Oracle Financial Services
Regulatory Reporting for Reserve
Bank of India – Lombard Risk
Integration Pack

Installation Guide

Release 8.0.7.0.0

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: 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:  Kiran Kumar, <br><br> Smitha P. | Approved by: Kiran Kumar |

**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 Reserve Bank of India (OFS_REG_REP_RBI) enables the customers to enables the banks to comply with RBI regulations. It integrates 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 Regulatory Reporting tool – Lombard AgileREPORTER to build necessary template reports to meet the regulatory expectations.

This document provides step-by-step instructions to install the Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack (OFS_REG_REP_RBI) 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

♦ Recommended Environment

♦ Related Documents

♦ Conventions and Acronyms

## Audience

This Manual is meant for Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack System Administrator. It provides step-by-step instructions necessary for installing the OFS_REG_REP_RBI application components.

## Scope

This manual provides a step-wise instruction to install Oracle Financial Services Regulatory Reporting for Reserve Bank of India – 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.

## 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 Reserve Bank of India – Lombard Risk Integration Pack.

- ♦ **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 Reserve Bank of India – Lombard Risk Integration Pack.

## 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 Reserve Bank of India – Lombard Risk Integration Pack. You can access Oracle documentation online from Documentation Library (OHC):

- ♦ Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack User Guide Release 8.0.7.0.0

- ♦ Oracle Financial Services Data Foundation Installation Manual Release 8.0.7.0.0

- ♦ Oracle Financial Services Analytical Applications Infrastructure Installation Guide Release 8.0.7.0.0

## Conventions and Acronyms

The conventions and acronyms used in this document are as follows.

| 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 |
| 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_RBI | Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack |

# 1    Hardware and Software Requirements and Specifications

This section describes various Operating System, Database, Web Application Server version and other variant details on which this release of the OFS Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack (OFS_REG_REP_RBI) application has qualified.

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

# 2    Preparing for Installation

This section provides necessary information to review before installing the OFS_REG_REP_RBI 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 **28600544** under the Patches and Updates tab to download the `OFS_REG_REP_RBI_8.0.7.0.0_GENERIC` archive file.

## 2.2    Prerequisites for Installation

This installer has both Upgrade and Fresh install capabilities. The prerequisites required for this release is as follows:

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**NOTE:**    If it is an Upgrade, the minimum patch set level should be OFS_REG_REP_RBI 8.0.2.0.0 (patch **24695583**).

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- ♦ 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) 8.0.7.0.0 (patch **28929704**) 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 **1.16.2-b107**
- ♦ AgileREPORTER RBI Template package (**AgileREPORTER_RBI_Package_v1.20.2.1**)
- ♦ 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, Refer *OFS AAI Release 8.0.2.0.0 Installation Guide* (OHC Documentation Library) for more information.

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**NOTE:** The CRILC v7 template is supported from this release, which requires Data model changes in OFSDF v8.0.7.0.0 data model. The Data_Model_Changes must be added on top of OFSDF v8.0.7.0.0 data model and sliced model upload should be performed post these changes.

## 2.3 Configuration for GUI Mode Installation

To install OFS_REG_REP_RBI in GUI mode, you need to ensure that the following 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 is 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

Perform the following steps to copy and extract the OFS_REG_REP_RBI software.

1. Copy the `OFS_REG_REP_RBI_8.0.7.0.0_GENERIC` archive file to your OFSAA server in Binary mode.

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

2. 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.

3. 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.

4. Give EXECUTE permission to the file using the command:

   `chmod 751 unzip_<os>`

   For example, `chmod 751 unzip_sparc`

5.  Extract the contents of the OFS_REG_REP_RBI 8.0.7.0.0 in the Download Directory installer archive file using the following command:

    `unzip OFS_REG_REP_RBI_8.0.7.0.0_GENERIC.zip`

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

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

    `chmod –R 755 OFS_REG_REP_RBI`

# 3    Installing Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack

The OFS_REG_REP_RBI installer can be installed in both GUI and silent mode.

