

Oracle Financial Services Data Integration Application Pack

Installation Guide

Release 8.0.7.2.0

May 2022



Oracle Financial Services Data Integration Application Pack Installation Guide

Copyright © 2022 Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are “commercial computer software” pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

For information on third party licenses, click [here](#).

Document Control

Version Number	Revision Date	Change Log
1.1	May 2022	Updated the Installing OFS DI and Post Installation Steps Sections (Doc 34183705).
1.0	October 2019	Created the document for the OFS DIH Release 8.0.7.2.0.

Table of Contents

- 1 Preface.....5**
 - 1.1 Audience 5
 - 1.2 Prerequisites for the Audience 5
 - 1.3 How this Guide is Organized..... 5
 - 1.4 Recommended Environment..... 5
 - 1.5 Related Documents..... 6
 - 1.6 Conventions and Acronyms 6
- 2 OFS DI Application Pack Release 8.0.7.2.0.....7**
 - 2.1 Pre Installation Requirements 7
 - 2.2 How to Apply This Minor Release? 7
 - 2.2.1 *Installing OFS DI* 7
 - 2.2.2 *Post Installation Steps*..... 8

1 Preface

This document provides step-by-step instructions to install the Oracle Financial Services Data Integration (OFS DI) Application Pack 8.0.7.2.0 Maintenance Release.

This chapter discusses the following topics:

- [Audience](#)
- [How this Guide is organized](#)
- [Recommended Environment](#)
- [Related Documents](#)
- [Conventions Used](#)

1.1 Audience

Oracle Financial Services Data Integration (OFS DI) Applications Pack Installation Guide is intended for administrators and implementation consultants who are responsible for installing and maintaining the application pack components.

1.2 Prerequisites for the Audience

The document assumes that you have experience in installing Enterprise components and basic knowledge about the following is recommended.

The following are the expected preparations from the administrator before starting the actual installation:

- Oracle Financial Services Advanced Analytical Applications Infrastructure pack components
- OFSAA Architecture
- UNIX Commands
- Database Concepts
- Web Server/ Web Application Server
- Oracle Data Integrator

1.3 How this Guide is Organized

The Oracle Financial Services Data Integration Application Pack Installation Guide includes the following topics:

- [OFS DI Application Pack Release 8.0.7.2.0](#)

1.4 Recommended Environment

Infrastructure application has been tested with Microsoft Internet Explorer™ browser. For best viewing of Infrastructure pages, set the screen resolution to a minimum resolution of 1024 x 768 pixels.

1.5 Related Documents

For more information, refer to the Oracle Financial Services Data Integration Application Pack 8.0.7.2.0 documents available in [OHC Documentation Library](#).

- Oracle Financial Services Data Integration Release 8.0.7.0.0 User Guide
- Oracle Financial Services Analytical Applications Infrastructure User Guide ([OHC Documentation Library](#)).
- Oracle Financial Services Analytical Applications Infrastructure Installation Guide ([OHC Documentation Library](#)).

1.6 Conventions and Acronyms

Conventions	Description
Actions are indicated in Bold. Command or query is indicated in Courier New font.	
AIX	Advanced Interactive Executive
OFSAAI	Oracle Financial Services Analytical Applications Infrastructure
OFS AAAI	Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack
OFS DI	Oracle Financial Services Data Integration Application Pack
RHEL	Red Hat Enterprise Linux
IR	Minor Release
ML	Maintenance Level
Atomic Schema	Database schema where the application data model is uploaded.
Config Schema	Database schema which contains setup related configurations and metadata.

2 OFS DI Application Pack Release 8.0.7.2.0

This Maintenance Release of OFS DI Application Pack is cumulative and includes all enhancements and bug fixes done since the OFS DI Application Pack v8.0.7 General Availability (GA) release.

2.1 Pre Installation Requirements

You should have OFS DI pack 8.0.7.0.0 GA as the minimum patch set level.

NOTE See the [Technology Matrix](#), for Hardware and Software Requirements.

2.2 How to Apply This Minor Release?

2.2.1 Installing OFS DI

Refer to the following instructions to download, extract, install, and configure this ML Release.

1. Login to [My Oracle Support](#) and search for Bug# **30268362** under the Patches & Updates Tab.
2. Download the OFS DI Application Pack v8.0.7.2.0 ML 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/OEL.

3. Search for the **34043598** Mandatory Patch and download it from [My Oracle Support](#).
4. Log in to the OFSAA Server.
5. Shut down all the OFS DI Services.

