OFS Liquidity Risk Solution Pack

Installation Guide

Release 8.1.0.1.0

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Document Control

Version Number	Revision Date	Changes Done
1.0	Oct 2020	Created document to capture OFS LRS 8.1.0.1.0 Maintenance Level Release.
2.0	Nov 2020	Added a note regarding erwin patch in Pre-installation Requirements section.
3.0	Nov 2020	Added a note with information regarding Doc ID 2724021.1.
4.0	Aug 2021	Added a note in Pre-installation Requirements section regarding re-release of the Erwin patch.

Executive Summary

This document includes the necessary instructions to apply the OFS LRS 8.1.0.1.0 Maintenance Level Release and perform the required post-install configurations. You can find the latest copy of this document in the OHC Documentation Library which includes all the recent additions or revisions (if any).

Table of Contents

1   Preface

This document provides step-by-step instructions to install the Oracle Financial Services Liquidity Risk Solution (OFS LRS) Application Pack 8.1.0.1.0 Maintenance Level Release.

This chapter discusses the following topics:

- Audience
- Access to Oracle Support
- Related Documents
- Conventions and Acronyms

1.1   Audience

The OFS LRS Application Pack Installation Guide is intended for administrators and implementation consultants who are responsible for installing and maintaining the application pack components.

1.1.1   Prerequisites for the Audience

The document assumes that you have experience in installing Enterprise components and basic knowledge about the following:

- Oracle Financial Services Liquidity Risk Solution Application Pack components
- OFSAA Architecture
- UNIX Commands
- Database Concepts
- Web Server or Web Application Server

1.2   Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support (MOS). 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.

1.3   Related Documents

See the below OFS Liquidity Risk Solution Applications Pack documents available on OHC Documentation Library.

- Oracle Financial Services Liquidity Risk Measurement and Management User Guide Release 8.1.0.0.0
- Oracle Financial Services Liquidity Risk Regulatory Calculations for Reserve Bank of India User Guide Release 8.1.0.0.0

- Oracle Financial Services Liquidity Risk Regulatory Calculations for European Banking Authority User Guide Release 8.1.0.0.0

- Oracle Financial Services Liquidity Risk Measurement and Management Analytics User Guide Release 8.1.0.0.0

- Oracle Financial Services Analytical Applications Infrastructure User Guide (OHC Documentation Library)

- Oracle Financial Services Analytical Applications Infrastructure Installation Guide (OHC Documentation Library)

1.4   Conventions and Acronyms

The following table lists the conventions and acronyms used in this document.

Table 1: Conventions and Acronyms

Conventions	Description
Screen actions are indicated in Bold	
IR	Interim Release
ML	Maintenance Level Release
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
OFS LRS	Oracle Financial Services Liquidity Risk Solution
OFS LRM	Oracle Financial Services Liquidity Risk Management
OHC	Oracle Help Center
AIX	Advanced Interactive eXecutive
RHEL	Red Hat Enterprise Linux
OEL	Oracle Enterprise Linux
OS	Operating System
EAR or WAR	Enterprise Archive or Web Archive
J2EE	Java 2 Enterprise Edition
OTN	Oracle Technology Network
Atomic Schema	Database schema where the application data model is uploaded.
Configuration Schema	Database schema which contains setup related configurations and metadata.

2 OFS LRS Release 8.1.0.1.0

OFS LRS 8.1.0.1.0 Maintenance Level (ML) release includes all the bug fixes and minor enhancements done since the previous Major release, v8.1.0.0.0.

This ML release of OFS LRS can be installed on a setup with any OFSAA v8.1.0.0.0 Application Pack.

NOTE	• If you have defined any custom run purpose, ensure to take a back up of the tables FSI_LRM_LOOKUP_TL and FSI_LRM_PROCESS_PURPOSE_MAP, before you install the ML.
	• In an environment consisting of multiple OFSAA applications, if the October 2020 Critical Patch Update is applied for any one application, it is mandatory to apply the respective October 2020 Critical Patch Updates for all other applications on that OFSAA instance, regardless of the application's version. See the My Oracle Support Doc ID 2724021.1 for details.