For executing the installer in silent mode, refer to the section .

## 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` file

3)  Navigate to installer location `OFS_REG_REP_RBI/bin`

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

    `./Setup.sh GUI`



**Installation Splash Screen**

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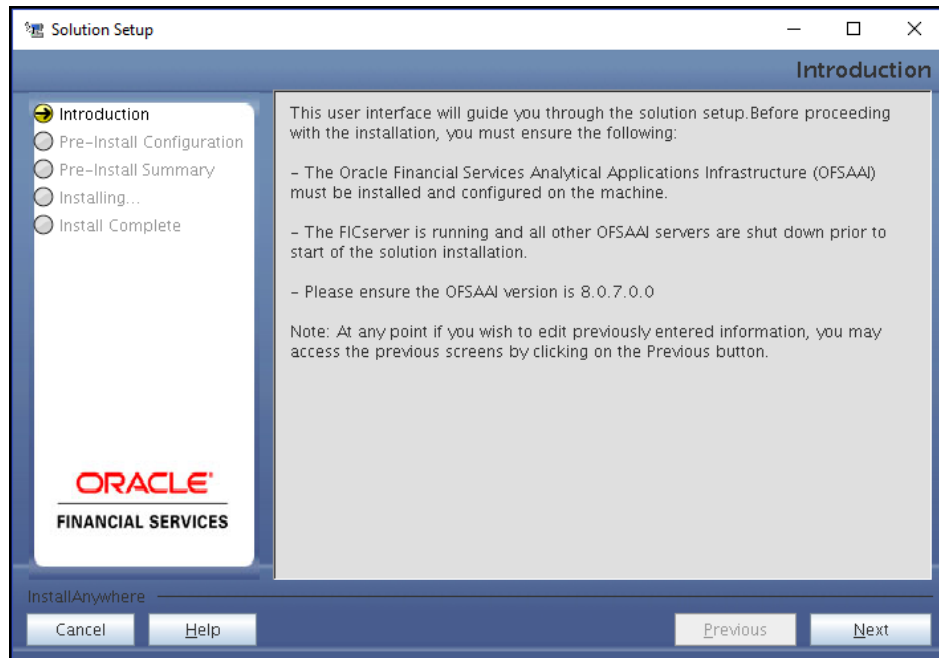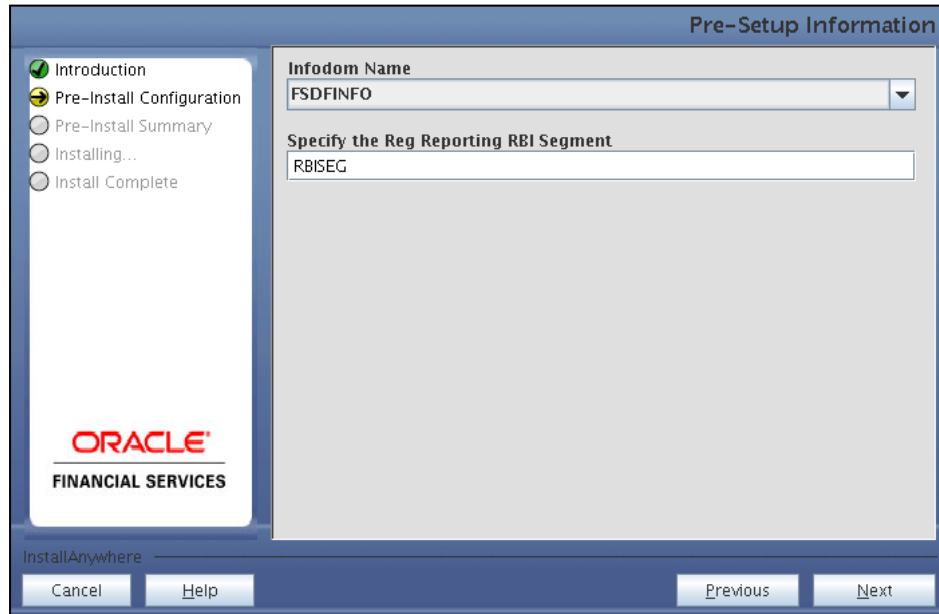
Introduction Screen

