

**Oracle Financial Services  
Analytical Applications  
Infrastructure Extension Pack**

**Installation Guide**

**Release 8.1.0.0.0**

**September 2022**

**ORACLE**<sup>®</sup>  
Financial Services

## Oracle Financial Services Analytical Applications Infrastructure Extension Pack Installation Guide

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# Document Control

Version Number	Revision Date	Change Log
2.0	September 2022	Updated the <a href="#">Verify the Log File Information</a> section. (Doc 34528696).
1.0	August 2020	Created the document to capture Oracle Financial Services Analytical Applications Infrastructure Extension 8.1.0.0 Pack Release.

# Table of Contents

<b>1</b>	<b>Preface</b>	<b>5</b>
1.1	Audience	5
1.2	Related Documents	5
1.3	Conventions	5
1.4	Abbreviations	6
<b>2</b>	<b>Introduction</b>	<b>7</b>
2.1	Oracle Financial Services Analytical Applications Infrastructure (OFSAAI)	7
2.2	About Oracle Financial Services Analytical Applications Infrastructure Extension (OFSAAIE) Pack	7
2.3	Installation Scenario	8
<b>3</b>	<b>Hardware and Software Requirements</b>	<b>9</b>
<b>4</b>	<b>Pre-installation Requirements</b>	<b>10</b>
4.1	Download the OFSAAIE Pack	10
4.2	Extract the Software	10
<b>5</b>	<b>Install the Oracle Financial Services Analytical Applications Infrastructure Extension Pack</b>	<b>11</b>
5.1	Verify the Log File Information	11
<b>6</b>	<b>Related Documents for Oracle Financial Services Analytical Applications Infrastructure Extension Pack features</b>	<b>12</b>

# 1 Preface

This section provides information about the Oracle Financial Services Analytical Applications Infrastructure Extension (OFSAIE) Pack Installation Guide.

## 1.1 Audience

This Installation Guide is intended for administrators and implementation consultants who are responsible for installing and maintaining the application pack components.

This document assumes that you have experience in installing Enterprise components and basic knowledge about the following:

- OFSAI components
- OFSAA architecture
- UNIX commands
- Database concepts
- Web server or web application server

## 1.2 Related Documents

We strive to keep this and all other related documents updated regularly; visit the [OHC Documentation Library](#) to download the latest version available there. The list of related documents is provided here:

- *Oracle Financial Services Analytical Applications Technology Matrix*
- *Oracle Financial Services Analytical Applications Infrastructure Environment Check Utility Guide*
- *Oracle Financial Services Analytical Applications Infrastructure Cloning Guide*

## 1.3 Conventions

The following text conventions are used in this document.

**Table 1: Document 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, file names, text that appears on the screen, or text that you enter.

Convention	Meaning
<a href="#">Hyperlink</a>	Hyperlink type indicates the links to external websites, internal document links to sections.

## 1.4 Abbreviations

The following table lists the abbreviations used in this document.

**Table 2: Abbreviations**

Conventions	Description
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
OFS AAIE	Oracle Financial Services Analytical Applications Infrastructure Extension Pack
EP	Extension Pack
OHC	Oracle Help Center

## 2 Introduction

In today's turbulent markets, financial institutions require a better understanding of their risk-return, while strengthening competitive advantage and enhancing long-term customer value. Oracle Financial Services Analytical Applications (OFSAA) enable financial institutions to measure and meet risk-adjusted performance objectives, cultivate a risk management culture through transparency, lower the costs of compliance and regulation, and improve insight into customer behavior.

OFSAA uses industry-leading analytical methods, shared data models, and applications architecture to enable integrated risk management, performance management, customer insight, and compliance management. OFSAA actively incorporates risk into decision making, enables to achieve a consistent view of performance, promote a transparent risk management culture, and provide pervasive intelligence.

Oracle Financial Services Analytical Applications delivers a comprehensive, integrated suite of financial services analytical applications for both banking and insurance domains.

### 2.1 Oracle Financial Services Analytical Applications Infrastructure (OFSAAI)

Oracle Financial Services Analytical Applications Infrastructure (OFSAAI) powers the Oracle Financial Services Analytical Applications family of products to perform the processing, categorizing, selection and manipulation of data and information required to analyze, understand and report on specific performance, risk, compliance and customer insight issues by providing a strong foundation for the entire family of Oracle Financial Services Analytical Applications across the domains of Risk, Performance, Compliance and Customer Insight.

### 2.2 About Oracle Financial Services Analytical Applications Infrastructure Extension (OFSAAIE) Pack

The Oracle Financial Services Analytical Applications Infrastructure Extension (OFSAAIE) Pack offers advanced features and functionalities which can be installed on top of OFSAAI. Before installing the Oracle Financial Services Analytical Applications Infrastructure Extension Pack you must [install](#) an OFSAA instance having one or more OFSAA application packs.

The Oracle Financial Services Analytical Applications Infrastructure Extension Pack includes the following advanced features and functionalities:

- [Distributed Processing Capabilities](#)
  - Supports the deployment model that separates the components that serve the UI or Interactive application components from the components that serve to compute requirements of the batch jobs.
  - Enables batch processes that must be distributed over multiple nodes by running multiple activation manager (job agent).
- [Analytic Pipeline and Process Models](#)
  - To support interleaving of automated paths or *swim-lanes* with Human-decisioning tasks.
  - Segregation of pipelines.

