



FABRIC RELEASE NOTES

FABRIC V8.4.2 RELEASE NOTES

These Release Notes describe the new features in Fabric release V8.4.2 and list bugs that have been fixed since the latest V8.4.1 release.

Certification of this Fabric release is based on:

3 rd Party Name	Included with Fabric	3 rd Party Server
Cassandra	java-driver-core-4.17.0.jar	4.1.11
Elasticsearch	8.13.1	8.5.3
Kafka	3.9.1	confluent-8.1.1
Neo4j Enterprise	5.26.25	-
OpenJDK Runtime Environment	openjdk-21.0.10+7-LTS	openjdk-21.0.10+7-LTS
OpenSearch	3.4.0	AWS 1.3.4
PostgreSQL	postgresql-42.7.8.jar	17.5
SQLite	3.46.1	-

MAIN FEATURES AND IMPROVEMENTS

- DocumentAssemble Actor now supports CLASS-based LU table naming through `luTablesNamedBy` (default: `FIELD`), ensuring compatibility with both Studio LU table naming modes (`FIELD / CLASS`).
- Performance improvements were introduced for environments where Fabric microDB storage is maintained in GCS and Fabric is hosted on GCP, by setting the default `HTTP_CLIENT_TYPE` to `GRPC`.
- Modified the `AbstractRandomGenerator Actor` so the `action()` input parameter is no longer `final`, allowing end users to manipulate input/output values (for example, the seed) before the generator is called.

RESOLVED ISSUES

- Web Studio – resolve the Auto Deploy All feature so it works properly when enabled.
- Catalog – The build artifact progress is not displayed correctly when monitoring a data platform that was deleted in the past.
- Ticket #48910 - resolved an issue where sequence functionality worked only when a field was marked as PII.
- Ticket #48903 – Update the product API `/api/lu/<lu-name>` to exclude LU populations marked as disabled from the response.



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- Ticket #47755 – enable the creation of linkages between Actors even when the Actor name contains spaces.
- Ticket #48878 – update the sourceDBQuery Actor to return integers as numbers in the schema definition.
- Ticket #49020 – the Data Viewer displayed all Fabric tables instead of showing only the specific tables for each LU.
- Ticket #49040 – in Fabric DB One, the DBCommand Actor `ResultSet` now preserves the case sensitivity of selected column name aliases. This behavior can be controlled by the `ALWAYS_QUOTES_INTERNAL_QUERIES` parameter in `config.ini` under the `[fabric]` section (default: `true`).
- Resolved 3rd party security vulnerabilities
 - Upgrade neo4j from 5.26.24 to 5.26.25
 - Upgrade Cassandra to 4.1.11
 - Upgrade JDK to openjdk-21.0.10+7-LTS
 - Upgrade kafka-clients-3.9.1.jar to kafka-clients-3.9.2.jar
 - Remove dependency in rhino-1.7.7.2.jar
 - Web Studio – upgrade Java Plugin from 1.53.0 to 1.54.0
 - Upgrade log4j-core-2.22.0.jar to log4j-core-2.25.4.jar in reset drop.
 - Web Studio - remove the vscode ms-toolsai.jupyter Plugin.