



FABRIC RELEASE NOTES

FABRIC V8.4.1 RELEASE NOTES

These Release Notes describe the new features in Fabric release V8.4.1 and list bugs that have been fixed since the latest V8.4.0 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	4.1.8
Elasticsearch	8.13.1	8.5.3
Kafka	3.9.1	confluent-8.1.1
Neo4j Enterprise	5.26.24	-
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

1. Fabric Catalog

The Discovery & Catalog solution has been enhanced with the following features and fixes:

- **Creating a custom plugin via Fabric Studio:**
 - Introducing an easy way to extend the Catalog's core capabilities beyond the baseline configuration – by adding a custom plugin based on project-specific requirements. The plugin can be created in the Fabric Studio, deployed to a selected LU, and then added to the Discovery Pipeline to be executed as part of the discovery process.
https://support.k2view.com/Academy/articles/39_fabric_catalog/plugins/06_creating_custom_plugin.html
- **Trim Extra Relations Plugin:**
 - This new plugin identifies and removes redundant *refersTo* relationships between the datasets created by other relations plugins. This optimization simplifies the data model and improves overall clarity.
https://support.k2view.com/Academy/articles/39_fabric_catalog/plugins/05_relations_creation.html
- **Reference by Query Analysis Plugin:**
 - This existing plugin has been enhanced with a new rule *joinOnlyNoPkCheck* to create logical FKs based on the fields in the query's JOIN without checking the table's PKs.
https://support.k2view.com/Academy/articles/39_fabric_catalog/plugins/05_relations_creation.html



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- Catalog bug fixes:
 - Discovery didn't work correctly when a schema name included the '+' sign.
 - The *commonFieldsInBothPk* rule of the relations plugin has been refined to create the relation when the child dataset's PK is a strict superset of the parent's PK. Additionally, a bug in relation creation with a composite key has been fixed.
 - Discovery was failing to run on Cassandra DB due to a regression issue.

2. Studio

- **Exchange VSIX Native Support:** Web Studio environments without access to the K2Exchange repository (air-gapped environments) can now consume extensions smoothly. To enable this, place the extension's VSIX files in the project (by default, under the project-resources folder); the environment will load extensions from that location instead of K2Exchange.

3. Miscellaneous

- Two new JMX matrices, *InterfaceConnectFail* and *InterfaceConnectSuccess*, were added under the resources section for each interface to display the number of failed and successful connection attempts.
- The System DB loader default configuration has been set to batch mode, and performance has been improved by adding caching to *PreparedStatementDelegate*.

RESOLVED ISSUES

- There was a problem running the Web Studio in Safari on Mac, which has been fixed.
- Bug fix in the LIST BF command, when invoked for a custom actor with no input parameters.
- Bug fix in Broadway populations: when opening a population and selecting the *SourceDbQuery* actor, the population was automatically marked as changed.
- Ticket #48441 – When running discovery via the monitor "run" button, the button didn't become disabled for the first few seconds. As a result, it caused confusion about whether the process was running or not.
- Ticket #48552 – The document returned from the *documentAssemble* actor was missing data since complex types were created incorrectly in the Catalog.
- Ticket #48766 – Option Set Analyzer plugin did not save the values in the CSV file when a field was assigned a classification other than *OPTION_SET*.
- Ticket #48808 – Option Set Analyzer plugin did not pick up a classified field even if its name was added to the plugin's *fieldNameIncludeList* input parameter in the Discovery Pipeline settings.
- Resolved 3rd party security vulnerabilities.
- Included fixes merged from Fabric 8.3.5 and Fabric 8.3.6 releases.