

OFS Price Creation and Discovery

Installation Guide

Release 8.0.7.4.0

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ORACLE
Financial Services

OFS Price Creation and Discovery Application Pack Installation Guide

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Document Control

Version Number	Revision Date	Change Log
1.0	September 2020	Created the document to capture the OFS PCD Applications Pack 8.0.7.4.0 Maintenance Level Release installation instructions.

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1 OFS Price Creation and Discovery Application Pack Release v8.0.7.4.0

This section provides information about the Oracle Financial Services Price Creation and Discovery (OFS PCD) 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 PCD 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 PCD Applications pack components
- OFSAA architecture
- UNIX commands
- Database concepts
- Web server or web application server

1.2 How this Guide is Organized

The Installation Guide is organized into the following sections:

- [OFS PCD Application Pack Release v8.0.7.4.0](#)
- [Pre-installation Requirements](#)
- [Installing this Release](#)
- [Additional Configurations](#)

1.3 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.

1.4 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 Price Creation and Discovery Release Notes 8.0.7.4.0](#)
- [OFS Price Creation and Discovery User Guide 8.0.7.0.0](#)

Additional Documents to Read:

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

1.5 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.
<code>monospace</code>	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.

1.6 Abbreviations

The following table lists the abbreviations used in this document.

Table 2: Abbreviations

Abbreviation	Meaning
BDP	Big Data Processing
DBA	Database Administrator

Abbreviation	Meaning
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

Abbreviation	Meaning
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

2 OFS PCD Application Pack Release v8.0.7.4.0

OFS Price Creation and Discovery Application Pack Installation Guide Maintenance Level (ML) release v8.0.7.4.0 includes all the bug fixes and minor enhancements since the previous Minor release v8.0.7.0.0.

This ML release of OFS PCD Applications Pack can be installed on a setup with any Oracle Financial Services Profitability (OFS PCD) v8.0.7.0.0 Application Pack.

The OFS PCD Applications Pack v8.0.7.4.x release supports Oracle Database Release 19c in addition to the continued support on Oracle Database Release 12c.

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 PCD Release v**8.0.7.0.0**.
- The unlimited cryptographic policy for Java is enabled during the installation of OFS PCD 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 OFS PCD v8.0.7.4.0 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, or WebLogic)

NOTE

To upgrade Java 7 to Java 8 in an existing OFSAA v8.0.7.x.x instance, see *Appendix H* in the [OFS Price Creation and Discovery Application 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 **31863110** under the Patches & Updates tab.
2. Download the OFS PCD 8.0.7.4.0 OFS PCD 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 Price Creation and Discovery Application 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 v8.0.7.4.0 ML.

- Uncompress the unzip installer file using the command:

```
unzip -a OFS_PM_8.0.7.4.0_<OS>.zip
```

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 v8.0.7.4.0 ML archive file using one of the following commands:

```
unzip_<os> -a OFS_PM_8.0.7.4.0
```

Or

```
unzip -a OFS_PM_8.0.7.4.0_<OS>
```

NOTE The above “-a” option is mandatory to extract the archive file. An example of the AIX operating system, `unzip_aix -a p30782598_80740_AIX64.zip`

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

```
UPLOAD_MODEL=0
```

9. Navigate to the `OFS_PM_PACK/OFSAAI/` 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_PM_PACK/OFS_PM/conf` directory. You can ignore error codes ORA-00001 and ORA-02292 in the log file. You can also ignore the errors *“Object already exists”* and *“Table already has a referential constraint with the same name”*.

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

NOTE

For an upgrade on Hive Infodomain, 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. 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 8.0.7.4.0](#).

15. 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 Price Creation and Discovery Application pack Installation and Configuration Guide 8.0.7.0.0](#).

16. Restart all the OFSAAI services. For more information, see the *Starting Infrastructure Services* section in the [OFS Price Creation and Discovery Application pack Installation and Configuration Guide 8.0.7.0.0](#).

TIP

When you install PCD 80700, PCD 80740, PFT Pack 80700, and PFT PACK 80740, some integrity constraint errors will be present in PFT 807 Installation. You can ignore these errors.

3 Appendix: Post-installation Changes

The following steps are required if you want to test the OFS FTP Integration with OFS PCD.

