

Oracle Financial Services Data Foundation Application Pack

Installation Guide

Version 8.0.3.1.0



Introduction

This document includes the necessary instructions to apply 8.0.3.1.0 Maintenance Release for Oracle Financial Services Data Foundation (OFSDF) Application Pack and perform the required post install configurations. You can find the latest copy of this document in [OTN](#).

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Preface

This document provides step-by-step instructions to install the Oracle Financial Services Data Foundation (OFSDF) Application Pack 8.0.3.1.0 Maintenance Release.

This chapter discusses the following topics:

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

Audience

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

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

How this Guide is Organized

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

- [OFSDF Application Pack Release 8.0.3.1.0](#)
- [Appendix A](#)

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.

Related Documents

For more information, refer the Oracle Financial Services Data Foundation Application Pack 8.0.3.0.0 documents available in [OTN](#).

- Oracle Financial Services Data Foundation Release 8.0.3.0.0 User Guide
- Oracle Financial Services Analytical Applications Infrastructure User Guide ([OTN library](#))
- Oracle Financial Services Analytical Applications Infrastructure Installation Guide ([OTN library](#))

Conventions and Acronyms

| Conventions | Description |
|--|--|
| Actions are indicated in Bold . | |
| Command or query is indicated in <code>Courier New font</code> . | |
| AIX | Advanced Interactive eXecutive |
| OFSAAI | Oracle Financial Services Analytical Applications Infrastructure |
| OFS AAI | Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack |
| OFSDF | Oracle Financial Services Data Foundation 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. |

1 OFSDF Application Pack Release 8.0.3.1.0

This Maintenance Release of OFSDF Application Pack is cumulative and includes all enhancements and bug fixes done since the OFSDF Application Pack v8.0.3 General Availability (GA) release. For more information, refer the Oracle Financial Services Data Foundation Application Pack Installation Manual Release 8.0.3.1.0 in the [OTN](#).

1.1 Pre Installation Requirements

- You should have OFSDF pack 8.0.3.0.0 GA as the minimum patch set level.

NOTE: You can refer to [Technology Matrix](#), for Hardware and Software Requirements.

1.2 How to Apply This Maintenance Release?

1.2.1 Pre Installation Activities

1.2.1.1 Model Upload Parameter

The configuration file (`Params.conf`) should be updated before triggering the installation. `Params.conf` file is available in the path `/OFS_BFND_PACK/OFS_BFND/conf`

Following are the input parameters for `Params.conf` file:

Model Upload Process: Input values required are 0/1

- **0** indicates Skip Model upload process
- **1** indicates Trigger Model Upload

If the value is **1**, then next option is to select the option of type of Model upload:

- **0** indicates Released Data Model
- **1** indicates Customized Data Model

If the value is **1**, then provide the inputs for Data Model name and the path of Data Model.

NOTE: If you have selected Released Data Model, model upload will be performed during installation. While upgrading from 8.0.3 to 8.0.3.1.0, in case the model upload fails due to any database issues, run the script file `OFS_BFND_Rollback.sql`, which is available at the path: `/OFS_BFND_PACK/OFS_BFND/Rollback/` manually in atomic schema before retriggering the installer.

1.2.2 Installing OFSDF

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

1. Login to <https://support.oracle.com/> and search for **Bug# 25260082** under the *Patches & Updates* tab.
2. Download the OFSDF Application Pack v8.0.3.1.0 ML archive file and copy it to your OFSAA server in **Binary** mode.

NOTE: The archive files are different for every operating system like AIX, Solaris, and RHEL/Oracle Linux.

3. Log in to the OFSAA Server.
4. Shut down all the OFSDF Services. For more information, refer to the **Start/Stop Infrastructure Services** section in Oracle Financial Services Data Foundation Installation Manual Release 8.0.3.1.0 in [OTN](#) documentation library.

5. Execute the following command:

```
chmod -R 750 $FIC_HOME
```

6. 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 8.0.3.1.0ML.

