

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

Installation Guide

Release 8.0.6.0.0

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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 8.0.6.0.0 features.
Created by: Naveen Harry D'Cruz	Reviewed by: Kiran Kumar, Dattatraya Bhat	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 8.0.6.0.0 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 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 8.0.6.0.0.

This chapter discusses the following topics:

- ◆ [Audience](#)
- ◆ [Scope](#)
- ◆ [Prerequisites for the Audience](#)
- ◆ [How this Guide is organized](#)
- ◆ [Documentation Accessibility](#)
- ◆ [Access to Oracle Support](#)
- ◆ [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> if you are 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 8.0.6.0.0
- ◆ Oracle Financial Services Data Foundation Installation Manual Release 8.0.6.0.0 Java 7 and Java 8
- ◆ Oracle Financial Services Analytical Applications Infrastructure Installation Guide Release 8.0.6.0.0

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 <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 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 v8.0.6.0.0. 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 **27881335** under the Patches and Updates tab to download the OFS_REG_REP_RBI_8.0.6.0.0_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:

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

- ◆ 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).
- ◆ AgileREPORTER version **1.15.9-b37**
- ◆ AgileREPORTER RBI Template package (**AgileREPORTER_RBI_Package_v1.18.1.2**)
- ◆ 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, Refer *OFS AAI Release 8.0.6.0.0 Installation Guide* ([OHC](#) Documentation Library) for more information.

