

**Oracle Financial Services Regulatory
Reporting for Office of Superintendent
of Financial Institutes Canada (OFS
REG REP OSFI)**

Installation Guide

Release 8.1.1.0.0

January 2022

ORACLE
Financial Services

OFS Regulatory Reporting for Office of Superintendent of Financial Institutes Canada (OFS REG REP OSFI) Installation Guide

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Document Control

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1 Preface

The Office of the Superintendent of Financial Institutions (OSFI) is an independent agency of the Government of Canada, established in 1987 to contribute to the safety and soundness of the Canadian financial system. OSFI supervises and regulates federally registered banks and insurers, trust and loan companies, as well as private pension plans subject to federal oversight. It provides a regulatory framework of guidance and rules that meets or exceeds international minimums for financial institutions.

In addition to issuing guidance, OSFI provides input into the development of federal legislation and regulations affecting federally regulated financial institutions (FRFIs), and comments on accounting, auditing, and actuarial standards development, and determines how to incorporate them into our regulatory framework. It regulates by developing rules, interpreting legislation and regulations, and providing regulatory approvals types of transactions. It also contributes to new accounting, auditing, and actuarial standards.

OSFI supervises by analyzing financial and economic trends to identify emerging issues that could adversely affect institutions. It assesses an institution's financial condition, material risks, and the quality of its governance, risk management, and compliance. It reports to Parliament through the Minister of Finance on various formal and informal processes that are used to ensure the effective execution of OSFI's mandate. For example, the Financial Institutions Supervisory Committee, whose members are OSFI, the Department of Finance, the Bank of Canada, the Canada Deposit Insurance Corporation, and the Financial Consumer Agency of Canada, meets at least quarterly to share information on matters relating to the supervision of federally regulated financial institutions.

OSFI also works with the Financial Transactions and Reports Analysis Centre of Canada (FINTRAC), which is responsible for ensuring compliance with Canada's Proceeds of Crime (money laundering) and Terrorist Financing Act.

This document provides step-by-step instructions to install the Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutes, Canada (OFS REG REP OSFI) Release 8.1.1.0.0.

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 Office of Superintendent of Financial Institutes, Canada (OFS REG REP OSFI) Authority System Administrator. It

provides step-by-step instructions necessary for installing the OFS REG REP OSFI application components.

1.2 Scope

This document provides a stepwise instruction to install Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutes, Canada (OFS REG REP OSFI).

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 Office of Superintendent of Financial Institutes, Canada (OFS REG REP OSFI).

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 Office of Superintendent of Financial Institutes, Canada (OFS REG REP OSFI). You can access Oracle documentation online from [OHC](#) Documentation Library:

- *OFS Regulatory Reporting for Office of Superintendent of Financial Institutes, Canada (OFS REG REP OSFI) User Guide Release 8.1.1.0.0*
- *OFS Analytical Applications Infrastructure Installation Guide 8.1.1.0.0*
- *OFS Data Foundation Installation Manual Release 8.1.1.0*
- *OFS AgileREPORTER Installation Manual Release 8.0.9.6.1*

- *OFS Analytical Applications Infrastructure Environment Check Utility*

1.7 Conventions and Acronyms

The following conventions and acronyms are used in this document.

Table 1: Conventions and Descriptions

Conventions	Description
<p>References to sections or chapters in the manual are indicated in <i>Italics</i>.</p> <p>Screen names are indicated in the following manner: Introduction Screen</p> <p>Options and buttons are indicated in Bold.</p> <p>Code related text is indicated in <code>Monospace</code>.</p>	
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 OSFI	Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutes Canada (OFS REG REP OSFI)

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 Office of Superintendent of Financial Institutes, Canada (OFS REG REP OSFI) 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 REG REP OSFI Canada Application v8.1.1.0.0.