7. 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.

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

```
chmod 751 OFS_BFND_8.0.3.1.0_<OperatingSystem>.zip.
```

9. Extract the contents of the 8.0.3.1.0ML 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 prior to extracting the contents from the release archive (.zip). For example: For this release when extracted from the archive creates a folder with name **OFS_BFND_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 OFS_BFND_8.0.3.1.0_<OperatingSystem>.zip
```

10. Give EXECUTE permission to the maintenance release archive file. Navigate to the path where `OFS_BFND_8.0.3.1.0_<OperatingSystem>.zip` is extracted and execute the following command:

```
chmod 750 OFSAAIUpdate.sh
```

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

```
./OFSAAIUpdate.sh
```

12. Verify if the ML is applied successfully by checking the log file generated in the installation folder. Logs can be found in `/OFS_BFND_PACK/logs` and `/OFS_BFND_PACK/OFS_BFND/logs` folder. You can ignore ORA-00001, ORA-00955, ORA-02260, and ORA-01430 errors in the log file. In case of any other errors, contact Oracle Support.
13. For more information on securing your OFSAA Infrastructure, refer to the Security Guide in [OTN Library](#).
14. Add `umask 0027` in the `.profile` of the UNIX account which manages the WEB server to ensure restricted access permissions.
15. 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 8.0.2](#)

1.2.3 Post Installation Steps

Following are the post installation steps that need to be performed.

1.2.3.1 Platform Related Post Installation Activities

1. After successful installation, follow these steps:
 1. 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>/<auto generated folder>/jsp_servlet`

- **Websphere:**
 <Websphere installation directory>/AppServer/profiles/<Profile name>/temp/<Node name>/server1/<Application name>/<.war file name>

2. Add umask 0027 in the `.profile` of the UNIX account which manages the WEB server to ensure restricted access permissions.
3. Perform the necessary additional configuration as mentioned in [Additional Configurations](#) section.
4. Download and install the one-off patch **25881200** to remove duplicate class files from MDR.jar.
5. 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 Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide](#).
6. After the successful installation of the release, restart all the OFSAAI services. For more information, refer to the *Start/Stop Infrastructure Services* section [Oracle Financial Services Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide](#).
7. If you are having DIH application installed in the same infodomain, execute the following query to resolve the bug # **25264798**, before ADI refresh in DIH.