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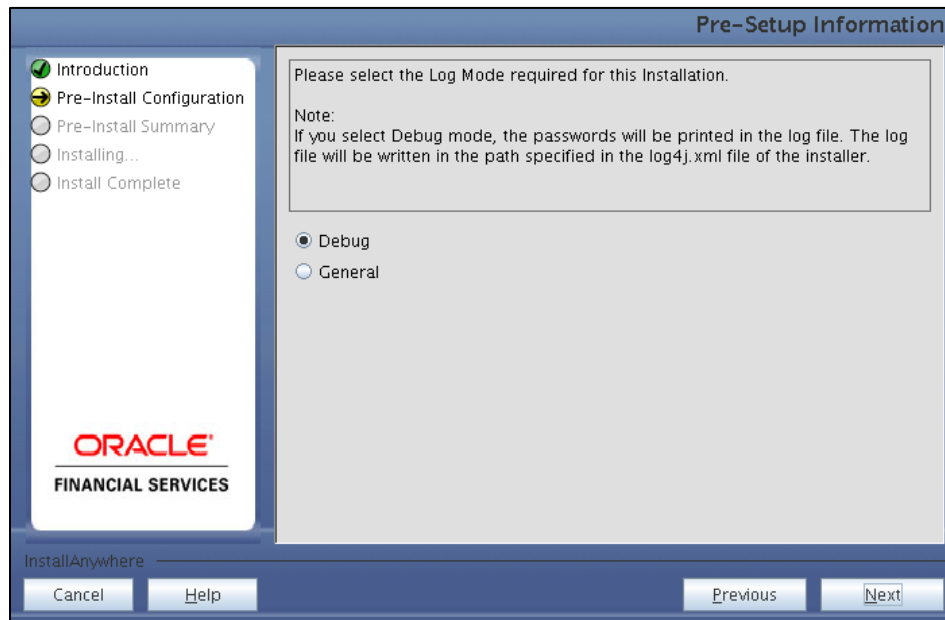


Pre-Setup Information – Log Mode Screen
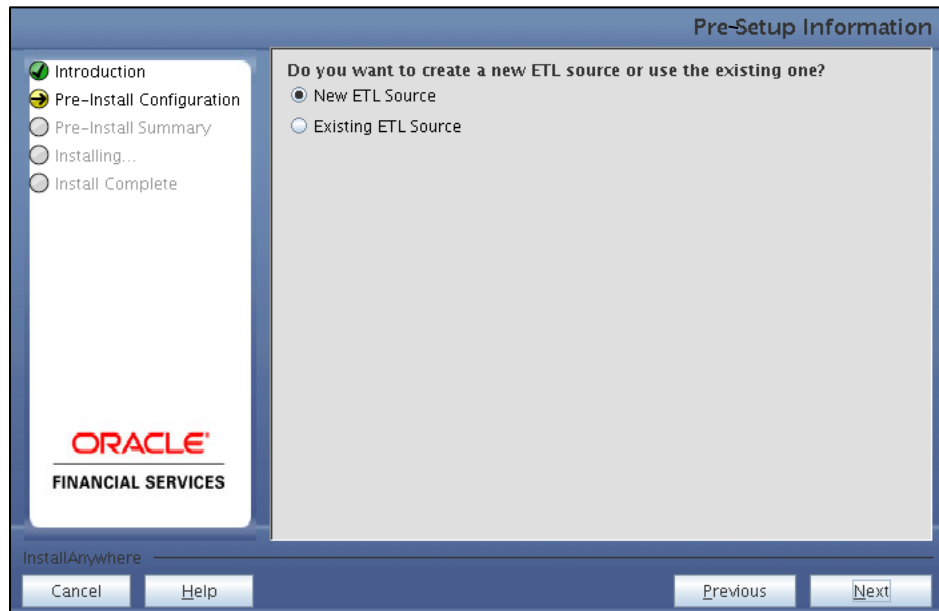
7) In the **Pre-Setup Information** screen, specify the existing infodom name to be used for the application installation and click **Next**.



