Oracle Financial Services Regulatory Reporting for European Banking Authority (EBA) – Lombard Risk Integration Pack

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 Post Installation Activities section for Apache Log4j Issue.
1.0	Created: December 2018	Document contents are categorized to appropriate sections and structured considering all the 8.0.7.0.0 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 8.0.7.0.0 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.

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Preface

Oracle Financial Services Regulatory Reporting for European Banking Authority – Lombard Risk Integration Pack (OFS_REG_REP_EBA) enables the customers to enables the banks to comply with BCBS 239 regulations. It integrates risk data reporting systems and enhances the accuracy of reporting in banks. OFS Risk Regulatory Solution (RRS) 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 – OFS AgileREPORTER 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 European Banking Authority (OFS_REG_REP_EBA) 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 European Banking Authority – Lombard Risk Integration Pack System Administrator. It provides step-by-step instructions necessary for installing the OFS_REG_REP_EBA application components.

Scope

This manual provides a step-wise instruction to install Oracle Financial Services Regulatory Reporting for European Banking Authority – Lombard Risk Integration Pack.

Prerequisites for the Audience

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 European Banking Authority – 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 European Banking Authority – Lombard Risk Integration Pack.

Documentation Accessibility

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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 European Banking Authority – Lombard Risk Integration Pack. You can access Oracle documentation online from (OHC Documentation Library):

- Oracle Financial Services Regulatory Reporting for European Banking Authority – Lombard Risk Integration Pack Pack User Guide

- Oracle Financial Services Data Foundation Installation Manual Release 8.0.7.0.0 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 *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_REG_REP_EBA	Oracle Financial Services Regulatory Reporting for European Banking Authority – 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 European Banking Authority – Lombard Risk Integration Pack (OFS_REG_REP_EBA) application has qualified. See 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_REG_REP_EBA 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

This release of OFS_REG_REP_EBA 8.0.7.0.0 can be downloaded from the Oracle Support Services site (https://support.oracle.com/). Log in and search for **28752471** under the Patches and Updates tab.

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_EBA application:
- 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 **1.16.1-b132**
- AgileREPORTER European Common Reporting (ECR) Templates **v1_31_0_9**
- AgileREPORTER European Central Bank (ECB) Templates **v1_3_2_6**
- Ensure that you have executed **.profile** file 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.

2.3 Configuration for GUI Mode Installation

To install OFS_REG_REP_EBA 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 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_EBA software.

1. Copy OFS_REG_REP_EBA v8.0.7.0.0 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_EBA 8.0.7.0.0 in the Download Directory installer archive file using the following command:

   `unzip OFS_REG_REP_EBA_8.0.7.0.0_<os>.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_EBA`

3   GUI Mode Installation

The OFS_REG_REP_EBA 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:

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

2) Execute the user **.profile**

3) Navigate to installer location **OFS_REG_REP_EBA/bin**

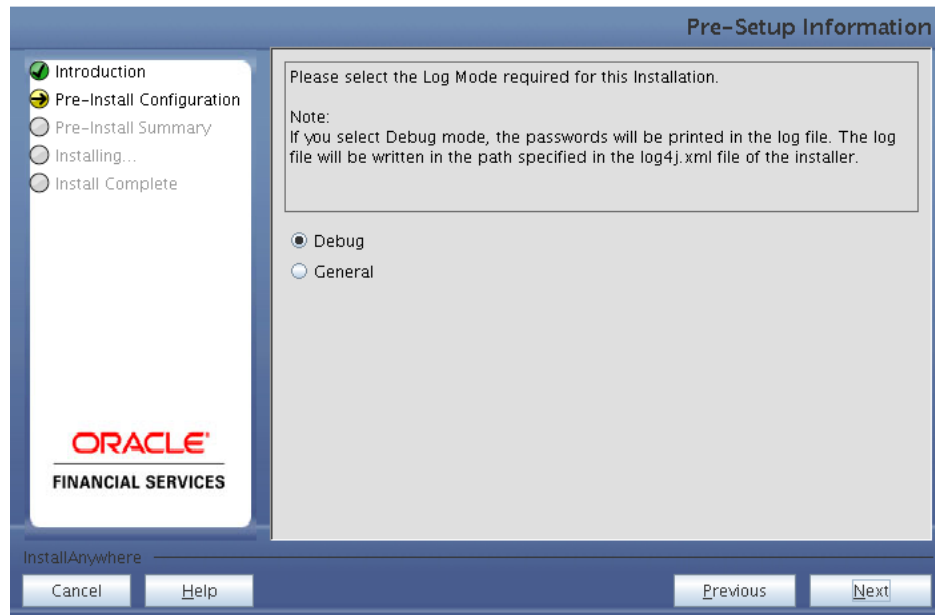4) Run the installer in GUI Mode by executing the command:

