

# Oracle Financial Services Asset Liability Management Application Pack Installation Guide



Release 8.1.2.2.0

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# Contents

1	About This Content	
<hr/>		
2	OFS ALM Release v8.1.2.2.0	
<hr/>		
2.1	Pre-installation Requirements	2-1
2.2	Installing this Release	2-2
3	Additional Configurations	
<hr/>		
3.1	Install the Updated OFSAAI Runner	3-1
A	Appendix A - Installation of R and Oracle R Enterprise (ORE)	
<hr/>		

# 1

## About This Content

This guide provides information on the Oracle Financial Services Asset Liability Management Application (OFS ALM).

### Audience

This guide is intended for the users of Oracle Financial Services Asset Liability Management Application (OFS ALM).

### Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

### Access to Oracle Support

Oracle customers that have purchased support 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.

### Related Resources

See these Oracle resources:

- [Oracle Financial Services Release Notes](#)
- [Oracle Financial Services Installation and Configuration Guide](#)
- [Oracle Financial Services Asset Liability Management Analytics User Guide](#)
- [Oracle Financial Services Analytical Applications Data Model Utilities User Guide](#)
- [Oracle Financial Services Cash Flow Engine Reference Guide](#)

### Conventions

The following text conventions are used in this document.

**Table 1-1 Conventions**

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

# 2

## OFS ALM Release v8.1.2.2.0

OFS Asset Liability Management Installation Guide (OFS ALM) Maintenance Level (ML) release v8.1.2.2.0 includes all the bug fixes and minor enhancements done since the previous GA (General Availability) release v8.1.2.0.0.

This ML release of OFS ALM can be installed on a setup with any Oracle Financial Services Asset Liability Management Installation Guide (OFS ALM) v8.1.2.0.0 Application Pack.

### 2.1 Pre-installation Requirements

The following pre-installation steps are required for this release:

- The minimum patch level installed must be OFS ALM Release **8.1.2.0.0**.
- The minimum OFS AAI patch level is Release **8.1.2.2.0 ML**.

#### Note:

Download 34921477 (Erwin Data Model patches for ALM and ALMBI) from [My Oracle Support](#).

See the [OFS Analytical Applications Technology Matrix](#) for hardware and software requirements.

For more details on Java 11, see the [Update the OFSAA 8.1.1.x Java 8 Instance to Java 11](#) section.

Take a backup of SETUP\_MASTER table in Atomic schema if there are customizations. This table will be overwritten with default values post installation.

- The unlimited cryptographic policy for Java is enabled during the installation of OFS ALM 8.1.2.0.0. For more information, see the *Enabling Unlimited Cryptographic Policy* section in the [OFS Analytical Applications Infrastructure Administration Guide](#).

## 2.2 Installing this Release

 **Note:**

If you are installing OFS PCD Release 812 on the same Infodom (in an integrated environment) where OFS ALM, OFS FTP, and OFS BSP are installed, then the following order of installation is mandated:

- OFS PCD
- OFS ALM
- OFS FTP
- OFS BSP

If you have already installed OFS PCD and planning to install the remaining applications, then you must apply the OFS PCD one-off patch 34985659.

To install this release patch, follow these steps:

1. Log in to [My Oracle Support](#) and search for **34804698** under the **Patches & Updates** tab.
2. Download the OFS ALM 8.1.2.2.0 ML Release archive file and copy to your OFSAA server in **Binary** mode.

 **Note:**

There are different archive files for different operating systems such as AIX, Solaris, and RHEL/OEL.

3. Stop all the OFS AAI services. For more information, see the Stopping Infrastructure Services section in the [Oracle Financial Services Asset Liability Management Installation and Configuration Guide](#).
4. Log in to the OFSAA server as a non-root user and navigate to the \$FIC\_HOME directory.
5. Assign WRITE permission to the files/directories such as commonscripts, EXEWebService, ficapp, ficweb, and ficdb using the command:  

```
chmod -R 775 *
```
6. If you have the 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 8.1.2.2.0 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.