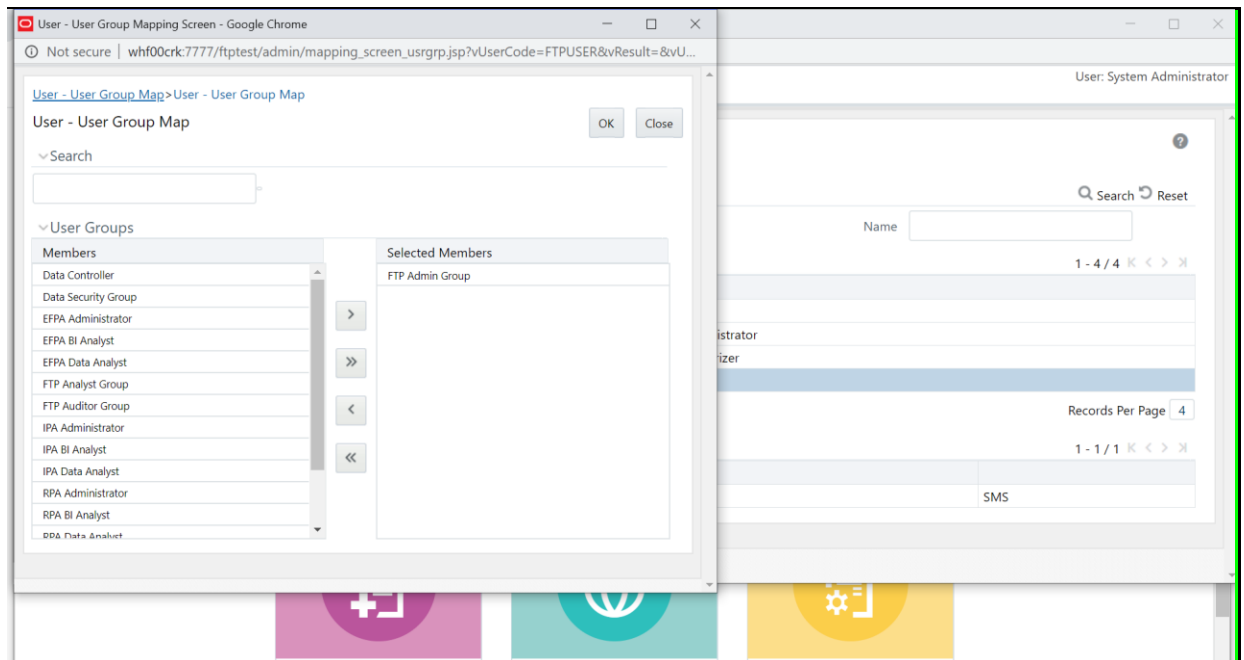
OFS PFT Pack v8.0.7.4.0 Maintenance Level Release is mandatory for this integration.

Step 1: Enable the Default RM Icon in the Application Preferences screen:

Update the parameter `DEFAULT_RELATIONSHIP_MANAGER = 'Y'` in the backend table `REV_APP_PREFERENCES_METADATA`.

Step 2: Deploy war and test data execution:

- Create a new user by logging in as sysadm and authorize using sysauth user in the OFS FTP Client.
- Map the FTP admin group to the new user and authorize using sysauth user in the OFS FTP Client.



- Navigate to the deployed path `/WEB-INF/classes` folder and update the Infodom name and userId for OFS FTP in the `ofsaaws.properties` file.

Path example: `/scratch/pmuser/apache-tomcat-8.5.31/webapps/ofsaapcd/WEB-INF/classes`

```
infodom=OFSPFTINFO
userId=pftuser
pollFrequency=1000
pollIterations=3
Instrument_tables=210,230~FSI_D
```

- After this configuration, restart the tomcat server.

- Execute the products and IRC files in FTP atomic schema.

NOTE

This step is required only if the data in the FTP setup and PCD setup is not the same, that is the underlying database for both the applications is different.

- If FTP OFSAA instance is present in a different Host, add the following entry in the `web.xml` file present in the `$CATALINA_HOME/webapps/<FTP context>/web-inf/web.xml` directory.

```
<filter>
    <filter-name>FilterServlet</filter-name>
    <filter-class>com.iflex.fic.filters.FilterServlet</filter-class>
    <init-param>
        <param-name>AllowOrigin</param-name>
        <param-value>http://<PCD_HOST_NAME>:<PORT></param-value>
    </init-param>
</filter>
```

Example:

```
<filter>
    <filter-name>FilterServlet</filter-name>
    <filter-class>com.iflex.fic.filters.FilterServlet</filter-class>
    <init-param>
        <param-name>AllowOrigin</param-name>
        <param-value>http://whf00crk:8080</param-value>
    </init-param>
</filter>
```

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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