   `./Setup.sh GUI`

Installation Splash Screen

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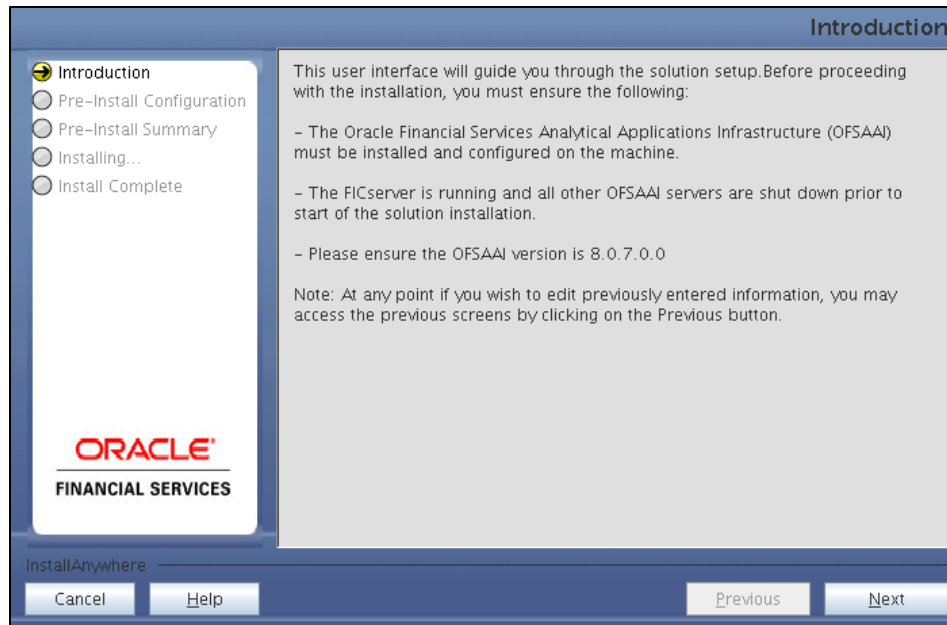
Introduction Screen

2. Choose the **Log Mode** for this installer. If you select, **Debug**, the Passwords 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**.
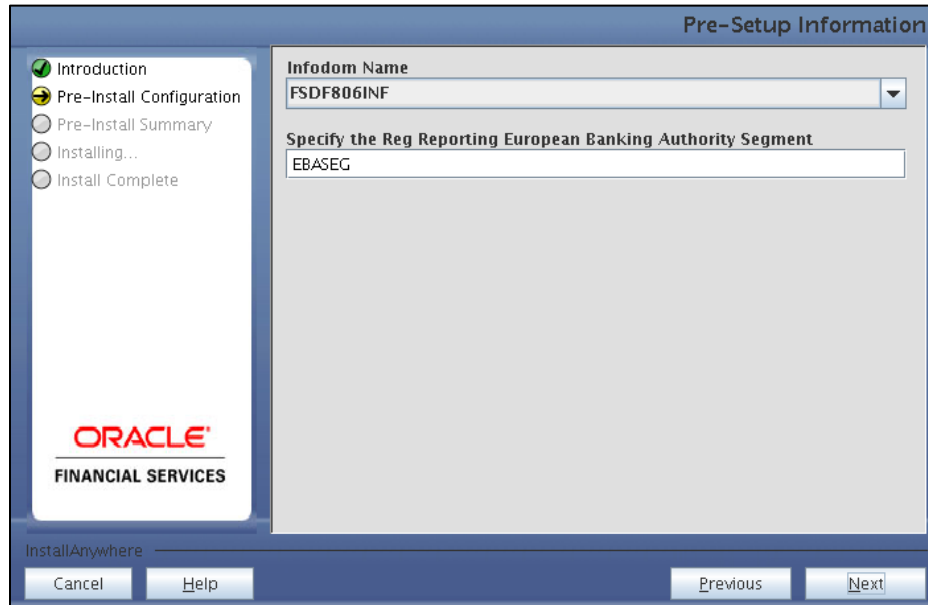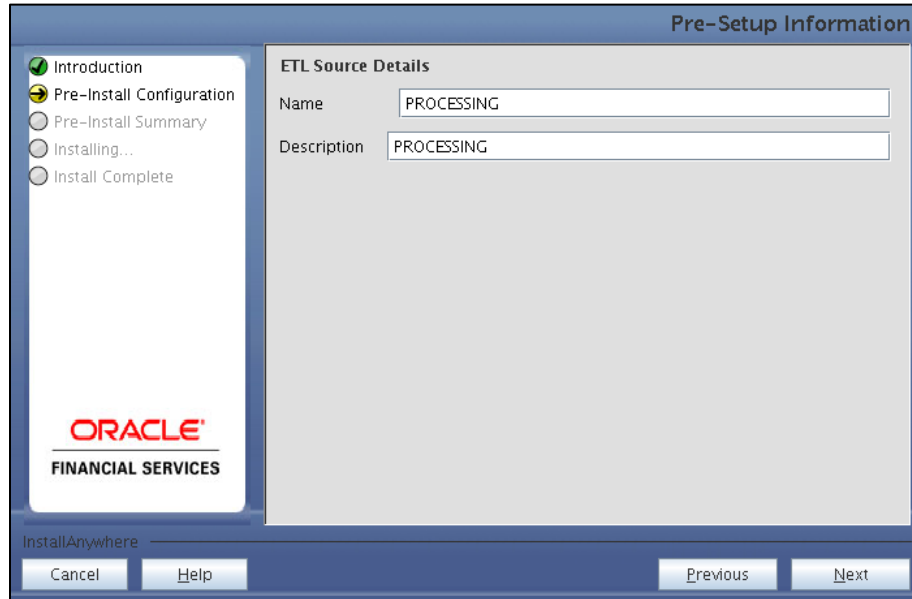
Pre-Setup Information – Infodom Type Screen

