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

Installation Guide

Release 8.1.1.0.0

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OFS Reporting for Reserve Bank of India - Lombard Risk Integration Pack Installation Guide

Document Control

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04	May 04, 2022	Updated: Prerequisites for an Upgrade Installation section and Upgrading from 8.0.8.0.2 to 8.1.1.0.0 section.
03	December 21, 2021	Updated: Post-installation Steps section for Apache Log4j Issue.
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Table of Contents

1   Preface

Oracle Financial Services Regulatory Reporting for Reserve Bank of India (OFS REG REP RBI) enables the customers to enable the banks to comply with RBI 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.

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 8.1.1.0.0.

This chapter discusses the following topics:

- Audience

- Scope

- Prerequisites for the Audience

- How this Guide is Organized

- Access to Oracle Support

- Related Documents

- Conventions and Acronyms

1.1   Audience

This document is meant for Oracle Financial Services Regulatory Reporting for Reserve Bank of India System Administrator. It provides step-by-step instructions necessary for installing the OFS REG REP RBI application components.

1.2   Scope

This document provides a stepwise instruction to install Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack (OFS REG REP RBI).

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 or Web Application Server is recommended.

1.4   How this Guide is Organized

The Installation Manual is organized into the following chapters:

- **Prerequisites** 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.

- **Preparing for Installation** section details the steps to be followed during the installation and post-installation.

- **Deploying Package** section details the steps to deploy config after successful installation of Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack.

1.5   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.

1.6   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 OHC Documentation Library:

- Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack (OFS REG REP RBI) User Guide Release 8.1.1.0.0

- Oracle Financial Services Data Foundation Installation Manual Release 8.1.1.0.0

- Oracle Financial Services Analytical Applications Infrastructure Installation Manual Release 8.1.1.0.0

- Oracle Financial Services Analytical Applications Infrastructure Environment Check Utility Guide

1.7   Conventions and Acronyms

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

Table 1: Conventions Used in this Guide

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**. Code related text is indicated in `Monospace`.	

Conventions	Description
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 RBI	Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack (OFS REG REP RBI).

2 Hardware or 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 Reserve Bank of India – Lombard Risk Integration Pack (OFS REG REP RBI) application has qualified.

See the OFS Analytical Applications 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 RBI Application v8.1.1.0.0. This chapter includes the following topics:

- Download the OFS REG REP RBI Application Pack
- Prerequisites for a New Installation
- Prerequisites for an Upgrade Installation
- Installing OFS REG REP RBI 8.1.1.0.0 Release
- Upgrading from 8.0.8.0.2 to OFS REG REP RBI 8.1.1.0.0 Release
- Post-installation Steps
- Seeded Data Changes

3.1 Download the OFS REG REP RBI Application Pack Installer

To download the OFS REG REP RBI Application Pack installer Release v8.1.1.0.0, follow these steps:

1. Log in to the Oracle Software Delivery Cloud with a valid Oracle account.

Figure 1: Oracle Software Delivery Cloud Login Page
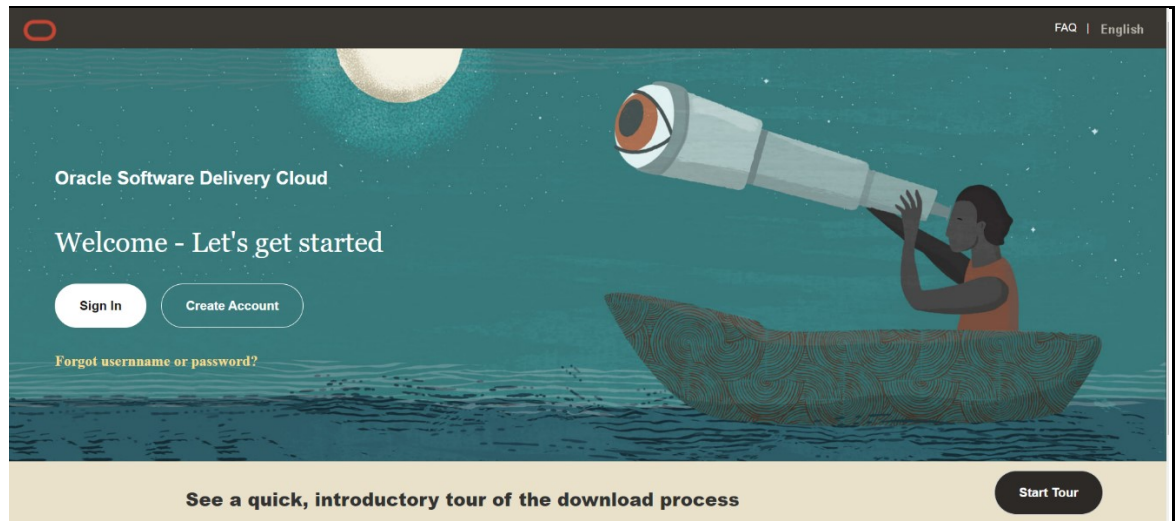
2. Search for the full product name **Oracle Financial Services Regulatory Reporting for Reserve Bank of India – Lombard Risk Integration Pack** and download the installer archive.