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_8.0.6.0.0_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 8.0.6.0.0 in the Download Directory installer archive file using the following command:

```
unzip OFS_REG_REP_RBI_8.0.6.0.0_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 [Silent Mode Installation](#).

3.1 GUI Mode Installation

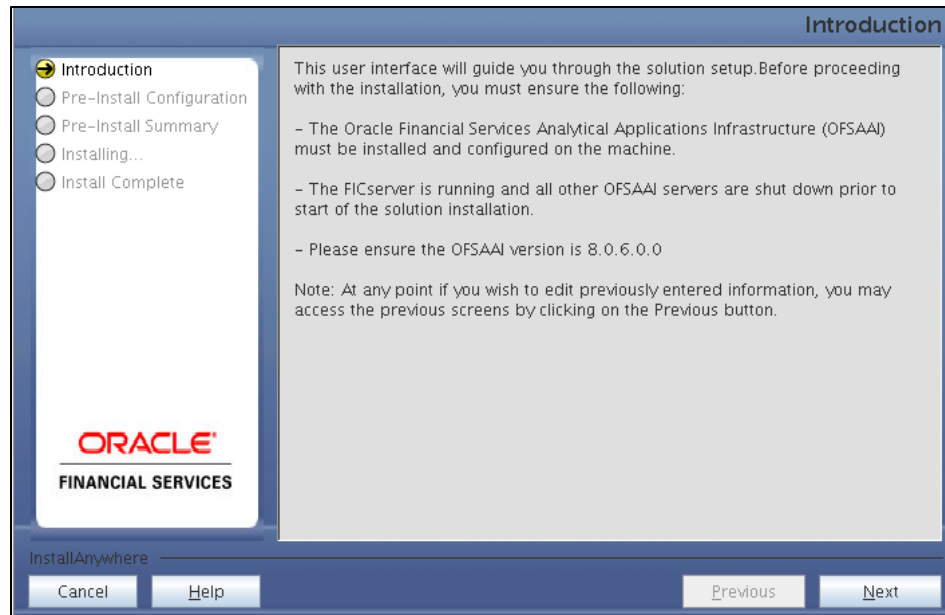
For running in GUI mode:

- 1) Log in to the system as **non-root user**
- 2) Execute the user **.profile** 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



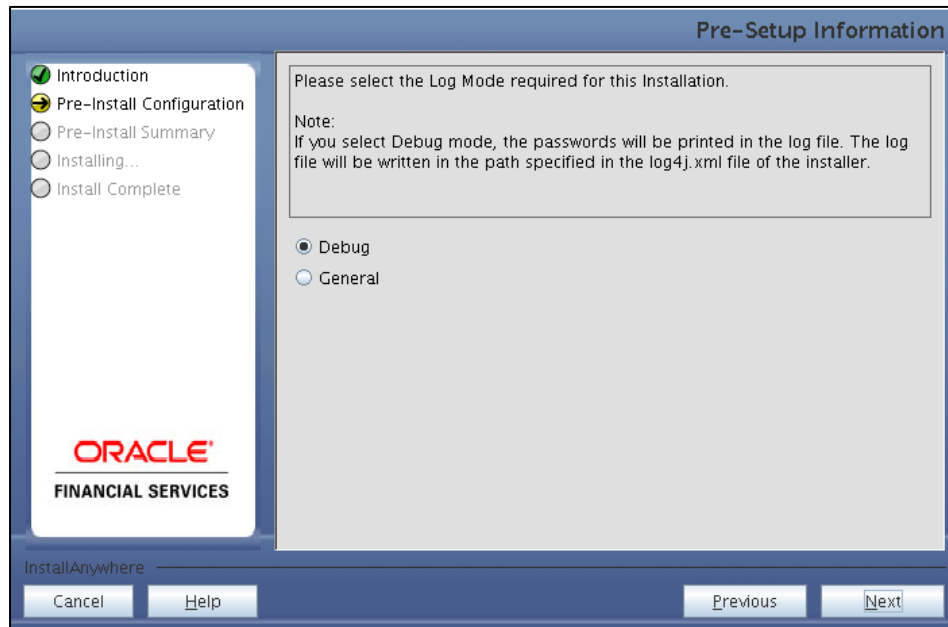
Installation Splash Screen

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



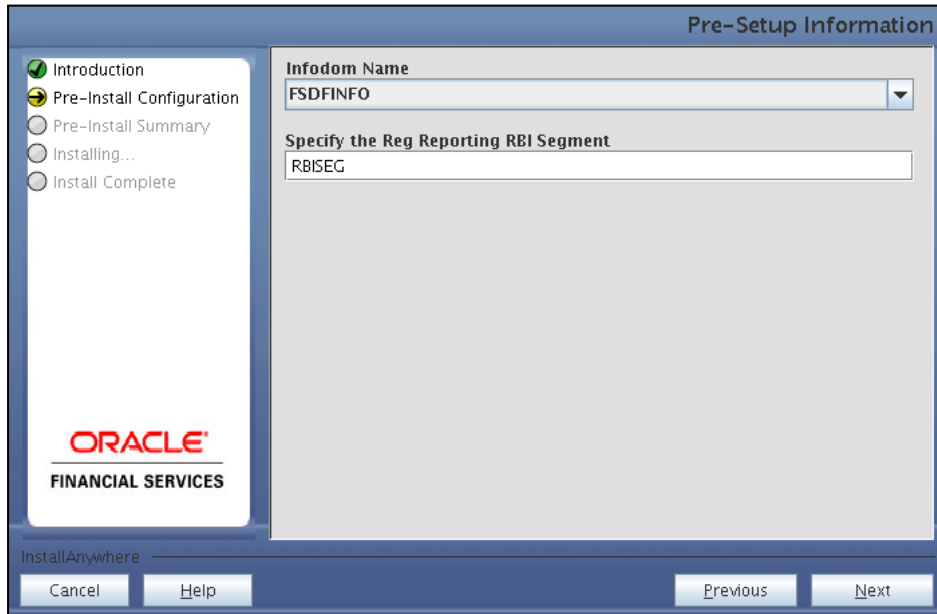
Introduction Screen

- 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

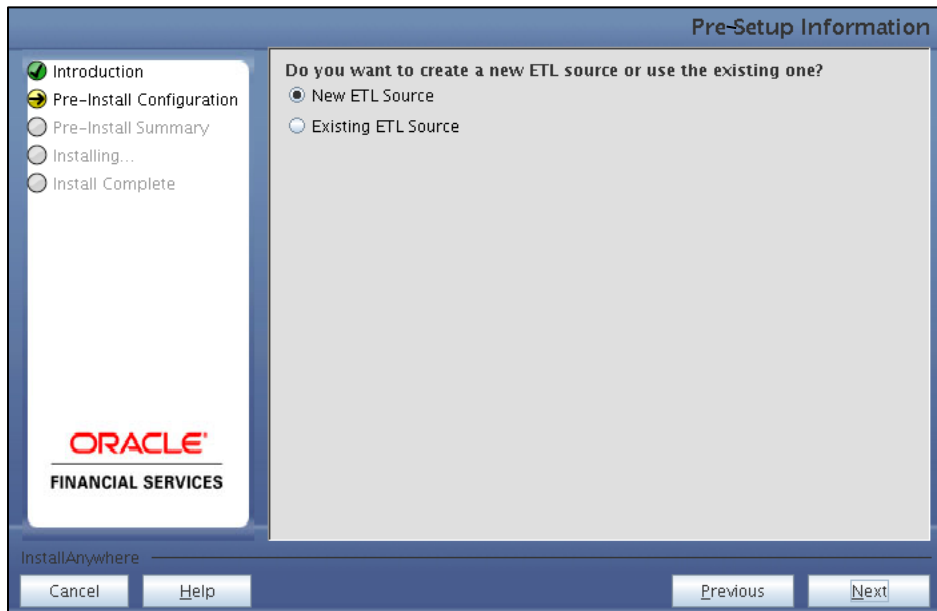
- 7) In the **Pre-Setup Information** screen, specify the existing infodom name to be used for the application installation and click **Next**.