2.1 Pre-installation Requirements

The prerequisites are as follows:

- You should have OFS LRS version v8.1.0.0.0 as the minimum patch set level.

- Login to My Oracle Support (MOS), download and install the OFSAAI v8.1.0.1 ML release (ID: 31529396)

- Login to My Oracle Support (MOS), download and install the OFSAAI One-off patch (ID: 31972886)

NOTE	Starting September 2020, OFSAA Application Minor releases out of the box (OOB) data models use the latest erwin Data Modeler version. The new erwin Data Modeler version supported is 2020 R2. Provided a roadmap of the erwin Data Modeler versions usage for the OFSAA out of the box Data Models in the MOS Doc ID 2725208.1.

ATTENTION	The erwin files (patch ID **32018229,** released October 2020) for OFS LRS 8.1.0.1.0 is re-released (patch ID: **33014543**, dated June 2021), with the latest Data Model. See the MOS Doc ID: 2784628.1 for details. Log in to My Oracle Support (MOS). In the *Patches & Updates* tab, search for **33014543** and download the patch. Extract the downloaded patch and see the ReadMe for instructions to apply the patch.

2.2   Installing this Maintenance Level Release

To install this ML release, follow these steps:

1. Login to My Oracle Support (MOS) and search for **31796878** under the *Patches & Updates* tab. See the note in the Pre-installation Requirements section for details related to Data Model patch for this release.

2. Download the *OFS_LRS_8.1.0.1.0_LINUX.zip* archive file and copy it to your OFSAA server in Binary mode.

> **NOTE**   There are different archive files for different operating systems such as Solaris, and RHEL or OEL.

3. Stop all the OFSAAI services. For more information, see the *Stopping Infrastructure Services* section in the Oracle Financial Services Liquidity Risk Solution Installation Guide 8.1.0.0.0.

4. Login to the OFSAA server as a non-root user, navigate to the `$FIC_HOME` directory, and execute the command:

    `chmod -R 775 *`

5. If you have Unzip utility, skip to the next step, else download the Unzip utility (OS-specific) 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 8.1.0.1.0 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]*" when the package is not installed, contact your UNIX administrator.

    -   Give EXECUTE permission to the utility using the command:

        `chmod 751 unzip_<os>`

        For example, `chmod 751 unzip_LINUX`

6. Extract the contents of the 8.1.0.1.0 ML archive file using either of the following commands:

    `unzip <name of the file to be unzipped>`

> **NOTE**   In case of a fresh installation of OFS LRS Release v8.1.0.1.0, navigate to the path `/OFS_LRS_PACK/DataModel` and replace the old Data Model XML file (`OFS_TR_Datamodel.xml`) with the latest one provided in the patch **33014543.**

7. Update the configuration file `params.conf` file before triggering the installation. The file `params.conf` is available in the directory: `OFS_LRS_PACK/appsLibConfig/conf`.

   Following are the input parameters for `params.conf` file:

   Model Upload Process: Input values required are 0 or 1

   - 1 indicates Trigger Model Upload

   - 0 indicates Skip Model upload process

   If the value is 1, then the next option is to specify the type of Model upload

   - 0 indicates Released Data Model

   - 1 indicates Customized Data Model

   If the value of Model upload type is 1, then provide the inputs for the Data Model name and the path of Data Model.

8. Give EXECUTE permission to the ML patch installer script. Navigate to the `OFS_LRS_PACK` directory and execute the command:

   `chmod 755 OFSAAIUpdate.sh`

9. Execute the following install command:

   `./OFSAAIUpdate.sh`

10. Verify if the ML is applied successfully by checking the log files generated in the `OFS_LRS_PACK/OFS_LRM_DIC/logs` and `OFS_LRS_PACK/OFS_LRM_LCR/logs` directories. You can ignore the ORA-00001 and ORA-02292 errors in the log file. In case of any other errors, contact My Oracle Support (MOS).