4. In the **Pre-Setup Information** screen, select **New ETL Source** to create a new ETL source and
    click **Next**.
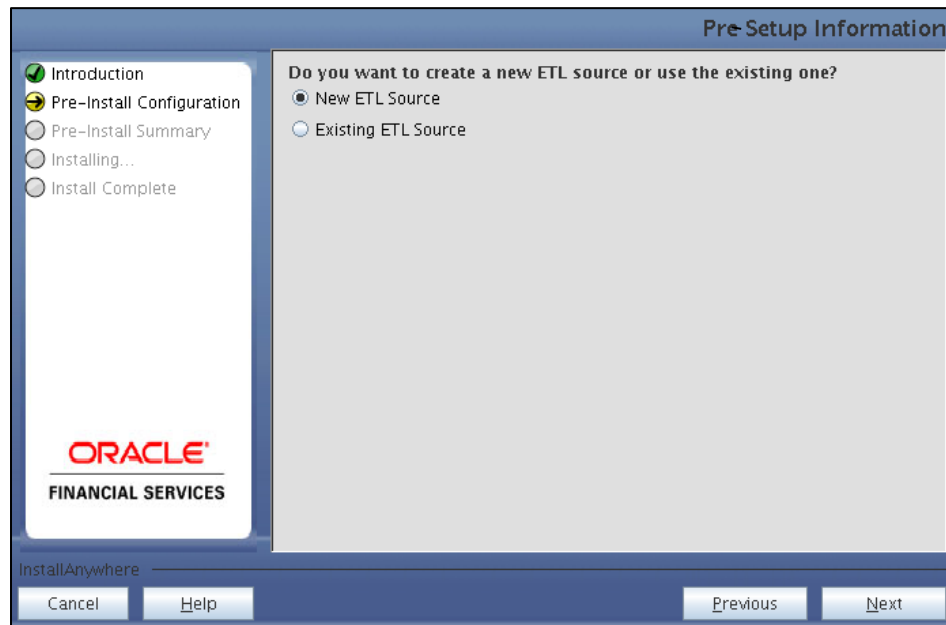
Pre-Setup Information – ETL Source Screen

