Oracle Financial Services Data Foundation Application Pack

Release Notes

Release 8.1.0.0.0

September 2020





OFS Data Foundation Application Pack Release Notes

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Document Control

Version Number	Revision Date	Change Log
1.0	30-April-2020	Created the OFSDF Application Pack v8.1.0.0.0 Release Notes document.
2.0	12-June-2020	Updated the document with the following information: • Utility for the OFSDF upgrade • Process Execution Summary • Integration Utility

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1 Preface

This section provides supporting information for the Oracle Financial Services Data Foundation Application Pack Release Notes v8.1.0.0.0.

Topics:

- Audience
- How this Guide is Organized
- Access to the Oracle Support
- Related Documents

1.1 Audience

This document is intended for Administrators, Business Users, Strategists, and Data Analysts, who handle installing and maintaining the application pack components and have knowledge of the following:

- OFSAA Application Components
- OFSAA Architecture
- UNIX Commands
- Database Concepts
- OFSDF Data Model

1.2 How this Guide is Organized

The OFSDF Application Pack Release Notes includes the following sections:

- <u>Introduction</u>: This section provides information about the OFSDF Application Pack and its components.
- OFSDF Application Pack Release Notes v8.1.0.0.0: This section provides information about the
 OFSDF Application Pack Release v8.1.0.0.0 such as new features and prerequisites for the release,
 how to apply for this release and the list of bugs fixed and enhancements done, and the known
 issues or limitations, if any.
- <u>Hardware and Software Tech Stack Details</u>: This section provides a reference to the OFSAA Technology Stack Matrices document required for this release.
- <u>Licensing Information</u>: This section provides a reference to the Licensing Information User Manual required for this release.

1.3 Access to the Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For more 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

Oracle strives to keep this and all other related documents updated regularly; visit the OHC Documentation Library and My Oracle Support (MOS) to download the latest version available there. The following is the list of related documents:

- OHC Documentation Library for the OFSDF Application Pack Release 8.1.x.x.x product documents:
 - Oracle Financial Services Data Foundation Application Pack User Guide Release 8.1.0.0.0
 - Oracle Financial Services Data Foundation Application Pack Installation and Configuration Guide Release 8.1.0.0.0
- Oracle Financial Services Data Foundation Application Pack Upgrade Guide Release 8.1.0.0.0
- OHC Documentation Library for the OFSDF Application Pack Release 8.1.x.x.x other documents:
 - Oracle Financial Services Analytical Applications (OFSAA) Data Model Extension Guidelines
 Document Release 8.1.x
 - Oracle Financial Services Analytical Applications (OFSAA) Data Model Naming Standards Guide Release 8.1.x
 - Oracle Financial Services Analytical Applications (OFSAA) Data Model Document Generation Release 8.1.x
 - Oracle Financial Services Data Foundation Application Pack Cloning Reference Guide Release
 8.1.x
 - Oracle Financial Services Data Foundation Application Pack Security Guide Release 8.1.x
 - Oracle Financial Services Data Foundation Application Pack Data Protection Implementation
 Guide Release 8.1.x
- Oracle Financial Services Data Foundation Application Pack Cloning Reference Guide Release 8.0.x
- My Oracle Support for the OFSDF Application Pack Release 8.1.x.x.x technical documents:
 - Data Model Difference Reports
 - Changelog
 - SCD Metadata
 - T2T Metadata
 - Run Chart
- Oracle Financial Services Analytical Applications (OFSAA) Technology Matrix Release 8.1.0.0.0
- OHC Documentation Library for the OFS AAAI Application Pack Release 8.1.0.0.0 product documents:
 - Oracle Financial Services Advanced Analytical Applications Infrastructure Installation Guide Release 8.1.0.0.0
 - Oracle Financial Services Advanced Analytical Applications Infrastructure User Guide Release
 8.1.0.0.0
 - Oracle Financial Services Advanced Analytical Applications Infrastructure Environment Check Utility Guide Release 8.1.x

- Oracle Financial Services Advanced Analytical Applications Infrastructure Administration and Configuration Guide Release 8.1.x
- Oracle Financial Services Analytical Applications Infrastructure Process Modelling Framework
 Orchestration Guide Release 8.1.0.0.0
- Oracle Financial Services Analytical Applications (OFSAA) Metadata Browser User Guide Release
 8.1.0.0.0
- OHC Documentation Library for the OFSAA Release 8.1.x generic documents:
 - Oracle Financial Services Analytical Applications Infrastructure Security Guide Release 8.1.x
 - Oracle Financial Services Analytical Applications Infrastructure Cloning Reference Guide Release
 8.1.x
- Oracle Financial Services Analytical Applications (OFSAA) Licensing Information User Manual Release 8.1.0.0.0

2 Introduction

OFSAA is a suite of applications covering risk, performance, financial crime, compliance, customer insight, and regulatory reporting functions. These applications are built on a common technology infrastructure, which works off a singular Data Model that has unified structures for non-redundant acquisition, hosting, and processing of data, and renders rich information output that can be analyzed across a conformed set of perspectives. Sophisticated processing engines underlying the suite facilitates modular deployment and are controlled by comprehensive, user-configurable metadata.

