Oracle® Financial Services
Compliance Studio Release Notes

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ORACLE®

Oracle Financial Services Compliance Studio Release Notes, Release 8.1.3.0.0

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Document Control

The following table lists document control of this guide.

Table   Document Control

Version Number	Revision Date	Change Log
8.1.3.0.0	September 2025	Updated the following sections: • New Features in This Release • Known Issues and Limitations

Preface

This section provides information on the Oracle Financial Services (OFS) Compliance Studio Release Notes.

Audience

This document is intended for users of OFS Compliance Studio, Release 8.1.3.0.0.

Related Documents

This section identifies additional resources to the OFS Compliance Studio. You can access additional documents from the Oracle Help Center.

Documentation Accessibility

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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.

Convention	Meaning
italic	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.

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Introduction

OFS Compliance Studio is an advanced analytics application that supercharges anti-financial crime programs for better customer due diligence, transaction monitoring, and investigations by leveraging the latest innovations in artificial intelligence, open-source technologies, and data management. It combines Oracle's Parallel Graph Analytics (PGX), Machine Learning for AML, Entity Resolution, Model Management and Governance, notebook-based code development and enables Contextual Investigations in one platform with complete and robust Model Management and Governance functionality.

1.1 Capabilities Offered by Compliance Studio

Compliance Studio has inbuilt advanced analytics for fighting financial crime on a robust platform that also allows for management and governance of user defined models and close integration with the Oracle Financial Services Crime and Compliance Management suite of applications.

- **Specific Use Cases for Financial Crime**
  - Behavioral ML models and Custom rules-based scenario frameworks for identifying suspicious patterns of behavior and generating alerts for review
  - Sanctions and AML Event Scoring for false positive prediction and disposition
  - Automated Scenario Calibration and Scenario Conversion Utility for Oracle AML Scenarios
  - Customer Risk Scoring
  - Customer Segmentation and Anomaly Detection
  - Typology Detection
- **The following capabilities are supported by the ML Foundation for Financial Crimes**
  - Integrated with Oracle Financial Crime Application Data and readily usable across the enterprise financial crime data lake
  - Pre-engineered features and transformations to address each use case
  - Simplified APIs for each stage of the modeling lifecycle
  - Leverage the power of Graph, Supervised ML, and Unsupervised ML to build typology detection models, detect anomalies, and risk score customers or events
  - Ongoing Monitoring of Model Performance and Concept Drift
- **Entity Resolution for Detection and Investigations**
  - Entity Resolution to enhance monitoring effectiveness and provide a single customer view
  - Linking and Resolution across internal and external data to improve single entity detection and enhance investigations
  - Allows for Scenario/Model detection across internal data
  - Multi-attribute enabled with ML boosts for Name/Address models

- – Prebuilt Integrations and easily configurable for Data Sources like ICIJ, Safari, etc
- **Graphs**
  - – Graph Pipeline feature allows you to view the data relationships in a graphical format.
  - – Graph Analytics will give Financial Institutions the ability to monitor the data financial institutions effectively. The data is organized as nodes, relationships, and properties (property data is stored on the nodes or relationships). The results of analytics algorithms are stored as transient properties of nodes and edges in the Graph.
- **Model Management and Governance**
  - – End-to-end management from model creation to model deployment
    - * Data Ingestion (Oracle DB, Graph, Hive)
    - * Model Development
    - * Supports virtually all open source packages, interpreters, etc.
    - * Process in Database or Big Data
    - * Model Training
    - * Model Performance Evaluation
    - * Model Explainability
    - * Model Tracking and Audit
    - * Approval Mechanisms
    - * Model Deployment
    - * Scheduling
    - * Ongoing Monitoring
    - * Analytics of Choice
    - * Choose from our proprietary models or bring your own
    - * Fully embedded Graph Analytics Engine and Financial Crime Model
    - * Embedded with a highly scalable in-memory Graph Analytics Engine (PGX)
    - * Industry's most intuitive Graph Query Language to gain rapid insights
- **Integrated with Oracle Financial Crime and Compliance Applications**
  - – Fully defined and sourced Financial Crime Graph Model supporting detection and investigation
  - – Integration with ECM and Investigation Toolkit to provide meaningful guidance to investigators for rules-based and ML-generated alerts
  - – Enterprise-ready and compatible with the underlying OFSAA framework
  - – Works with earlier 8.0.x releases of Oracle Financial Crime and Compliance Management Anti Money Laundering (AML), Enterprise Case Management, and Fraud applications

1.2 New Features in This Release

The following new features are incorporated in this release CS 8.1.3.0.0.

ML4AML

- Automated Scenario Calibration

- Cloning functionality: Users can replicate the notebooks that have been developed or run in one folder in any number of folders. This will allow the user to replicate the analysis carried out on one segment of data across other segments with minimal effort.