Pre-Setup Information – Infodom Type Screen
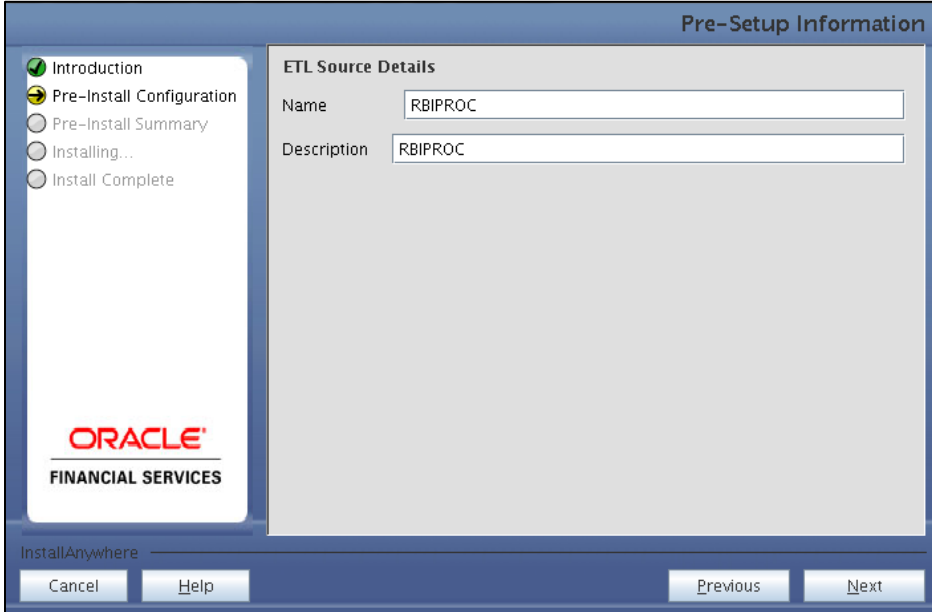
8) In the **Pre-Setup Information** screen, select **New ETL Source** and click **Next**.



Pre-Setup Information – ETL Source Selection Screen

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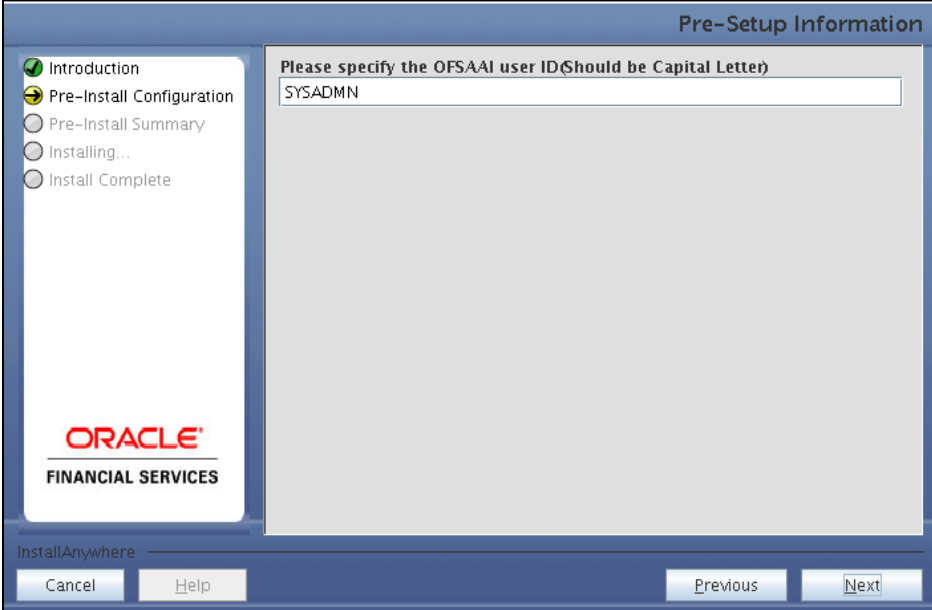