Topics:

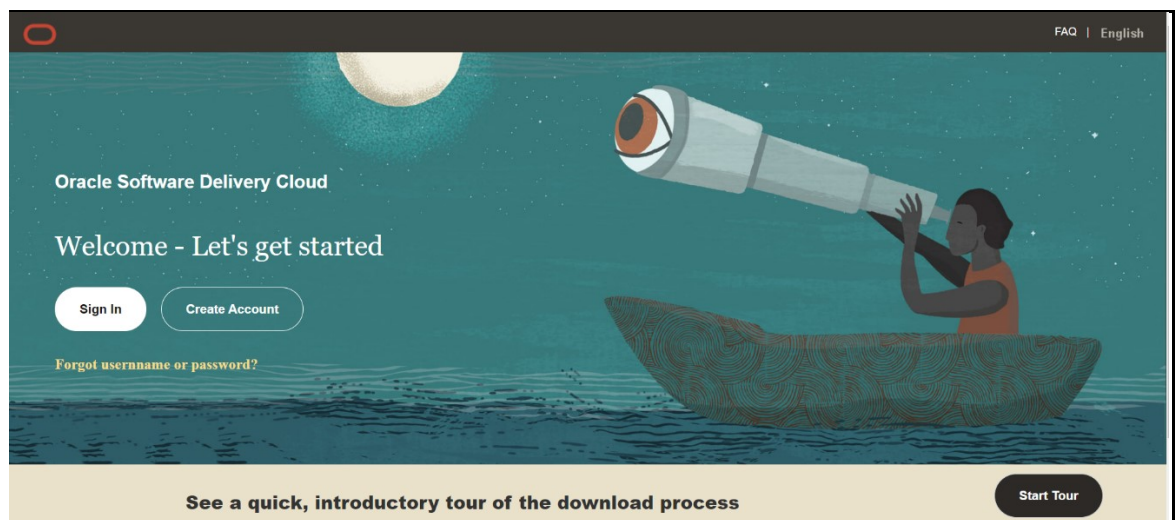
- [Download the OFS REG REP OSFI Application Pack Installer](#)
- [Prerequisites for Installation](#)
- [Installing OFS REG REP OSFI 8.1.1.0.0 Release](#)
- [Post-installation Steps](#)

3.1 Download the OFS REG REP OSFI Application Pack Installer

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

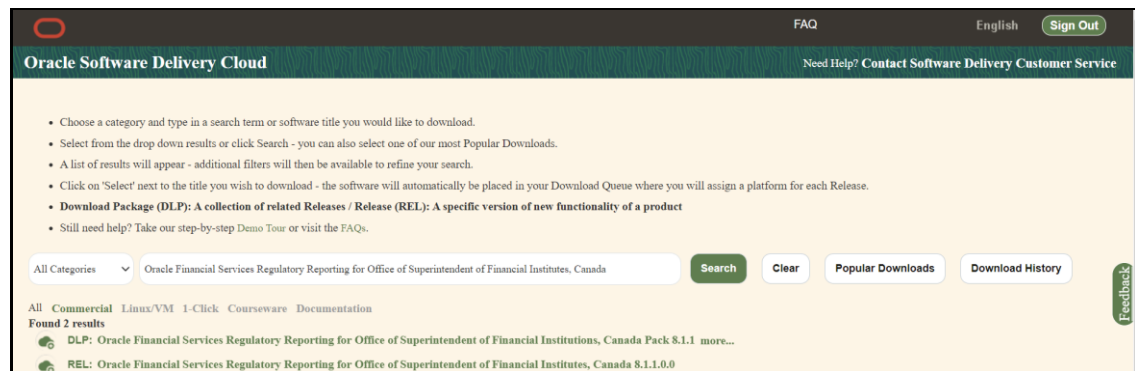
1. Log in to the [Oracle Software Delivery Cloud](#) with a valid Oracle account.

Figure 1: Oracle Software Delivery Cloud Login Page



2. Search for the full product name **Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutes, Canada** 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 OSFI** Application Pack installation.

