

# Changelog

---

All notable changes to this project will be documented in this file.

The format is base on [Keep a Changelog](#), and this project adheres to [Semantic Versioning](#).

## [0.59.02.000] - TBD

### Added

- Issue [#798](#).
- Issue [#800](#).
- Issue [#801](#).
- Issue [#807](#).
- Issue [#811](#).
- Issue [#813](#).
- Issue [#815](#).
- Issue [#817](#).
- Issue [#819](#).

### Fixed

- Issue [#794](#).
- Issue [#796](#).

## [0.59.01.000] - 2025-10-28

### Fixed

- Issue [#787](#).

## [0.59.00.000] - 2025-10-28

### Added

- Issue [#648](#).
- Issue [#650](#).
- Issue [#652](#).
- Issue [#655](#).
- Issue [#657](#).
- Issue [#674](#).
- Issue [#675](#).
- Issue [#676](#).
- Issue [#677](#).
- Issue [#681](#).
- Issue [#682](#).
- Issue [#684](#).
- Issue [#693](#).

- Issue #698.
- Issue #699.
- Issue #701.
- Issue #706.
- Issue #707.
- Issue #708.
- Issue #722.
- Issue #724.
- Issue #725.
- Issue #726.
- Issue #727.
- Issue #730.
- Issue #731.
- Issue #732.
- Issue #741.
- Issue #744.
- Issue #760.
- Issue #772.

## Changed

- Issue #659.
- Issue #661.
- Issue #687.
- Issue #688.
- Issue #691.
- Issue #704.
- Issue #717.
- Issue #720.

## Fixed

- Issue #695.
- Issue #697.
- Issue #713.
- Issue #715.
- Issue #746.
- Issue #748.
- Issue #750.
- Issue #756.
- Issue #758.
- Issue #763.
- Issue #767.
- Issue #769.
- Issue #773.
- Issue #776.
- Issue #779.

- Issue #781.
- Issue #783.

[0.58.00.000] - 2025-01-19

Added

- Issue #642.

[0.57.00.000] - 2024-12-28

Added

- Issue #622.
- Issue #629.

Changed

- Issue #615.
- Issue #619.

[0.56.00.000] - 2024-12-21

Added

- Use Confluent Cloud for Apache Flink to handle the Avro Flight Consolidator App.

[0.55.00.000] - 2024-12-16

Added

- Issue #521.
- Issue #550.

Changed

- Upgraded the Snowflake Terraform Provider to version **1.0.0**.
- Upgraded the AWS Terraform Provider to version **5.81.0**.
- Upgraded the Confluent Terraform Provider to version **2.12.0**.
- Issue #543.

Fixed

- Issue #545.
- Issue #547.

[0.54.00.000] - 2024-11-30

Added

- Upgraded the Apache Flink to version **1.20.0**.

- Upgraded the Apache Iceberg to version [1.7.0](#).
- Now have Avro and JSON formatted data version of the Java Flink App.

## [0.53.00.000] - 2024-11-19

### Added

- Issue [#79](#).
- Issue [#441](#).
- Issue [#447](#).
- Issue [#457](#).
- Issue [#469](#).
- Issue [#470](#).
- Issue [#474](#).
- Issue [#476](#).

### Changed

- Updated the AWS Terraform Provider to version [5.75.0](#).
- Updated the Confluent Terraform Provider to version [2.9.0](#).
- Updated the Snowflake Terraform Provider to version [0.97.0](#).
- Issue [#444](#).
- Issue [#449](#).
- Issue [#455](#).

### Fixed

- Issue [#451](#).
- Issue [#453](#).

## [0.52.00.000] - 2024-11-07

### Added

- Issue [#390](#).
- Issue [#393](#).
- Issue [#399](#).
- Issue [#404](#).
- Issue [#407](#).
- Issue [#411](#).
- Issue [#414](#).
- Issue [#417](#).
- Issue [#420](#).
- Issue [#435](#).

### Changed

- Issue [#386](#).
- Issue [#401](#).

- Issue #409.
- Issue #418.
- Issue #428.
- Issue #432.
- Issue #437.

Fixed

- Issue #388.
- Issue #396.

[0.51.02.000] - 2024-10-20

Changed

- Issue #384.

[0.51.01.000] - 2024-10-20

Changed

- Issue #382.

[0.51.00.000] - 2024-10-19

Changed

- Issue #376.
- Issue #378.

[0.50.00.000] - 2024-10-18

Added

- Issue #31.
- Issue #362.
- Issue #364.

Changed

- Issue #368.
- Issue #369.

Fixed

- Issue #316.

[0.42.00.000] - 2024-10-15

Added

- How to create a User-Defined Table Function (UDTF) in PyFlink to fetch data from an external source for your Flink App? [markdown](#).

