

Oracle® FLEXCUBE Investor Servicing Product Release Notes



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Preface

Oracle FLEXCUBE Investor Servicing is a comprehensive mutual funds automation software from Oracle® Financial Servicing Software Ltd.©.

You can use the system to achieve optimum automation of all your mutual fund investor servicing processes, as it provides guidelines for specific tasks, descriptions of various features and processes, and general information.

This topic contains the following sub-topics:

- [Background](#)
- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Conventions](#)
- [Screenshot Disclaimer](#)
- [Acronyms and Abbreviations](#)

Background

Oracle Financial Services Software Limited has a transfer agency solution which enables asset management companies and transfer agency service providers to offer comprehensive investor servicing capabilities for unitized products. Further Oracle FLEXCUBE Investor Servicing (FCIS) also enables mutual fund companies to create a distributed network of branches for effective servicing and efficient handling of unit holder transactions.

Oracle FLEXCUBE Investor Servicing (FCIS) is a real-time online solution, enabled for multi-currency, multilingual, multi-entity, multi-instance operations. Its mission-critical and robust architecture and use of leading-edge industry standard products ensure almost limitless scalability.

Purpose

The purpose of this Release Note is to highlight the enhancements in Oracle FLEXCUBE Investor Servicing 14.7.7.0.0.

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 customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

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 ensure 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
boldface	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 user supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that user enter.

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

Acronyms and Abbreviations

Table 1 Acronym/Abbreviation

Acronym/Abbreviation	Description
JDK	Java Development Kit
FCIS	Oracle FLEXCUBE Investor Servicing
OHC	Oracle Help Center
OJET	Oracle JavaScript Extension Toolkit
UI	User Interface

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Release Notes - Introduction

This topic contains the following sub-topics:

- [Release Highlights](#)
- [Release Enhancements](#)

1.1 Release Highlights

The scope of the current release **Oracle FLEXCUBE Investor Servicing 14.8.0.0.0** includes support for:

- Adopting Redwood theme for **Oracle FLEXCUBE Investor Servicing**
- Conductor Based workflow in Microservices Architecture
- Supporting for SWIFT messages from Distributor perspective
- Changes in Entity Length characters
- SWIFT messages upgrade and OJET upgrade
- Upgrades in JDK, 3p Jars and Tech Stack

1.2 Release Enhancements

Adopting Redwood Designs

We are adopting Redwood designs for **Oracle FLEXCUBE Investor Servicing**, a wellresearched and widely adopted design system across Oracle applications.

- The clarity of purpose tenet of the Redwood design philosophy emphasizes the importance of having a clear and specific purpose for every design element, feature, and interaction within a product. This means that each element of the design should serve a clear and distinct purpose, and that purpose should be immediately apparent to the user.
- Further the Oracle Redwood design philosophy places a strong emphasis on designing for users, with a focus on user needs and user experience. The design philosophy is datadriven, meaning that design decisions are informed by user data and feedback. It emphasizes accessibility and inclusivity, with a focus on designing products that are usable by everyone. Finally, it emphasizes simplicity and elegance in the visual presentation of solutions, prioritizing the use of white space, clean typography, and simple colour palettes to create a visually appealing interface. The adoption of Redwood theme will enhance **Oracle FLEXCUBE Investor Servicing** user experience.

Defining workflow for handling the Subscription Transactions

Oracle FLEXCUBE Investor Servicing (FCIS) now allows business to define a workflow for handling the subscription transactions. The business can define multiple stages in which information needs to be captured. The user interface of the workflow then allows front office user to capture details in the appropriate stage as per his persona.

The pre-defined stages for the subscription transaction process are:

- Initiation
- Validation/Enrichment
- Verification

Once these details are captured, the transaction is available for further processing.

Supporting SWIFT messages from Distributor perspective

We are supporting below SWIFT messages from distributor perspective. These are in addition to the same SWIFT messages being supported by FCIS when used by a Transfer agent.