Figure 2: Oracle Software Delivery Cloud Page
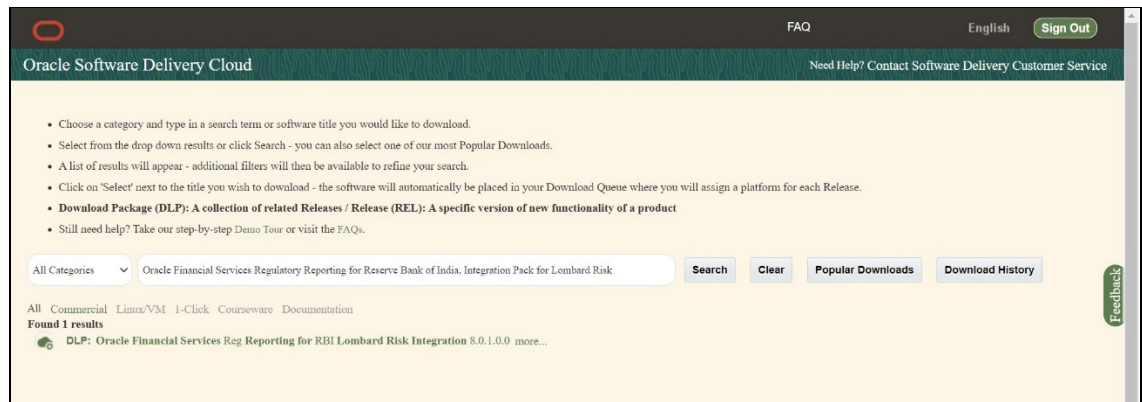
3. Copy the installer archive into the download directory (in Binary mode) in the setup identified for the OFS REG REP RBI Application Pack installation.

3.2   Prerequisites for a New Installation

The prerequisites to install a fresh OFS REG REP RBI application are as follows:

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) v8.1.0.0.0 and other prerequisite OFSAAI patches (see *Section 4 Pre-installation* of OFS AAI Installation and Configuration Guide) needs to be installed and configured on your machine.

- Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) 8.1.1.0.0 (patch **31574757**) and other prerequisite OFSAAI patches (see *Section 4 Pre-Installation* of OFSAAI Installation Guide) needs to be installed and configured on your machine.

- Apply the OFS AAI patch ID **32548944** in case of Pack-on-Pack v8.1.1.0.0 installation.

- Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.0.0.0 and other prerequisite OFSDF patches (see *Section 4.1 Pre-installation Checklist* of the OFSDF Installation and Configuration Guide) needs to be installed and configured on your machine.

- Oracle Financial Services Data Foundation (OFSDF) 8.1.1.0.0 (patch **32257272**) and other prerequisite OFSDF patches (see **Section 4.1 Pre-installation Checklist** of OFSDF Installation and Configuration Guide) needs to be installed and configured on your machine.

- AgileREPORTER version **21.1.2-b213**.

- AgileREPORTER RBI Template package (**AgileREPORTER_RBI_Package_v1.25.0.1**).

- 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 the *Oracle Financial Services Analytical Applications Infrastructure Release 8.0.2.0.0 Installation and Configuration Guide*.

3.3 Prerequisites for an Upgrade Installation

The prerequisites to upgrade the OFS REG REP RBI application from 8.0.8.0.2 to 8.1.1.0.0 are as follows:

- Oracle Financial Services Regulatory Reporting for Reserve Bank of India-Lombard Risk Integration Pack Release 8.0.8.0.2 patch (**31768031**) needs to be installed and configured on your machine.

- Install and Configure Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) v8.1.1.0.0 (patch **31574757**) and other prerequisite OFSAAI patches (see *Section 4 Pre-installation* of OFS AAI Installation and Configuration Guide) on your machine.

- Install and Configure Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.1.0.0 (patch **32257272)** and other prerequisite OFSDF patches (see *Section 4.1 Pre-installation Checklist* of the OFSDF Installation and Configuration Guide) on your machine.

NOTE	If the environment is set up with Oracle Database Release 19c, please ensure that the respective OFSAAI patches are applied before upgrading or applying any of the OFSDF and OFS REG REP RBI patches.

NOTE	To configure the Oracle Database 19c Server and Client on a new installation of OFSAA 8.0.x, see MOS Doc ID**: 2691006.1**.
	To configure the Oracle Database Release 19c Server and Client on OFSAA applications 8.0.x running Oracle Database Release 12c Server and Client**,** see MOS ID: **2699715.1**

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

3.4 Installing OFS REG REP RBI 8.1.1.0.0 Release

Perform the following steps to download, extract and install this release:

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

2. 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.

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

3. Execute `chmod -R 750 $FIC_HOME`

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

5. 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 8.1.1.0.0 patch.