- ATL/BTL Partitioning: Users can partition tuning events generated by applying thresholds to tunable parameters. This allows users to easily create ATL/BTL populations for analysis without re-executing the scenarios.

- Scenario Conversion Utility Verification: Consistency between alerts generated by ASC and core Behavior Detection can now be validated across multiple threshold sets. This will allow customers to more quickly validate ASC scenario execution for a wide range of threshold sets.

- Behavioral Models

  - Feature Contributions for Non-Alerted Entities: Feature contributions for non-alerted entities are now tracked to support better risk management. Users can now better understand why any specific entity was not alerted.

  - Utilize Labels from Scenarios with Differing Lookbacks: A mechanism has been provided that allows users to create models from scenarios which do not have identical lookbacks or frequencies. This will allow customers to consolidate similar scenarios into a model even when these scenarios ran with varying lookbacks and frequencies.

  - New Base Features: New base features and red flag features have been added that cover a greater breadth of risks allowing customers to build behavioral models for a wider range of risks.

Model Pipelines

- Model Review: New screen to do peer-review for Drafts of Model Pipelines. Allows developers to review and received feedback on various aspects like Conceptual Soundness, Data Quality, Implementation Testing and Model Governance Assessment. These are admin-configurable and will allow for introduction of custom review types. Reviewers can also Clone the Drafts and update/execute to do validations on their own copy.

- Private Credential Injection: Allows individual users to optionally use their private credentials (without saving them in the system) for database connections. If not provided, connections will fall back to services accounts that is configured in Data Stores.

- Upper limit for Python memory consumption can now be enforced for Model Pipeline executions.

- Stage-level view is now available in Pipeline Canvas for enhanced navigation.

- Executions can now also be done at stage-level.

- Session Management: Allows users to create, manage and choose the runtime sessions. Runtime sessions are now synced between Pipeline Canvas and Notebook view.

- Git Integration: Configured Git URLs now show as drop-down for selection.

- Tags can now optionally be provided during Model Publish.

- Draft visibility can now also be restricted to private and shared with selected users and user-groups.

- Users can now directly create new sets from within Parameter Sets user interface.

- Dashboard outputs are now specific to logged-in user.

Workspace

- A new details screen has been introduced for comprehensive overview of workspace details and for simplified updates of workspace definition.

- Support for Materialized Views and Triggers in Data Sourcing.

- Workspace creation, which can take several minutes, has now been made as a background process. Workspace cards will now appear even for ongoing and failed creation processes.

- Object dependencies can now also be optionally included during metadata sourcing/migration.

Utilities

- New shell script utility to perform sync up of workspace schema with Data Model as an offline process.

- Scheduler Batches can now be exported/imported using a new utility.

System Admin

- New utility for independently exporting/importing Parameters Sets (of Model Pipelines).

- Gateway services will now be enabled by default.

- SAML POST support.

- Data Studio Options menu is now accessible by mapping DSUSRGRP and no longer necessitate IDENTITY ADMIN and IDENTITY AUTH.

Health and Application Monitoring

- Standardized logger format across services.

- Timezone used in logs is now configurable.

- Improved messaging and removal of redundant logging.

- Ability to download logs.

Model Catalog

- Download option now available for models.

- Support for creating AutoML models.

Datasets

- Performance improvements: Reduced memory footprint while using in Datasets in Pipelines.

- Script is now visible to users for seeded transformations.

- Sample size for profiling is now configurable.

Scheduler Services

- Ability to execute/schedule a batch with SYSDATE-X days.

- Support of scheduler notification emails to be configured for particular user.

- Support of scheduler objects export/import via rest based API's.

- Support of audit trail for scheduler service objects.

Technology Stack Changes

- Support for Java 17 and 21

- Support for OS: OEL9, OEL8 and Solaris

- Support for Python 3.8-12

- Additional support for Oracle DB 23 Client (apart from existing 19)

- The Product now carries updated versions of the following:

  – OJET 18.1

  – Data Studio 25.3.2

  – PGX 25.3.0

  – All third-party libraries upgraded to latest stable versions for improved performance and security.

1.3 Installing the Release

For detailed instructions on installing the release, see the OFS Compliance Studio Installation Guide.

1.4 Known Issues and Limitations

The following tables lists the Known Issues and Limitations in this release.