As Sender:

- SubscriptionOrderV04 (setr.010.001.04)
- SubscriptionOrderCancellationRequestV04 (setr.011.001.04)
- SubscriptionBulkOrderV04 (setr.007.001.04)
- SubscriptionBulkOrderCancellationRequestV04 (setr.008.001.04)
- RedemptionOrderV04 (setr.004.001.04)
- RedemptionOrderCancellationRequestV04 (setr.005.001.04)
- RedemptionBulkOrderV04 (setr.001.001.04)
- RedemptionBulkOrderCancellationInstructionV04 (setr.002.001.04)
- SwitchOrderV04 (setr.013.001.04)
- SwitchOrderCancellationRequestV04 (setr.014.001.04)

As Receiver:

- SubscriptionBulkOrderConfirmationV04 (setr.009.001.04)
- SubscriptionOrderConfirmationV04 (setr.012.001.04)
- RedemptionBulkOrderConfirmationV04 (setr.003.001.04)
- RedemptionOrderConfirmationV04 (setr.006.001.04)
- SwitchOrderConfirmationV04 (setr.015.001.04)

Changing Entity Lengths Characters

The following is the list of fields in which the lengths of characters have been increased as part of this release:

- User Id: The length has been changed from 20 to 320.
- Customer Id: The length has been changed from 9 to 20.
- Customer Name: The length has been changed from 104 to 140.
- Bank Account Number: The length has been changed from 20 to 34.
- Account Name: The length has been changed from 100 to 140.

The recent changes in entity length have necessitated adjustments across multiple screens within our system. Specifically, the following screens have been identified as directly affected by these modifications. Each of these screens will require updates to ensure they can handle the new entity length parameters appropriately.

This may involve modifications to the user interface, data validation processes, and backend data handling to accommodate the extended entity lengths without compromising functionality or user experience.

- FCIS IPO Subscription Detail
- FCIS Subscription Transaction Detail
- FCIS Redemption Transaction Detail
- FCIS Transaction Switch Detail
- FCIS Transfer
- FCIS Block Transaction Detail
- FCIS Unblock Transaction Detail
- FCIS Consolidation Transaction Detail
- FCIS Split Transaction Detail
- FCIS Reissue Transaction Detail
- Policy Status Change Detail
- Policy Transaction-Surrender Detail
- Policy Transaction-Switch Detail
- Policy Transaction-TOPUP Detail
- Product Bonus Maintenance Detail
- Product Maintenance Detail
- Clear User Profile
- Hot Keys Maintenance
- Module Setup
- SMS Parameters Maintenance
- Unit Holder Maintenance Detail
- FCIS Broker Maintenance Detail
- FCIS Standing Instructions Detail
- Role Definition
- User Admin
- Pension Adjustment Order Detail

In addition to the directly impacted screens, several other functional screens are also affected by the changes in entity length. The impact on these screens may vary, but typically involves ensuring that the extended entity lengths are properly supported in all relevant operations, from data entry and storage to processing and display.

SWIFT Standard

The qualification has been completed according to the SWIFT 2023-2024 Standard, ensuring that all requirements and guidelines established by SWIFT for mandatory information. The qualification is done for both Incoming and Outgoing Messages. Please refer the pre-built Integrations document for the supported versions.

OJET Upgrade

OJET version is improved from 15.1.0 to 17.0.4.

JDK, 3p Jars and Tech Stack Upgrade

Oracle JDK version 17.0.12

Upgrades to 3p Jars

Tech stack - Oracle WebLogic version 14.1.2

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Components of the Software

Documents Accompanying the Software

The various documents accompanying the software are as follows:

- *Release Notes*
- *Installer Kit*
- *User Manuals and Installation manuals* can be accessed from <https://docs.oracle.com/en/industries/financial-services/flexcube-investor-servicing/index.html>

Software Components

Software Components of Oracle FLEXCUBE Investor Servicing 14.8.0.0.0 that form part of this release are as follows:

Application Server

- Java Sources
- UI Components (JS,XML)

Database Server

- Stored Procedures (Packages, Functions, Procedures, Triggers, Views)

Gateway

Java application layer

- Java sources
- Configuration files used for deployment

Messaging layer

- Stored Procedures (Packages, Functions, Procedures, Triggers, Views)

Services

- The WSDL files for the service supported
- The XSDs of the messages involved
- The service documents - describing the services

REST Services

Java application layer

- Java sources
- Configuration files used for deployment

Adapters

IS-UBS

FCIS DL Adapter for Mutual Fund Transactions, Fund Price

FCIS MDB Adapter

- UI Components (JS, XML)
- Java sources
- Stored Procedures (Packages, Functions, Procedures, Triggers, Views)

FCIS Callout Adapter

- Java sources
- Stored Procedures (Packages, Functions, Procedures, Triggers, Views)