6. Uncompress the unzip installer file using the command:

7. `uncompress unzip_<os>.Z`

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

8. Execute `chmod 751 OFS_REG_REP_RBI_8.1.1.0.0_GENERIC.zip`

9. Execute `unzip <name of the file to be unzipped>`

10. For example, `unzip OFS_REG_REP_RBI_8.1.1.0.0_GENERIC.zip`

11. Navigate to installer directory OFS_REG_REP_RBI/conf containing the template file `Silent.template`.

12. Create a copy of this file and rename the copy as `Silent.props`.

13. Edit the Silent.props file and specify the parameters as per the requirements.

    The following table lists all the properties that must be specified.

    Table 2: List of Parameters in Silent.props

Property Name	Description of Property	Permissible Values	Comments
LOG_MODE	Mode for logging	1 = Debug 0 = General	OPTIONAL. Default is 0.
INFODOM_NAME	Specify the name of Information Domain (Infodom) into which you wish to install	For example: FSDF809INF	MANDATORY. Specify Infodom Name Value where FSDF Application is installed.
APPFTP_LOG_PATH	Specify the Infodom App	For example:	MANDATORY. Path value must be same as the path, which was given during FSDF installation.

Property Name	Description of Property	Permissible Values	Comments
	Maintenance log path	/scratch/ofsaadb/ftpshare/FSDF809INF/logs	
DBFTP_LOG_PATH	Specify the Infodom DB Maintenance log path	For example: /scratch/ofsaadb/ftpshare/FSDF809INF/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 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: RBIPROC	MANDATORY
ETL_SRC_1_DESC	Specify the description for the ETL Source	For example: RBIDESC	MANDATORY WHEN ETL_APPSRC_TYPE = 0

14. Execute the user `.profile` file

15. Navigate to `OFS_REG_REP_RBI/bin` directory and execute `./setup.sh SILENT`

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

17. 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 21 minutes to complete in Oracle Labs.

3.5 Upgrading from 8.0.8.0.2 to 8.1.1.0.0

Perform the following instructions to upgrade from OFS REG REP RBI 8.0.8.0.2 to 8.1.1.0.0 release:

1. Download the Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) v8.1.1.0.0 (patch **31574757**) and install it in your existing environment.
For more information, see OFS AAI Installation and Configuration Guide.

2. Download the OFS Data Foundation Upgrade Utility and execute it in your environment.
   For more information, see [OFS FSDF Installation and Configuration Guide](#).

3. After replacing ##INFODOM## with FSDF INFODOM name, execute the
   [PRE_SCRIPT_METADATA_FOR_FSDF_81100_RBI.sql](#) file in the Config Schema.

4. Update cache size of Metadata Objects under DynamicServices.xml under $FIC_HOME/conf
   with required values according to metadata in the system.
   For example, is the default
   value. This should be increased to a larger value if there are a greater number of datasets
   present in the system than the default value.

   Say you have 5000 datasets, then you can update it toassuming 1000 more may get created

5. Ensure to restart all the OFSAA services after updating the DynamicServices.xml.

6. Download the Oracle Financial Services Data Foundation (OFSDF) Application Pack Release
   v8.1.1.0.0 patch (**32257272**) and install it in your existing environment.
   For more information, see the [OFS FSDF Installation Guide](#).

7. Download and install the OFS REG REP RBI v8.1.1.0.0 in your existing environment as mentioned
   in the [section 3.4](#).

3.6 Post-installation Steps

The post-installation steps required for this release are as follows:

- 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.

- See the log file in the `/OFS_REG_REP_RBI/logs` directory to ensure that there are no errors
  reported.

- Generate the application EAR or WAR file and redeploy the application on the configured Web
  Application Server.
  For more information on generating and deploying the EAR or WAR file, see the *Post
  Installation Configuration* section in the [OFS Advanced Analytical Applications Infrastructure
  Pack Installation Guide](#).

- Execute the following scripts in the atomic schema:

  — [Atomic_Schema_Post_Script.sql](#)

  — [FiscalMonthEndDate.sql](#)

> **NOTE** It is mandatory to execute the FiscalMonthEndDate script after every DIM_DATES Batch execution.

- Replace the placeholder ##INFODOM## with the Infodom name, for example, 'FSDFINFO' and replace the placeholder ##IPADDRESS## with the App server IP ADDRESS, for example, '10.40.160.167' and execute the Config_Schema_Post_Script.sql script in the config schema.

- Restart all the OFSAA services.
  For more information, see the *Starting Infrastructure Services* section in the OFS Advanced Analytical Applications Infrastructure Pack Installation Guide.

- Perform the additional configurations if required as mentioned under the Additional Configurations section in OFS AAAI Release 8.0.5.0.0 Installation and Configuration 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 My Oracle Support.

3.7 Seeded Data Changes

Perform the following steps to correct the duplicate entries in DIM_STANDARD_PRODUCT_TYPE seeded table:

- Execute the backup script to perform backup of existing data.

- Execute the change script to update the DIM_STANDARD_PRODUCT_TYPE seeded table.

OFSAA Support

Raise a Service Request (SR) in My Oracle Support (MOS) for queries related to the OFSAA applications.

Send Us Your Comments

Oracle welcomes your comments and suggestions on the quality and usefulness of this publication. Your input is an important part of the information used for revision.

- 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 that has all the revised/recently released documents.