Oracle Insurance Data Foundation Application Pack

Release Notes

Release 8.1.0.0.0

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Financial Services

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Oracle Insurance Data Foundation Application Pack Release Notes

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Document Control

Version Number	Revision Date	Change Log
1.0	September 2020	Created the OIDF Application Pack v8.1.0.0.0 Release Notes document.

Table of Contents

1 Preface 5

1.1 Audience 5
1.2 How this Guide is Organized 5
1.3 Access to the Oracle Support 5
1.4 Related Documents 6

2 Introduction 8

2.1 About the OIDF Application Pack 8
2.2 Components of the OIDF Application Pack 8

3 OIDF Application Pack Release Notes v8.1.0.0.0 10

3.1 New Features 10
3.2 Prerequisites 12
3.3 Installing this Major Release 12
3.4 List of Bugs Fixed in this Release 13
3.5 Known Issues or Limitations 15

4 Hardware and Software Tech Stack Details 16

5 Licensing Information 16

1 Preface

This section provides supporting information for the Oracle Insurance 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 User, Strategists, and Data Analyst, who handle installing and maintaining the following application pack components:

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

1.2 How this Guide is Organized

The OIDF Application Pack Release Notes includes the following sections:

- Introduction: This section provides information about the OIDF Application Pack and its components.
- OIDF Application Pack Release Notes v8.1.0.0.0: This section provides information about the OIDF Application Pack Release v8.1.0.0.0 such as new features in this release, prerequisites for the release, how to apply for this release, the list of bugs fixed in this release, and the known issues or limitations if any.
- Hardware and Software Tech Stack Details: This section provides a reference to the OFSAA Technology Stack Matrices document required for this release.
- Licensing Information: 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 (MOS). 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) web pages to download the latest document version available. The list of related documents is as follows:

- OHC Documentation Library for the OIDF Application Pack Release 8.1.x.x.x product documents:
  - Oracle Insurance Data Foundation Application Pack Installation and Configuration Guide Release 8.1.0.0.0
  - Oracle Insurance Data Foundation Application Pack User Guide Release 8.1.0.0.0
- OHC Documentation Library for the OIDF Application Pack Release 8.1.x.x.x other documents:
  - Oracle Insurance Data Foundation Application Pack Data Protection Implementation Guide Release 8.1.x
  - 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 Insurance Data Foundation Application Pack Security Guide Release 8.1.x
  - Oracle Insurance Data Foundation Application Pack Cloning Reference Guide Release 8.1.x
  - Oracle Insurance Data Foundation Application Pack Cloning Reference Guide Release 8.0.x
- Oracle Insurance Data Foundation Application Pack Upgrade Guide Release 8.1.0.0.0
- My Oracle Support (MOS) for the OIDF Application Pack Release 8.1.x.x.x technical documents:
  - *Run Chart*
  - *Changelog*
  - *SCD Metadata*
  - *T2T Metadata*
  - *Data Model Difference Reports*
- My Oracle Support (MOS) for the OIDF Application Pack Release 8.1.x.x.x Download Specifications documents
- Oracle Financial Services Analytical Applications (OFSAA) Technology Matrix Release 8.1.0.0.0
- OHC Documentation Library contains the following 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 contains the following 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
- Oracle Financial Services Analytical Applications Data Model Utilities User Guide

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 OIDF Application Pack
- Components of the OIDF Application Pack

2.1 About the OIDF Application Pack

The Oracle Insurance Data Foundation (OIDF) Application Pack is an analytical data warehouse platform for the financial services industry. OIDF 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

OIDF 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 OIDF Application Pack

OIDF 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, 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 via 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 OIDF.

- **Supporting Scripts**

  As part of the OIDF package, there are many scripts provided for basic operations such as internal data movement between the staging and reporting areas.

3 OIDF Application Pack Release Notes v8.1.0.0.0

Oracle Insurance Data Foundation Application Pack v8.1.0.0.0 Major Release includes all enhancements and bug fixes since the v8.0.9.0.0 release.

