

Oracle Financial Services Asset Liability Management

Installation Guide

Release 8.0.7.2.0

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OFS Asset Liability Management Installation Guide

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Document Control

Version Number	Revision Date	Change Log
1.0	July 2019	Created document to capture OFSALM 8.0.7.2.0 Maintenance Level Release.

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1 OFS ALM Release 8.0.7.2.0

OFS ALM 8.0.7.2.0 Maintenance Level (ML) includes all the bug fixes and minor enhancements done since the previous GA (General Availability) release, that is, 8.0.7.0.0.

This ML release of OFS ALM can be installed on a setup with any OFSAA 8.0.7.0.0 Application Pack.

1.1 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
OHC	Oracle Help Center
AIX	Advanced Interactive eXecutive
RHEL	Red Hat Enterprise Linux
OEL	Oracle Enterprise Linux
OS	Operating System
EAR / WAR	Enterprise Archive / Web Archive
J2EE	Java 2 Enterprise Edition
OTN	Oracle Technology Network
JCE	Java Cryptography Extension
Atomic Schema	Database schema where the application data model is uploaded.
Configuration Schema	Database schema which contains setup related configurations and metadata.

1.2 Pre Installation Requirements

- You should have OFS ALM version **8.0.7.0.0** as the minimum patch set level.
- OFS AAI 8.0.7.2.0 needs to be installed before OFS ALM 8.0.7.2.0 upgrade.
- Ensure unlimited cryptographic policy for Java is enabled during the installation of OFS AAI 8.0.7.0.0. For more information, see the *Enabling Unlimited Cryptographic Policy* section from the [OFS Analytical Applications Infrastructure Administration Guide](#).

NOTE Do not enable unlimited cryptographic policy for Java if the Java versions in OFS AAI and the Web Application servers are higher than 7u171 for Java 7, and 8u161 for Java 8.

1.3 How to Apply This Maintenance Level Release?

Refer to the following instructions to install this patch set.

1. Login to <https://support.oracle.com/> and search for 30011447 under the **Patches & Updates** tab.
2. Download the OFSAA 8.0.7.0.0 ALM ML RELEASE #2 archive file and copy it to your OFSAA server in **Binary** mode.

NOTE There are different archive files for different operating systems such as AIX and RHEL or OEL. ALM 8.0.7.2.0 is not qualified on SOLARIS 10 x86.

3. Stop all the OFSAAI services. For more information, see the Starting/ Stopping Infrastructure Services section in the [Oracle Financial Services Asset Liability Management Installation & Configuration Guide 8.0.7.0.0](#).
4. Log in to [My Oracle Support](#), search for the 33663417 Mandatory Patch in the Patches & Updates Tab and download it.

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](#).

5. Login to the OFSAA server as a non-root user and navigate to the `$FIC_HOME` folder.
6. Assign WRITE permission to the files or folders such as common scripts, EXEWebService, ficapp, ficweb, and ficdb by executing the command:

```
chmod -R 775 *
```

7. 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 8.0.7.2.0 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>
```

For example, `chmod 751 unzip_aix`

8. Extract the contents of the 8.0.7.2.0 ML archive file using either of the following commands:

```
unzip_<os> -a <name of the file to be unzipped>
```

Or

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

NOTE

The above “-a” option is mandatory to unzip the archive file. For example: For AIX operating system `unzip_aix -a 30011447_AIX.zip`

9. Update the parameters in `params.conf` file present in `/OFS_ALM_PACK/OFS_ALM/conf/` directory. The update instructions are present in the file itself.
10. Give EXECUTE permission to the ML patch installer script. Navigate to the path where the folder `OFS_AAI` exists and execute the command:

```
chmod 755 OFSAAIUpdate.sh
```

11. Execute the following command:

```
./OFSAAIUpdate.sh
```

12. Verify if the ML is applied successfully by checking the log file generated in `/OFS_ALM_PACK/OFS_ALM/logs` folder. In case of any other errors, contact Oracle Support Services.

13. Post successful installation of the ML, perform the following steps:

- Clear the application cache. Navigate to the following path 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>

14. Delete the existing EAR or WAR file available in the folder \$FIC_HOME/ficweb.
15. Install the OFSAAIRunner package. This is an optional step and applicable only if you have installed ORE. For more information, see [Installing OFSAAIRunner package with enhancements for OFS ALM 8.0.7.0.0](#).
16. Restart all the OFSAAI services. For more information, see the Starting and Stop Infrastructure Services section in the [Oracle Financial Services Asset Liability Management Installation & Configuration Guide 8.0.7.0.0](#).
17. Generate the application EAR/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 Asset Liability Management Installation & Configuration Guide 8.0.7.0.0](#).

1.4 Post Installation Steps

Download the mandatory one-off patch 30170141 from <http://support.oracle.com/>. Extract and apply the patch.

In an application-on-application/pack-on-pack installation scenario (to install another application/pack after an application/pack has been installed), reapply the patch post-installation of the 8.0.7.2.0 version. However, before you reapply, delete the record for patch number 30170141 in the infodom_patches and patchapply_details tables.

2 Appendix A - Installation of R and Oracle R Enterprise (ORE)

This is an optional step and required only if you intend to use Term Structure Parameter Estimation functionality under Rate Management – Interest Rates, for computing term structure parameters. Both Funds Transfer Pricing and Asset Liability Management applications require term structure parameters for all Monte Carlo engine based calculations (OAS, VaR, and EaR).

The following are the prerequisites:

- Install R and Oracle R Enterprise Server on the Oracle Database server. Refer to https://docs.oracle.com/cd/E57012_01/doc.141/e57007.pdf
- ORE version supported - Oracle R Enterprise (Server) version 1.4.1

Configuration for Oracle R Enterprise

Grant the RQADMIN role to the atomic schema.

You can grant the rqadmin role in SQL*Plus by logging in to the database with DBA privileges and provide the following privilege to Atomic Schema:

RQADMIN by executing the command:

```
GRANT RQADMIN TO < atomic_schema>;
```