

Oracle Financial Services Data Integration

Release Notes

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ORACLE
Financial Services

OFS Data Integration Release Notes

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Document Control

Version Number	Revision Date	Change Log
1.0	Created September 2020	Captured new features, fixed issues, limitations, and known issues for OFS Data Integration Pack 8.1.0.0.0 release.

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1 Preface

This section provides supporting information for the Oracle Financial Services Data Integration Release Notes.

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.

Topics:

- [Scope of This Document](#)
- [Intended Audience](#)
- [Access to Oracle Support](#)
- [Related Information Sources](#)

1.1 Scope of This Document

This document contains release information for the following applications:

- Financial Services Data Integration Hub (DIH)
- Oracle Financial Services Data Foundation Integration With Fusion Accounting Hub Cloud
- Oracle Insurance Data Foundation Integration With Fusion Accounting Hub Cloud
- Interface for Oracle FLEXCUBE Universal Banking System (FCUBS)
- Interface for Oracle Banking Platform (OBP)
- Interface for Data Relationship Management (DRM)

1.2 Intended Audience

This document is intended for users of Oracle Financial Services Data Integration Application Pack.

1.3 Access to Oracle Support

Oracle customers have access to electronic support through [My Oracle Support](#). For 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 Information Sources

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 DI) Application Pack**:
 - *Financial Services Data Integration Hub (DIH)*

- *Oracle Financial Services Data Foundation Integration With Fusion Accounting Hub Cloud*
- *Oracle Insurance Data Foundation Integration With Fusion Accounting Hub Cloud*
- *Interface for Oracle FLEXCUBE Universal Banking System (FCUBS)*
- *Interface for Oracle Banking Platform (OBP)*
- *Interface for Data Relationship Management (DRM)*
- *Financial Services Data Integration Installation 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 Information User Manual Release 8.1.0.0.0*
 - *OFS Analytical Applications Infrastructure Security Guide*
 - *OFSAAI FAQ Document*
 - *OFS Analytical Applications 8.1.0.0.0 Technology Matrix*
 - *Oracle Financial Services Analytical Applications Infrastructure Cloning Guide*

2 Introduction

This chapter includes information about Oracle Financial Services Analytical Applications (OFSAA) and Oracle Financial Services Data Integration (OFSDI).

Topics:

- [Oracle Financial Services Analytical Applications \(OFSAA\)](#)
- [Oracle Financial Services Data Integration](#)

2.1 About Oracle Financial Services Analytical Applications (OFSAA)

In today's turbulent markets, financial institutions require a better understanding of their risk-returns, while strengthening competitive advantage and enhancing long-term customer value. Oracle Financial Services Analytical Applications (OFSAA) enable financial institutions to measure and meet risk-adjusted performance objectives, cultivate a risk management culture through transparency, lower the costs of compliance and regulation, and improve insight into customer behavior.

OFSAA uses industry-leading analytical methods, shared data models, and applications architecture to enable integrated risk management, performance management, customer insight, and compliance management. OFSAA actively incorporates risk into decision making, enables to achieve a consistent view of performance, promotes a transparent risk management culture, and provides pervasive intelligence.

OFSAA delivers a comprehensive, integrated suite of financial services analytical applications for both banking and insurance domains.

The Financial Services Analytical Applications Infrastructure is comprised of a set of frameworks that operates on and with the Oracle Financial Services Analytical Applications Data Model. This infrastructure delivers metadata across the stack and provides a single set of computational engines, stochastic modeling methods, and business rules. Data Integration Hub allows the financial institution to source data from multiple source systems to OFSAA required for analytical processing and reporting.

OFSAA Infrastructure is the foundation for Oracle Financial Services Analytical Applications (OFSAA). It provides support for User Administration, Metadata Management, a Processing Framework, a Forms Framework, and additional capabilities, necessary for the individual business applications of OFSAA packs, across the domains of Risk, Performance, Compliance, and Customer Insight.