```
UPDATE REV_TABLE_LOG_CLASS_ASMNT SET CLASSIFICATION_VALUE = 'Transition Matrix' WHERE TABLE_NAME = 'FCT_TRANSITION_MATRIX'
```

NOTE: After each model upload, this step needs to be repeated.

1.2.3.2 OFSDF Related Post Installation Activities

Data Model Change Verification

As part of Data Model changes, it was mandatory not to have data in following Actual tables. Installer had taken a backup of Actual tables and deleted the contents of Actual tables as part of pre-scripts. The same data would have been restored automatically to the Actual tables and dropped backup tables as part of Post-scripts.

NOTE: Ensure the following listed Backup tables are not present in the upgraded environment. If any `_803` table exists, load the data from the Backup table to the respective Actual table.

| Backup Table Name | Actual Table Name |
|-----------------------------|-------------------------|
| FSI_PARTY_STD_PARTY_MAP_803 | FSI_PARTY_STD_PARTY_MAP |

| | |
|--------------------------------|-------------------------------|
| FCT_IFRS_ACCOUNT_SUMMARY_803 | FCT_IFRS_ACCOUNT_SUMMARY |
| FCT_IFRS_STAGE_DETER_803 | FCT_IFRS_STAGE_DETERMINATION |
| FCT_REG_CAP_ACCT_SUMMARY_803 | FCT_REG_CAP_ACCOUNT_SUMMARY |
| FCT_REG_CAP_PLCD_COLL_SUM_803 | FCT_REG_CAP_PLCD_COLL_SUMMARY |
| FCT_REG_CAP_POOL_SUMMARY_803 | FCT_REG_CAP_POOL_SUMMARY |
| FCT_REG_COUNTERPARTY_CVA_803 | FCT_REG_COUNTERPARTY_CVA |
| FCT_REG_CP_CAPITAL_SUMMARY_803 | FCT_REG_CP_CAPITAL_SUMMARY |
| FCT_REG_LE_CAPITAL_SUMMARY_803 | FCT_REG_LE_CAPITAL_SUMMARY |
| FCT_REG_OR_CAPITAL_SUMMARY_803 | FCT_REG_OR_CAPITAL_SUMMARY |
| FCT_REG_RUN_LEGAL_ENT_MAP_803 | FCT_REG_RUN_LEGAL_ENTITY_MAP |

Change ICC Ownership

All the seeded Batches in OFSDF Applications Pack will be automatically assigned to SYSADMN user during Installation. If one user who wants to see the Batches in *Batch Maintenance* Menu, He needs to execute the following Queries in Config Schema of the Database.

Syntax:

begin

AAI_OBJECT_ADMIN.TRANSFER_BATCH_OWNERSHIP ('fromUser','toUser','infodom');

end;

OR

begin

AAI_OBJECT_ADMIN.TRANSFER_BATCH_OWNERSHIP ('fromuser','touser');

end;

Where from User indicates the user who currently owns the batch, to User indicated the user to which the ownership has to be transferred. Infodom is optional parameter, if specified the ownership of batches pertaining to that Infodom will be changed.

Eg.

begin

AAI_OBJECT_ADMIN.TRANSFER_BATCH_OWNERSHIP ('SYSADMN','FSDFOP','OFSEBNDINFO');

end;

Appendix A

Frequently Asked Questions

What checks does the 8.0.3.1.0 Release patch perform?

- Environment Check- As part of environment check, it performs Java validation, Environment Variables validation, OS specific validation, DB specific validation, and it shuts down all OFSAAI Services (Infrastructure Server, ICC Server, and back-end services).
- Post Install check- As part of Post install check, it checks if OFSAAI services can be successfully started.

Which version of ERwin Data Modeler does OFSAAI support?

OFSAAI now supports ERwin version 9.6 generated XMLs in addition to ERwin 9.5, ERwin 9.2, ERwin 4.1, ERwin 7.1, ERwin 7.3 generated XML files.

What should I do for viewing the log files in Debug level for troubleshooting?

By default, the log level is set as INFO. You need to manually change it to Debug to view the log files in debug level. Based on your requirement, you can change the log level to Warn, Error, or Fatal as well.

1. Navigate to `$FIC_HOME/conf` in the APP layer of your OFSAAI installation.
 - Change the **priority value** to **Debug** in the *RevLog4jConfig.xml* file.

For example:

```
<root>
  <priority value ="debug" />
  <appender-ref ref="ConsoleAppender1"/>
</root>
```

- Change the value of **LOGGERLEVEL** in the *DynamicServices.xml* file from **20** to **0**. (**20** is the value for Info and **0** for Debug.)

NOTE: For multi-tier installation, you need to change the log level to Debug in the *DynamicServices.xml* and *RevLog4jConfig.xml* files, which are present in `$FIC_APP_HOME/conf`, `$FIC_DB_HOME/conf`, and `$FIC_WEB_HOME/conf` as well.

Navigate to `$FIC_WEB_HOME/webroot/conf` and change the **priority value** to **Debug** in the *ExportLog4jConfig.xml*, *MDBLogger.xml*, and *PR2Logger.xml* files for viewing log files in Debug level for the modules Archive/Restore, Metadata Browser and RRF respectively.

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 [OFS Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide – Release 8.0.](#)

2. Restart the OFSAAI Services (APP and WEB). For more information, refer to the *Start/Stop Infrastructure Services* section in [OFS Advanced Analytical Applications Infrastructure Application Pack Installation and Configuration Guide – Release 8.0.](#)



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8.0.3.1.0 Installation Guide

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