Table 1-1   Graph

S.No	Bug ID	Known Issues and Limitations	Workaround
1	35564509	ECM Graph - When a graph pipeline task fails and user "restarts" the run, the failed tasks throw "invalid table name" error.	User needs to schedule a new batch with all the failed tasks and re-execute
2	36381673	Event Pipeline fails when the same EVENT_CD comes from different DATA_ORIGIN.	NA
3	36779972	Customer to External Entity similarity edges are not visible in graph. Approve action from Manual Decision UI does not work.	NA
4	36977898	Unable to create edges between widgets inside Graph Definition UI.	Drag and drop the widget towards the right hand side of the UI and then create the edge

Table 1-2   Entity Resolution

S.No	Bug ID	Known Issues and Limitations	Workaround
5	36336726	Transliteration does not work for Chinese and Korean languages.	NA

Table 1-3   ML4AML Use Case

S.No	Bug ID	Known Issues and Limitations	Workaround
6	35872579	Scenario execution fails because the default python environment is attached to the notebook.	To avoid this issue, follow these steps: **1.** User has to navigate to the newly imported AML scenario notebook. **2.** Attach the proper Python Runtime environment with the session. The recommended value for the Python Runtime environment is default_<version>. For more information, see **Trigger Scenario Execution** section in the [OFS Compliance Studio Use Case Guide](#).
7	36373103	Failure in model fit for a model when parameters "feature_include", and "feature_must_include" are not None and control parameter "find_linear_combos =True".	To work, set parameter "find_linear_combos" = False.
8	37808107	Anomaly Scoring with PCAREC Technique is failing for KM, AGNES, and DBSCAN.	NA
9	37814999	Unsupervised Model - Getting an error while executing the DBSCAN deviation scoring logic with LDCOF and CBLOF technique.	NA
10	38174062	SM - Annual Model Monitoring: BTL Conversion Rate plot is displayed even when there are no valid records.	NA
11	38173989	SM - Annual Model Monitoring: Monthly Scenario Alert Summary is not being displayed.	NA

Table 1-3 (Cont.) ML4AML Use Case

S.No	Bug ID	Known Issues and Limitations	Workaround
12	38173417	SM - Monthly Model Monitoring: Margin Density Paragraph's dataframe is None.	NA

Table 1-4 User Activity

S.No	Bug ID	Known Issues and Limitations	Workaround
13	35953842	Data studio's dynamic forms "Drop down" gives error.	Invalidate the session and execute the notebook again.
14	37008227	Schema Creation Fails - Cannot Reuse the Same Name.	Create workspace with new name
15	36997284	Meta Service is failing after restarting the Compliance Studio.	To resolve this issue, follow these steps: 1. Navigate to `<OFS_COMPLIANCE_STUDIO_INSTALLATION_PATH>/deployed/ficdb/Utilities/LiquibaseCleanup` directory. 2. In Studio Schema, execute the **metaservice_databasechangelog_cleanup.sql** script. 3. Restart Compliance Studio

Table 1-4   (Cont.) User Activity

S.No	Bug ID	Known Issues and Limitations	Workaround
16	38171370	The authZType parameter is not being replaced in the `application.yml` file, and direct login to Data Studio is also not working.	To resolve this issue, follow these steps: 1. Navigate to the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/deployed/mmg-home/mmg-studio/conf` directory. 2. Open the `application.yml` file. 3. Under the saml configuration section, add the following line. `authZType: "<SAML/AAI>"` **Note**: • If Data Studio retrieve mapped groups from AAI, set authZType to **AAI**. • If Data Studio retrieve mapped groups from IDCS, set authZType to **SAML**. 4. Navigate to the `<COMPLIANCE_STUDIO_INSTALLATION_PATH>/mmg-home/mmg-studio/conf` directory 5. Open the `application.yml` file and repeat the same change made in the Step 3.
17	37387861	The user will not be able to log in to DataStudio directly if the AuthZ flag is enabled.	NA

Table 1-4 (Cont.) User Activity

S.No	Bug ID	Known Issues and Limitations	Workaround
18	38345192	An undefined error is displayed when creating a new workspace and attaching a Conda environment from the Compliance Studio UI.	To create the workspace: **1.** In the workspace, click **Details**. **2.** In the workspace schema, click **Edit** and attach the **Conda** environment.
19	38403218	The Compliance Studio UI is not displaying FCC UI contents, and a blank page is observed.	NA

Table 1-5 Scenario Conversion Utility

S.No	Bug ID	Known Issues and Limitations	Workaround
20	35943957	Scenario Conversion Utility - The Events are not getting generated for these(ML/AC) Networks of Accounts, Entities, and Customers, (ML/AC) Escalation in Inactive Account scenarios.	NA

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Hardware and Software Tech Stack Details

For more details on the Hardware and Software combinations, see *Oracle Financial Services Analytical Applications 8.1.2.0.0 Technology Matrix* available in the [OHC Tech Stack](#).

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Licensing Information

Licensing Information for details on the third-party software tool used, see the *OFSAA Licensing Information User Manual Release 8.1.3.0.0* available in the [Licensing Information User Manual](#).