For more information, refer to the **Start/Stop. Infrastructure Services** Section in Oracle Financial Services Data Integration Installation Manual Release 8.0.7 in [OHC](#) documentation library.

6. Execute the following command:

```
chmod -R 750 $FIC_HOME
```
7. If you have Unzip utility, skip to the next step. Download the Unzip utility (OS specific) **unzip_<os>.Z** from the location <https://updates.oracle.com/unzips/unzips.html> 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 8.0.7.2.0 ML.
8. Uncompress the unzip installer file using the command:

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

NOTE

In case you notice an error message “**uncompress: not found [No such file or directory]**” when the package is not installed, contact your UNIX Administrator.

9. Give EXECUTE permission to the file using the command:

```
chmod 751 OFSDI_8.0.7.2.0_<OperatingSystem>.zip.
```

10. Extract the contents of the 8.0.7.2.0ML archive file using the command:

```
unzip_<os> -a <name of the file to be unzipped>
```

NOTE

Rename or remove the existing OFSAA Application Pack folder from the OFSAA Server before extracting the contents from the release archive (.zip). For example: For this release when extracted from the archive creates a folder with the name OFS_DI_PACK. Rename or remove if a folder with the same name exists in the path where the release archive is copied.

NOTE

The above “-a” option is mandatory to unzip the archive file. For example: `unzip_aix -a OFSDI_8.0.7.2.0_<OperatingSystem>.zip`

11. Give EXECUTE permission to the ML Release Archive File. Navigate to the path where OFSDI_8.0.7.2.0_<OperatingSystem>.zip is extracted and execute the following command:

```
chmod 750 OFSAAIUpdate.sh
```

12. Execute **OFSAAIUpdate.sh** file using the following command.

```
./OFSAAIUpdate.sh
```

Verify if the ML is applied successfully by checking the log file generated in the installation folder. Logs can be found in /OFS_DI_PACK/logs and /OFS_DI_PACK/OFS_DI/logs folder (If AAI is already upgraded to 8.0.7.0.0 before this installation as part of other pack installations, there would be no logs under /OFS_DI_PACK/logs). You can ignore ORA-00001, ORA-00955, ORA-02260, ORA-01031, and ORA-01430 errors in the log file. In case of any other errors, contact Oracle Support.

For more information on securing your OFSAA Infrastructure, refer to the Security Guide in [OHC Library](#).

13. Add umask 0027 in the .profile of the UNIX Account which manages the WEB Server to ensure restricted access permissions.
14. After the successful installation of the ML, restart all the OFSAAI Services.

For more information, refer to the Start/Stop Infrastructure Services Section in Oracle Financial Services Data Integration Installation Manual Release 8.0.7 in [OHC Library](#).

2.2.2 Post Installation Steps

Perform the following post-installation steps:

NOTE

In case this installer is applied in an environment where:

- Data Foundation or another OFSAA Application of version 8.0.7 is already installed, you must apply patch **30170141** post-installation.
- Data Foundation or another OFSAA Application of version 8.0.8 or higher is already installed, you must apply patch **30432466** post-installation.

1. Unpublish all the connectors in DIH.
2. Delete all the existing Knowledge Modules from the existing project in ODI.
3. Import the following Knowledge modules and procedure to ODI.
 - KM_IKM_Hive_Control_Append.xml
 - KM_IKM_MultiFiles_to_Oracle__SQLLDR_with_EBCDIC__Direct_Target.xml
 - KM_IKM_MultiFiles_to_Oracle__SQLLDR__Direct_Target.xml
 - KM_IKM_Oracle_Extract.xml
 - KM_IKM_Oracle_Insert_Only.xml
 - KM_IKM_Oracle_Insert_Only__Ext_Tab_and_DB_.xml
 - KM_IKM_Oracle_Multi_Table_Insert_NonDirect.xml
 - KM_IKM_Oracle_Multi_Table_Insert_NonDirect__Ext_Tab_and_DB_.xml
 - KM_IKM_Oracle_Multi_Table_Insert__SQLLDR_with_EBCDIC__Direct_Target.xml
 - KM_IKM_Oracle_Multi_Table_Insert__SQLLDR__Direct_Target.xml
 - KM_IKM_SQL_to_File_Append.xml
 - KM_LKM_File_Hive_to_Oracle_Multi_Insert__OLH_.xml
 - KM_LKM_File_Hive_to_Oracle__OLH_.xml
 - KM_LKM_File_to_SQL.xml
 - KM_LKM_Hive_to_Oracle__Big_Data_SQL_.xml
 - KM_LKM_MultiFiles_to_Hive__EXTERNAL_TABLE_.xml
 - KM_LKM_MultiFiles_to_Oracle_Multi_Insert__EXTERNAL_TABLE_.xml
 - KM_LKM_MultiFiles_to_Oracle_Multi_Insert__SQLLDR_.xml
 - KM_LKM_MultiFiles_to_Oracle_Multi_Insert__SQLLDR_with_EBCDIC_.xml
 - KM_LKM_MultiFiles_to_Oracle__EXTERNAL_TABLE_.xml
 - KM_LKM_MultiFiles_to_Oracle__SQLLDR_.xml
 - KM_LKM_MultiFiles_to_Oracle__SQLLDR_with_EBCDIC_.xml
 - KM_LKM_Oracle_to_Oracle_Datapump__DBLINK_.xml
 - KM_LKM_Oracle_to_Oracle_Multi_Insert__DBLINK_No_Source_View_.xml