For detailed instructions on installing this Major Release, see the Oracle Insurance Data Foundation Application Pack Installation and Configuration Guide Release 8.1.0.0.0.

NOTE The erwin file patch ID **31924513** for OIDF v8.1.0.0.0 is available at My Oracle Support (MOS).

Oracle Insurance Data Foundation Application Pack is a separately licensed product.

Topics:

- New Features
- Prerequisites
- Installing this Major Release
- List of Bugs Fixed in This Release
- Known Issue or Limitations

3.1 New Features

The new features added in the Oracle Insurance Data Foundation Application Pack Release v8.1.0.0.0 are tabulated in Table 1.

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

Feature Name	Feature Description	Bug Number
Telematics	With this feature OIDF can now store the data from the IoT devices fitted on the individual or commercial vehicles. The OIDF customers can now leverage the ACORD compliant staging entities to host their data definition or use DIH (OFSDIH application pack) to standardize and load data to OIDF. In addition to new tables covering vehicle event details, vehicle service records, existing vehicle related data elements are also substantially enhanced. With this feature, OIDF also supports the aggregation and other data transformations needed for trip summary, vehicle performance, driver behavior analysis, and so on.	31670426, 30910925
Macroeconomic variable indicators	Macroeconomic variables are used to get behavioral data of the market systems operating on a large scale and to understand how different sectors of the economy are related to each other. OIDF supports the data storage of different macroeconomic variable values across different regions. This stored data contains both historical values and future projections. This data is used in LLFP (OFS IFRS Application Pack) to compute the probability of default using the Cox proportional-hazards model.	31335006

Feature Name	Feature Description	Bug Number
Pandemic Data and Hospital Capacity Data	During a pandemic, the public authority of each affected region generally provides data about the number of people affected by that pandemic and the areas where the outbreak has occurred. OIDF supports the storage of the country level pandemic data details in the categories of positive cases, count of hospitalized people, count of recovered people, death count, ventilator count, and so on. This data can be sourced from independent data sources such as John Hopkins, New York Times, or the World Health Organization, whichever is available in a given location. OIDF supports the storage of the region level hospital capacity data in the categories of bed count for different severity levels and ICU beds per unit of the population. This data can be sourced from the local medical system, the local health system, or the World Health Organization, whichever is available in a given location.	31229845
Dwelling and Dwelling Inspection	Added the OIDF Dwelling Insurance Subject Area as a part of the OIDF v8.1.0.0.0 data model.	30817893, 30906821
Data Domain Browser enhancement	Enhanced the Data Domain Browser feature with the following OIDF Subject Areas: • Channels and Profitability • Capital Reporting • Capital and Own Funds • Risk Management • Market Risk • Credit Risk • Insurance Risk • OIDF Dwelling Insurance	31698053, 30912513
Utility for the OIDF upgrade	Created a new offline utility (`ModelUpgrade.sh`) to facilitate the custom data model upload during the OIDF v8.1.0.0.0 upgrade installation process. Using this utility, you can execute the packaged Prescripts and Postscripts during the custom model upload process. As a result: • During the prescripts execution: **a.** The dropped data is backed up and cleared **b.** The dropped metadata is backed up and cleared • During the postscripts execution: **a.** The data is restored **b.** The metadata is restored For detailed information, see the Oracle Insurance Data Foundation Application Pack Upgrade Guide Release 8.1.0.0.0.	

Feature Name	Feature Description	Bug Number
Process Modelling Framework (PMF)	Introduced a feature called as Process Modeling Framework (PMF) feature to execute the out-of-the-box Runs for data loading. PMF is a process design and execution framework in OFSAA that facilitates the implementation of process sequences or pipelines. Use the framework to orchestrate Run Pipelines and Business Pipelines, alongside the objects that are a part of these pipelines. In OIDF Rule Run Framework (RRF), PMF is used to create a Run definition in a Run process. The visual representation of the Run is enabled through PMF by the construction of a Run Pipeline (process). The set of tasks required to carry out the OIDF functions is managed through PMF. You can use PMF to execute a T2T Run process. **NOTE**: This feature is supported only in the RDBMS based T2Ts in the OIDF application in this release.	30912964
Restatement Support	Introduced Restatement Support feature that enables backdated execution for any Start Date or End Date explicitly for a specific list of metadata. When a regulatory common body asks an insurance company to revise, correct an error, and refile a report for a past reporting period, Restatement Support is the solution. Using Restatement Support, the insurance company can make the required corrections and rerun the report for that past date.	
Compare Data Model Reports UI using OJET	Changed the Compare Data Model Reports UI using Oracle JavaScript Extension Toolkit (OJET).	31538631