> | **NOTE** | See the OFS Analytical Applications Technology Matrix for a list of supported servers for OFS LRS 8.1.0.0.0. |

11. After successful installation of the ML, perform the following steps:

    - Clear the application cache. Navigate to the following directory depending on the configured web application server and delete the files.

        — **Tomcat**: <Tomcat installation folder>/work/Catalina/localhost/<Application name>/org/apache/jsp

        — **WebLogic**: <WebLogic installation location>/domains/<Domain name>/servers/<Server name>/tmp/_WL_user/<Application name>

        — **WebSphere**: <WebSphere installation directory>/AppServer/profiles/<Profile name>/temp/<Node name>/server1/<Application name>/<.war file name>

    - Deploy the RPD and Web Catalog file(s)

        — Take a backup of deployed `Liquidity_Risk_Management_Pack.rpd` and `Liquidity_Risk_Management_Pack.catalog` files from the OBIEE environment.

        — Navigate to the `$FIC_HOME/TR_BI/repository/` directory which contains the `Liquidity_Risk_Management_Pack.rpd` file and the

> `$FIC_HOME/TR_BI/catalog/` directory which contains the `Liquidity_Risk_Management_Pack.catalog` file. Deploy both the files into OBIEE deployment area.
>
> — Modify the connection pool and set the properties.
>
> — Any customization performed on the older RPD and Web Catalog files requires to be manually carried over to the newer ones post-deployment.
>
> — Clear OBIEE cache, if enabled.
>
> — For more information on deploying RPD and Web Catalog files, see *Deploying the application* section in Oracle Financial Services Liquidity Risk Solution Installation Guide 8.1.0.0.0,

12. Delete the existing EAR or WAR file available in the folder `$FIC_HOME/ficweb`.

13. Add umask 0027 in the `.profile` of the UNIX account which manages web server to ensure restricted access permissions.

14. Navigate to the web component deployed area. If you are deploying on a fresh environment, then delete the generated .war file. If you are installing in an existing environment, then delete the generated .war file and the folder created along with it.

15. Generate the application EAR or WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying the EAR or WAR file, see the *Post Installation Configurations* section in the Oracle Financial Services Liquidity Risk Solution Installation Guide 8.1.0.0.0.

16. Restart all the OFSAAI services. For more information, see the *Starting Infrastructure Services* section in the Oracle Financial Services Liquidity Risk Solution Installation Guide 8.1.0.0.0.

2.3 Post-installation Requirements

Execute the following statement in the Atomic Schema:

```
UPDATE DIM_BANDS
SET F_LATEST_RECORD_INDICATOR = 'N',
D_RECORD_END_DATE = TO_DATE('01-Jan-1900','dd-mm-yyyy'),
V_BAND_SHORT_DESC = Concat('Deprecated ',V_BAND_SHORT_DESC)
WHERE N_BAND_CODE IN ( 642, 643, 644, 645, 646, 647, 648, 649, 650, 651,
652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665 )
AND V_BAND_TYPE = 'EBA RES MAT BAND'
/
COMMIT
/
```

3   Appendix A: Frequently Asked Questions

What checks does the 8.1.0.0.0 Release patch perform?

Environment Check- As part of the environment check, it performs Java validation, Environment Variables validation, OS-specific validation, DB specific validation, and it shuts down all OFSAAI Services (Infrastructure Server, ICC Server, and back-end services).

Post Install check- As part of Post-install check, it checks if OFSAAI services can be successfully started.

Which version of erwin Data Modeler does OFS LRS support?

OFS LRS 8.1.0.1 supports erwin v9.8.

OFSAA Support

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

Send Us Your Comments

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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 and page number (if available) and contact the Oracle Support.

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