The OFSAA applications are in use at several financial institutions across the globe.

Oracle Financial Services Analytical Applications delivers a comprehensive, integrated suite of financial services analytical applications for both banking and insurance domains.

Topics:

- About the Oracle Financial Services Data Foundation Application Pack
- Components of the OFSDF Application Pack

2.1 About the Oracle Financial Services Data Foundation Application Pack

The Oracle Financial Services Data Foundation (OFSDF) Application Pack is an analytical data warehouse platform for the financial services industry. OFSDF Application Pack combines an industry Data Model for financial services along with a set of management and infrastructure tools that allows financial services institutions to develop, deploy, and operate analytical solutions spanning key functional areas in financial services, including:

- Enterprise Risk Management
- Enterprise Performance Management
- Customer Insight
- Financial Crime and Compliance Management

OFSDF is a comprehensive data management platform that helps institutions to manage the analytical data life cycle from sourcing to reporting and Business Intelligence (BI) using a unified, consistent platform and toolset.

2.2 Components of the OFSDF Application Pack

The OFSDF Application Pack consists of the following components, which are described in additional detail in the following sections:

Financial Services Analytical Warehouse Data Model

This is a physical Data Model that supports data sourcing and reporting related to key analytical use cases in the Financial Services industry. The Warehouse Model is a physical Data Model, unlike the OFSDF LDM, meaning that it is readily deployable, and consists of database object definitions, and additional supporting scripts.

It is organized into two distinct sets of tables based on purpose: The Staging model, which facilitates data sourcing from the bank's internal operational systems such as Lending systems, Trading Systems, Collateral Management systems, and Master Data Management systems.

The Reporting model, which facilitates the storage of outputs from analytical tools, applications, and engines in a manner that is conducive to Business Intelligence reporting. The warehouse model is typically deployed into production through a set of management tools known as the Oracle Financial Services Analytical Application Infrastructure (OFSAAI). OFSAAI is a separate product and is a prerequisite for OFSDF.

• Supporting Scripts

As part of the OFSDF package, additional scripts are provided for basic operations such as internal data movement between the staging and reporting tables.

OFSDF Application Pack Release Notes v8.1.0.0.0 3

Oracle Financial Services Data Foundation Application Pack v8.1.0.0.0 Major Release is cumulative of all enhancements and bug fixes that are done since v8.0.9.0.0 release.

For the OFSDF Application Pack Release 8.1.0.0.0 installation related information, see the Oracle Financial Services Data Foundation Application Pack Installation and Configuration Guide Release 8.1.0.0.0.

NOTE

The erwin files patch ID **30812072** for OFSDF v8.1.0.0.0 is available at My Oracle Support (MOS).

Oracle Financial Services Data Foundation Application Pack is a separately licensed product.

Topics:

- **New Features**
- **Prerequisites**
- Installing this Major Release
- **Bugs Fixed in this Release**
- **Known Issues or Limitations**

New Features 3.1

The new features that are a part of the OFS Data Foundation Application Pack Release 8.1.0.0.0 are as follows.

Table 1: New features, their description, and the corresponding bug numbers

Feature Name	Feature Description	Bug Number
Loading multiple Exchange Rates	Added a new T2T, T2T_FSI_EXCHANGE_RATES_FRWD, to populate the target table FSI_EXCHANGE_RATES. Earlier, this FSI_EXCHANGE_RATES table was populated using the STG_EXCHANGE_RATE_HIST table.	24916034
	The data must be sourced through the STG_FORWARD_EXCHG_RATES table, which contains the V_RATE_DATA_SOURCE_CD column as a part of the PK and allows sourcing multiple exchange rates for a given date.	
Enhancement of Seeded Data using the SQL*Loader	Type 2 Seeded Data are packaged as DAT files and Control files to support the Restatement (backdated Run execution). The SQL*Loader is used during installation to load the DAT file to an intermediate table. Then the OFSDF packaged SCD loads the data to the actual Seeded Data tables.	<u>30813681</u>
Utility for the OFSDF upgrade	Created a new utility called ModelUpgrade utility (ModelUpgrade.sh) to facilitate the custom Data Model upload during the OFSDF v8.1.0.0.0 upgrade installation process.	