For detailed information on how to use the existing features, see the Oracle Insurance Data Foundation Application Pack User Guide Release 8.1.0.0.0.

For more information on OFS AAAI requirements, see the Oracle Financial Services Advanced Analytical Applications Infrastructure User Guide Release 8.1.0.0.0.

3.2 Prerequisites

To upgrade from your installed version to Oracle Insurance Data Foundation Application Pack Release v8.1.0.0.0, you must have at least Oracle Insurance Data Foundation Application Pack Release v8.0.6.0.0 or a higher version installed on your system.

3.3 Installing this Major Release

For detailed instructions on installing this Major Release, see the Oracle Insurance Data Foundation Application Pack Installation and Configuration Guide Release 8.1.0.0.0.

NOTE

This installation has taken approximately 1 hour to complete in the Oracle Test Labs.

Release v8.1.0.0.0 of Oracle Insurance 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 Oracle Financial Services Analytical Applications (OFSAA) 8.1.x.x.x Migration Guide for details.

3.4 List of Bugs Fixed in this Release

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

Table 2: List of bugs, their description, and changed description

Bug Number	Bug Description	Change Comments
31670426	IOT: VEHICLE IOT DATA FLOW FOR RESULT DERIVED	Created the following new T2Ts for Vehicle Internet of Things (IoT) Data Flow: • T2T_FCT_TRIP_DETAILS • T2T_TRIP_SUMMARY • T2T_FCT_TRIP_FLEET_SUMMARY • T2T_FCT_VEH_PERFORMANCE_SUMMARY • T2T_FCT_DRIVER_BEHAVIOUR_SUMMARY
30910925	IOT: VEHICLE SUBJECT AREA ENHANCEMENT (VEHICLE DATA FEED)	Added T2T and SCD mappings for the newly created OIDF Auto Telematics Subject Area.
31335006	CREATE FACT TABLE FOR MACRO ECONOMIC VARIABLE DATA AND ALSO ANY SCD SOLVING REQUIRED	Created the following new metadata for the Macroeconomic Variable: T2T_FCT_MACRO_ECONOMIC_VAR_DTLS SCD with Map Reference Number 852.
31229845	CREATE MEDICAL RESEARCH DATA SETS TO HOLD PANDEMIC DATA	Enhanced the OIDF data model to store the historical pandemic data and support pandemic research. Created the T2Ts T2T_FCT_PANDEMIC_DATA and T2T_FCT_HOSPITAL_CAPACITY_DATA.
30912513	DDB ENHANCEMENT FOR COLUMN AND TABLE CHANGES AND ADDITIONS FOR 8.1	Enhanced the Data Domain Browser with Dwelling and Dwelling Inspection.
30817893	DWELLING INSURANCE ENCHANCEMENTS ON OIDF MODEL	Added the OIDF Dwelling Insurance Subject Area as a part of the OIDF 8.1.0.0.0 data model.
30906821	DWELLING INSPECTION VALUATION ENHANCEMENT ON OIDF	Added the Dwelling Inspection Valuation feature as a part of the OIDF 8.1.0.0.0 data model.

