

**Oracle Financial Services Regulatory
Reporting for European Banking
Authority (OFS AGILE RP EBA)**

Installation Guide

Release 8.1.0.0.0

December 2021

ORACLE
Financial Services

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are “commercial computer software” pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

For information on third party licenses, click [here](#).

Document Control

Version Number	Revision Date	Change Log
07	December 22, 2021	Updated: Post-installation Steps section for Apache Log4j Issue.
06	February 15, 2021	Updated: Added a note on upgrade scenario
05	February 9, 2021	Updated: Added a section Pre-installation Steps and updated Post-Installation Steps section
04	September 11, 2020	Updated: Added a note on upgrade scenario
03	July 28, 2020	Updated: Prerequisites for Installation section
02	July 16, 2020	Updated: Final version published
01	May 20, 2020	Created: Draft published

Table of Contents

1	Preface	5
1.1	Audience	5
1.2	Scope.....	5
1.3	Prerequisites for the Audience	5
1.4	How this Guide is Organized	6
1.5	Access to Oracle Support	6
1.6	Related Documents	6
1.7	Conventions and Acronyms	6
2	Hardware and Software Requirements and Specifications	8
3	Preparing for Installation	8
3.1	Download the OFS AGILE RP EBA Application Pack Installer	8
3.2	Prerequisites for Installation	9
3.3	Pre-installation Steps	9
3.4	Installing OFS AGILE RP EBA 8.1.0.0.0 Release	9
3.5	Post-installation Steps	12
4	Deploying Config Package	14
5	Deploying Template Package	15

1 Preface

Oracle Financial Services Regulatory Reporting for the European Banking Authority (OFS AGILE RP 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 centralized data storage for risk data through relevant subject areas of the Financial Services Data Foundation (FSDF).
- Interfacing with a Regulatory Reporting tool – OFS AgileREPORTER to build necessary template reports to meet the regulatory expectations.
- Managing the 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 AGILE RP EBA) Release 8.1.0.0.0.

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 European Banking Authority System Administrator. It provides step-by-step instructions necessary for installing the OFS AGILE RP EBA application components.

1.2 Scope

This document provides a step-wise instruction to install Oracle Financial Services Regulatory Reporting for European Banking Authority (OFS AGILE RP EBA).

1.3 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 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 the European Banking Authority.
- **Preparing for the Installation** section details the steps to be followed during the installation and post-installation.
- **Deploying Package** section details the steps to deploy config and template packages after the successful installation of Oracle Financial Services Regulatory Reporting for European Banking Authority.

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> if you are hearing impaired.

1.6 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:

- *OFS Regulatory Reporting for European Banking Authority (OFS AGILE RP) User Guide Release 8.1.0.0.0*
- *OFS Data Foundation Installation Manual Release 8.1.0.0.0*
- *OFS AgileREPORTER Installation Manual Release 8.0.9.1.0*
- *OFS Analytical Applications Infrastructure Environment Check Utility Guide* (present in this [OHC](#) Documentation Library)

1.7 Conventions and Acronyms

The following conventions and acronyms are used in this document.

Table 1: Conventions and Descriptions

Conventions	Description
	References to sections or chapters in the manual are indicated in <i>Italics</i> .
	Screen names are indicated in the following manner: Introduction screen
	Options and buttons are indicated 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 AGILE RP EBA	Oracle Financial Services Regulatory Reporting for European Banking Authority (OFS AGILE RP 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 (OFS AGILE RP EBA) 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 the necessary information to review before installing the OFS AGILE RP EBA Application v8.1.0.0.0.