Feature Name	Feature Description	Bug Number
	Using this utility, you can execute the packaged Prescripts and Postscripts during the custom model upload process. The results are as follows:	
	During the prescripts execution, following happens:	
	a. The dropped data is backed up and cleared.	
	b. The dropped metadata is backed up and cleared.	
	During the postscripts execution, following happens:	
	a. The data is restored.	
	b. The metadata is restored.	
	For detailed information, see the <u>Oracle Financial Services Data</u> <u>Foundation Application Pack Upgrade Guide Release 8.1.0.0.0</u> .	
Process Execution Summary	Added the enhancement, Process Execution Summary, which provides information about all the instances of any Run executed in the Process Modeling Framework (PMF). The Process Execution Summary page displays all the Runs executed in the PMF for the corresponding application along with the count of the Run instances.	31136430
Integration Utility	As a part of the Basel and LRS pack processing results to OFSDF integration, the OFSDF is packaging the T2Ts mentioned in the sections Basel Processing to OFSDF Results Integration and LRS Pack Processing to FSDF Results Integration respectively in the Oracle Financial Services Data Foundation Application Pack User Guide Release 8.1.0.0.0. These are optional T2Ts, which are deployed only when the OFS CAP Application Pack and OFS LRS Application Pack are installed.	<u>31198588</u> , <u>31099567</u>

For detailed information about using the existing features, see the <u>Oracle Financial Services Data Foundation Application Pack User Guide Release 8.1.0.0.0</u>.

For more information about the OFS AAI requirements, see the <u>Oracle Financial Services Advanced</u> <u>Analytical Applications Infrastructure Installation Guide Release 8.1.0.0.0</u>.

3.2 Prerequisites

To upgrade to OFS Data Foundation Application Pack Release 8.1.0.0.0, you must have at least Oracle Financial Services Data Foundation Application Pack Release 8.0.6.1.0 or higher version installed on your system.

For the OFSDF Application Pack Release 8.0.6.1.0 or a higher version installation related information, see the Oracle Financial Services Data Foundation Application Pack Installation and Configuration Guide.

3.3 Installing this Major Release

For detailed instructions about installing this Major Release, see the <u>Oracle Financial Services Data</u> <u>Foundation Application Pack Installation and Configuration Guide Release 8.1.0.0.0</u>.

NOTE

This patch installation has taken approximately 3 hours to complete in the Oracle Test Labs.

Release v8.1.0.0.0 of OFS Data Foundation Application Pack is not certified for AIX and Solaris x86 Operating Systems. If you are currently running OFSAA v8.0.x on AIX or Solaris x86 Operating Systems and plan to upgrade to Release v8.1.0.0.0, then you must migrate from AIX or Solaris x86 to Linux or Solaris SPARC. See the MOS Doc ID 2700084.1 for details.

Bugs Fixed in this Release 3.4

The following table lists the modifications and bug fixes as part of the OFS Data Foundation Application Pack Release 8.1.0.0.0.

Table 2: The list of bugs fixed in this release

Bug Number	Bug Description	Change Comments
24916034	MULTIPLE EXCHANGE RATES TO BE SOURCED IN STG_EXCHANGE_RATE_HIST	Added a new T2T, T2T_FSI_EXCHANGE_RATES_FRWD, to populate the target table FSI_EXCHANGE_RATES. In the previous releases, this FSI_EXCHANGE_RATES table was populated using the STG_EXCHANGE_RATE_HIST table. The data needs to be sourced through the STG_FORWARD_EXCHG_RATES table, which contains the V_RATE_DATA_SOURCE_CD column as a part of the Primary Key (PK) and allows sourcing multiple exchange rates for a given date.
30813681	SEEDED DATA LOADER FOR INSTALLER USING SCD AND SQL LOADER	Type 2 Seeded Data are packaged as DAT files and Control files to support the Restatement (backdated Run execution). The SQL*Loader is used during installation to load the DAT files to an intermediate table. Then the OFSDF packaged SCD loads the data to the actual Seeded Data tables.
31136430	PROCESS EXECUTION SUMMARY SCREEN IN MAIN PAGE	Added the enhancement, Process Execution Summary, which provides information on all the instances of any Run executed in the Process Modeling Framework (PMF). The Process Execution Summary page displays all the Runs executed in the PMF for the corresponding application along with the count of the Run instances.
31198588	INCLUDE BASEL INTEGRATION T2T	The OFSDF and BASEL (OFS CAP) integration T2Ts are included in OFSDF in the FSDF_EXE_RUN pipeline. The integration is a separate process plugged when the BASEL application exists during the installation, or it can be enabled by executing the enableIntT2T.sh file after the installation of the BASEL application.
31099567	FSDF PMF ENABLEMENT FOR TR INTEGRATION T2TS	Enabled PMF for the TR (OFS LRS) integration T2Ts T2T_FCT_DEP_INS_ACCT_PARTY_DETL and T2T_FCT_DEP_INS_BENEFICIARY_DTL.

