

# Oracle® Financial Services Interconnect Release Notes



Innovation Release 14.8.2.0.0

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## Purpose

Welcome to the User Guide for Oracle Financial Services Interconnect. This guide explains the operations that the user will follow while using the application.

## Intended Audience

This document is intended for the following audience:

- Customers
- Partners

## Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

### Access to Oracle Support

Oracle customers that have purchased support 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.

## Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to make sure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

## Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve.

Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## Conventions

The following text conventions are used in this document:

| Convention             | Meaning  |
|------------------------|--|
| <b>boldface</b>        | Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.         |
| <i>italic</i>          | Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.                          |
| <code>monospace</code> | Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter. |

# 1

## Overview

This topic provides information on overview of the product.

**Oracle Financial Services Interconnect** is an advanced integration platform purpose-built to meet the demanding requirements of the banking and financial services industry. The product is used for secure, reliable and bi-directional data synchronization between a wide array of internal and external systems, addressing ubiquitous challenges posed by legacy core banking systems, modern digital applications.

**Oracle Financial Services Interconnect** acts as a bridge between disparate, often siloed systems such as legacy core banking platforms, new-age cloud solutions, and third-party fintech services, supporting seamless data synchronization through multiple integration modes - including APIs, real-time events, and robust file synchronization - all orchestrated through a unified and simplified architecture. The platform empowers financial institutions to map, validate, enrich and transform data with high precision, offering a comprehensive toolkit for monitoring data exchanges to ensure information accuracy, managed transformations, and full transaction auditability.

**Oracle Financial Services Interconnect** is the strategic foundation for banks and financial service providers aiming to modernize their business operations, improve integration agility, and future-proof their technology investments. The product provides rich features that empower financial institutions and implementation partners to build and operate robust integration landscapes.

### Key Capabilities:

- **Unified & Flexible Integration Management:** Manage all form of data integrations including APIs, and File Synchronization, offering banks and financial institutions a streamlined approach to connecting legacy, on-premises, and cloud-native applications.
- **Bi-Directional Synchronization:** Supports real-time and scheduled data exchanges in both directions, enabling legacy systems and modern channels to work in tandem.
- **Precision Data Transformation:** Highly configurable engine for mapping, validating, and enriching data - including built-in support for data transformation, custom validations, and rules-driven enrichment.
- **Operational Visibility:** Provides end-to-end transparency with central monitoring, automated alerting, simulation tools, extensive audit trails, and flexible configuration management.

# 2

## Features and Enhancements

The following describes the new enhancements made in Oracle Financial Services Interconnect 14.8.2.0.0 release

- [File Data Sync](#)  
This topic provides information on file data synchronization.
- [Routing Hub](#)  
This topic provides information on routing hub.

### 2.1 File Data Sync

This topic provides information on file data synchronization.

**Oracle Financial Services Interconnect** offers a robust and configurable File Data Synchronization capability designed for reliable, scalable, and secure movement of data between banking systems.

**Table 2-1 Enhancements in File Data Sync**

| Enhancements   | Description  |
|--|--|
| <b>Bi-Directional Synchronization</b>                    | Easily configure both inbound file and outbound data integrations, supporting use cases such as legacy core data migration, reconciliation, and interfacing with external solutions.   |
| <b>Flexible Formats and Structures</b>                   | Supports delimited (dot, underscore, dash, caret, colon, comma, pipe, semi-colon, tab, tilde) files and Hierarchical data structures to mirror complex banking or financial records; configurable aliasing for format reference. |
| <b>Advanced Transaction Management</b>                   | Define acting roles (source or target), folder/API-based transfer, and multiple transactions per system with independent setup for source and target paths.  |
| <b>Precision Field and Record Validation</b>             | Field-level controls with options to define data type (text, alphabets, alphanumeric, date), custom regex validation, minimum/maximum value or length constraints, and enumerated value lists to enforce data integrity.         |
| <b>Validation and Enrichment</b>                         | Leverage regular expressions, mandatory fields, length/format checks, and business rules to ensure only clean, accurate data moves between systems.  |
| <b>Error Handling and Processing Controls</b>            | Configure processing thresholds to manage maximum allowed errors before halting an operation, mandatory fields, and custom naming conventions for rigorous process discipline.   |
| <b>Test Modes &amp; Notification</b>                     | Enable integration test mode for safe, non-disruptive trial runs and configure automated e-mail alerts for integration results or exception handling.  |
| <b>Full Lifecycle File Management</b>                    | Drag-and-drop file upload, comprehensive inquiry screens for file tracking (status, record counts, processing journey), and direct download/view of processed files.   |
| <b>Automated and Intelligent AI-Enabled Data Mapping</b> | Automate data mapping between different system schemas with intelligent, built-in matching logic. Supports manual overrides and detailed drag-and-drop mapping for complex scenarios.  |
| <b>Audit and Authorization</b>                           | Full audit trails for every file, transaction, and integration change, with maker-checker workflows for operational compliance.  |

