

# **OFS Profitability Applications Pack**

## **Installation Guide**

**Release 8.0.7.8.0**

**August 2020**

**ORACLE**  
Financial Services

## OFS Profitability Applications Pack Installation Guide

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# Document Control

Version Number	Revision Date	Change Log
1.0	August 2020	Created the document to capture the OFS PFT Applications Pack 8.0.7.8.0 Maintenance Level Release installation instructions.

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# 1 Preface

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](#)
- [How this Guide is Organized](#)
- [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 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 Installation and Configuration Guide Release 8.0.7.0.0](#)
- [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](#)
- [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
<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.
<a href="#">Hyperlink</a>	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

Abbreviation	Meaning
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

Abbreviation	Meaning
URL	Uniform Resource Locator
VM	Virtual Machine
WAR	Web Archive
XML	Extensible Markup Language



## 2 OFS PFT Application Pack Release v8.0.7.8.0

This Maintenance Level (ML) release of OFS PFT Applications Pack can be installed on a setup with any Oracle Financial Services Profitability (OFS PFT) v8.0.7.0.0 and above versions of the Application Pack.

The OFS PFT Applications Pack v8.0.7.8.x release is compatible with WebLogic 12.2.x and does not support WebLogic 12.1.3. If the WebLogic version is 12.1.3, upgrade to WebLogic 12.2.x.

The OFS PFT Applications Pack v8.0.7.8.x release supports Oracle Database Release 19c in addition to the continued support on Oracle Database Release 12c.

### 2.1 Prerequisites

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

- The minimum patch level installed must be OFS PFT Release **8.0.7.0.0**. (Patch ID: **29021351**)
- The unlimited cryptographic policy for Java is enabled during the installation of OFS PFT 8.0.7.0.0. For more information, see the *Enabling Unlimited Cryptographic Policy* section in the [OFS Analytical Applications Infrastructure Administration Guide](#).
- It is mandatory to install the OFSAAI 8.0.7.8.0 ML only on Java 8 with JCE enabled. Therefore, configure the Java version of the following to Java 8 with JCE enabled.
  - OFSAA Processing Tier (where the ML will be installed)
  - Web server (Tomcat/WebSphere/WebLogic)

#### NOTE

To upgrade Java 7 to Java 8 in an existing OFSAA 8.0.7.x.x instance, see *Appendix H* in the [OFS Profitability Applications pack Installation and Configuration Guide 8.0.7.0.0](#).

### 2.2 Installing this Release

To install this release patch, follow these steps:

1. Log in to [My Oracle Support](#) and search for **34394203** under the Patches & Updates tab.
2. Download the OFS PFT 8.0.7.8.0 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 AIX, 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 8.0.7.0.0](#).
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 8.0.7.8.0 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_aix`

7. Extract the contents of the 8.0.7.8.0 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 above “-a” option is mandatory to extract the archive file. An example for the AIX operating system,

```
unzip_aix -a p34041048_80786_AIX64.zip
```

8. Update the parameters in the `params.conf` file present in the `OFS_PFT_PACK/OFS_PFT/conf` directory for the following parameters:

```
UPLOAD_MODEL=0
```

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

```
chmod 755 OFSAAIUpdate.sh
```

**NOTE** In case you are installing this ML release on the AIX server, then navigate to `$FIC_HOME/ficdb/bin/pft` directory and rename all the files that have `.a` extension to a different name.

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_PFT_PACK/OFS_PFT/conf` 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 generating and deploying the EAR or WAR file, see the *Post Installation Configurations* section in the [Oracle Financial Services Profitability Applications Pack Installation and Configuration Guide](#).
15. 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/ofsa/WEB-INF/` directory and open the `web.xml` file.
- b. Include initialization parameter for 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

- 16.** Restart all the OFSAI services. For more information, see the *Starting Infrastructure Services* section in the [Oracle Financial Services Profitability Applications Pack Installation and Configuration Guide](#).

## 3 Additional Configurations

### 3.1 Deploying D3 for OBIEE

For details on deploying D3 for OBIEE, see the following sections in the [OFS Profitability Management Applications Pack Installation and Configuration Guide, Release 8.0.7.0.0](#):

- *Chapter 7 – RPD, Catalog Deployment, D3, and Map View Configuration for OBIEE 11g*
- *Chapter 8 – RPD, Catalog Deployment, D3, and Map View Configuration for OBIEE 12c*

## OFSAA Support

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

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