The screenshot shows the 'Pre-Setup Information' dialog box. On the left, a navigation pane lists steps: Introduction (checked), Pre-Install Configuration (selected), Pre-Install Summary, Installing..., and Install Complete. The main area contains two input fields: 'Infodom Name' with a dropdown menu showing 'FSDFINFO' and 'Specify the Reg Reporting RBI Segment' with a text box containing 'RBISEG'. The Oracle Financial Services logo is at the bottom left, and 'InstallAnywhere' is at the bottom center. Buttons for 'Cancel', 'Help', 'Previous', and 'Next' are at the bottom.

Pre-Setup Information – Infodom Type Screen

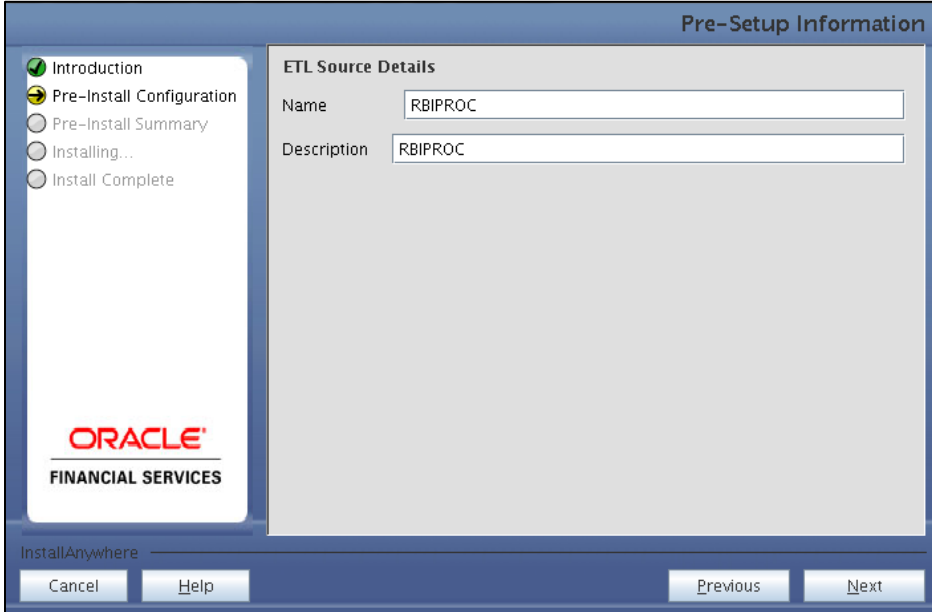
- 8) In the **Pre-Setup Information** screen, select **New ETL Source** and click **Next**.



The screenshot shows the 'Pre-Setup Information' dialog box. The navigation pane is the same as in the previous screenshot. The main area contains a question: 'Do you want to create a new ETL source or use the existing one?' with two radio button options: 'New ETL Source' (selected) and 'Existing ETL Source'. The Oracle Financial Services logo is at the bottom left, and 'InstallAnywhere' is at the bottom center. Buttons for 'Cancel', 'Help', 'Previous', and 'Next' are at the bottom.