## 2.2 Routing Hub

This topic provides information on routing hub.

**Oracle Financial Services Interconnect** orchestrates, transforms, and securely routes and transform the API integration.

Below are the enhancements in Routing Hub:

1. Introduced support for handling multiple Configuration Service URLs.
2. Added metrics collection for outbound REST calls to enhance monitoring and observability.
3. Enhanced error reporting by including template evaluation errors within the arguments section of the response.
4. Adopted Coherence for efficient data anonymization caching.
5. Extended the use of environment variables to include host, port, and parameter group mapping.
6. Introduced a flag in environment variables to retain existing values during import.
7. Introduced a flag in consumer service to preserve existing routing configurations during import.
8. Enabled continuation of request processing in timeout scenarios instead of terminating the route.



# 3

## Components of the Software

The components of the software are covered in this topic.

- [Documents Accompanying the Software](#)  
The various documents accompanying the software are as follows:
- [Software Components](#)  
Software Components of Oracle Financial Services Interconnect 14.8.2.0.0 that are part of this release are as follows:

### 3.1 Documents Accompanying the Software

The various documents accompanying the software are as follows:

- Product Release Notes
- Installation Guides
- User Guides

### 3.2 Software Components

Software Components of Oracle Financial Services Interconnect 14.8.2.0.0 that are part of this release are as follows:

**Host:**

- Service and API Components
- UI Components
- Database objects which include tables, sequences and seed data
- Configuration files used for deployment

## 4

# Environment Details

The Tech Stack details of **Oracle Financial Services Interconnect** are covered in this topic.

**Table 4-1 Tech Stack – Oracle Financial Services Interconnect**

| Component                              | Machine            | Operating System                                | Software   | Version Number     |
|--|--------------------|---|--|--------------------|
| Oracle Financial Services Interconnect | Application Server | Oracle Enterprise Linux Server 8.7 (x86 64 Bit) | Oracle WebLogic  | 14.1.2.0.0         |
|  |                    |   | Java HotSpot (TM) JDK (with WebLogic Application Server) | Oracle JDK 17.0.18 |
|  |                    |   | Oracle Coherence   | 14.1.2.0.0         |
|  |                    |   | Conductor  | 3.15.0             |
|  | Database Server    | Oracle Enterprise Linux Server 8.7 (x86 64 Bit) | Oracle Database 19c Enterprise Edition Release           | 19.29.0.0.0        |
|  | UI                 | Oracle Enterprise Linux Server 8.7 (x86 64 Bit) | Oracle JET   | v18.1.0            |
|  | Message Broker     | Oracle Enterprise Linux Server 8.7 (x86 64 Bit) | Apache Kafka   | 2.13-3.9.1         |

## Note

- # Browser support is no longer based on Operating Systems but strictly tied to the browser themselves, no matter on which Operating Systems they are installed. Current release is certified on client workstations with Windows 10.
- **Client Machines#:** For detailed information on Browser Support, please refer to the Oracle Software Web Browser Support Policy at <https://www.oracle.com/middleware/technologies/browser-policy.html>.
- Oracle Applications are developed and tested on Oracle Linux, which is optimized for performance, stability and security.

# 5

## Third-Party Software

This topic describes about the license information for third-party software.

For information on the third-party software, refer to the Oracle Financial Services Interconnect License Guide.

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