## Changed

- Tweaked 'README.md`'s.
- Tweaked code.

[0.41.02.000] - 2024-10-12

## Added

- Issue #101.
- Issue #301.

[0.41.01.000] - 2024-10-12

## Added

- Tweaked the [README.md](#)s.

[0.41.00.000] - 2024-10-12

## Changed

- Issue #330.
- Issue #328.

[0.40.00.000] - 2024-10-11

## Changed

- Issue #325.

## Fixed

- Resolved issue #315 in issue #325 resolution.

[0.35.01.000] - 2024-10-10

## Changed

- Tweaked main [README.md](#).

[0.35.00.000] - 2024-10-10

## Added

- Added the [KNOWNISSUES.md](#).

## Changed

- Refactored the Java models.
- Refactored the Dockerfiles.

## [0.30.10.000] - 2024-10-08

### Added

- Sink the data in DataGeneratorApp datastreams to Apache Iceberg Tables.

### Changed

- No longer makes a distinction between languages when creating the Docker containers.

## [0.30.02.000] - 2024-10-08

### Added

- Markdowns that explain in detail the `run-terraform-locally.sh` and `run-flink-locally.sh`, respectively.

### Changed

- Tweaked main `README.md`.

### Fixed

- Typo in the comments on the `run-flink-locally.sh` BASH script.

## [0.30.01.000] - 2024-10-07

### Changed

- Tweaked the Java and Python `README.md`s, respectively.
- Automatically zip the Python files via the `run-flink-locally.sh` BASH script.

## [0.30.00.000] - 2024-10-07

### Added

- Converted FlightImporterApp.java to `flight_importer_app.py`.
- Converted UserStatisticsApp.java to `user_statistics_app.py`.
- Sink FlightImporterApp and UserStatisticsApp Apache Iceberg Tables.
- Use User-Defined Table Function in Python to call AWS Services.

### Changed

- `try-with-resources`

## [0.25.00.000] - 2024-09-08

### Added

- Terraform the AWS S3 bucket that is used for Apache Iceberg file storage.
- Updated the `run-terraform-locally.sh` Bash script handles both the plan/apply and destroy actions.
- Terraform the AWS Secrets Manager Secrets for the Snowflake credentials.
- Terraform Snowflake resources.
- Add Unit Tests.

## Changed

- Split the Terraform configuration into different files based on the jobs of each.
- Updated the `README.md` files.
- Removed Project Nessie and MINIO docker containers from the `docker-compose.yml`
- Upgrade Terraform AWS Provider to `5.66.0`, Terraform Snowflake Provider to `0.95.0`, and Terraform Confluent Provider to `2.1.0`.
- Replaced deprecated Confluent and Snowflake resource/data blocks with updated resource/data blocks.
- Refactor `run-terraform-locally.sh` BASH script to accommodate all the new arguments for Snowflake.
- Use the `service_account_user` variable as the secrets insert value, and to customize the naming of all the resources.

## [0.22.01.000] - 2024-08-18

### Fixed

- Store and use the arguments pass to the `ConfluentClientConfigurationLookup` constructor.

## [0.22.00.000] - 2024-08-17

### Added

- Added GitHub Workflow/Actions to execute the Terraform configuration in the cloud.
- Removed all deprecated calls in the creation of the Apache Flink custom Data Source.
- the `terraform.tfvars` is auto-generated in script.
- new Apache Iceberg dependencies.
- commented the code in various modules.

## Changed

- Updated `README.md` files
- Refactored the project file organization.

## [0.21.00.000] - 2024-08-12

### Changed

- Updated main `README.md` file.

## [0.20.00.000] - 2024-08-12

## Added

- Terraform the Confluent Cloud and AWS resources now.
- Created the `force-aws-secrets-destory.sh` Bash script.
- Instructions to the main `README.md` to run Terraform locally.

## Changed

- Updated `README.md` files.
- Updated Kafka Topic names.

## Fixed

- Now pass `AWS_SESSION_TOKEN` to the Apache Flink docker containers.

[0.10.00.000] - 2024-08-10

## Added

- Created Docker containers for Apache Flink, and load them from the newly added `docker-compose.yml`.
- Created the `run-flink.locally.sh` Bash script to get the AWS credentials and pass them to `docker-compose`.
- the `Glossary.md`

## Changed

- Refactored all the DAGs.
- Refactored the `README.md` files.
- Now refer to the Flink Jobs as Flink Apps.

[0.02.00.000] - 2024-08-05

## Changed

- Updated main `README.md`.
- Fixed typo(s) in Java build.
- Fixed typo(s) in Java built DAGs.

[0.01.00.000] - 2024-08-04

## Added

- First release.