Pre-Setup Information – ETL Source Selection Screen

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

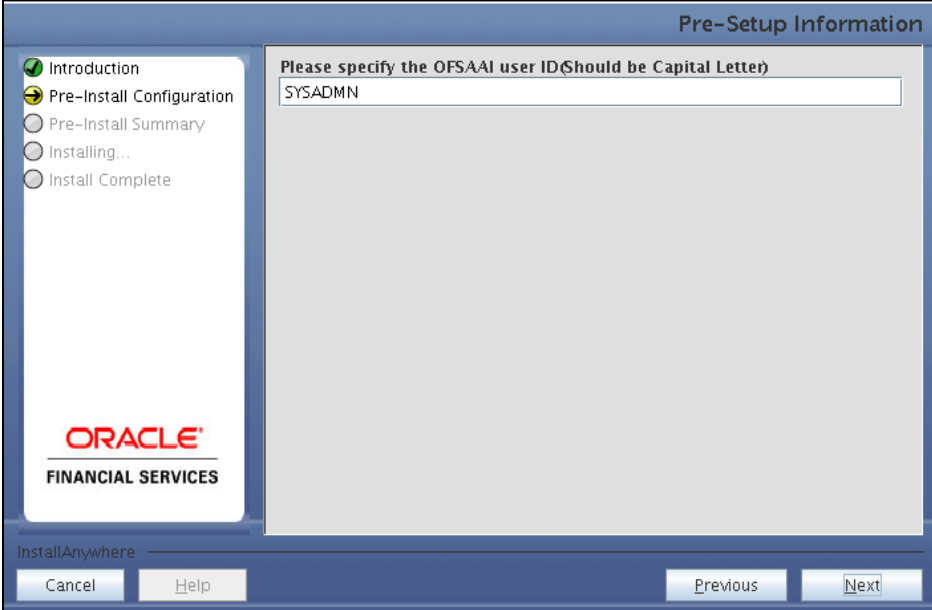


The screenshot shows the 'Pre-Setup Information' window. On the left, a navigation pane lists steps: Introduction (checked), Pre-Install Configuration (selected), Pre-Install Summary, Installing..., and Install Complete. The main area is titled 'ETL Source Details' and contains two text input fields: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

Pre-Setup Information – ETL Source Details Screen

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

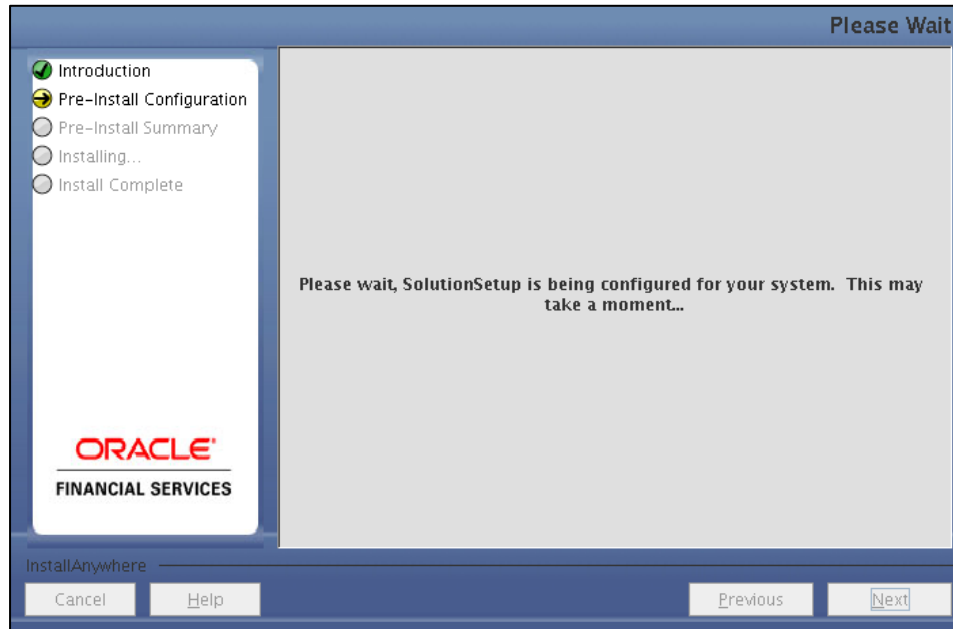
Default Value is: **SYSADMN**



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'. The Oracle Financial Services logo is at the bottom left. At the bottom, there are buttons for 'Cancel', 'Help', 'Previous', and 'Next'.

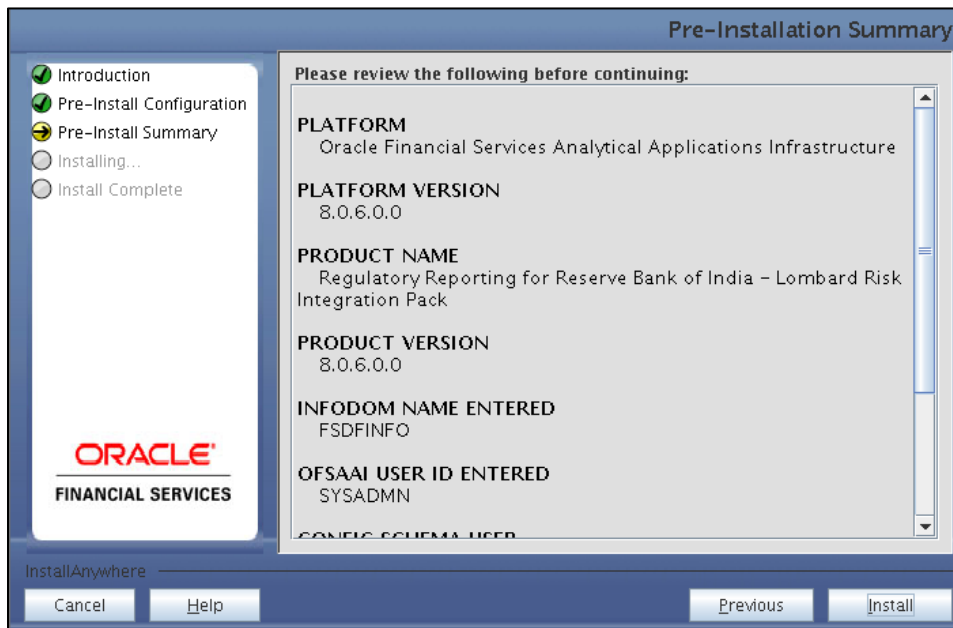
Pre-Setup Information – OFSAAI User ID Screen

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