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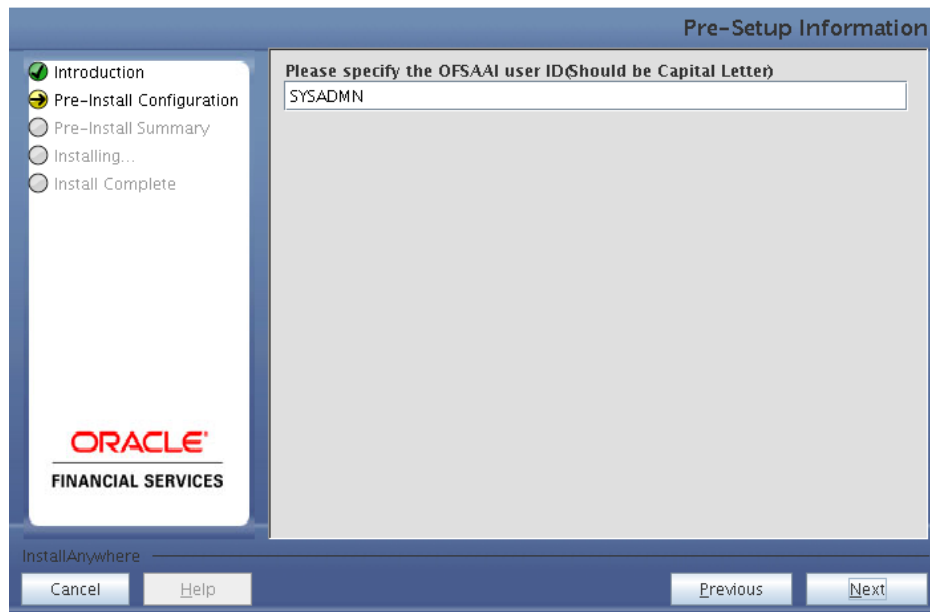
Pre-Setup Information – ETL Source Details Screen

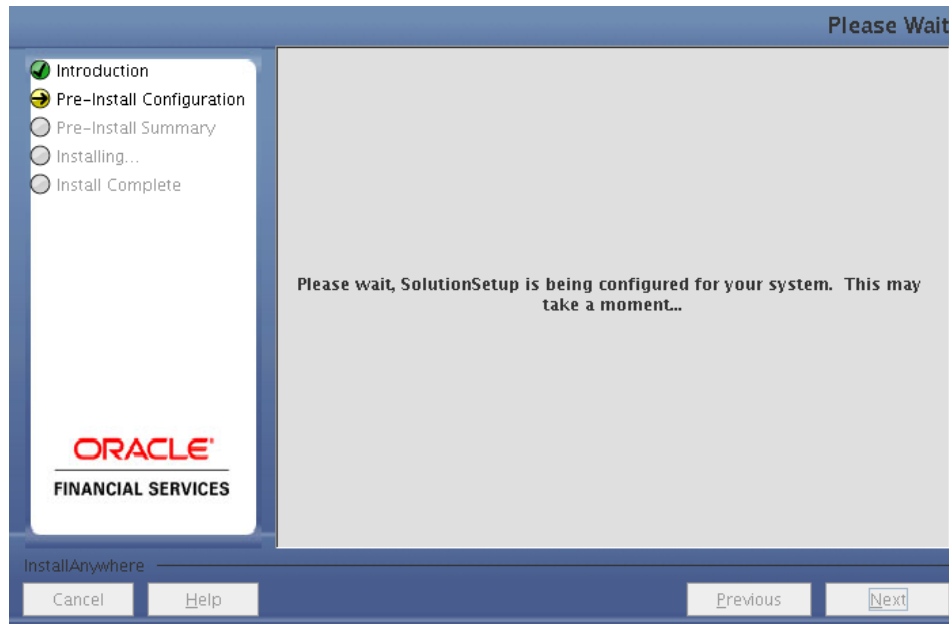6. In the **Pre-Setup Information** screen, enter the **OFSAAI User ID** and click **Next**.
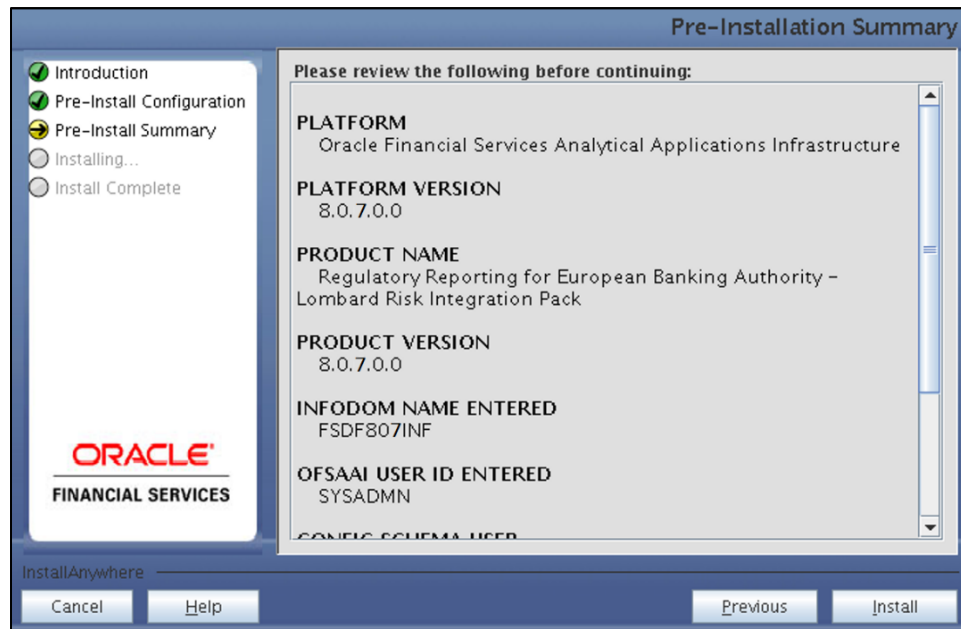
Default Value is: **SYSADMN**

