

OFS Profitability Applications Pack

Installation Guide

Release 8.1.0.1.0

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ORACLE
Financial Services

OFS Profitability Applications Pack Installation Guide

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Document Control

Version Number	Revision Date	Change Log
1.0	October 2020	Created the draft document to capture the OFS PFT Applications Pack 8.1.0.1.0 Maintenance Level Release installation instructions.
2.0	November 2020	Added a note with information regarding Doc ID 2724021.1.

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1 OFS PFT Application Pack Release v8.1.0.1.0

This section provides information about the Oracle Financial Services Profitability (OFS PFT) Applications 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](#)
- [Conventions](#)
- [Abbreviations](#)

1.1 Audience

OFS PFT Application 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:

- OFS PFT Applications 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 <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.

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.

- OFS Profitability Applications Pack Release Notes 8.1.0.1.0
- OFS Profitability Applications Pack Installation and Configuration Guide Release 8.1.0.0.0

- OFS Funds Transfer Pricing User Guide
- OFS Profitability Management User Guide
- OFS Enterprise Financial Performance Analytics User Guide
- OFS Institutional Performance Analytics User Guide
- OFS Retail Performance Analytics User Guide

Additional Reference Documents:

- [OFS Analytical Applications Technology Matrix](#)
- [OFS Analytical Applications Infrastructure Installation and Configuration Guide](#)

1.4 Conventions

The following text conventions are used in this document.

Table 1: Document Conventions

Convention	Meaning
boldface	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.
Hyperlink	Hyperlink type indicates the links to external websites and internal document links.

1.5 Abbreviations

The following table lists the abbreviations used in this document.

Table 2: Abbreviations

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

Abbreviation	Meaning
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

Abbreviation	Meaning
XML	Extensible Markup Language

2 OFS PFT Application Pack Release v8.1.0.1.0

OFS Profitability Applications Pack Maintenance Level (ML) release v8.1.0.1.0 includes all the bug fixes and minor enhancements since the previous Minor release v8.1.0.0.0.

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

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.

2.1 Pre-installation Requirements

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

- The minimum patch level installed must be OFS PFT Release **8.1.0.0.0**. OFS AAI 8.1.0.1.0 is automatically installed with OFS PAM Pack 8.1.0.1.0.
- The unlimited cryptographic policy for Java is enabled during the installation of OFS PFT 8.1.0.0.0. For more information, see the *Enabling Unlimited Cryptographic Policy* section in the [OFS Analytical Applications Infrastructure Administration Guide](#).

2.2 Installing this Release

NOTE

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

To install this release patch, follow these steps:

1. Log in to [My Oracle Support](#) and search for **31749970** under the Patches & Updates tab.
2. Download the OFS PFT 8.1.0.1.0 OFS PFT 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 the *Stopping Infrastructure Services* section in the [OFS Profitability Applications Pack Installation and Configuration Guide 8.1.0.0.0](#).

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


```
chmod -R 775 *
```
7. 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 8.1.0.1.0 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.

- Assign EXECUTE permission to the utility using the command:

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

For example, `chmod 751 unzip_linux`

8. 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 extract the archive file. An example for the Linux operating system,

```
unzip_linux -a p31749970_81010_linux.zip
```

9. Update the parameters in the `params.conf` file present in the `OFS_PFT_PACK/appsLibConfig/conf` directory for the following parameters.

For OFS IPA and OFS RPA applications, set the parameters `UPLOAD_MODEL=1` and `MODEL_TYPE=0`.
For OFS FTP, OFS PFT, and OFS EFPA applications, set the parameter as `UPLOAD_MODEL=0`.

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.

10. Navigate to the `OFS_PFT_PACK` directory to assign EXECUTE permission to the ML patch installer script using the command:

```
chmod 755 OFSAIUpdate.sh
```

11. Complete the patch upgrade using the command:

```
./OFSIAIUpdate.sh
```

12. Verify if the ML patch is applied successfully by checking the log file generated in the `OFS_PFT_PACK/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.

13. 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>`

14. Delete the existing EAR or WAR file available in the `$FIC_HOME/ficweb` directory.
15. Install the OFSAAIRunner package. This is an optional step and applicable only if you have installed Oracle R Enterprise Edition (ORE). For more information, see *Install the Updated OFSAAI Runner* section in [OFS AAI Installation Guide Release 8.1.0.1.0](#).
16. Generate the application EAR or WAR file and redeploy the application onto your configured web application server. For more information on generating and deploying the EAR or WAR file, see the *Post Installation Configurations* section in the [OFS Profitability Applications Pack Installation and Configuration Guide 8.1.0.0.0](#).
17. Update the `web.xml` file to allow the OBIEE Hosts to access OFSAA. To update, follow these steps:
 - a. Navigate to the `$CATALINA_HOME/webapps/ofsaa/WEB-INF/` directory and open the `web.xml` file.
 - b. Include initialization parameter for the filter class:


```
<filter-name>FilterServlet</filter-name>
<filter-class>com.iflex.fic.filters.FilterServlet</filter-class>

Include
<init-param>
<param-name>AllowHosts</param-name>
<param-value>http://<OBIEE_HOST>:<PORT></param-value>
</init-param>
```

Where:

OBIEE_HOST: fully qualified domain name of OBIEE Host

PORT: Analytics service port
18. Restart all the OFSAAI services. For more information, see the *Starting Infrastructure Services* section in the [OFS Profitability Applications Pack Installation and Configuration Guide 8.1.0.0.0](#).

3 Additional Configurations

3.1 Deploying D3 for OBIEE

For details on deploying D3 for OAS, see the following sections in the [OFS Profitability Applications Pack Installation and Configuration Guide 8.1.0.0.0](#):

- *Chapter 9 – RPD, Catalog Deployment, D3, and Map View Configuration for OAS*

OFSAA Support

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

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