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

Installation Guide

Release 8.0.7.2.0

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Document Control

Version Number	Revision Date	Changes Done
1.1	Updated: December 2021	Updated Post-installation Steps section for Apache Log4j Issue.
1.0	Created: June 2019	Document contents are categorized to appropriate sections and structured considering all the 8.0.7.2.0 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 8.0.7.2.0 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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1   Preface

Oracle Financial Services Regulatory Reporting for European Banking Authority (EBA) – Lombard Risk Integration Pack (OFS REG REP EBA) 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 (EBA) – Lombard Risk Integration Pack (OFS REG REP EBA) Release 8.0.7.2.0.

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

1.1   Audience

This document is meant for Oracle Financial Services Regulatory Reporting for European Banking Authority System Administrator. It provides step-by-step instructions necessary for installing the OFS REG REP EBA application components.

1.2   Scope

This document provides a step-wise instruction to install Oracle Financial Services Regulatory Reporting for European Banking Authority (EBA) – Lombard Risk Integration Pack (OFS REG REP EBA).

1.3   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.

1.4 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.

- **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.

1.5 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

1.6 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.

1.7 Related Documents

This section identifies additional documents related to Oracle Financial Services Regulatory Reporting for European Banking Authority. You can access Oracle documentation online from OHC Documentation Library:

- Oracle Financial Services Regulatory Reporting for European Banking Authority (EBA) – Lombard Risk Integration Pack (OFS REG REP EBA) User Guide

- Oracle Financial Services Data Foundation Installation Manual Release 8.0.7.1.0 Java 7 and Java 8

- Oracle Financial Services AgileREPORTER Installation Manual Release 8.0.7.1.0

- Oracle Financial Services Analytical Applications Infrastructure Environment Check Utility Guide (present in this OHC Documentation Library)

1.8 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

Conventions	Description
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 (EBA) – Lombard Risk Integration Pack (OFS REG REP EBA).

2 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.

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

3 Preparing for Installation

This chapter provides necessary information to review before installing the OFS REG REP EBA Application v8.0.7.2.0. This chapter includes the following topics:

- Obtaining the Software
- Prerequisites for Installation
- Applying this Maintenance Level Release

3.1 Obtaining the Software

This release of OFS REG REP EBA 8.0.7.2.0 can be downloaded from the Oracle Support Services site (https://support.oracle.com/). Log in and search for **29807934** under the Patches and Updates tab.

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

3.2 Prerequisites for Installation

The following are the prerequisites to install OFS REG REP EBA application:

- Oracle Financial Services Data Foundation (OFSDF) 8.0.7.1.0 (patch **29327317**) 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).

- Oracle Financial Services Regulatory Reporting for European Banking Authority – Lombard Risk Integration Pack 8.0.7.1.0 (patch **29501481**).

- AgileREPORTER version **1.16.2-b107**

- AgileREPORTER (European Common Reporting (ECR)) Template version **1_32_1_1** and European Central Bank (ECB) Template version **1_3_2_6** are available in the AgileREPORTER.

- The following columns must be added on top of FSDF **8.0.7.1.0** data model and sliced model upload must be performed.

Column Change Type	Physical Table Name	Column Name	Logical Name	Data Type	Domain	Null Allowed?	PK	FK	Reference Table Name	Reference Column Name	Column Comments
Add Column	STG_PARTY_DETAILS	D_DEFAULT_STATUS_DATE	Default Status Date	DATE	DATE	YES	NO	NO			This column stores the date on which the default status of the party has changed. For example: the date on which the status has changed from Default to Not in Default.
Add Column	FCT_PARTY_DETAILS	N_DEFAULT_STATUS_DATE_SKEY	Default Status Date Surrogate Key	NUMBER(10)	SurrogateKey_Long	YES	NO	Non-Identifying	DIM_DATES	N_DATE_SKEY	This column stores the surrogate key for the date on which the default status of the party has changed. For example: the date on which the status has changed from Default to Not in Default.
Add Column	FCT_REG_PARTY_DETAILS	N_DEFAULT_STATUS_DATE_SKEY	Default Status Date Surrogate Key	NUMBER(10)	SurrogateKey_Long	Yes	No	Non-Identifying	DIM_DATES	N_DATE_SKEY	This column stores the reporting display code for the party role ranking for Type of Counterparty attribute as per the AnaCredit regulation. Regulatory Party Role Ranking Order Column is used for calculating the

Column Change Type	Physical Table Name	Column Name	Logical Name	Data Type	Domain	Null Allowed?	PK	FK	Reference Table Name	Reference Column Name	Column Comments
											highest party role as per the AnaCredit regulation whereas this column is used for reporting purpose only. Indicative List of values are 1, 2, 3, and so on.
Add Column	FCT_REG_ANAC_CNTRPRTY_DEF_DS	N_DEFAULT_STATUS_DATE_SKEY	Default Status Date Surrogate Key	NUMBER(10)	SurrogateKey_Long	YES	NO	Non-Identifying	DIM_DATES	N_DATE_SKEY	This column stores the surrogate key for date on which the default status of the party has changed. For example: the date on which the status has changed from Default to Not in Default.