Pre-Setup Information – OFSAAI User ID Screen

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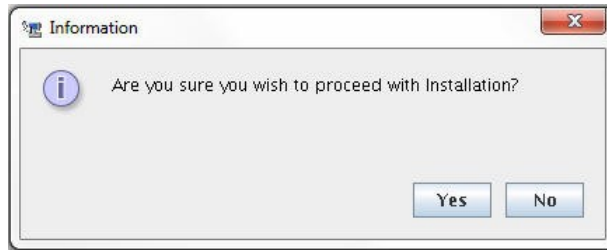

Pre-Install Configuration – Please Wait Screen

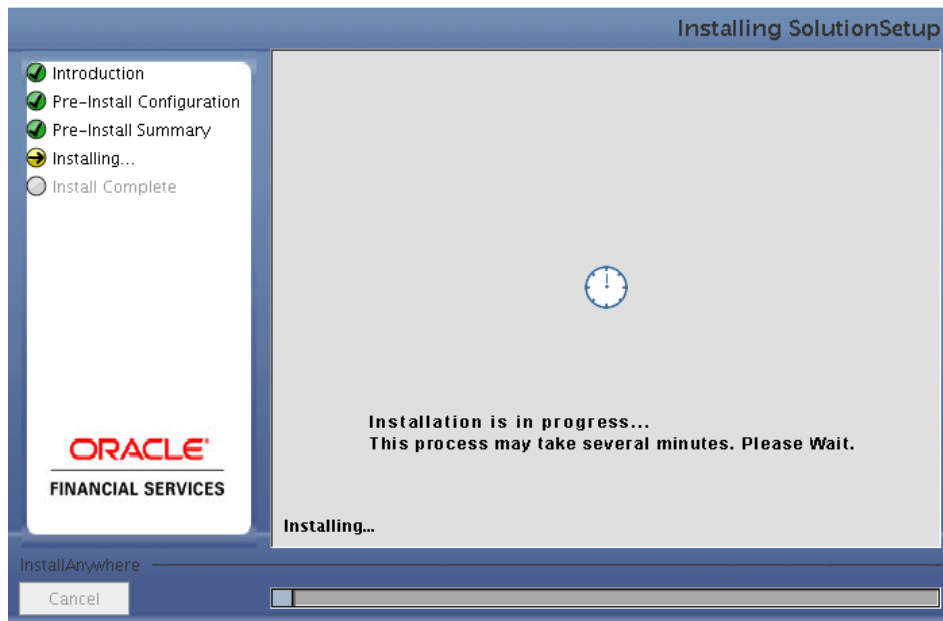8. Review the settings in the **Pre-Installation Summary** screen and click **Install**.

