Oracle Financial Services Asset Liability Management Application Pack

Installation and Configuration Guide

Version 8.0.6.1.0

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FINANCIAL SERVICES

DOCUMENT CONTROL

Version Number	Revision Date	Changes Done
1.0	Created: August 2018	Created document to capture OFSALM 8.0.6.1.0 Maintenance Level Release
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Executive Summary

This document includes the necessary instructions to apply 8.0.6.1.0 Maintenance Release for OFS Asset Liability Management Application Pack and perform the required post-install configurations. You can find the latest copy of this document in OHC Documentation Library which includes all the recent additions/revisions (if any).

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Preface

This document provides step-by-step instructions to install the OFS ALM Application Pack 8.0.6.1.0 Maintenance Release.

This chapter discusses the following topics:

- [Audience](#)
- [How this Guide is Organized](#)
- [Conventions Used](#)

Audience

Oracle Financial Services Asset Liability Management Pack Installation and Configuration Guide is intended for administrators and implementation consultants who are responsible for installing and maintaining the application pack components.

Prerequisites for the Audience

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

- Oracle Financial Services Asset Liability Management pack components
- OFSAA Architecture
- UNIX Commands
- Database Concepts
- Web Server/ Web Application Server

How this Guide is Organized

The Oracle Financial Services Asset Liability Management Application Pack Installation and Configuration Guide includes the following topics:

- [OFSALM Release 8.0.6.1.0](#)

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Conventions and Acronyms

Conventions	Description
Actions are indicated in **Bold.** Command or query is indicated in `Courier New font.`	
AIX	Advanced Interactive eXecutive
OFS AAI	Oracle Financial Services Analytical Applications Infrastructure
OFS ALM	Oracle Financial Services Asset Liability Management
OFS ALMBI	Oracle Financial Services Asset Liability Management Analytics
RHEL	Red Hat Enterprise Linux
ML	Maintenance Level
R	Third-party open-source software. Open source R is governed by the GNU General Public License (GPL).
Oracle R Distribution	Oracle R Distribution is Oracle's free distribution of Open source R.
Oracle R Enterprise	Oracle R Enterprise integrates R, the Open source scripting language and environment, with Oracle Database.
Atomic Schema	Database schema where the application data model is uploaded.
Config Schema	Database schema which contains setup related configurations and metadata.

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1 OFS ALM Application Pack Minor Release 8.0.6.1.0

This release of OFS ALM Application Pack is cumulative and includes all enhancements and bug fixes done since the OFS ALM Application Pack v8.0.6.0.0 release.

This ML release of OFS AAI can be installed on a setup with any OFSAA 8.0.6.0.0 Application Pack.

1.1 Pre Installation Requirements

1. You should have OFS AAI version 8.0.6.0.0 as the minimum patch set level.

2. Enable the unlimited cryptographic policy. By default, JCE Policy JAR files are available for the Java versions mentioned in the following link and for later versions:

    https://bugs.java.com/view_bug.do?bug_id=JDK-8170157

    For Java versions, where unlimited cryptographic policy is not enabled by default, perform the following steps:

    1. Download the JCE Policy related JARs `local_policy.jar` and `US_export_policy.jar`.

        - For Oracle Java, download it from http://www.oracle.com/technetwork/java/javase/downloads/jce-7-download-432124.html .

        - For IBM Java, download it from https://www14.software.ibm.com/webapp/iwm/web/preLogin.do?source=jcesdk .

    2. Copy (or replace) the downloaded JCE Policy related JARs `local_policy.jar` and `US_export_policy.jar` into the `/jre/lib/security` folder of Java installation directory used for OFSAAI and the Web Application Servers.

1.2 How to Apply This Maintenance Level Release?

1.2.1 Installing OFS ALM Application Pack

Refer to the following instructions to install this patch set.

1. Login to https://support.oracle.com/ and search for **28480449** under the *Patches & Updates* tab.

2. Download the OFS ALM Application Pack v8.0.6.1.0 archive file and copy it to your OFSAA server in **Binary** mode.

    > **NOTE:** The archive files are different for every operating system like AIX, Solaris, and RHEL/OEL.

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3.   Stop all the OFSAAI Services. For more information, refer to the *Start/Stop Infrastructure Services* section in Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.0.0.0.

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/ folders such as commonscripts, EXEWebService, ficapp, ficweb, and ficdb by executing the command:

```
chmod -R 775 *
```

7.   If you have Unzip utility, skip to the next step. 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 8.0.6.1.0 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 file using the command:

   ```
   chmod 751 OFS_ALM_8.0.6.1.0_<OperatingSystem>.zip
   ```

8.   Extract the contents of the 8.0.6.1.0 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 OFS_ALM_8.0.6.1.0_AIX.zip
```

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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.

NOTE: No Data model changes are available in 8061 ML, hence set UPLOAD_MODEL = 0 in params.conf file.

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10. Give EXECUTE permission to the ML patch installer script. Navigate to the path where the folder *OFS_ALM_PACK* exists and execute the command:

    ```
    chmod –R 755 OFSAAIUpdate.sh
    ```

11. Execute the following command.

    ```
    ./OFSAAIUpdate.sh
    ```

    Verify if the ML is applied successfully by checking the log file generated in the installation folder in the path `<PATCH_EXTRACTED FOLDER>/OFS_ALM_PACK/OFS_ALM/logs/OFS_ALM_patch_installation.log`. You can ignore ORA-00001, ORA-00955, ORA-02260, ORA-01430, and ORA-01031 errors in the log file. In case of any other errors, contact Oracle Support.

12. Post successful installation of ML, perform these 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>/<auto generated folder>/jsp_servlet
       ```

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

    ▪ Deploy RPD and webcat file(s)

    ▪ Take a backup of deployed ALMBI.rpd and ALMBI.catalog files from the OBIEE environment.

    ▪ Navigate to folder `$FIC_HOME/ALMBI/RPD_WEBCATALOG/` which contains both ALMBI.rpd and archived ALMBI.catalog files. Deploy both the files into the OBIEE deployment area.

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- Modify connection pool and set the properties. For more information, refer to Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.0.0.0 (*Modify connection pool and set the properties under section 11.2.2). T*o deploy the ALMBI application, follow the OBIEE configuration steps in Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.0.0.0.

- Any customizations performed on the older RPD and Webcatalog files need to be manually carried over to the newer ones post-deployment.

- Clear OBIEE cache, if enabled.

13. Post successful installation of ALM 8.0.6.1.0 Application Pack, perform the additional configurations as explained in Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.6.0.0.

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

15. Restart all the OFSAAI services. For more information, see the *Starting/ Stop Infrastructure Services* section in the Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.0.0.0.

16. Generate the application EAR/WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying EAR/WAR file, refer to the *Post Installation Configuration* section in Oracle Financial Services Asset Liability Management Application Pack Installation Guide Release 8.0.0.0.0.

1.3   Post Installation Activities

- Modify .profile to append the variable LD_LIBRARY_PATH with $FIC_DB_HOME/lib/libC++11 for installations on Solaris platforms.

- Download the one-off patch 28594384 from My Oracle Support.

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OFSALM

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