Topics:

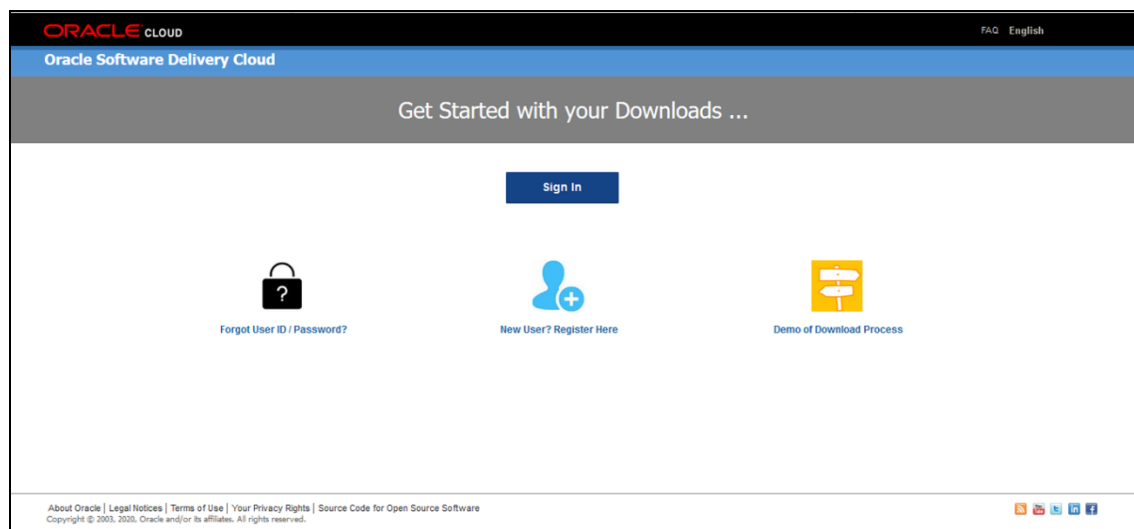
- [Download the OFS AGILE RP EBA Application Pack Installer](#)
- [Prerequisites for Installation](#)
- [Installing OFS AGILE RP EBA 8.1.0.0.0 Release](#)
- [Post-installation Steps](#)

3.1 Download the OFS AGILE RP EBA Application Pack Installer

To download the OFS AGILE RP EBA Application Pack installer Release v8.1.0.0.0, follow these steps:

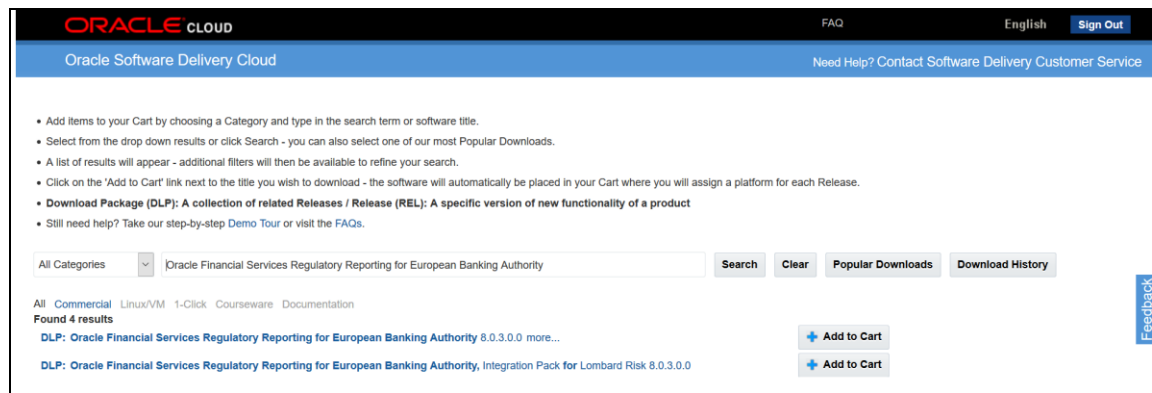
1. Log in to the [Oracle Software Delivery Cloud](#) with a valid Oracle account.

Figure 1: Oracle Software Delivery Cloud Login Page



2. Search for the full product name **Oracle Financial Services Regulatory Reporting for European Banking Authority** 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 AGILE RP EBA Application Pack installation.