2.2 Oracle Financial Services Data Integration

The Data Integration Hub enables data exchange between OFSAA and external systems. This is facilitated through logical abstraction of the OFSAA Data Foundation (Financial Services Data Foundation and Insurance Data Foundation) exposed as Application Data Interfaces (ADI). External Data Sources (EDS) and External Data Descriptors (EDD) are defined through the DIH user interface, which also facilitates the mapping of EDDs to ADIs, forming Connectors.

2.2.1 Components of Oracle Financial Services Data Integration Application Pack

OFSDI Application Pack includes the following applications:

Oracle Financial Services Data Integration Application pack includes Financial Services Analytical Applications Infrastructure, Financial Services Data Integration Hub application, and four prebuilt interfaces such as AHCS for Banking and Insurance, FLEXCUBE, Oracle Banking Platform (OBP), and Data Relationship Management (DRM).

- **Oracle Financial Services Data Integration Hub (DIH):** The Data Integration Hub enables data exchange between OFSAA and external systems. This is facilitated through logical abstraction of the OFSAA Data Foundation (Financial Services Data Foundation and Insurance Data Foundation) exposed as Application Data Interfaces (ADI). External Data Sources (EDS) and External Data Descriptors (EDD) are defined through the DIH user interface, which also facilitates the mapping of EDDs to ADIs, forming Connectors.

DIH publishes information on ADI, EDS, EDD, and Connectors, alongside other relevant metadata, to Oracle Data Integrator (ODI), which delivers high-performance data movement and transformation among enterprise platforms with its open and integrated E-LT architecture and extended support for Big Data.

- **Oracle Financial Services Accounting Hub Cloud Service (AHCS):**

Accounting Hub Cloud (AHC) is an accounting integration and reporting platform in Oracle cloud that includes products, such as sub-ledger Accounting, Ledger, and Financial Reporting Center. AHC is an accounting integration platform. It standardizes the accounting from multiple third-party transactional systems to consistently enforce accounting policies and meet multiple reporting requirements in an automated and controlled fashion. AHC includes a rules repository to centrally define and maintain accounting rules, a rules transformation engine to create, validate and store the accounting journals, and a detailed accounting repository that is used to reconcile to the source system.

- **Integration for Banking:**

Accounting Hub Cloud Service Integration for Banking is an accounting integration platform that allows customers to integrate and standardize banking accounting from non-Oracle transactional systems to create accounting entries in any general ledger with the Oracle Accounting Hub Cloud environment. It has seeded sub-ledgers related to banking which can be integrated with the Accounting Hub Cloud environment.

- **Integration for Insurance:**

Accounting Hub Cloud Service Integration for Insurance is an accounting integration platform that allows customers to integrate and standardize Insurance accounting from non-Oracle transactional systems to create accounting entries in any general ledger with the Oracle Accounting Hub Cloud environment. It has seeded sub-ledgers related to insurance which can be integrated with the Accounting Hub Cloud environment.

- **Oracle Financial Services Oracle FLEXCUBE Universal Banking (FCUBS) Interface:** Oracle FLEXCUBE Universal Banking (FCUBS) supports the changing landscape of retail, corporate, and investment banking needs with strong transaction banking and Islamic banking capabilities.

The current FCUBS-OFSAA interfaces transfer all key data elements across various modules within FCUBS to OFSAA Common Staging Area (CSA).

The integration between the Oracle FCUBS and the OFSAA enables the financial institutions to:

- Get insight into customer patterns based on the data captured in core banking.
- Achieve end-to-end improvement in business delivery.
- Achieve effective performance and risk-free management using the available customer data.

This integration is achieved by handing off FCUBS core banking data with OFSAA through FLEXCUBE Information Server (FIS) and DIH.

- **Oracle Financial Services Oracle Banking Platform (OBP) Interface:** Oracle Business Platform (OBP) is designed to help banks respond strategically to today's business challenges and progressively transform their business models through industrialized business processes, driving productivity improvements across front and back offices, and reducing operating costs. It supports banks' growth agenda through new distribution strategies including multi-brand or white labeling to tap new markets and enterprise product origination supporting multi-product and packages to drive an increased customer-to-product ratio.
- **Oracle Financial Services Data Relationship Management (DRM) Interface:** Oracle Data Relationship Management (DRM) helps proactively manage changes in master data across operational, analytical, and enterprise performance management silos. Users may make changes in their departmental perspectives while ensuring conformance to enterprise standards.