- Assign EXECUTE permission to the utility using the command:

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

For example, `chmod 751 unzip_aix`

7. Extract the contents of the 8.1.2.2.0 ML archive file using one 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 “-a” option is mandatory to unzip the archive file. For example: For AIX operating system, `unzip_aix -a p 34804698_81220_AIX64.zip`

8. Update the parameters in the `params.conf` file present in the `OFS_ALM_PACK/appsLibConfig/conf` directory. The update instructions are present in the file itself. Set `UPLOAD_MODEL` parameter to **1** to upload the Data Model.

```
# Specify wheter you want to perform Model Upload
# 0 = If you have already performed Model Upload and want to skip model upload process
# 1 = If you want to perform Model Upload
UPLOAD_MODEL=1

# Specify whether you want to use the released datamodel or customized datamodel for model upload
# 0 = If you want to upload the released datamodel
# 1 = If you want to upload the customized datamodel
MODEL_TYPE=

# Specify the path(DM_DIRECTORY) and file(DATAMODEL) name for the cutomized datamodel
# Mandatory only if you want to upload the customized datamodel
# i.e you have specified MODEL_TYPE=1
DATAMODEL=
DM_DIRECTORY=
```

 **Note:**

**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 choose a type of Model Upload from the following:

- **0** indicates Released Data Model
- **1** indicates the Customized Data Model

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

9. Navigate to the `/OFS_ALM_PACK` directory to assign EXECUTE permission to the ML patch installer script using the command:

```
chmod 755 OFSAAIUpdate.sh
```

10. Complete the patch upgrade using the command:

```
./OFSAAIUpdate.sh
```

11. Verify if the ML patch is applied successfully by checking the following log files:

- `OFS_ALM_installation.log` file in `/OFS_ALM_PACK/OFS_ALM/logs` directory
- `OFS_ALMBI_installation.log` file in `OFS_ALM_PACK/OFS_ALMBI/logs` directory
- `OFSAAIUpdate.log` file in `/OFS_ALM_PACK/logs` directory

You can ignore error codes ORA-00001, ORA-02292, ORA-00955, and ORA-02260 in the log file. For any other errors, contact [My Oracle Support](#).

 **Note:**

For upgrade on Hive Infodom, you may encounter an exception "PL/SQL: ORA-00942: table or view does not exist". You can ignore this error.

12. After successful installation of the ML, follow these steps:

- Execute `.profile` using the following command:
 

```
.$HOME/.profile
```
- 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>
```

13. Delete the existing EAR or WAR file available in the `$FIC_HOME/ficweb` directory.
14. Install the OFSAAIRunner package. This is an optional step and applicable only if you have installed Oracle R Enterprise Edition (ORE). For more information, see [Installing OFSAAIRunner package with enhancements for OFS AAI 8.1.2.2.0](#).
15. Restart all the OFSAAI services. For more information, see the *Starting Infrastructure Services* section in the [Oracle Financial Services Asset Liability Management Installation and Configuration Guide](#).
16. 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 Asset Liability Management Installation and Configuration Guide](#).
17. Configure the document upload settings. See the *Configure Document Upload Settings* section in the [Oracle Financial Services Asset Liability Management Installation and Configuration Guide](#) for more information.

# 3

## Additional Configurations

### Topics:

- [Install the Updated OFSAAI Runner](#)

### 3.1 Install the Updated OFSAAI Runner

#### Note:

1. This is a post-installation configuration and is applicable if you have installed Oracle R Enterprise (ORE) for Oracle Financial Services Enterprise Modeling (OFS EMF) Application.
2. This configuration is not applicable for Tomcat web server.

If OFS Enterprise Modeling is licensed and enabled in your OFSAA instance, uninstall the OFSAAI Runner package and reinstall the latest available OFSAAI Runner package. For details on uninstallation and reinstallation, see the *Configuring Oracle R distribution and Oracle R Enterprise (ORE)* section in the [Oracle Financial Services Analytical Applications Infrastructure Installation and Configuration Guide](#).

# A

## 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 Interest Rates of Rate Management for computing term structure parameters. Both OFS Funds Transfer Pricing and OFS 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. For more information, see the [Oracle® R Enterprise Installation and Administration Guide](#)
- Oracle R Enterprise (Server) version 1.4.1
- Configuration for Oracle R Enterprise
- Grant the RQADMIN role to atomic schema  
You can grant the RQADMIN role in SQL\*Plus by logging in to the database with DBA privileges and providing the following privilege to Atomic Schema:

```
RQADMIN by executing the command:  
GRANT RQADMIN TO < atomic_schema>;
```