- Orchestration of Run pipeline which allows choreography of analytical jobs or Run pipeline.
- Workflow pipeline which allows Human decisions and automated system task choreography.
- Analytical or Business Process pipelines which interleave automated paths with Human decision tasks. These pipelines can be interleaved with *swim-lanes* within a process model orchestration.
- Attribution pipeline which supports analysis of independent variables or factors that impact dependent variables in a computing.

For more information about Process Models, see [Process Modeling Framework](#).

- [Attribution Analysis](#)

Attribution Analysis is a solution that is derived out of the PMF Application to specially address the requirements to compare runs by modifying a variable from a list of variables and analyze reports.

- [Content Management Interoperability Services](#)

Content Management Interoperability Services (CMIS) is an OASIS standard enabling information sharing between different Content Management Systems. Document management features can be configured to interface with CMIS services to do various operations like document upload, download, and search. The documents get stored in the CMIS repository.

## 2.3 Installation Scenario

The Oracle Financial Services Analytical Applications Infrastructure Extension Pack can be installed on an OFSAA instance having one or more OFSAA application packs. This pack can be installed with any of the 8.1.x.x application pack.



### 3 **Hardware and Software Requirements**

The Oracle Financial Services Analytical Applications Infrastructure Extension Pack requires similar hardware and software requirements as Oracle Financial Services Analytical Applications (OFSA) v8.1.0.0.0 application Packs.

See the [Oracle Financial Services Analytical Applications 8.1.0.0.0 Technology Matrix](#) for the hardware and software required for OFSAI Release 8.1.0.0.0.

## 4 Pre-installation Requirements

The Oracle Financial Services Analytical Applications Infrastructure Extension Pack can be installed on an OFSAA instance having one or more OFSAA application packs. This pack can be installed with any of the OFSAA 8.1.x.x.x application pack.

To get the **Attribution Analysis** feature with the OFS AAIE pack, you must apply an additional patch, see the following note for the instruction.

**NOTE** Download the additional patch **31523114** from [My Oracle Support](#) and apply it. For more information about installing the patch, see the Readme available with the patch.

### 4.1 Download the OFSAAIE Pack

To download the Oracle Financial Services Analytical Applications Infrastructure Extension Pack Release 8.1.0.0.0, follow these steps:

1. Log in to the [Oracle Software Delivery Cloud](#) (OSDC) with a valid Oracle account.
2. Search for **Oracle Financial Services Analytical Applications Infrastructure Extension Pack**.
3. Download the **Oracle Financial Services Analytical Applications Infrastructure Extension Pack 8.1.0.0.0** installer and copy (in Binary Mode) to the download directory that exists in the OFSAA Installation Setup.

### 4.2 Extract the Software

You must be logged in to the UNIX operating system as a non-root user where OFSAA is installed. To extract the software, follow these steps:

1. Download the unzip utility (OS-specific) `unzip_<os>.Z` and copy it in Binary mode to the directory that is included in your PATH variable.

If you already have an unzip utility to extract the contents of the downloaded archive, skip this step. Uncompress the unzip installer file with the command:

```
uncompress unzip_<os>.Z
```

**NOTE** If an error message "*uncompress: not found [No such file or directory]*" is displayed, contact your UNIX administrator.

2. Extract the contents of the OFSAAIE Pack Release 8.1.0.0.0 installer archive file in the download directory with the following command:

```
unzip -a OFS_AAIE_PACK_8.1.0.0.0_GENERIC.zip
```

3. Navigate to the download directory and assign execute permission to the installer directory with the following command:

```
chmod -R 755 OFS_AAIE_PACK
```

## 5 Install the Oracle Financial Services Analytical Applications Infrastructure Extension Pack

To install the Oracle Financial Services Analytical Applications Infrastructure Extension Pack, follow these steps:

1. Log in to the system where you extracted the pack.
2. Execute the UNIX user `.profile` file.
3. Navigate to the `OFS_AAIE_PACK` directory.
4. Execute the `./OFSAAI_AAI_Extn_Pack.sh` command in the console to install the pack.
5. The installer proceeds with Pre-installation Checks.

Check if the pack is applied successfully. Contact [My Oracle Support](#) in case of any errors.

6. Restart all the OFSAAI services. For more information, see the Starting or Stopping Infrastructure Services section in the [Oracle Financial Services Analytical Applications Infrastructure Installation & Configuration Guide 8.1.0.0.0](#).

### 5.1 Verify the Log File Information

You can verify the installation by checking the log files generated in the `OFS_AAIE_PACK/logs` directory. You can ignore the Error Code `ORA-00001` in the log file.

For any other error, contact [My Oracle Support](#).

## 6 **Related Documents for Oracle Financial Services Analytical Applications Infrastructure Extension Pack features**

You can see the following documents to know more about the Oracle Financial Services Analytical Applications Infrastructure Extension Pack features:

- [Distributed Processing Capabilities](#)
- [Analytic Pipeline and Process models](#)
- [Process Modeling Framework](#)
- [Attribution Analysis](#)
- [Content Management Interoperability Services](#)

## OFSAA Support

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

## Send Us Your Comments

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- Is the information clearly presented?
- Do you need more information? If so, where?
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