

# **Oracle Financial Services Data Integration Application Pack**

## **Installation Guide**

**Release 8.1.1.1.0**

**December 2021**

**ORACLE**  
Financial Services

## OFS Data Integration Application Pack Installation Guide

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# Document Control

Version Number	Revision Date	Change Log
01	June 2021	Created the document with instructions for the installation of the Oracle Data Integration Release 8.1.1.1.0.

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# 1 Preface

This section provides supporting information for the Oracle Financial Services Data Integration (OFS DI) Installation Guide.

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 [Oracle Support](#) with the required login credentials to quickly notify us of any issue at any stage.

## 1.1 Intended 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.

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

- Oracle Financial Services Advanced Analytical Applications Infrastructure pack components
- OFSAA architecture
- UNIX commands
- Database concepts
- Web Server or Web Application Server
- Oracle Data Integrator

## 1.2 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.

- [OHC Documentation Library](#) for **OFS Data Integration**:
  - *OFS Data Integration Hub User Guide Release*
  - *Oracle Financial Services Data Integration User Guide Release*
  - *Data Foundation Integration With Fusion Accounting Hub Cloud*
  - *Insurance Data Foundation Integration With Fusion Accounting Hub Cloud*
  - *Oracle Financial Services Analytical Application-DRM Interface User Guide Release*
  - *Oracle Financial Services Analytical Application-OBP Interface User Guide Release*
  - *Oracle Financial Services Analytical Application-FAH Interface User Guide Release*
  - *Oracle Financial Services Analytical Application-FCUBS Interface User Guide Release*
  - *Oracle Financial Services Data Integration Security Guide*

- *Oracle Financial Services Data Integration Cloning Guide*
- **OHC Documentation Library for OFS AAI Application Pack:**
  - *OFS Advanced Analytical Applications Infrastructure (OFS AAI) Application Pack Installation and Configuration Guide*
  - *OFS Analytical Applications Infrastructure User Guide*
  - *OFS Analytical Applications Infrastructure Administration Guide*
  - *Oracle Financial Services Analytical Applications Infrastructure Environment Check Utility Guide*
- **Additional documents:**
  - [OFSAA Licensing User Manual, Release 8.1.1.0.0](#)
  - [OFS DI Cloning Guide Release 8.0.x](#)
  - [OFS DI Cloning Guide Release 8.1.x](#)
  - [OFS Analytical Applications Infrastructure Security Guide](#)
  - [OFSAAI FAQ Document](#)
  - [OFS Analytical Applications 8.1.1.0.0 Technology Matrix](#)
  - [Oracle Financial Services Analytical Applications Infrastructure Cloning Guide](#)

## 1.3 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.

## 1.4 Abbreviations

The following table lists the abbreviations used in this document.

**Table 2: Abbreviations**

Conventions	Description
<b>Actions are indicated in Bold. Command or query is indicated in Courier New font.</b>	
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 Data Integration Application Pack Release 8.1.1.0

This Maintenance Release of OFS Data Integration (DI) Application Pack includes all enhancements and bug fixes since the OFS DI Application Pack v8.1.1.0.0 Major release.

### 2.1 Pre-Installation Requirements

The minimum patch set level must be OFS Data Integration (DI) Application Pack v8.1.1.0.0.

**NOTE** See the [OFS Analytical Applications Technology Matrix](#), for hardware and software requirements.

### 2.2 Installing this Maintenance Level Release

To install this ML release, follow these steps:

1. Log in to [My Oracle Support](#), and search for patch ID **32939363** under the **Patches and Updates** tab.
2. Download the `OFSDI_8.1.1.1.0_<OperatingSystem>.zip` archive file and copy it to your OFSAA server in Binary mode.

**NOTE** The archive files are different for different operating systems such as Solaris, and RHEL/Oracle Linux.

3. Shut down all the OFSAAI Services.  
For more information, see the [Start](#) or [Stop](#) Infrastructure Services.
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. Navigate to `$OFSAA_HOME/ficdb/bin` path to shut down DIH Service and execute the following command:

```
StopDIHws.sh
```

6. Login to the OFSAA server with the user credentials that were used to install OFS DI.
7. Extract the contents of the OFS DI Application Pack v8.1.1.0 in the Download Directory installer archive file using the following command:

```
Unzip -a OFSDI_8.1.1.1.0_<OperatingSystem>.zip
```



**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 a folder with the name `OFS_DI_PACK`. Is created. Rename or remove if a folder with the same name already exists in the path where the release archive is copied.

8. Give EXECUTE permission to the installer file.
9. Navigate to the path where `OFSDI_8.1.1.1.0_<OperatingSystem>.zip` is extracted and execute the following command:

```
chmod 750 OFSAAIUpdate.sh
```

10. Execute the following software upgrade command:

```
./OFSAAIUpdate.sh
```

11. Verify that the maintenance level release is applied successfully by checking the following log files generated in the installation folder:

```
/OFS_DI_PACK/logs and /OFS_DI_PACK/OFS_DIH/logs folder.
```

12. You can ignore the following errors in the log files:

ORA-00001, ORA-00955, ORA-02260, ORA-01031, and ORA-01430 errors in the log file.

In case of any other error in the log file, contact My Oracle Support.

## 2.2.1 Post Installation Steps

Follow these post-installation steps:

1. After successful installation, perform these steps:
  - a. 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>
```
2. Apply the **33663417** Mandatory Patch.
 

See the Readme that is packaged with the patch for further instructions on how to install and apply it.
3. Generate the application EAR or WAR file and redeploy the application on your configured Web Application Server.
 

For more information, see [Create and Deploy the EAR or WAR Files](#).

4. Start all the OFSAAI services.  
For more information, see the [Start](#) or [Stop](#) Infrastructure Services.
5. Start DIH Service. see the [Start](#) DIH Service.
6. Unpublish all the connectors in DIH.
7. Delete all the existing Knowledge Modules from the project in ODI.
8. Import the following Knowledge Modules and Procedures 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\_Hive\_to\_Hive.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

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**NOTE** Obtain the above XMLs from:  
\$FIC\_HOME/ODI/Knowledge\_Modules.

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

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**NOTE** Obtain the above XMLs from:  
<ODI\_HOME>/odi/sdk/xml-reference.

## 3 Frequently Asked Questions (FAQs) and Error Dictionary

For General FAQs and installation error-related information, see the following sections:

[Frequently Asked Questions \(FAQs\) and Error Dictionary](#) in the [OFS AAAI Installation and Configuration Guide](#).

### 3.1 DIH Application Pack FAQ

How do I upgrade the Java version to JDK 11?

See the [Update the OFSAA 8.1.1.x Java 8 Instance to Java 11](#) section in the [OFS AAAI Installation and Configuration Guide](#).

## OFSAA Support

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

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