- KM_LKM_Oracle_to_Oracle__DBLINK_No_Source_View__.xml
- KM_LKM_SQL_to_Oracle.xml
- KM_LKM_SQL_to_SQL.xml
- KM_LKM_XML_to_Oracle.xml
- KM_LKM_XML_to_Oracle_Multi_Table_Insert.xml

NOTE Obtain the above XMLs from:
\$FIC_HOME/KM_Files.

- IKM File-Hive to Oracle (OLH-OSCH)
- CKM Oracle
- IKM XML Control Append

NOTE Obtain the above XMLs from:
<ODI_HOME>/odi/sdk/xml-reference.

4. After successful installation of ML, perform these steps:
 - Clear the application cache. Navigate to the following path depending on the configured web application server and delete the files.
 - **WebLogic:** <Weblogic installation location>/domains/<Domain name>/servers/<Server name>/tmp/_WL_user/<Application name>/<auto generated folder>/jsp_servlet
 - **WebSphere:** <Websphere installation directory>/AppServer/profiles/<Profile name>/temp/<Node name>/server1/<Application name>/<.war file name>
5. Delete the existing EAR/WAR File in the \$FIC_HOME/ficweb Directory.
6. Apply the **34043598** Mandatory Patch.
See the Readme that is packaged with the patch for further instructions on how to install and apply it.
7. Delete the following Log4j 1.x JARs:
 - log4j-1.2.16.jar in the \$FIC_HOME/ext/lib/ Directory Path.
 - log4j-1.2.8.jar in the \$FIC_HOME/odi_lib/1221/ Directory Path.
 - log4j-1.2.8.jar in the \$FIC_HOME/odi_lib/1213/ Directory Path.
 - log4j-1.2.16.jar in the \$FIC_HOME/odi_lib/122126/ Directory Path.
 - log4j-1.2.16.jar in the \$FIC_HOME/ficweb/webroot/WEB-INF/lib/ Directory Path.
8. Restart all the OFS DI Services.

For more information, see the **Appendix D: Starting and Stopping Infrastructure Services** Section in the [Oracle Financial Services Data Integration Application Pack Installation Guide](#).

9. Generate the application EAR/WAR file and redeploy the application onto your configured Web Application Server.

For more information on generating and deploying EAR / WAR file, refer to the Post Installation Configuration section in Oracle Financial Services Data Integration Installation Manual Release 8.0.7 in [OHC](#) documentation library.

10. Log in to the application. Select the **Application Data Integration Hub**. Navigate to **Administration->Settings** and re-save the ODI details again. Refer the section 4.1.1 in the Oracle Financial Services Data Integration User Guide available on the [OHC](#) documentation library for details on Editing the Settings.

OFSAAI Support Contact Details

- Contact Infrastructure support at <https://flexsupp.oracle.com> if you have installed ERM and FCCM Applications.
- Raise an SR in <https://support.oracle.com> if you have any queries related to EPM Applications.

Send Us Your Comments

Oracle welcomes your comments and suggestions on the quality and usefulness of this publication. Your input is an important part of the information used for revision.

- Did you find any errors?
- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
- What features did you like most about this manual?

If you find any errors or have any other suggestions for improvement, indicate the title and part number of the documentation along with the chapter/section/page number (if available) and contact the Oracle Support.

Before sending us your comments, you might like to ensure that you have the latest version of the document wherein any of your concerns have already been addressed. You can access My Oracle Support site which has all the revised/recently released documents.