3 Oracle Financial Services Data Integration

The following sections include features and bug-related information for:

- Data Integration Hub Foundation
- Interface with Oracle Applications

Topics:

- [What is New in this Release for Data Integration](#)
- [Bugs Fixed in This Release](#)
- [Known Issues or Limitations in this Release](#)

3.1 New Features

The new features and changes in the OFS Data Integration Release v8.1.0.0.0 are as follows:

Data Integration Hub Foundation

1. Process Connectors
 - a. Process Connectors allow configuration of data movement between the Application Data Interfaces (ADI).
2. Aliases
 - a. Aliases allow multiple instances of an ADI or External Data Descriptor (EDD) to be used while configuring Connectors and mirroring Oracle Database's use of aliases in Structured Query Language (SQL).
3. Enhanced User Experience
 - a. Categorized functions and user interface as follows:
 - i. Configuration
 - ii. Mapping
 - iii. Execution
 - iv. Analysis
 - b. Visual portal to manage all aspects of data movement.

Interface with Oracle Applications:

1. FSDF Interface with Accounting Hub Cloud Service
Enhancements to ledger balance data acquisition and ingestion.
2. OIDF Interface with Accounting Hub Cloud Service
Enhancements to ledger balance data acquisition and ingestion.
3. Oracle FLEXCUBE Universal Banking (FCUBS) Interface

- Qualifications of prebuilt connectors on Big Data.
4. Oracle Banking Platform (OBP) Interface
Qualifications of prebuilt connectors on Big Data.
 5. Data Relationship Management (DRM) Interface
Qualifications of prebuilt connectors on Big Data.

For detailed information on the usage of these enhancements, see the Data Integration User Guides on the [OHC Documentation Library](#).

3.2 Bugs Fixed in this Release

The following bugs are fixed, modified, or enhanced in this release.

Table 1: Bugs Fixed in this Release

Sl. No.	Bug ID	Bug Description	Change Description
1	30703410	MULTIPLE SAVE ACTION IN ODI SETTINGS PAGE CAUSES BLANKING OF A PASSWORDS AND TEST CONNECTION FAILURE	Resolved the blanking out of the fields due to multiple clicks on the Save button in the Settings UI.
2	30707423	INCORRECT LOOKUP CONDITION GENERATED FOR EXTRACT IF SUBTYPES OF SAME ADI ARE USED	Resolved the lookup condition error when subtypes are used in a single join, such as FCT_LOAN_ACCOUNT_SUMMARY and FCT_COMMON_ACCOUNT_SUMMARY.
3	31132728	ISSUE NOTICED WHILE USING TRANSPOSE (COLUMNS TO ROWS) COMPONENT FOR a LARGE NUMBER OF COLUMNS	Updated the transpose dialog box in the Connector window when more than 15 columns are used to transpose into rows.
4	30688590	ODI-16124 ERROR IN THE CONNECTOR EXECUTION WHEN MULTIPLE STG TABLES ARE USED WITH MULTIPLE LOOKUPS	Updated the execution location when publishing to ODI in case of extraction to file from multiple stage tables in a connector. This avoids specifying the control information in the File EDD as a workaround.
5	30694533	TEST CONNECTION IN SETTINGS UI DOES NOT WORK IN CASE OF MISSING ODI JARS	Corrected the Test Connection in the Settings UI to display error messages.
6	30709534	EXECUTION OF MULTI-TARGET CONNECTOR IN BIG DATA ENVIRONMENT	Resolved loading into multi-target in insert connectors when the application is hosted on Big Data.
7	31347155	PERFORMANCE ISSUE IN CONNECTOR EXECUTION IN HIVE	Introduced a new ODI knowledge module to avoid SQL binds when loading data into HIVE to improve performance.