3.2 Prerequisites for Installation

The following are the prerequisites to install the OFS REG REP OSFI Canada Application:

- 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.
- Apply the OFSAAI Patch ID **32548944** in case of Pack-on-Pack v8.1.1.0.0 installation.
- Oracle Financial Services Data Foundation (OFSDf) Application Pack Release v8.1.1.1.0 plus (**32677985**) other prerequisite OFSDf Patches (see *Section 4.1 Pre-installation Checklist* of the [OFSDf Application Pack Installation and Configuration Guide](#) in the [OHC](#) Documentation Library) must be installed and configured on your machine.
- Apply the Financial Services Data Foundation (OFSDf) Application v8.1.1.1.1 One-off patch (**33040060**) on your machine.
- Oracle Financial Services AgileREPORTER Application 8.0.9.6.1 (patch **32724114**).
- AgileREPORTER version **21.1.2-b213**
- AgileREPORTER Templates version **OSFI2_v1.1.0-b83**
- Ensure that you have executed the `.profile` file before you trigger the installation.

3.3 Installing OFS REG REP OSFI Canada 8.1.1.0.0 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 8.1.1.0.0 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 `unzip <name of the file to be unzipped>`
For example: `unzip OFS_RROSFI_8.1.1.0.0_GENERIC.zip`
6. Execute `chmod 751 OFS_RROSFI`
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.
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	0 = If you want to create a new ETL Source	MANDATORY. The default is 0.

Property Name	Description of Property	Permissible Values	Comments
	Src pair or use an existing one.	1 = If you want to use an existing Source	
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_RROSFI/bin` directory and execute `./setup.sh SILENT`
12. The installation progress can be viewed by periodically refreshing the log file under the `OFS_RROSFI/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.

3.4 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 prior to 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_RROSFI/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. Unzip the [Post Install Scripts.zip](#) file.
6. Execute the following scripts in the atomic schema:
 - VW_FSI_REG_REPORT_CELL_VAULE.SQL
 - UPDATE_FSI_REPLINE_QUERY_CLAUSE.SQL
 - FSI_M_CELL_DETAILS_N3_E2.sql
 - FSI_M_DASHBOARD_N3_E2.sql
 - FSI_M_DASHBOARD_REPORT_N3_E2.sql
7. If FSDF 8.1.2.0.0 is not installed in your environment, execute the following scripts in the atomic schema:
 - DIM_ACCOUNT_TYPE.sql
 - DIM_BANDS_OSFI_CREDIT_SCORE_STD_EOP_BAL_BAND.sql
 - DIM_BANDS_OSFI_REG_AMORT_TERM.sql
 - DIM_BANDS_OSFI_REG_DSR_BAND_STD_CREDIT_SCORE.sql
 - DIM_BANDS_OSFI_REG_EOP_BAL_STD_LTV_BAND.sql
 - DIM_BANDS_OSFI_REG_LTV_BAND_STD_AMORT_TERM_BAND.sql
 - DIM_BANDS_STD_DSR_BAND.sql
 - DIM_PARTY_ROLE.sql
 - DIM_STD_MITIGANT_TYPE.sql
 - DIM_TRS_REG_PARTY_TYPE.sql
8. Execute the [Update_cell_id.sql](#) script in the atomic schema.

The Oracle Financial Services Regulatory Reporting for Office of Superintendent of Financial Institutes Canada 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_OSFI_81100.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_REG_REP_OSFI/Config_Package/OFSAA_REG_REP_OSFI_81100.zip
```
 - c. Activate the configuration with the following command:

```
./config.sh -t OFSAA_REG_REP_OSFI -iv 8.1.1.0.0
```
 - d. Update the Alias with the following command:

```
./config.sh -ea OFSAA_REG_REP_OSFI -iv 8.1.1.0.0 -alias "OFSAA OSFI  
DATA SOURCE" -aif <LombardAgileREPORTER>/bin/aliasinfo.properties
```

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 `OSFI2_v1.1.0-b83_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>/  
OSFI2_v1.1.0-b83_sign.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.

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- 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?

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