Pre-Setup Information – ETL Source Details Screen

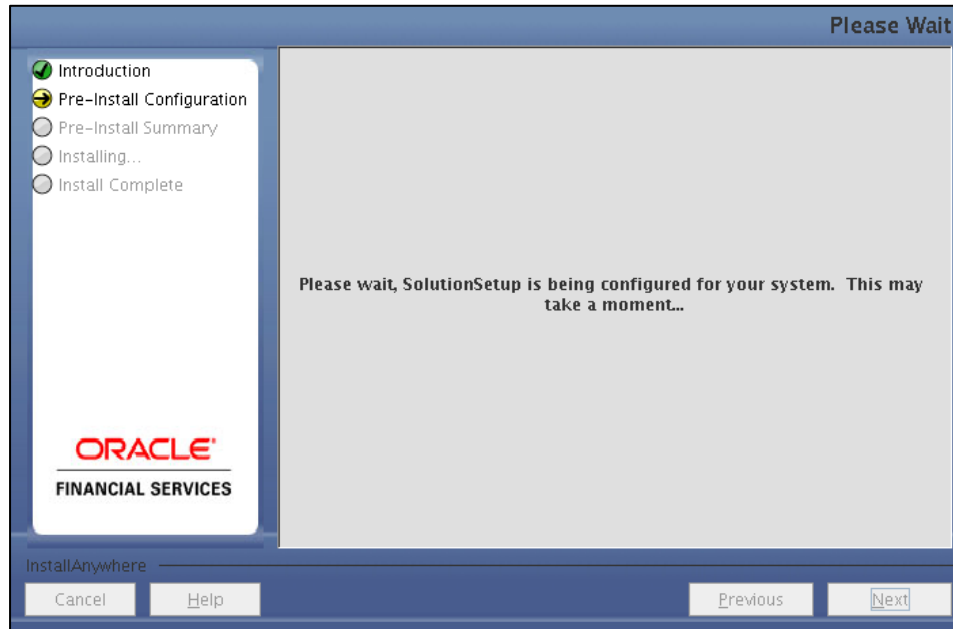10) In the **Pre-Setup Information** screen, enter the **OFSAAI User ID** and click **Next**.
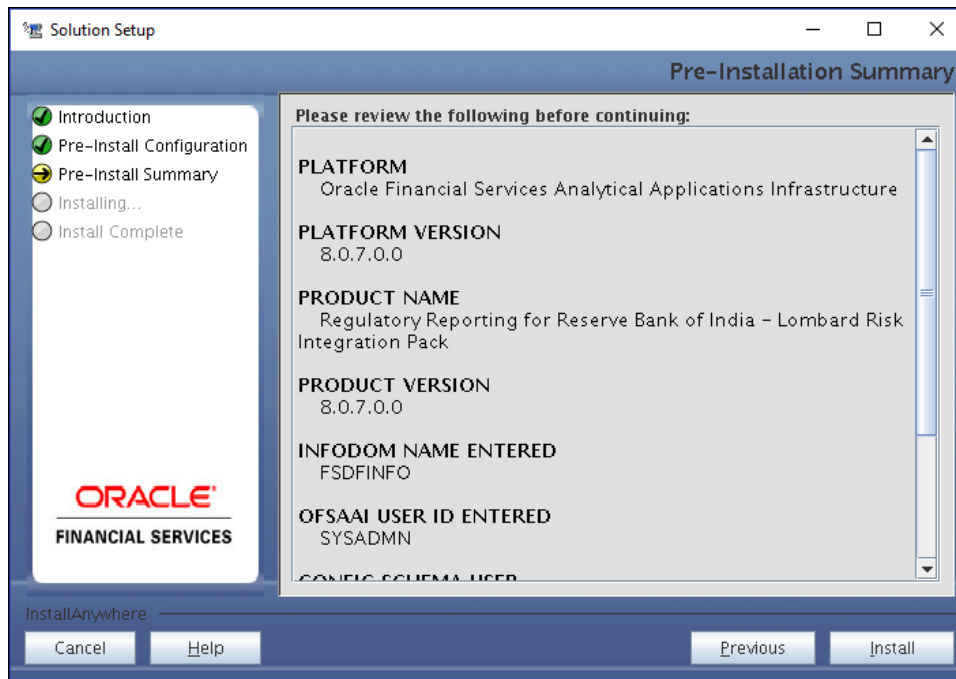
Default Value is: **SYSADMN**



