

Oracle Financial Services Data Management Application Pack Installation Guide

Version 8.0.4.0.0



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Preface

This document provides step-by-step instructions to install the OFS Data Management Application Pack 8.0.4.0.0 Upgrade Release.

This chapter discusses the following topics:

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

Audience

Oracle Financial Services Data Management Application 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 Organised

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

- [OFS DM Application Pack Release 8.0.4.0.0](#)
- [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 Management Application Pack 8.0.4.0.0 documents available in [OTN](#).

- Oracle Financial Services Reconciliation Framework User Guide Release 8.0.4.0.0
- Oracle Financial Services Analytical Applications Infrastructure User Guide Release 8.0.4.0.0 ([OTN library](#))
- Oracle Financial Services Analytical Applications Infrastructure Installation Guide Release 8.0.4.0.0 ([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
OFS DM	Oracle Financial Services Data Management Application Pack
RHEL	Red Hat Enterprise Linux
IR	Interim 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 OFS DM Application Pack Upgrade Release 8.0.4.0.0

This Upgrade Release of OFS DM Application Pack is cumulative and includes all enhancements and bug fixes done since the OFS DM Application Pack v8.0 GA release.

1.1 Pre Installation Requirements

- You should have OFS DM Application Pack version either 8.0.0.0.0 or 8.0.1.0.0 or 8.0.2.0.0 or 8.0.3.0.0 as the minimum patch set level.
- Download the consolidated one-off patch **25777667** from <https://support.oracle.com>.
- *Bug 23251358-Object Registration is failing with duplicate Constraint Names* is regularized in this OFS AAI application pack 8.0.4.0.0. This is bundled as a utility - **Update Constraints Utility**, and is executed as part of the 8.0.4.0.0 patch installation. You must perform the steps listed below and apply the change before you proceed further with the patch upgrade.
 - a. Backup the atomic schema for each Information Domain in the OFSAA instance before applying the patch.
 - b. Execution of the utility is a memory intense process as the entire steps involved for performing a full model upload is carried out as part of the utility for each of the Infodom. The OFSAA installation server needs to have twice the allocated memory, which is assigned using parameter `X_ARGS_APPS`.
 - c. Utility creates three temporary tables- `REV_TAB_CONSTRAINTS_U`, `REV_TAB_REF_CONSTRAINTS_U`, and `REV_TAB_CONSTRAINT_COLUMNS_U`. If the atomic schema has any of these tables already created for a different purpose, take a backup and drop/rename.
 - d. As in model upload process, for the applications that follow logical model upload like `OFS_AML` in BD pack, the utility does not play any role, since persistence of the model is outside the purview of the utility. Any similar cases, which involves only logical model upload should be considered and taken care by the user.
 - e. For more information about the utility execution and log files information, see [Update Constraints Utility](#) section.
- Verify whether additional grant 'CREATE TYPE' exists in the atomic schema. If it doesn't exist, provide grant to the atomic schema using database user credentials with DBA privileges as shown below.

```
GRANT CREATE TYPE TO [<ATOMIC SCHEMA>];
```

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

1.2 Pre Installation Activities

The configuration file **PatchConfig.xml** should be updated before triggering the Installation. **PatchConfig.xml** file is available in the path `/OFS_DM_PACK/OFS_DM/conf`.

For each application the Segment value will be different and the respective Segment value has to be entered (replacing ##OFS_DGS_SEGMENT##) in the following command in **PatchConfig.xml**.

```
<Variable name="DMSEGMENT">##OFS_DGS_SEGMENT##</Variable>
```

NOTE: Do not perform released model upload after installation. Released model upload cannot be performed after installation as it may lead to installation issues.

1.3 How to Apply This Upgrade Release?

1.3.1 Installing OFS DM

Refer to the following instructions to download, extract, install, and configure this upgrade release.

1. Login to <https://support.oracle.com/> and search for **Bug 25656179** under the *Patches & Updates* tab.
2. Download the OFS DM Application Pack v8.0.4.0.0 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. Login to the OFSAA Server.
4. Shut down all the OFSAAI Services. For more information, refer to the *Start/Stop Infrastructure Services* section in [Oracle Financial Services Data Management Installation Manual Release 8.0](#).
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** 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 8.0.4.0.0 installer.

- 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.

- Give EXECUTE permission to the file using the command:

```
chmod 751 OFSDM_80400_<OperatingSystem>.zip.
```

7. Extract the contents of the 8.0.4.0.0 archive file using the command:

`unzip_<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_DM_PACK`. Rename or remove if a folder with the same name exists in the path where the release archive is copied.

8. Give EXECUTE permission to the upgrade release archive file. Navigate to the path `OFSDM_80400_<OperatingSystem>.zip` and execute the command:

```
chmod 750 OFSAAIUpdate.sh
```

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

```
./OFSAAIUpdate.sh
```

Verify if the release is applied successfully by checking the log file generated in the installation folder present in the path: `Installation Directory/OFS_DM_PACK/logs/`, and `Installation Directory/OFS_DM_PACK/OFS_DM/logs/`. 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.

10. For more information on securing your OFSAA Infrastructure, refer to the Security Guide in [OTN Library](#).
11. After successful installation follow these steps:
 - 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>`
12. Add umask 0027 in the `.profile` of the UNIX account which manages the WEB server to ensure restricted access permissions.
13. Install the consolidated one-off patch **25777667**. Refer to the Readme available with the patch for further instructions on installing the patch.
14. 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 Management Installation Manual Release 8.0](#)

15. After the successful installation of the release, restart all the OFSAAI services. For more information, refer to the *Start/Stop Infrastructure Services* section in [Oracle Financial Services Data Management Installation Manual Release 8.0](#).

Appendix A

Frequently Asked Questions

What checks does the 8.0.4.0.0 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 9.2 and 9.5 generated xmls in addition to ERwin 4.1, ERwin 7.1, ERwin 7.3 and ERwin 9.0 formats.

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.

2. 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.
3. 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 Management Installation Manual Release 8.0](#)

4. Restart the OFSAAI Services (APP and WEB). For more information, refer to the *Start/Stop Infrastructure Services* section in [Oracle Financial Services Data Management Installation Manual Release 8.0](#)

Can I install OFSAA 8.0.0.0.0 release Application Pack on an OFSAA instance which is already upgraded to a higher version say 8.0.4.0.0?

No, it is not possible to install OFSAA 8.0.0.0.0 release Application Pack on an OFSAA instance which is already upgraded to a higher version say 8.0.4.0.0.



OFS Data Management Pack
8.0.4.0.0 Installation Guide

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