Bug Number	Bug Description	Change Comments
		The OFSDF and TR integration T2Ts are included in OFSDF in the FSDF_EXE_RUN pipeline.
		The integration is a separate process plugged when the TR application exists during the installation, or it can be enabled by executing the <code>enableIntT2T.sh</code> file after the installation of the TR application.
31137560	FSDF 8.1: ENABLE OLD SCD, 245 FOR DIM_MITIGANT_SUB_TYPE	Enabled an old SCD 245 to load data into the DIM_MITIGANT_SUB_TYPE table.
31103156	FSDF8.1: REMOVE IFRS T2TS & TR T2T	Removed IFRS T2Ts T2T_FCT_ACCT_FAIRVALUE_ATTRIBUTION, T2T_FCT_ECL_ATTRIBUTION, and T2T_FCT_LLFP_ACCOUNT_SUMMARY from the FSDF 8.1 package. Removed TR T2T T2T_FCT_LRM_ACCOUNT_SUMMARY from FSDF 8.1 package.
30935260	FSDF DATA MODEL HAS ENTITIES WITH VARCHAR2(4000) OR VARCHAR2(2000) IN PK CAUSES ERROR IN ADW	Removed the PK constraint from the FCT_PRODUCT_BASKET table that was on the columns N_MIS_DATE_SKEY, V_TGT_PROD_CODE, and V_SRC_BASKET column. The PK is recreated based on the new design.
30909168	OOTB DB XML TRANSFORMATION UTILITY USAGE	The DB XML is the default model packaged by the OFSDF 8.1.0.0.0. To convert the erwin XML to DB XML, use the utility provided by the OFSAAAI named TransformErwin.sh.
30753366	FSDF 8.1 METADATA MAPPING FOR MISC T2TS	Removed a list of columns of the Miscellaneous T2Ts from the OFSDF 8.1.0.0.0 Data Model. For more information, see the OFSDF Release Changelog Summary 8.1.0.0.0 document.
30725936	IMPLEMENTATION OF PMF FOR FSDF SOURCE RUN AND EXECUTION RUN	The Process Modelling Framework supports FSDF Sourced Run and FSDF Execution Run. Use the Process Modeller page to design and execute the Run pipelines, and Process Monitor screen to monitor the process execution.
30611845	MODEL IS HAVING SAME DOMAIN FOR MULTIPLE DATA TYPES	The Data Model is standardized to have one domain per data type only.
30568370	DROP DEPRECATED COLUMNS FROM FSDF MODEL	Removed the deprecated columns from the OFSDF 8.1.0.0.0 Data Model. For more information, see the OFSDF Release Changelog Summary 8.1.0.0.0 document.
30369977	CLEANUP FSAPPS FILE AND SEPARATE FSDF/OIDF MODULES	Separated the OFSDF and OIDF modules. Also, removed the Seeded Data and SCDs related to OIDF from the OFSDF 8.1.0.0.0 Data Model.
30434692	ATTRIBUTE TO CAPTURE PREMIUM/DISCOUNT/DEFERRED	Added mappings for the N_NON_LEASE_DEFRD_CUR_BAL column is added in the STG_LEASES_CONTRACTS and FCT_LOAN_ACCOUNT_SUMMARY tables for the T2T T2T_FLAS_STG_LEASES_CONTRACTS.

