FABRIC RELEASE NOTES

FABRIC V6.4.4 RELEASE NOTES

These Release Notes describe the new features in Fabric version 6.4.4 and lists bugs that have been fixed since version 6.4.3.

Certification of this Fabric release is based on:

- Cassandra version 3.11.6 (updated package for Cassandra as a service).
- SQLite version 3.27.2.
- Open JDK version jdk-8u252.
- Confluent Kafka version 5.5.1.
- OrientDB tp3-3.1.2.
- Elastic oss-7.6.0.

MAIN FEATURES AND IMPROVEMENTS

iidFinder

- When the first sync of delta partition fails, the LUI is built including the empty schema. The only LUI table which includes data in this case is _k2_delta_errors. Upon the next successful sync, the LUI data will be populated, and the errors will be removed.
- Supports UTF-8 encoding for all String activities.

Support Get with Failures

- New parameter was added to the **GET** command: STOP_ON_ERROR (default = true).
    - When this parameter is set to **false**, Fabric supports a GET of several LUIs even if the sync of one LUI fails. Fabric does not abort the GET of other LUIs if the exception occurred and returns the list of IIDs and the exceptions.
    - Syntax: `get Customer.1, CRM.34 STOP_ON_ERROR=false;`

RESOLVED ISSUES

- Kafka interface now supports SASL_SSL and SASL_PLAINTEXT security protocols. The new fields **Session User Name** and **Session Password** were added to the interface screen in the Fabric Studio.
- Ticket **20416**: Additional unneeded connections were opened if a DB interface was deployed as part of the Environment during the MIGRATE run. The issue is fixed now.
- Ticket **21929**: The BROADWAY_JOB fails when one of its ARGS includes a reserved word (such as 'partition', 'parser', etc.). The issue is fixed now.

- Ticket **22067:** Fabric fails to deploy a second LU that shares the same 3-lettered prefix as an LU that has already been deployed, even though the second LU is not using iidFinder. Fix: an error is thrown if the second LU shares the same 3-lettered prefix as a previously deployed LU, but only if both LUs use iidFinder.

- Ticket **22095**: Floating point operations frequently cause trailing digits when using Broadway built-in actors. For example, 20.01 when multiplied by 10000000000 should give a result of 200100000000, but instead it gives 200100000000.00003. To prevent the trailing digits, a **decimalPlaces** argument option was added, so that the user can set to how many digits the calculation is to be carried out. This support was added to **math** category Actors (Add, Divide, Multiply, Power, Root and Aggregate), and a new **NumberFormat** Actor was added.

- Ticket **22147**: The Broadway flow is not saved in the Studio using **Ctrl+s** even though it used to save the flow prior to V6.4.2. The issue is fixed now.

- Ticket **22190**: Fabric SQL parser throws an error on RANK() OVER. The issue is fixed now.

- The number of retries to check the Fabric state was set to 10, as a "hardcoded" value. A new environment variable UNKNOWN_STATE_MAX_RETRIES was added to make it configurable. The default is 10.