3.2 Prerequisites for Installation

The following are the prerequisites to install the OFS AGILE RP EBA application:

- Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.0.0.0 plus other prerequisite OFSDF patches (see [Section 4.1 Pre-installation Checklist of the OFSDF Application Pack Installation and Configuration Guide Release v8.1.0.0.0](#) in the [OHC Documentation Library](#)) must be installed and configured on your machine.
- Oracle Financial Services Data Foundation (OFSDF) Application Pack Release v8.1.0.0.1 (patch **31544548**) must be applied.
- (Only for the upgrade) Oracle Financial Services Regulatory Reporting for European Banking Authority Release v8.0.6.1.0 or later.
- Oracle Financial Services AgileREPORTER Application 8.0.9.1.0 (patch **31443342**).
- Ensure that you have executed the `.profile` file before you trigger the installation.

3.3 Pre-installation Steps

If there is any other RRS application that is already installed in the existing environment, execute the following command to back up the `FSI_M_CELL_DETAILS` entries for the existing RRS application:

```
CREATE TABLE FSI_M_CELL_DETAILS_BKP AS SELECT *FROM FSI_M_CELL_DETAILS WHERE
V_JURISDICTION_CD NOT IN ('EBA','ECB') AND N_VERSION_NO=0
/
```

3.4 Installing OFS AGILE RP EBA 8.1.0.0.0 Release

Perform the following instructions to copy, 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, see the *Stopping Infrastructure Services* section in [OFS Advanced Analytical Applications Infrastructure Pack Installation Guide](#).
3. Execute `chmod -R 750 $FIC_HOME`
4. 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 8.1.0.0.0 patch.

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.

5. Execute `chmod 751 OFS_AGILE_RP_EBA_8.1.0.0.0_GENERIC.zip`
6. Execute `unzip <name of the file to be unzipped>`
For example: `unzip OFS_AGILE_RP_EBA_8.1.0.0.0_GENERIC.zip`
7. Navigate to the `appsLibConfig/conf` directory containing the `Silent.template` file.
8. Create a copy of this file and rename the copy as `Silent.props`.
9. 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 Properties and Parameters for the Silent.props File

Property Name	Description of Property	Permissible Values	Comments
LOG_MODE	Mode for logging.	1 = Debug 0 = General	OPTIONAL. The 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 the FSDF Application is installed.
APPFTP_LOG_PATH	Specify the Infodom App Maintenance log path.	For example: /scratch/ofsaadb/ftpshare/ FSDF809INF/logs	MANDATORY. Path value must be the same as the path which was given during the FSDF installation.
DBFTP_LOG_PATH	Specify the Infodom DB Maintenance log path.	For example: /scratch/ofsaadb/ftpshare/ FSDF809INF/logs	MANDATORY. Path value must be the same as the path which was given during the FSDF installation.

Property Name	Description of Property	Permissible Values	Comments
SEGMENT_1_CODE	Specify the European Banking Authority Segment Code.	For example: EBASEG	MANDATORY.
ETL_APPSRC_TYPE	Specify if you want to create a new ETL App or 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. The 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.
ENABLE_CONCURRENCY	Specify if you want to Enable Parallel Processing.	0 = No 1 = Yes	OPTIONAL
CONCURRENCY_LEVEL	Specify if you want to Enable Parallel Processing.	For example: CONCURRENCY_LEVEL=10, which means 10 threads created for parallelism	MANDATORY when ENABLE_CONCURRENCY=1.

10. Execute the user `.profile` file.
11. Navigate to the `OFS_AGILE_RP_EBA/bin` directory and execute `./setup.sh SILENT`
12. The installation progress can be viewed by periodically refreshing the log file under the `OFS_AGILE_RP_EBA/logs` directory.
13. 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 10 minutes to complete in Oracle Labs.

NOTE You can ignore the following error only in the Solaris OS during the installation.

```
[ERROR] **** FICDB LIBRARIES WILL NOT BE
DEPLOYED AS DEFAULT COMBINATION
solaris11/oracle19.0 IS NOT AVAILABLE IN
KIT ****
```

NOTE

Follow the above installation procedure to upgrade from AGILE RP EBA 8.0.x to AGILE RP EBA 8.1. by specifying the properties and parameters in the `Silent.props` file appropriately.