Pre-Setup Information – OFSAAI User ID Screen

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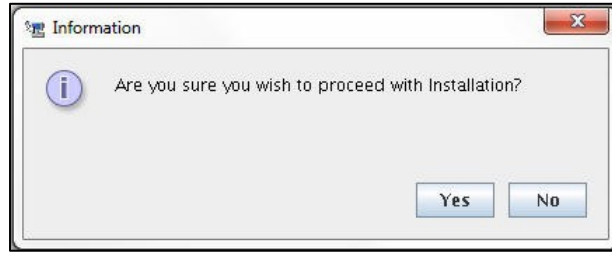


**Pre-Install Configuration – Please Wait Screen**

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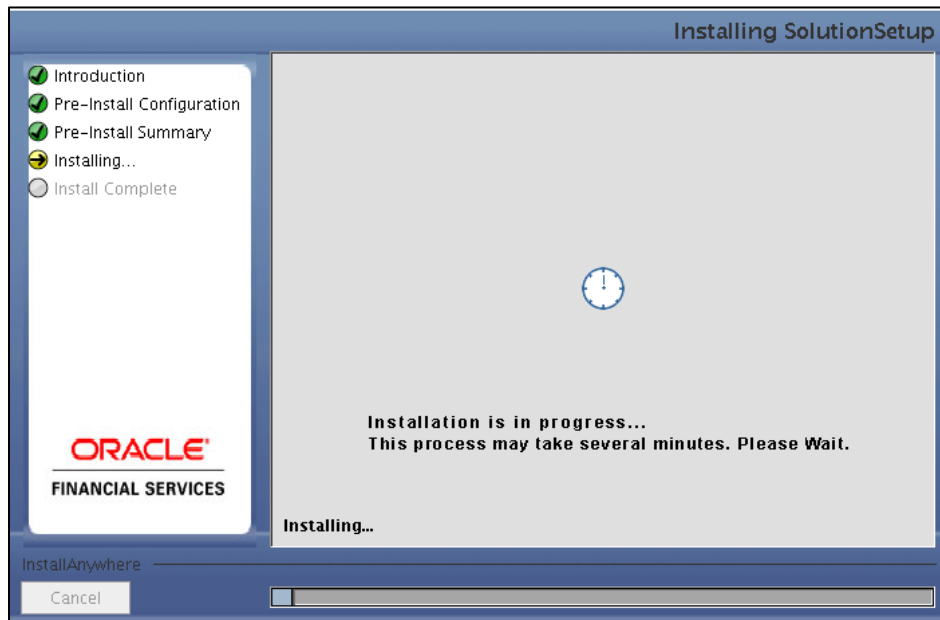


