Oracle® Financial Services Profitability Management

Installation Guide

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Oracle Financial Services Profitability Management Installation Guide, Release 8.1.2.2.0

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Preface

This section provides information about the Oracle Financial Services Profitability Management Pack (OFS PAM Pack).

You can find the latest copy of this document in the OHC Documentation Library which includes all the recent additions or revisions (if any) done to date.

Before you begin the installation, ensure that you have access to My Oracle Support with the required login credentials to quickly notify us of any issues at any stage.

Topics:

- Audience
- Access to Oracle Support
- Related Documents
- Additional Documents to Read
- Conventions
- Abbreviations

1.1 Audience

Profitability Management Pack (OFS PAM Pack) Installation Guide is intended for administrators and implementation consultants who handle installing and maintaining the application pack components.

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

- Profitability Management Pack (OFS PAM Pack) components
- OFSAA architecture
- UNIX commands
- Database concepts
- Web server or web application server

1.2 Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For more information, visit My Oracle Support or visit Oracle Accessibility Learning and Support if you are hearing impaired.

1.3 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.

1.4 Additional Documents to Read

Oracle Financial Services Profitability Management Application is built on the Oracle Financial Services Advanced Analytical Applications Infrastructure (OFS AAI).

See the following OFS AAI Documents (OHC Documentation Library) as no separate documents are required at the pack or application level for Oracle Financial Services Balance Sheet Planning Application Pack:

- OFS Analytical Applications Infrastructure (OFS AAAI) Application Pack Installation and Configuration Guide Release 8.1.2.0.0
- OFS Analytical Applications Infrastructure Administration Guide Release 8.1.x
- OFS Analytical Applications Infrastructure Cloning Reference Guide Release 8.1.x
- OFS Analytical Applications Infrastructure Security Guide Release 8.1.x
- OFS Analytical Applications Infrastructure User Guide Release 8.1.2.0.0

You can access the common document from the OHC Documentation Library:

- OFS Analytical Applications 8.1.2.0.0 Technology Matrix
- OFS Data Model Utilities Guide
- OFS Cash Flow Engine Reference Guide

1.5 Conventions

The following text conventions are used in this document:

Table 1-1   Conventions Used in this Guide

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action or terms defined in text or the glossary.
italic	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.
Hyperlink	Hyperlink type indicates the links to external websites, internal document links to sections.

1.6 Abbreviations

The following table lists the abbreviations used in this document:

Abbreviation	Meaning
BDP	Big Data Processing
DBA	Database Administrator
DDL	Data Definition Language
DEFQ	Data Entry Forms and Queries
DML	Data Manipulation Language
EAR	Enterprise Archive
EJB	Enterprise JavaBean
ERM	Enterprise Resource Management
FTP	File Transfer Protocol
HDFS	Hadoop Distributed File System
HTTPS	Hypertext Transfer Protocol Secure
J2C	J2EE Connector
J2EE	Java 2 Enterprise Edition
JCE	Java Cryptography Extension
JDBC	Java Database Connectivity
JDK	Java Development Kit
JNDI	Java Naming and Directory Interface
JRE	Java Runtime Environment
JVM	Java Virtual Machine
LDAP	Lightweight Directory Access Protocol
LHS	Left Hand Side
MFA	Multi-Factor Authentication
MOS	My Oracle Support
OFSAA	Oracle Financial Services Analytical Applications
OFSAAI	Oracle Financial Services Analytical Application Infrastructure
OFSAAAI	Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack
OHC	Oracle Help Center
OLAP	On-Line Analytical Processing
OLH	Oracle Loader for Hadoop
ORAAH	Oracle R Advanced Analytics for Hadoop
OS	Operating System
RAM	Random Access Memory
RDBMS	Relational Database Management System
RHEL	Red Hat Enterprise Linux
SFTP	Secure File Transfer Protocol
SID	System Identifier
SSL	Secure Sockets Layer
TNS	Transparent Network Substrate
URL	Uniform Resource Locator
VM	Virtual Machine
WAR	Web Archive
XML	Extensible Markup Language

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Profitability Management Pack (OFS PAM Pack) Release v8.1.2.2.0

This ML release of Profitability Management Pack (OFS PAM Pack) can be installed on a setup with any Profitability Management Pack (OFS PAM Pack) Release v8.1.2.0.0.

2.1 Pre-installation Requirements

Ensure that the following prerequisites are present before you install this Maintenance Release:

- The minimum patch level installed must be OFS PAM Release 8.1.2.0.0.

> **Note:**
>
> 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 in the OFS Analytical Applications Infrastructure Administration and Configuration Guide available at OHC Documentaion Library.

- The unlimited cryptographic policy for Java is enabled during the installation of OFS PAM 8.1.2.0.0. For more information, see the *Enabling Unlimited Cryptographic Policy* section in the available at OHC Documentaion Library.

2.2 Installing this Release

Ensure that you install all the Oracle Enterprise Performance Management application packs on a single infodom.

To install this release patch, follow these steps:

1. Log in to My Oracle Support and search for **34861418** under the Patches & Updates tab.

2. Download the OFS Profitability Management 8.1.2.2.0 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, and RHEL or OEL.

3. Stop all the OFS AAI services. For more information, see *Stop the OFSAA Infrastructure services* section in the OFS AAI Installation and Configuration Guide available at OHC Documentaion Library.

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 or 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_linux`

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 extract the archive file. An example for the Linux operating system, `unzip_linux -a p34861418_81220_linux.zip`

8. Navigate to the `/OFS_PAM_PACK/appsLibConfig/conf` directory and configure the parameter UPLOAD_MODEL to 1 in the `params.conf` file.

> **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_PAM_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 log file generated in the `OFS_PAM_PACK/logs` and `OFS_PAM_PACK/OFS_PFT/logs` directory. You can ignore error codes ORA-00001 and ORA-02292 in the log file. For any other errors, 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.

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

    - Run the following command to execute the .profile file:
      ```
      . $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. Generate the application EAR or WAR file and redeploy the application onto your configured web application server. For more information on creating and deploying the

EAR or WAR file, see *Create and deploy EAR/WAR files* section in the OFS AAI Installation and Configuration Guide available at OHC Documentaion Library.

Restart all the OFSAAI services. For more information, see *Start the OFSAA Infrastructure services* section in the OFS AAI Installation and Configuration Guide available at OHC Documentaion Library.

2.2.1 Verify the Engine Version in the Log File

Allocation Engine log file and UNDO Engine log files will have the Intermediate Release (IR)/Maintenance Level (ML) release version printed for debugging purpose. This will help to verify whether the binaries are deployed as part of the installation.

A sample line from the log file is as follows:

```
"OFS_PFT Application IR/ML version - 8.1.2.2.+"
```