Sl. No.	Bug ID	Bug Description	Change Description
8	31349254	ERROR DURING INSERTION OF DATA INTO TIMESTAMP COLUMN OF TEMP TABLE IN HIVE TO HIVE LOAD	Introduced a new ODI knowledge module to avoid casting of timestamp columns when loading data into HIVE.
9	31060221	TEST CONNECTION IN SETTINGS UI DOES NOT VALIDATE THE IMPORT OF ODI PROCEDURES	Corrected the Test Connection in the Settings UI to display error messages.
10	26764414	ISSUE WITH FILE TO MULTIPLE TABLE DEFINITION WITH A FILTER CONDITION ON TARGET	Resolved multi-target load from a single file source with split records.
11	27983599	MULTI TARGET LOAD WITH LARGE NUMBER OF COLUMNS OF EDD IN USE - EXECUTION	Resolved multi-target load with a large number of mappings.
12	27612512	EXECUTION ERROR - F2T MULTITARGET WITH TARGET FILTER NOT USED MAPPING	Enabled usage of the unused column in filter condition to split the records for multiple target load.
13	26862607	TEST AGENT IS FAILING WITH NULL POINTER EXCEPTION IN DIH LOG	The test agent option can be used to verify ODI agent availability.

3.3 Known Issues or Limitations in this Release

The following are the known issues or limitations in this release.

Table 2: Known Issues or Limitations in this Release

Sl. No.	Bug ID	Known Issue or Limitation	Workaround
1	31433619	FAH INSERT CONNECTOR EXECUTION FAILS IN HIVE	Unavailable
2	31357227	FCUBS CONNECTOR EXECUTION FAILS IN HIVE	Unavailable
3	32077707	EDS SCREEN DOES NOT LOAD WHEN BACKSLASH IS USED IN EDS FIELDS	Valid JDBC URL and file location will not contain backslash. In case backslash is added accidentally, execute the following script in atomic schema to proceed: <pre>update fsi_ds_b set dt_file_loc = replace(dt_file_loc, '\', '/') , db_con = replace(db_con, '\', '/')</pre>
4	32145040	ERROR MESSAGE IS NOT VISIBLE IN CASE OF FAILURE IN REFRESH ADI UI	Download the ADI Refresh log to see the error message.

Sl. No.	Bug ID	Known Issue or Limitation	Workaround
5	32165320	EXECUTION FOR PROCESS CONNECTOR FOR STAGING TO FACT IN SAME ADI	For this use case, Data Mapping (T2T) component can be used. Some applications provide out-of-box rules. It is recommended to use them instead of creating a process connector in DIH.
6	32168354	ADI REFRESH FAILS WHEN INSTALLED APPLICATION NAMES EXCEED 50 CHARACTERS	Execute the following query in the atomic schema: <pre>ALTER TABLE FSI_DIH_APPS_SUPPORT MODIFY APPLICATION_NAME VARCHAR2 (255)</pre>

3.4 Installing this Major Release

For detailed instructions to install this Major Release, see the [Oracle Financial Services Data Installation and Configuration Guide Release 8.1.0.0.0](#).

NOTE

Release v8.1.0.0.0 of OFS DI 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.

4 **Oracle Financial Services Analytical Applications Infrastructure**

For details about the requirements, new features, bugs fixed, and list of known issues in OFS Analytical Applications Infrastructure, see the *OFS Advanced Analytical Applications Infrastructure (OFS AAAI) Application Pack Release Notes* and related documents on [OHC Documentation Library](#).

5 **Hardware or Software Tech Matrix Details**

The hardware or software combinations required for the OFS Data Integration Application Pack 8.1.0.0.0, are available at the [OFS Analytical Applications 8.1.0.0.0 Technology Matrix](#).

6 **Licensing Information**

The licensing information about the third-party software tools used in the OFS Data Integration Application Pack 8.1.0.0.0 is available in the [OFSAA Licensing Information User Manual Release 8.1.0.0.0](#).

OFSAA Support

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

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