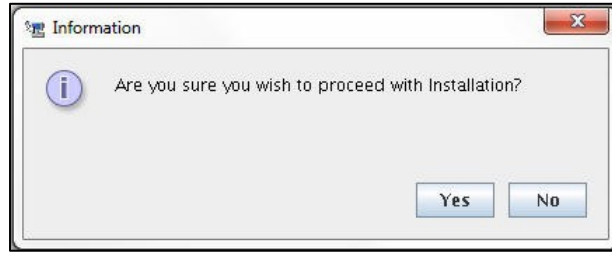
Pre-Install Configuration – Please Wait Screen

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

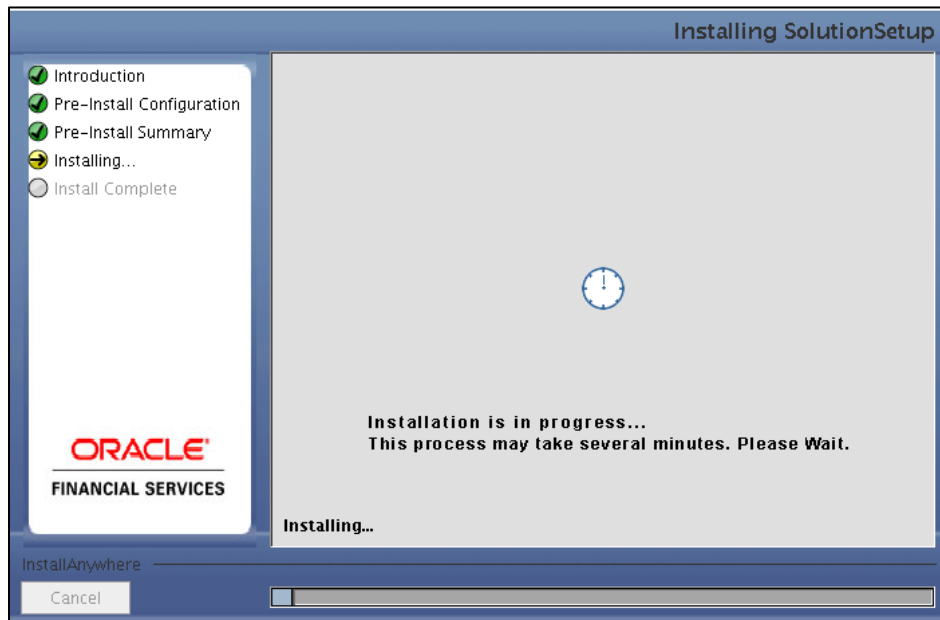


Pre-Installation Summary Screen

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

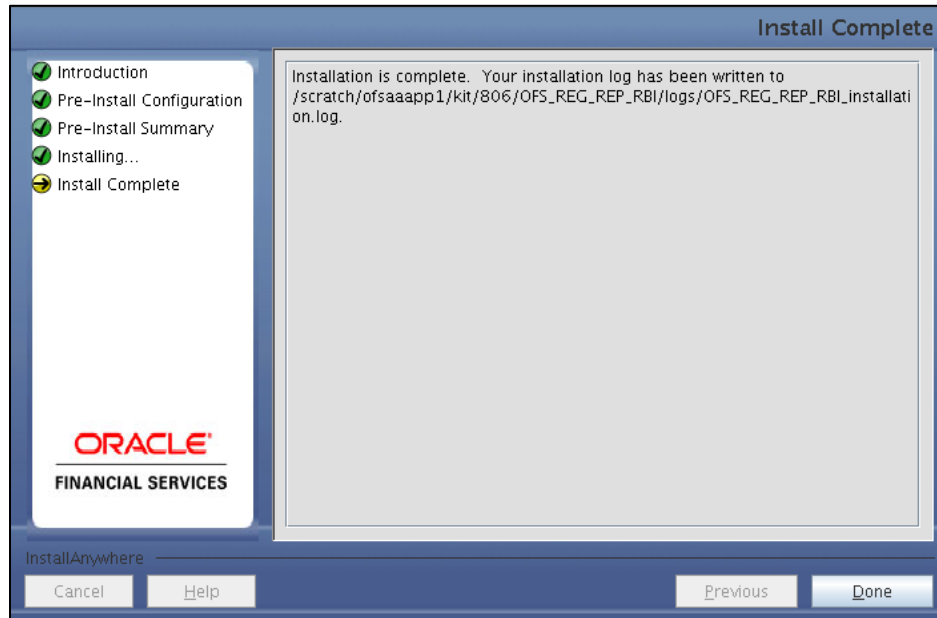


14) The **Installing SolutionSetup** screen is displayed.



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 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: /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: /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 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: RBI806SRC	MANDATORY

ETL_SRC_1_DESC	Specify the description for the ETL Source	For example: RBI806SRDES	MANDATORY WHEN ETL_APPSRC_TYPE = 0
----------------	--	--------------------------	------------------------------------

- 1) Log in to the system as **non-root** user
- 2) Execute the user **.profile**
- 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 AAI 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 AAI 8.0.2.0.0 Installation and Configuration Guide](#).