If you are upgrading from v8.0.6.1.0 to v8.1.0.0.0, see the My Oracle Support Doc ID [2735014.1](#), for details on WF Table SQL Exception.

3.5 Post-installation Steps

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

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. See the log file in the `/OFS_AGILE_RP_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 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](#).
4. Restart all the OFSAA services.
For more information, see the *Starting Infrastructure Services* section in the [OFS Advanced Analytical Applications Infrastructure Pack Installation Guide](#).
5. In case of an integrated environment where BASEL or LRS APPs are present and the corresponding FSDF integration processes have been enabled/created, then execute the `OFS_AGILE_RP_EBA/bin/scripts/config/insert/Enable_Basel_LRM_Run_Parameter_EBA.sql` script in the CONFIG schema to enable the required run parameters for an integrated REG run.
6. If the pre-installation command related to the back up of `FSI_M_CELL_DETAILS` has been executed, execute the following commands to restore the FSI information:

```
INSERT INTO FSI_M_CELL_DETAILS SELECT *FROM FSI_M_CELL_DETAILS_BKP
/
COMMIT
/
```

If FSI M CELL DETAILS restoration is successful, then drop the below table

```
DROP TABLE FSI_M_CELL_DETAILS_BKP  
/
```

The Oracle Financial Services Regulatory Reporting for the 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_8.1.0.zip bundled inside the Config_Package folder of the installer:
 - a. Navigate to the <LombardAgileREPORTER>/bin directory 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/810/OFS_AGILE_RP_EBA/Config_Package/OFSAA_REG_REP_EBA_8.1.0.zip
```
 - c. Activate the configuration with the following command:


```
./config.sh -t OFSAA_REG_REP_EBA -iv 8.1.0.0.0
```
 - d. Update the Alias with the following command:


```
./config.sh -ea OFSAA_REG_REP_EBA -iv 8.1.0.0.0 -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_8.1.0.zip bundled inside the Ana_Config_Package folder of installer:
 - a. Navigate to the <LombardAgileREPORTER>/bin directory 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/810/OFS_AGILE_RP_EBA/Ana_Config_Package/OFSAA_REG_REP_ECB_8.1.0.zip
```
 - c. Activate the configuration with the following command:


```
./config.sh -t OFSAA_REG_REP_ECB -iv 8.1.0.0.0
```
 - d. Update the Alias with the following command:


```
./config.sh -ea OFSAA_REG_REP_ECB -iv 8.1.0.0.0 -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 the same data source as **OFSAA EBA DATA SOURCE** in the `manifest.xml` file.

If you encounter any problems during deployment, contact [My Oracle Support](#).

5 Deploying Template Package

This section describes the steps to deploy the template package:

1. To deploy the product configuration on AgileREPORTER using the package `ECR_v1.35.5-b27_sign.lrm` bundled inside the `Template_Package` directory of the installer:
 - a. Navigate to the `<AgileREPORTER>/bin` directory under the installed directory.
 - b. Add a new configuration with the following command:

```
./config.sh -p -a <Template_Package Full Path>/<.lrm file>
```

For example:

```
./config.sh -p -a <Template_Package Full Path>/  
ECR_v1.35.5-b27_sign.lrm
```
2. To deploy the product configuration on AgileREPORTER using the package `AR_ANACREDIT_Package_v1_3_3_1.lrm` bundled inside the `Template_Package` directory of the installer:
 - a. Navigate to the `<AgileREPORTER>/bin` directory under the installed directory
 - b. Add a new configuration with the following command:

```
./config.sh -p -a <Template_Package Full Path>/<.lrm file>
```

For example:

```
./config.sh -p -a <Template_Package Full Path>/  
AR_ANACREDIT_Package_v1_3_3_1.lrm
```

If you encounter any problems during deployment, contact [My Oracle Support](#).

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.

