Oracle Financial Services Analytical Applications Infrastructure

Installation Guide

Release 8.1.0.1.0

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Financial Services

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OFS Analytical Applications Infrastructure Installation Guide

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Document Control

Version Number	Revision Date	Change Log
1.3	December 2021	Updated the How to Install this Release Section for 33663417 Mandatory Patch instructions (Doc 33668822).
1.2	December 2020	Added the mandatory patch 32191864 information in the How to Install this Release section (Doc 32291608).
1.1	November 2020	Added a note for the October CPU information in the How to Install this Release section (Doc 32150738).
1.0	October 2020	Created the document for the OFS AAI 8.1.0.1.0 Maintenance Level Release.

Table of Contents

1 Preface 5

1.1 Access to Oracle Support 5
1.2 Audience 5
1.3 Additional Resources 5
1.4 Conventions Used 5
1.5 Acronyms Used 6

2 OFS AAI Release v8.1.0.1.0 7

2.1 Pre-installation Requirements 7
2.2 How to Install this Release 7

3 Additional Configurations 11

3.1 Installing the OFS AAI Runner Package with Enhancements for OFS AAI 8.1.0.1.0 11

1 Preface

This preface provides information for the Oracle Financial Services Analytical Applications Infrastructure (OFS AAI) Installation Guide.

Topics:

- Access to Oracle Support
- Audience
- Additional Resources
- Conventions Used
- Acronyms Used

1.1 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit:

- http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info
- http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.

1.2 Audience

This document is intended for the users installing the OFS AAI application.

1.3 Additional Resources

This section identifies additional resources for the OFS AAI application. You can access the online documentation for the OFS AAI 8.1.0.0.0 from the Oracle Help Center (OHC).

- OFS Advanced Analytical Applications Infrastructure (OFS AAAI) Application Pack Installation and Configuration Guide
- OFS Analytical Applications Infrastructure Administration Guide
- OFS Analytical Applications Infrastructure Release Notes

To find additional information about how Oracle Financial Services solves real business problems, see our website at www.oracle.com/financialservices.

1.4 Conventions Used

The following table lists the conventions used in this guide.

Table 1: Conventions Used in this Guide

Convention	Meaning
Italics	• Names of books, chapters, and sections as references • Emphasis
Bold	• The object of an action (menu names, field names, options, button names) in a step-by-step procedure • Commands typed at a prompt • User input
`Monospace`	• Directories and subdirectories • File names and extensions • Process names • Code sample, including keywords and variables within the text and as separate paragraphs, and user-defined program elements within the text
<Variable>	Substitute input value

1.5 Acronyms Used

The following table lists the acronyms used in this guide.

Table 2: Conventions Used in this Guide

Conventions	Description
IR	Interim Release
ML	Maintenance Level Release
OFS AAI	Oracle Financial Services Analytical Applications Infrastructure
OHC	Oracle Help Center
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
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.

2 OFS AAI Release v8.1.0.1.0

OFS Analytical Applications Infrastructure Installation Guide (OFS AAI) Maintenance Level (ML) release v8.1.0.1.0 includes all the bug fixes and minor enhancements done since the previous GA (General Availability) release v8.1.0.0.0.

This ML release of OFS AAI can be installed on a setup with any Oracle Financial Services Analytical Applications (OFSAA) v8.1.0.0.0 Application Pack.

> **NOTE** **Licensing Information for the OFSAAIE Pack 8.1.0.0.0 Release**
>
> The Oracle Financial Services Analytical Applications Infrastructure Extension (OFSAAIE) pack is enabled by the procurement of an additional license. For details about licensing, see the Oracle Financial Services Analytical Applications Infrastructure Extension Pack 8.1.0.0.0 Release Notes.

2.1 Pre-installation Requirements

The minimum patch level installed must be OFS AAI Release **8.1.0.0.0**.

2.2 How to Install this Release

To install this release patch, follow these steps:

1. Log in to My Oracle Support and search for **31529396** under the **Patches & Updates** tab.

> **NOTE** 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. Download the OFSAA 8.1.0.1.0 OFS AAI ML Release 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 SPARC and Linux.

3. Stop all the OFS AAI services. For more information, see the *Stop the Infrastructure Services* section in the Oracle Financial Services Analytical Applications Infrastructure Installation & Configuration Guide.

4. Search and download the mandatory patch **32191864** from My Oracle Support.
5. 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 before version 2.15. The application of the **33663417** Mandatory Patch fixes the issue.
>
> For details, see the My Oracle Support Doc ID 2827801.1.
>
> Ensure that you reapply the **33663417** Mandatory Patch whenever you install or upgrade the application, or apply an incremental patch.

6. Log in to the OFSAA server as a non-root user and navigate to the `$FIC_HOME` directory.
7. Assign WRITE permission to the files/directories such as commonscripts, EXEWebService, ficapp, ficweb, and ficdb using the command:

   ```
   chmod -R 775 *
   ```

8. If you have the Unzip utility, skip to the next step. If you do not have the utility, download the OS-specific Unzip utility 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 the 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`

9. Extract the contents of the 8.1.0.1.0 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 a Linux operating system, `unzip_linux -a p31529396_81010_linux.zip`

10. Navigate to the path where the folder OFS_AAI exists to give EXECUTE permission to the ML patch installer script using the command:

    ```
    chmod 755 OFSAAIUpdate.sh
    ```

11. Complete the patch upgrade using the command:

    ```
    ./OFSAAIUpdate.sh
    ```

12. Verify if the ML patch is applied successfully by checking the log file generated in the `OFS_AAI/logs` directory. You can ignore error codes ORA-00001, ORA-00955, ORA-01430, and ORA-02292 in the log file. For any other error, contact My Oracle Support.

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

13. Post 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>
      ```

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

15. Install the OFS AAI Runner package. This is an optional step and applicable only if you have installed Oracle R Enterprise Edition (ORE). For more information, see Installing OFS AAI Runner package with enhancements for OFS AAI 8.1.0.1.0.

16. Apply the mandatory patch **32191864**. See the Readme available with the patch for further instructions on how to install and apply the patch.

17. Apply the **33663417** Mandatory Patch.

    See the Readme that is packaged with the patch for further instructions on how to install and apply it.

18. Restart all the OFS AAI services. For more information, see the *Start the Infrastructure Services* section in the Oracle Financial Services Analytical Applications Infrastructure Installation & Configuration Guide.
19. 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/WAR file, see the *Post Installation Configurations* section in the Oracle Financial Services Analytical Applications Infrastructure Installation & Configuration Guide.
20. Configure the document upload settings. See the *Configure Document Upload Settings* section in the Oracle Financial Services Analytical Applications Infrastructure Administration and Configuration Guide for more information.

3 Additional Configurations

This section provides information about additional configuration steps in OFS AAI.

3.1 Installing the OFS AAI Runner Package with Enhancements for OFS AAI 8.1.0.1.0

> **NOTE** This is a post-installation configuration and is applicable if you have installed Oracle R Enterprise (ORE) for Oracle Financial Services Enterprise Modeling (OFS EM) Application.

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

OFSAA Support

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

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- 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?

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