

# Changelog

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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](#).

## [0.59.00.000] - 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-wtih-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-destroy.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.