- **T2T_FCT_PARY_DETAILS** must be enhanced for Source Column STG_PARTY_DETAILS.D_DEFAULT_STATUS_DATE to Target Column FCT_PARTY_DETAILS. N_DEFAULT_STATUS_DATE_SKEY.

- Ensure that you have executed .profile file before you trigger the installation.

- Ensure that the FICServer is up and running before you trigger the installation. For information on restarting the services, see *Oracle Financial Services Analytical Applications Infrastructure Release 8.0.2.0.0 Installation and Configuration Guide* (OHC Documentation Library) for more information.

3.3 Applying this Maintenance Level Release

To apply this maintenance release, follow the steps in Installing OFS REG REP EBA 8.0.7.2.0 ML and Post-installation Steps sequentially.

3.3.1 Installing OFS REG REP EBA 8.0.7.2.0 ML

Perform the following instructions to download, extract and install this ML patch:

1. Download the `OFS_REG_REP_EBA_8.0.7.2.0_GENERIC.zip` archive file from https://support.oracle.com/ for patch **29807934** under the Patches & Updates tab.

2. Copy the archive file to your OFSAA server in **Binary** mode.

3. Shut down all the OFSAA Services. For more information, refer to the Start/Stop Infrastructure Services section in Oracle Financial Services Advanced Analytical Applications Infrastructure Pack Installation Guide – Release 8.0.2.0.0.

   > **NOTE**   Ensure that the **FICSERVER** is up and running.

4. Execute `chmod –R 750 $FIC_HOME`

5. If you have an Unzip utility, skip to the next step.

   Download the Unzip utility (OS specific) `unzip_<os>.Z` from the location https://updates.oracle.com/unzips/unzips.html and copy it in **Binary** mode to the directory that is included in your PATH variable, typically **$HOME** path or directory in which you have copied the 8.0.7.2.0 ML.

   Uncompress the unzip installer file using the command:

   `uncompress unzip_<os>.Z`

   > **NOTE**   If you notice an error message "uncompress: not found [No such file or directory]", contact your UNIX administrator.

6. Execute `chmod 751 OFS_REG_REP_EBA_8.0.7.2.0_GENERIC.zip`

7. Execute `unzip -a <name of the file to be unzipped>`

   For example: `unzip -a OFS_REG_REP_EBA_8.0.7.2.0_GENERIC.zip`

8. Configure `UPLOAD_MODEL` parameter in the `param.conf` file present under the `OFS_REG_REP_EBA/conf` directory to determine if Model Upload is required or not:

   0 = If you have already performed Model Upload and want to skip Model Upload process
   1 = If you want to perform Model Upload

9. Navigate to `OFS_REG_REP_EBA/bin` directory and execute `./install.sh`

10. The installation progress can be viewed by periodically refreshing the log file under the `OFS_REG_REP_EBA/logs` directory.

11. After installation is completed, verify the log file for any Errors or Warnings. Contact My Oracle Support in case of any issues.

    > **NOTE**   This patch installation has taken approximately 20 minutes to complete in Oracle Labs.

3.3.2   Post-installation Steps

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. 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*.

4. 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*.

The Oracle Financial Services Regulatory Reporting for European Banking Authority is now ready for use.

4   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_80720.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 Full Path>
   ```

   For example:

   ```
   ./config.sh –a /scratch/kit/80720/OFS_REG_REP_EBA/Config_Package/
   OFSAA_REG_REP_EBA_80720.zip
   ```

   c. Activate the configuration with the following command:

   ```
   ./config.sh -t OFSAA_REG_REP_EBA_80710 -iv 8.0.7.1.0
   ```

   d. Update the Alias with the following command:

   ```
   ./config.sh -ea OFSAA_REG_REP_EBA_80710 -iv 8.0.7.1.0 –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_80720.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 <Ana_Config_Package Full Path>
   ```

   For example:

   ```
   ./config.sh –a
   /scratch/kit/80720/OFS_REG_REP_EBA/Ana_Config_Package/
   OFSAA_REG_REP_ECB_80720.zip
   ```

   c. Activate the configuration with the following command:

   ```
   ./config.sh -t OFSAA_REG_REP_ECB_80710 -iv 8.0.7.1.0
   ```

   d. Update the Alias with the following command:

   ```
   ./config.sh -ea OFSAA_REG_REP_ECB_80710 -iv 8.0.7.1.0 –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 [My Oracle Support](#).

OFSAAI Support Contact Details

- Contact Infrastructure support at https://flexsupp.oracle.com if you have installed ERM and FCCM applications.

- Raise an SR in https://support.oracle.com if you have any queries related to EPM applications.

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- Did you find any errors?

- Is the information clearly presented?

- Do you need more information? If so, where?

- Are the examples correct? Do you need more examples?

- What features did you like most about this manual?

If you find any errors or have any other suggestions for improvement, indicate the title and part number of the documentation along with the chapter/section/page number (if available) and contact the Oracle Support.

Before sending us your comments, you might like to ensure that you have the latest version of the document wherein any of your concerns have already been addressed. You can access My Oracle Support site which has all the revised/recently released documents.