FABRIC RELEASE NOTES

FABRIC V7.2.1 RELEASE NOTES

These Release Notes describe the new features in Fabric release V7.2.1 and list bugs that have been fixed since the V7.2.0 release.

Certification of this Fabric release is based on:

- Cassandra version 4.1.3
- SQLite version 3.44.1.0
- Open JDK Runtime Environment (build 17.0.8+7)
- Confluent Kafka version 7.2.1
- Neo4j 5.12.0 - enterprise
- Elasticsearch - 8.5.3
- AWS OpenSearch – 1.3.4
- PostgreSQL 15.4 (Debian 15.4-1.pgdg120+1)

MAIN FEATURES AND IMPROVEMENTS

1. Fabric Catalog

- Major performance improvements and optimizations while running the Discovery job and saving the Catalog schema into the neo4j GraphDB.
- Discovery can now be performed on the Salesforce DB.
- The Plugin Framework enables the following new settings, via the *plugins.discovery* file:
    - An exclusion and/or inclusion list can be set per data platform, to limit the list of schemas and datasets that are being crawled by the Discovery Job.
    - An exclusion list can be set as an input parameter of both the *Metadata Regex Classifier* and *Classification PII Marker* plugins, to exclude fields with a predefined name or type from the plugin's logic.

    https://support.k2view.com/Academy/articles/39_fabric_catalog/04_plugin_framework.html
- New Catalog Application functions and usability improvements:
    - 'Show only connected' icon in the menu bar allows to keep displaying only the predecessors and successors of the selected node, whilst hiding all the rest. It is useful for complex schemas with many datasets and relations.
    - Running a Discovery job is now available for the data platforms that already exist in the Catalog. This option is accessible via either the 'Run Discovery' icon in the menu bar or the data platform's context menu.

o Viewing the Catalog's statistics is available at a schema level, via the 'Schema Insights' icon in the menu bar. In a regular view, it shows a total number of datasets, fields, relations and PII properties. In a comparison view, it shows the updates, per each group - datasets, fields, relations and PII properties.

o 'Data Viewer' icon in the menu bar allows you to connect to the selected data platform and query its data, using the Fabric's Query Builder.

o The Catalog Application is now split into 2 tabs: Navigator and Settings.

https://support.k2view.com/Academy/articles/39_fabric_catalog/05_catalog_app.html
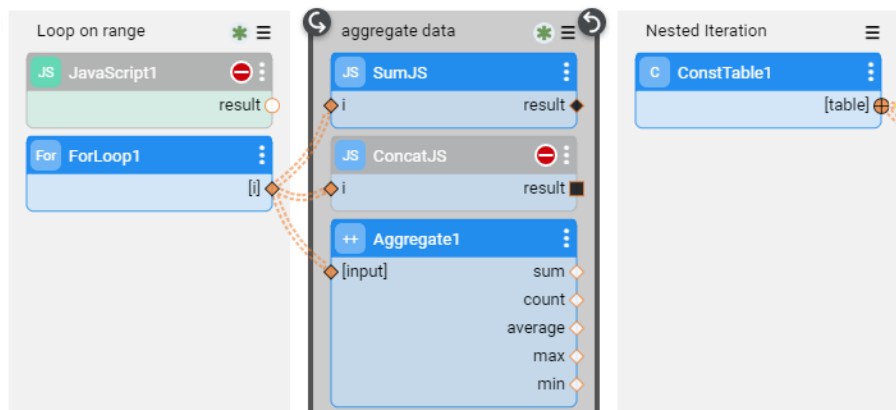
2. Broadway

Usability

- **Cut Selection** – a new action is now available in the Actor's context menu. It cuts the selected Actors as well as the links between them. The selection can then be pasted into either the same or a different flow.
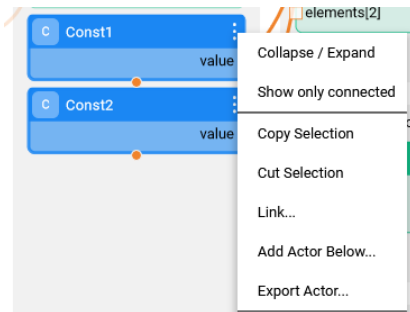
- **Disabled** actors are now marked with an icon (as shown below), which improves their visibility in large flows (Ticket 36168).

New Actors

- **DeepCopy** Actor allows you to create a copy of a map or a collection, specifying the depth of the recursion.

- **Pace** Actor is used for reporting the pace of calls. The pace is reported to the actor's output and optionally to the log. This actor can be used either in iterations or as the logic for a Peek Actor when traversing a stream.

Modified Actors

- All **CatalogMasking** & **CatalogGenerator** Actors have been enhanced by the below parameters with the following default values:
  - **category** = enable_masking, **hashedInpitValue** = true, **useExecutionId** = false, **useEnvironment** = false, **useInstanceId** = true, **TTL** = 86400, **onEmpty** = LEAVE_EMPTY

3. Miscellaneous

- **Fabric and project dependencies with no collisions.** Fabric's dependencies can now be isolated from the project's dependencies. By default, the current functionality is preserved, which means there is no isolation between Fabric and project dependencies.

  https://support.k2view.com/Academy/articles/COE/Fabric_Implementation_Best_Practices/best_practice_dependencies.html

- **SSH-RSA support.** SSH and SFTP interface types now include the parameter that defines whether to support an SSH-RSA protocol. For all existing SSH and SFTP interfaces, this parameter will be automatically set to true.

- **iidFinder** now supports **AWS keyspaces** (in addition to Cassandra).

- **Secret Manager.** Fabric now supports integration with CyberArk CCP.

- **Bootstrap credentials settings.** Fabric can be initially started with predefined API keys, roles and permissions.

  https://support.k2view.com/Academy/articles/17_fabric_credentials/01_fabric_credentials_overview.html#bootstrap-credentials

- **HTTP OAuth authentication enhancement**. Fabric now supports adding access token parameters into the request body (Ticket 35246).

- **Revoke permissions**. When all permissions for *role and method* pair were revoked, the permission entry is removed from the list, thus avoiding users' confusions (Ticket 36428).

- **Studio's Environments window usability improvement**. The *Test connection* column was repositioned to the left side of the Environments object, for better visibility and accessibility.

- **Remote deploy using API key**. Fabric now supports using API key token as the "remote deploy" request's credentials.

RESOLVED ISSUES

- Ticket 35998 - Catalog - Classifiers/Masking Issue. The problem has been resolved.

- Ticket 36217 – the batch starts running less instances than the MAX_WORKERS_PER_NODE. The problem has been resolved.

- Ticket 36394 – Catalog Masking actor is not masking data. The problem has been resolved.

- Ticket 36478 – when building artifacts for Catalog, only 1000 rows were populated in the catalog_field_info.csv. The problem has been resolved.

- Ticket 36541 – IIDFinder xml review. The problem has been resolved.