FCIS Insulation Adapter

- Java sources
- Stored Procedures (Packages, Functions, Procedures, Triggers, Views)

Installation Utilities

- UI and Script based installation for Application Server, Database Server and Gateway
- Installation documents for
 - FCIS Application Deployment
 - Gateway

Online Help Files

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Deprecated Features

NA

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Annexure - A: Environment Details

Tech Stack - Oracle

Table 4-1 Tech Stack - Oracle

Component	Deployment Option	Machine	Operating System	Software	Version Number
Oracle FLEXCUBE Investor Servicing	UI-Host and Centralized	Application Server	Oracle Linux Server 8.7 (x86 64 Bit)	Oracle WebLogic	14.1.2.0.0
Oracle FLEXCUBE Investor Servicing	UI-Host and Centralized	Application Server	Oracle Linux Server 8.7 (x86 64 Bit)	Java HotSpot(TM) JDK (with WebLogic Application Server)	Oracle JDK 17.0.12
Oracle FLEXCUBE Investor Servicing	UI-Host and Centralized	Application Server	Oracle Linux Server 8.7 (x86 64 Bit)	Open Symphony Quartz	2.4.0
Oracle FLEXCUBE Investor Servicing	UI-Host and Centralized	Database Server	Oracle Linux Server 8.7 (x86 64 Bit)	Oracle RDBMS Enterprise Edition	Oracle Database 19c Enterprise Edition Release 19.26.0.0.0
Oracle FLEXCUBE Investor Servicing	UI-Host and Centralized	Client Machines #	Browser Supported	Mozilla Firefox	Mozilla Firefox - Version 132.*
Oracle FLEXCUBE Investor Servicing	UI-Host and Centralized	Client Machines #	Browser Supported	Google Chrome	Google Chrome - Version 131.*
Oracle FLEXCUBE Investor Servicing	UI-Host and Centralized	Client Machines #	Browser Supported	Safari	Apple Safari - Version 17.*
Oracle FLEXCUBE Investor Servicing	UI-Host and Centralized	Client Machines #	Browser Supported	Microsoft Edge	MS Edge: 131.*
Oracle FLEXCUBE Investor Servicing Integration Gateway	Web Services (incoming)	Integration Server	Oracle Linux Server 8.7 (x86 64 Bit)	Oracle WebLogic Server 14c	14.1.2.0.0

Table 4-1 (Cont.) Tech Stack - Oracle

Component	Deployment Option	Machine	Operating System	Software	Version Number
Oracle FLEXCUBE Investor Servicing Integration Gateway	HTTP Servlet (incoming)	Integration Server	Oracle Linux Server 8.7 (x86 64 Bit)	Oracle WebLogic Server 14c	14.1.2.0.0
Oracle FLEXCUBE Investor Servicing Integration Gateway	EJB (incoming)	Integration Server	Oracle Linux Server 8.7 (x86 64 Bit)	Oracle WebLogic Server 14c	14.1.2.0.0
Oracle FLEXCUBE Investor Servicing Integration Gateway	MDB (incoming)	Integration Server	Oracle Linux Server 8.7 (x86 64 Bit)	Oracle WebLogic Server 14c	14.1.2.0.0
Oracle FLEXCUBE Investor Servicing Integration Gateway	Notifications (outgoing)	Integration Server	Oracle Linux Server 8.7 (x86 64 Bit)	Oracle WebLogic Server 14c	14.1.2.0.0
Oracle FLEXCUBE Investor Servicing Machine Learning	Manual Deployment	Machine Learning Server	Oracle Linux Server 8.6 (x86 64 Bit)	Oracle Machine Learning for R (OML4R)	1.5.1

Note

- # Browser Support is no longer based on Operating Systems but strictly tied to the browser themselves, no matter which Operating Systems they are installed on. Current release is certified on client workstations with Windows 11 and Mac OS X. 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>.
- # Compatibility Mode: For Browsers, only Native mode is supported. View Compatibility mode should be disabled.
- Oracle Applications are developed and tested on Oracle Linux, which is optimized for performance, stability and security.

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Annexure – B: Third Party Software Details

For information on the third party software details, refer Oracle FLEXCUBE Investor Servicing 14.8.0.0.0 License Guide.

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Annexure – C: Module Code and Description

Table 6-1 Abbreviation

Abbreviation/ Acronym	Description
FCIS	Oracle FLEXCUBE Investor Servicing