Pre-Installation Summary Screen

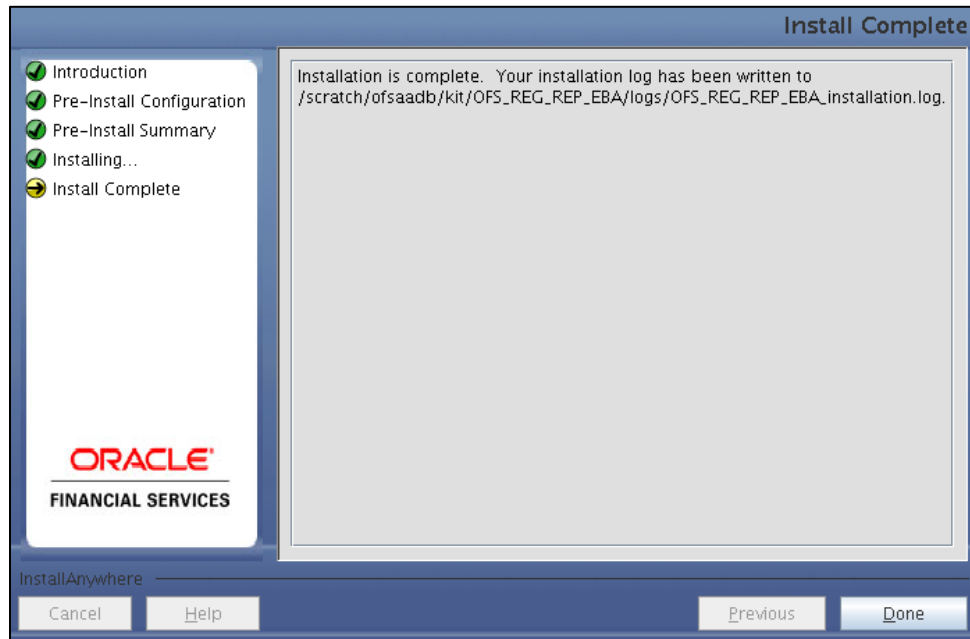9. The following message is displayed. Select **Yes** to begin the installation process.

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_REG_REP_EBA/logs** of installer directory for any error messages.

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

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. Navigate to installer directory **OFS_REG_REP_EBA/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: FSDF806INF	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/FSDF807INF/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/FSDF807INF/logs	MANDATORY. Path value must be same as the path which was given during FSDF installation.
SEGMENT_1_CODE	Specify the European Banking Authority Segment Code	For example: EBASEG	MANDATORY

Property Name	Description of Property	Permissible Values	Comments
ETL_APPSRC_TYPE	Specify if you want to create new ETL App/Src pair 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: EBAPROC	MANDATORY
ETL_SRC_1_DESC	Specify the description for the ETL Source	For example: EBADESC	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_EBA/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.

5 Post Installation Activities

The post-installation steps required for this release are:

1. 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.

2. Refer to the log file in the **/OFS_REG_REP_EBA/logs** directory to ensure that there are no errors reported. Contact My Oracle Support in case of any issues.
3. Execute all the DE resave batches.
4. 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*.
5. 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*.
6. 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 European Banking Authority – Lombard Risk Integration Pack is now ready for use.

5.1 Deploying Config Package

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_EBA_80700.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>
      ```

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For example:

```
./config.sh –a /scratch/kit/80700/OFS_REG_REP_EBA/Config_Package/
OFSAA_REG_REP_EBA_80700.zip
```

c. Activate the configuration with the following command:

```
./config.sh -t OFSAA_REG_REP_EBA_80700 -iv 8.0.7.0.0
```

d. Update the Alias with the following command:

```
./config.sh -ea OFSAA_REG_REP_EBA_80700 -iv 8.0.7.0.0 -alias
"OFSAA EBA DATA SOURCE" -aif
<LombardAgileREPORTER>/bin/aliasinfo.properties
```

2. To deploy the product configuration on Lombard AgileREPORTER using the package
   OFSAA_REG_REP_ECB_80700.zip bundled inside the **Ana_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_2 Full Path>
   ```

   For example:

   ```
   ./config.sh –a
   /scratch/kit/80610/OFS_REG_REP_EBA/Ana_Config_Package/
   OFSAA_REG_REP_ECB_80700.zip
   ```

   c. Activate the configuration with the following command:

   ```
   ./config.sh -t OFSAA_REG_REP_ECB_80700 -iv 8.0.7.0.0
   ```

   d. Update the Alias with the following command:

   ```
   ./config.sh -ea OFSAA_REG_REP_ECB_80700 -iv 8.0.7.0.0 -alias
   "OFSAA EBA DATA SOURCE" -aif
   <LombardAgileREPORTER>/bin/aliasinfo.properties
   ```

NOTE: As ECB and EBA are pointing towards the same database host, alias update will have same
data source as **OFSAA EBA DATA SOURCE** in the **manifest.xml** file.

If you encounter any problems during deployment, contact OFSAA Support at Oracle Support Services.

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December 2018

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