Bug Number	Bug Description	Change Comments
29994170	FN_DRMDATALOADER FAILS DUE TO MISSING EXTRA PARAMETER DURING EXECUTION EITHER IN BATCH OR ESIC	Added a missing parameter for the function FN_DRMDATALOADER in the file PLC_fn_DRMDataLoader.sql.
22362204	CHANGE IN DIM_PROCESS TABLE IN 8.1.0.0.0	The DIM_PROCESS table is dropped from the OFSDF 8.1.0.0.0 Data Model. For more information, see the OFSDF Release Changelog Summary 8.1.0.0.0 document.
21202059	MISSING REPORTING LAYER TABLES FOR SOME STG_CUSTOMER_X TABLES	Removed the tables STG_CUSTOMER_ADRESSES, STG_CUSTOMER_PHONE, and STG_CUSTOMER_EMAIL_ADDRESS from the OFSDF 8.1.0.0.0 Data Model. For more information, see the OFSDF Release Changelog Summary 8.1.0.0.0 document.
21183163	DEPRECATED RCY COLS IN FCAS IS PRESENT IN T2TS	The Reporting Currency (RCY) column references are removed from the FCT_COMMON_ACCOUNT_SUMMARY, FCT_TRANSACTION_SUMMARY, and FCT_COMMON_CUSTOMER_SUMMARY T2Ts.
19634776	PENDING INCONSISTENT DEFINITIONS IN FSDF DATA MODEL	The datatype length issue was resolved as a part of the domain and datatype standardization. The Stage tables can have smaller data length compared to their Result tables.
19434452	DISCREPANCIES IN LENGTH OF COLUMNS BETWEEN STAGE PRODUCT MASTER AND DIM PRODUCT	The datatype length issue was resolved as a part of the domain and datatype standardization. The Stage tables can have smaller data length compared to their Result tables.
17035793	ALL DATA MODEL ISSUE DETAILS AND SOLUTION FOR OFSAAI 7.3.2.2 WITH EPM & ERM	The SETUP_MASTER table was included in the OFSDF Data Model as a part of the 7.4.1.0.0 release.
14847187	NAB HAS REQUIREMENT TO CAPTURE MORE THAN ONE LIABILITY IDS FOR EACH CUSTOMER.	The columns V_PARTY_ID and V_LIABILITY_ID were made as a part of the PK in the table STG_PARTY_LIABILITY_DETAILS. Therefore, the user can capture multiple V_LIABILITY_ID for a party.
14765117	DATA MODEL TO CAPUTURE MORE THAN ONE MAINLINE ATTACHED TO SINGLE COLLATERAL.	The requirement of the STG_COLLATERALS table structure to support more than one mainline to collateral is resolved. The STG_COLLATERALS table was dropped and now removed from the Data Model, and the STG_ACCOUNT_MITIGANT_MAP table was added to address the requirement. For more information, see the document OFSDF Release Changelog Summary 8.1.0.0.0.

3.5 Known Issues or Limitations

The known issues in the OFS Data Foundation Application Pack Release v8.1.0.0.0 are as follows:

• T2T_FCT_REF_MKT_CREDIT_RATE is not inserting data because there is no inner join with the table DIM_MR_DEBT_SENIORITY (which has OTH and MSG).

- The LRI Join is used in the PR_POPULATE_REG_LE_HIER procedure that populates the FSI_REG_LEGAL_ENTITY_HIER table. As a result, the correct Entity SKey is not picked up from the DIM_ORG_STRUCTURE table. The LRI Join must be replaced with the SD and ED Join.
- Comparison of the Data Model Reports feature is not supported in the OFSDF v8.1.0.0.0 release.

The limitation in the OFS Data Foundation Application Pack Release 8.1.0.0.0 is as follows

Table 3: Limitation and workaround

Limitation	Workaround
Filters using DIM_DATA_ORIGIN are not present in T2Ts.	 Follow this workaround to introduce the filters using DIM_DATA_ORIGIN: Download the post-script file SOR_postscript_update.sql from MOS and execute it in the CONFIG schema. NOTE: Oracle recommends executing the post-script after resaving the Hierarchy if any. Follow these steps to create a Data Origin Filter: Create a Hierarchy that contains DIM_DATA_ORIGIN. Navigate to the Process Modelling Framework pag and select the Run on which the filter condition must be applied.

Hardware and Software Tech Stack Details 4

The hardware and software combinations required for the OFS Data Foundation Application Pack Release v8.1.0.0.0 are available in the Oracle Financial Services Analytical Applications (OFSAA) Technology Matrix Release 8.1.0.0.0.

Licensing Information 5

For details on the third party software tool used, see the Oracle Financial Services Analytical Applications (OFSAA) Licensing Information User Manual Release 8.1.0.0.0 available in the OHC Documentation Library.

OFSAA Support

Raise a Service Request (SR) in My Oracle Support (MOS) for queries related to the OFSAA applications.

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