- ◆ [IMPORTANT]: Hierarchy **HRBI116** is enhanced to meet the GDPR compliance having its definition mapped to DIM_CUSTOMER.V_CUSTOMER_FULL_NAME, with logic intact.

Execute the following update script:

```
update DIM_CUSTOMER set DIM_CUSTOMER.V_CUSTOMER_FULL_NAME =  
    DIM_CUSTOMER.V_D_CUST_FIRST_NAME || '  
    ' || DIM_CUSTOMER.V_D_CUST_MIDDLE_NAME || '  
    ' || DIM_CUSTOMER.V_D_CUST_LAST_NAME
```

- ◆ Execute the following three batches to Re-save the Derived Entities:

- `<<INFODOM>>_REG_REP_RBI_RCAIII_RESAVE`
- `<<INFODOM>>_REG_REP_RBI_DE_RESAVE`
- `<<INFODOM>>_RBI_ADJUSTMENT_RESAVEDE`

- ◆ Execute the following three batches to Refresh the Derived Entities:

- `<<INFODOM>>_REG_REP_RBI_RCAIII_REFRESH`
- `<<INFODOM>>_REG_REP_RBI_MV_REFRESH`
- `<<INFODOM>>_RBI_ADJUSTMENT_REFRESH`

- ◆ 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 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](#).



Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack Installation Guide, Release 8.0.6.0.0

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