VW_DEFD0020	FFIEC002_VW_DEFD0021	FFIEC002_VW_DEFD0022
FFIEC002_VW_DEFD0023	FFIEC002_VW_DEFD0034	FFIEC002_VW_DEFD0035	FFIEC002_VW_DEFD0036
FFIEC002_VW_DEFD0037	FFIEC002_VW_DEFD0038	FFIEC002_VW_DEFD0039	FFIEC002_VW_DEFD0040
FR2052A_ASSET_INFLOW	FR2052A_DEPOSITS_OUTFLOW	FR2052A_FX_SUPPLEMENTAL	FR2052A_INFO_SUPPLEMENTAL
FR2052A_OTHER_INFLOW	FR2052A_OTHER_OUTFLOW	FR2052A_SECURED_INFLOW	FR2052A_SECURED_OUTFLOW
FR2052A_UNSECURED_INFLOW	FR2052A_WHOLESALE_OUTFLOW	FR2314_11_7N_379_1729_V	FR2502q_VW_DEFD3017
FR2502q_VW_DEFD3018	FR2502q_VW_DEFD3019	FR2644_MGMT_ACCOUNT_V	FR2644_MGMT_OTH_ASSET_V
FR2900_DEDEDUC_FRM_TRNX_ACCT	FR2900_MEMORANDUM_ITEM_COMBINE	FR2900_NET_EURO_CURR_LIAB	FR2900_TOTAL_TIME_DEPO_COMB
FR2900_TRNX_ACCT_DD_GOVRNT	FR2900_TXN_ACCT_DEMAND_DEPO	FR2900_VAULT_CASH_COMBINED	FRY14M_A1_LOAN_ACTSERV_CONS_V
FRY14M_A1_LOAN_LEVEL_DD_V	FRY14M_A2_LOAN_ACTSERV_CONS_V	FRY14M_A2_PORTFOLIO_LEVEL_DD_V	FRY14M_B1_HOME_EQUITY_V
FRY14M_B1_LOAN_ACTSERV_CONS_V	FRY14M_B2_HOME_EQUITY_V	FRY14M_B2_LOAN_ACTSERV_CONS_V	FRY14M_C1_LOAN_LEVEL_DD_V
FRY14M_D1_LOAN_LEVEL_V	FRY14M_D2_PORTFOLIO_LEVEL_V	VW_DEFD4013	VW_DEFD4014
VW_DEFD4015	VW_DEFD4016	VW_DEFD4017	VW_DEFD4018
VW_DEFD4021	VW_DEFD4023	FR2502q_VW_DEFD3017	FR2502q_VW_DEFD3018
FR2502q_VW_DEFD3019			

- Perform the additional configurations if required as mentioned under the *Additional Configurations* section in [OFS AAI Release 8.0.5.0.0 Installation Guide](#).

The Oracle Financial Services Regulatory Reporting for US Federal Reserve is now ready for use. If you encounter any problems during set up, contact OFSAA Support at [Oracle Support Services](#).

## 4.1 Post US FED Run Execution

Perform the following instructions after US FED Run Execution:

1. For prior date reporting, please see the [Prior Date Reporting](#) document.
2. Execute <<INFODOM>>\_USFED\_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 FED 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_USFED_80600.zip` bundled inside the `Template_Package` directory of the installer:
  - a. Navigate to the `/Template_Package` directory under the installer.
  - b. Unzip the files with the following command:

```
unzip OFS_RP_TEMPLATE_USFED_80600.zip
```

The `ARforFED_v1.13.2.4.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>/<.zip file>
```

For example:

```
./config.sh -p -a <Template_Package Full Path>/  
ARforFED_v1.13.2.4.lrm
```
2. To deploy the product configuration on AgileREPORTER using the package `OFSAA_REG_REP_USFED_80600.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/806/OFS_AGILE_RP_USFED/  
Config_Package/OFSAA_REG_REP_USFED_80600.zip
```
3. Update the Alias with the following command:

```
./config.sh -ea OFSAA_REG_REP_USFED_80600 -iv 8.0.6.0.0 -alias  
"OFSAA FED DATA SOURCE" -aif  
/scratch/agile/bin/aliasinfo.properties
```

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



Oracle Financial Services Regulatory Reporting for US Federal Reserve (OFS AGILE RP US FED) 8.0.6.0.0 Installation Guide

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