Bug Number	Bug Description	Change Comments
31698053	ENHANCEMENTS OF DDB WRT TO ADDITIONAL SA'S	Enhanced the Data Domain Browser with the following OIDF Subject Areas: • Channels and Profitability • Capital Reporting • Capital and Own Funds • Risk Management • Market Risk • Credit Risk • Insurance Risk
30912964	PMF ENCH RUN_CHART OIDF 8.1	To execute the out-of-the-box Runs for data loading, introduced a feature called Process Modeling Framework (PMF) feature.
31538631	COMPARE DATA MODEL REPORTS UI TO BE CHANGED AS NEW STANDARDS IN OIDF	Changed the Compare Data Model Reports UI using Oracle JavaScript Extension Toolkit (OJET).
31570148	PII LIST FOR OIDF 8.1.0.0.0: DATA PROTECTION	Updated the PII data list for the current release.
31599220	OIDF ERWIN MODEL 8.0.9: MISSING SUBJECT AREAS	Maintained uniformity in the OIDF Subject Area names in the data model and the User Guide document.
31560918	OIDF81: CONFIRM MAPPING FOR COLUMN N_GUAR_DEATH_BENEFIT_AMT FOR MENTIONED TABLES	Updated the Join logic for the column N_GUAR_DEATH_BENEFIT_AMT in the following T2Ts: • T2T_FAPS_STG_ANNUITY_CONTRACTS • T2T_FAPS_STG_HEALTH_INS_CONTRACTS • T2T_FAPS_STG_LIFE_INS_CONTRACTS • T2T_FAPS_STG_PROP_CASUALTY_CONTRACTS • T2T_FCPS_STG_ANNUITY_CONTRACTS • T2T_FCPS_STG_HEALTH_INS_CONTRACTS • T2T_FCPS_STG_LIFE_INS_CONTRACTS • T2T_FCPS_STG_PROP_CASUALTY_CONTRACTS
31390123	OIDF 8.1 SCD METADATA CLEANUP	Removed the deprecated column V_PROD_TYPE from the OIDF Release 8.1.0.0.0 data model for the SCD with Map Reference Numbers 401, 402, and 403. For more information, see the OIDF Release Changelog Summary 8.1.0.0.0 document.
30910959	COLUMN DROPS FOR 8.1: CLEAN UP/ REMOVAL OF DEPRECATED COLUMNS FROM THE MODEL	Removed the deprecated columns from the OIDF Release 8.1.0.0.0 data model. For more information, see the Oracle Insurance Data Foundation Data Model 80900 & 81000 Difference Report document.
30910949	TABLE DROPS FOR 8.1: CLEAN UP/ REMOVAL OF DEPRECATED TABLES FROM THE MODEL	Removed the deprecated tables from the OIDF Release 8.1.0.0.0 data model. For more information, see the Oracle Insurance Data Foundation Data Model 80900 & 81000 Difference Report document.
30908305	PRIMARY KEY MODIFICATION FOR INSURANCE SPECIFIC TABLES	Modified the N_LOAD_RUN_ID column as the Primary Key for all the stage and fact policy tables.

Bug Number	Bug Description	Change Comments
30900681	FACULTATIVE REINSURANCE FLAG TO BE ADDED IN STAGE REINSURANCE CONTRACT HELD	Added the column F_FACULTATIVE_REINSURANCE_FLAG and mapped from the STG_REINSURANCE_CONTRACTS_HELD table to the FCT_REINSURANCE_CONTRACTS_HELD table.
29432317	OIDFTABLES HAVING PARTIAL DESCRIPTION	Added complete table descriptions in the OIDF data model.
24940733	OIDF: STG AND DIM COVERAGE TYPE MASTER LEVEL BASED HIERARCHY	Updated the column-based hierarchy to be present in the DIM_INSURANCE_COVERAGE table instead of the DIM_COVERAGE_TYPE table for the V_COVERAGE_TYPE, V_COVERAGE_GROUP, V_COVERAGE_FAMILY, and V_COVERAGE_CAT columns.

3.5 Known Issues or Limitations

These are no known issues or limitations in the Oracle Insurance Data Foundation Application Pack Release 8.1.0.0.0.

4 Hardware and Software Tech Stack Details

The hardware and software combinations required for the Oracle Insurance 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.

5 Licensing Information

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.

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 My 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 that has all the revised or recently released documents.