

# **OFS Liquidity Risk Solution Pack**

## **Installation Guide**

**Release 8.0.8.3.0**

**Aug 2022**

**ORACLE®**  
Financial Services

## OFS Liquidity Risk Solution Pack Installation Guide

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# Document Control

Version Number	Revision Date	Changes Done
Version 1.0	August 2022	Created the document for 8.0.8.3.0 Maintenance Level Release.

## Executive Summary

This document includes the necessary instructions to apply the OFS LRS 8.0.8.3.0 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).

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# 1 Preface

This document provides step-by-step instructions to install the Oracle Financial Services Liquidity Risk Solution (OFS LRS) Application Pack 8.0.8.3.0 Maintenance Level Release.

This chapter discusses the following topics:

- [Audience](#)
- [Recommended Environment](#)
- [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 Recommended Environment

Infrastructure application has been tested with Microsoft Internet Explorer™ browser. For best viewing of pages, set the screen resolution to a minimum resolution of 1024 x 768 pixels.

### 1.2.1 Access to Oracle Support

Oracle customers have access to electronic support through [My Oracle Support](http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info). 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 following OFS Liquidity Risk Solution Applications Pack documents available in the [OHC Documentation Library](#).

- *Oracle Financial Services Liquidity Risk Measurement and Management User Guide Release*
- *OFS Liquidity Risk Measurement and Management Analytics User Guide*
- *OFS Liquidity Risk Measurement and Management User Guide*
- *OFS Liquidity Risk Regulatory Calculations for Reserve Bank of India User Guide*
- *OFS Liquidity Risk Regulatory Calculations for US Federal Reserve User Guide*
- *OFS Liquidity Risk Regulatory Calculations for European Banking Authority User Guide*
- *OFS Liquidity Risk Regulatory Calculations for Bank of Thailand User Guide*
- *OFS Liquidity Risk Regulatory Calculations for Bank Negara Malaysia User Guide*
- *OFS Liquidity Risk Regulatory Calculations for Monetary Authority of Singapore User Guide*
- *OFS Liquidity Risk Regulatory Calculations for Hong Kong Monetary Authority User Guide*
- 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 the document.

**Table 1: Conventions and Acronyms**

Conventions	Description
	Screen actions are indicated in Bold

Conventions	Description
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 / 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 8.0.8.3.0

OFS LRS v8.0.8.3.0 Maintenance Level (ML) release includes the upgrade from Java 7 to Java 8 compiler.

### 2.1 Pre-installation Requirements

The prerequisites are as follows:

- Ensure that have set the OFS LRS v8.0.8.2.0 as the minimum patch.
- OFS LRS Release v8.0.8.3.0 is compatible with WebLogic 12.2.x and does not support WebLogic 12.1.3. If the WebLogic version is 12.1.3, upgrade to WebLogic 12.2.x.
- Login to [My Oracle Support](#). Download and install the one-off patch **34041048** (OFS AAI 8.0.8.6.0).

#### NOTE

To upgrade Java 7 in an existing OFSAA 8.0.7.x.x instance to Java 8, see Appendix P in the Oracle Financial Services Analytical Applications Infrastructure Installation and Configuration Guide.

### 2.2 Installing This Maintenance Level Release

To install this ML release, follow these steps:

1. Login to [My Oracle Support](#) and search for **34317589** under the *Patches & Updates* tab.
2. Download the *OFSAA 8.0.8.0.0 LRS ML RELEASE #3* archive file and copy it to your OFSAA server in Binary mode.
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 8.0.8.0.0](#).
4. Login to the OFSAA server as a non-root user and navigate to the `$FIC_HOME` folder.
5. Assign WRITE permission to the file or folders such as commonscripts, EXEWebService, ficapp, ficweb, and ficdb by executing the command:

```
chmod -R 775 *
```



6. If you have Unzip utility, skip to the next step or 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 8.0.8.2.0 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]*” when the package is not installed, contact your UNIX administrator.

- Give EXECUTE permission to the utility using the command:

```
chmod 751 unzip_<os>
```

7. Extract the contents of the 8.0.8.3.0 ML archive file using the following command:

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

8. Update the configuration file `params.conf` before triggering the installation. The `params.conf` file is available for LCR and DIC separately, in the directories: `OFS_LRS_PACK/OFS_LRM_LCR/conf` and `OFS_LRS_PACK/OFS_LRM_DIC/conf`. Ensure to modify the file in both the folders, irrespective of the licensing.

Ensure that you set the upload model input as zero in the `params.conf` file:

```
UPLOAD_MODEL=0
```

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

```
chmod 755 OFSAAIUpdate.sh
```

10. Execute the following install command:

```
./OFSAAIUpdate.sh
```

11. Verify if the ML is applied successfully by checking the log files generated in the directories:

`OFS_LRS_PACK/OFS_LRM_DIC/logs` and `OFS_LRS_PACK/OFS_LRM_LCR/logs`. You can ignore the ORA-00001 and ORA-02292 errors in the log file. In case of any other errors, contact [My Oracle Support](#).

See the log files in the following locations, for OFS LRS Application Pack installation, as per the SKUs licensed.

**Table 2: OFS LRS Installation Log File Paths**

Product	Installation Log Path	Debug Log Path
LCR	OFS_LRS_PACK/OFS_LRM_LCR/logs	OFS_LRS_PACK/OFS_LRM_LCR/logs
DIC	OFS_LRS_PACK/OFS_LRM_DIC/logs	OFS_LRS_PACK/OFS_LRM_DIC/logs
LCR-USFED	OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_USFED/logs	
LCR-RBI	OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_RBI/logs	
LCR-EBA	OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_EBA/logs	
LCR-BOT	OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_BOT/logs	
LCR-BNM	OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_BNM/logs	
LCR-MAS	OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_MAS/logs	
LCR-HKMA	OFS_LRS_PACK/OFS_LRM_LCR/OFS_LRM_LCR_HKMA/logs	
DIC-USFED	OFS_LRS_PACK/OFS_LRM_DIC/OFS_LRM_DIC_USFED/logs	
DIC-BNM	OFS_LRS_PACK/OFS_LRM_DIC/OFS_LRM_DIC_BNM/logs	
DIC-MAS	OFS_LRS_PACK/OFS_LRM_DIC/OFS_LRM_DIC_MAS/logs	
DIC-HKMA	OFS_LRS_PACK/OFS_LRM_DIC/OFS_LRM_DIC_HKMA/logs	

**NOTE** See the [OFS Analytical Applications Technology Matrix](#) for a list of supported servers for OFS LRS 8.0.8.0.0.  
OFS LRS 8.0.8.3.0 is qualified on Linux Operating System.

12. 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>
    - Delete the existing EAR or WAR file available in the `$FIC_HOME/ficweb` directory.
13. Add unmask 0027 in the `.profile` of the UNIX account which manages the 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 8.0.8.0.0](#).
16. Restart all the OFSAI services. For more information, see the Starting Infrastructure Services section in the [Oracle Financial Services Liquidity Risk Solution Installation Guide 8.0.8.0.0](#).

## 3 **Appendix A: Frequently Asked Questions**

### **What checks does the 8.0.8.3.0 Release perform?**

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

## OFSAA Support

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

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