**Pre-Installation Summary Screen**

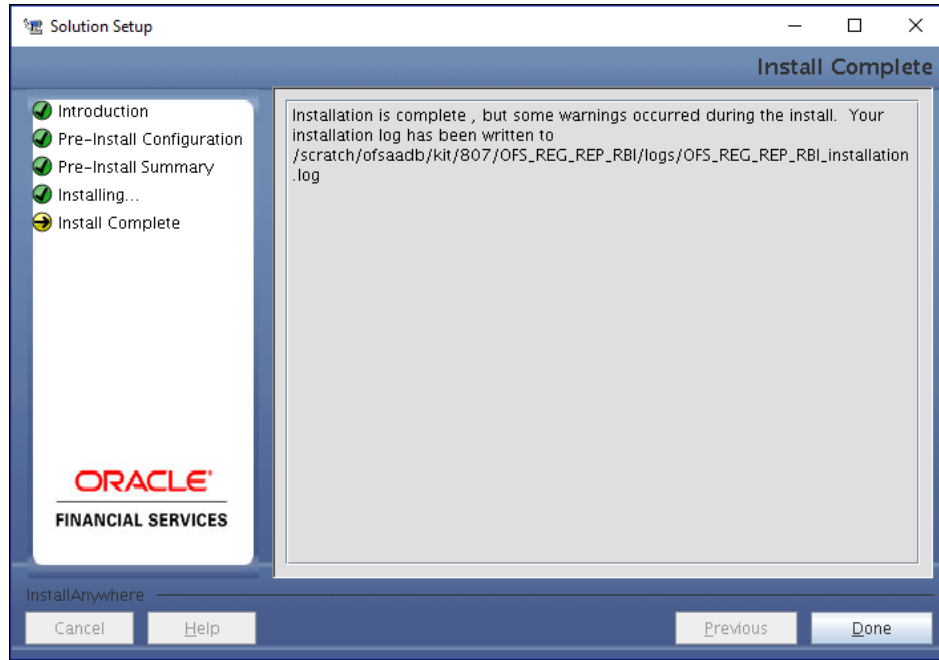13) The following message is displayed. Select **Yes** to begin the installation process.



14) The **Installing SolutionSetup** screen is displayed.



**Installing Solution Setup Screen**

15) The **Install Complete** screen is displayed.



**Install Complete Screen**

16) Refer to the log file created in the path **/OFS_REG_REP_RBI/logs** of installer directory for any error messages.

17) 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_REG_REP_RBI/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 | 1 = Debug<br>0 = General | OPTIONAL. Default is 0. |
| INFODOM_NAME | Specify name of Information Domain (Infodom) into which you wish to install. | For example: FSDFINFO | MANDATORY. Specify Infodom Name Value where FSDF Application is installed. |
| APPFTP_LOG_PATH | Specify the Infodom App Maintenance log path | For example:<br>`/scratch/ofsaadb/ftpshare/FSDFINFO/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:<br>`/scratch/ofsaadb/ftpshare/FSDFINFO/logs` | MANDATORY. Path value must be same as the path which was given during FSDF installation. |
| SEGMENT_1_CODE | Specify the Reserve Bank of India Segment Code | For example: RBISEG | MANDATORY |

| ETL_APPSRC_TYPE | Specify if you want to create new ETL Source or use an existing one. | 0 = If you want to create a new ETL Source<br><br>1 = If you want to use an existing Source | MANDATORY. Default is 0. |
| --- | --- | --- | --- |
| ETL_SRC_1_NAME | Specify the ETL Source Name where ETL Area Definitions are deployed | For example: RBI807SRC | MANDATORY |
| ETL_SRC_1_DESC | Specify the description for the ETL Source | For example: RBI807SRDES | MANDATORY WHEN ETL_APPSRC_TYPE = 0 |

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

2) Execute the user `.profile` file

3) Navigate to installer location `OFS_REG_REP_RBI/bin`

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

   `./Setup.sh SILENT`

# 4    Post Installation Actions

Perform the following actions post 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 path **/OFS_REG_REP_RBI/logs** to ensure that there are no errors reported.

♦   Restart all the OFSAAI Servers. See *OFS AAAI Release 8.0.2.0.0 Installation and Configuration Guide* for more information.

♦   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 AAAI 8.0.2.0.0 Installation and Configuration Guide*.

♦   Execute the Report-wise batches to Re-save and Refresh the Derived Entities:

♦   Perform the additional configurations if required as mentioned under the *Additional Configurations* section in *OFS AAAI Release 8.0.5.0.0 Installation Guide*.

The Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack is now ready for use. If you encounter any problems during set up, contact OFSAA Support at Oracle Support Services.

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Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack Installation Guide, Release 8.0.7.0.0

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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/