



FABRIC V8.5.1 RELEASE NOTES

These Release Notes describe the new features in Fabric release V8.5.1 and list the bugs that have been fixed since the latest V8.5.0 release.

Certification of this Fabric release is based on:

3 rd Party Name	Included with Fabric	3 rd Party Server
Cassandra	Cassandra-driver-core-3.11.5	4.1.8
Elasticsearch	8.13.1	8.5.3
Kafka	3.9.2	Confluent-8.1.1
Neo4j Enterprise	5.26.30	-
OpenJDK Runtime Environment	openjdk-21.0.12+8	openjdk-21.0.12+8
OpenSearch	3.4.0	AWS 1.3.4
PostgreSQL	postgresql-42.7.13.jar	18.4
SQLite	3.46.1	-

LLM connectors (like OpenAI and Anthropic): use version 3.X

MAIN FEATURES AND IMPROVEMENTS

1. Studio

- **AI**
 - Server-side conversation compaction, with configurable thresholds, so long AI chat sessions no longer blow past context limits.
 - Per-session model selector plus in-thread badges showing which model answered each message.
 - Disabled several agents and moved their capabilities into skills, as part of usage simplification, letting k2assistant lead.
 - Custom LLM Providers:
 - Support for adding headers to the request.
 - Support for using Fabric as an LLM provider, letting an organization provision an interface with an API key to any LLM provider, without handing the key itself to developers.



FABRIC RELEASE NOTES

- AI features embedded in Broadway UI have been removed: Actions → Flow Info (AI Generated) and the AI (Co-pilot) option. Both are superseded by Studio AI with more powerful capabilities.
- **Terminal:** Copy and paste improved, for example - paste no longer triggers a browser permission prompt.
- **Editor / Workspace:** Editors can now be undocked into a secondary window.

2. Catalog

- **LLM Domain** is a new LLM-based plugin for creating a tag/property on each dataset (based on dataset columns and their descriptions) and on each schema (based on schema datasets and their descriptions).
- **Bulk Dimension Loader** is a new plugin for loading various properties (e.g. description) from the given input file. The properties can be created on any level of the Catalog hierarchy: data platform, schema, dataset or field.
- **Option Set Analyzer** plugin has been enhanced with the ability to convert SQL CONSTRAINT definitions into Option Set values.
 - This change has been certified for PostgreSQL, Oracle and MSSQL DBs.
- The performance of the **LLM Relations** plugin has been improved.
- The existing **LLM Profiling** plugin was creating a new version in KEEP_EXISTING incremental mode, even when no changes were found.

3. Miscellaneous

- Stream Sync improvements and defect fixes.
- Improved the labels and styling of the K2Admin Affinity screen.
- Introduced support for adhoc tables in FabricDB, allowing user-owned tables and indexes to persist across schema evolution while remaining fully accessible through Fabric and JDBC introspection.
- Enhanced the BuildAndDeploy scripts to support Bearer authentication.
- Add the ability to run `buildArtifacts.sh` without additional arguments, using environment variables to build the artifacts.
- Fabric can now act as an LLM provider: clients, including Studio AI, consume models through a Fabric AI LLM interface, as OpenAI compatible. By adopting this, credentials stay in Fabric, users don't need their own API keys, and the organization controls LLM access centrally.
- Enhanced HTTP interface, added support for `TokenTimeout = -1` (or any negative value) to cache tokens indefinitely when no expiration is provided by the server.



RESOLVED ISSUES

- Mdb_export command was enhanced to correctly handle LU views.
- Fixed an issue where Affinity settings could not be saved when the DC name (as set by the environment) contained a "-" character, causing Affinity validation to fail in the Web Admin.
- Fixed an issue building Catalog artifacts when it includes a data platform & schema without 'Total Fields' and/or 'Total Relations' properties.
- Ticket #50680 - MCP tool with an external name that has spaces – failed
- Ticket #50706 – **SourceDbQuery** Issues with Binding & Links
- Ticket #50723 – an API request with an unsupported `Accept` header (e.g., `application/xml`) against a JSON-only GraphIt endpoint correctly returns HTTP 406, but the `error.graphit` response body was incorrectly serialized as XML instead of JSON.
- Ticket #50886 – Broadway – Removed the original values of overridden parameters from error objects.
- Ticket #50905 – BW UI Editor for MaskingInnerFlow actor always opens main flow instead of formatter flow when both are set in actor's properties.
- Ticket #51051 – Catalog build is not cleaning up temp .tsv files.
- Ticket #51070 – fixed a UI glitch in the Commands tab of K2Admin.
- Ticket #51072 - Studio AI chat home button doesn't work for long sessions.
- Ticket #51179 – **DbLoad**: In auto-dialect mode, determine the required escaping based on IoSession probing.
- Ticket #51260 – LongName and ShortName Masking Issue with JavaScript actor with flowArgs statement.
- Ticket #51269 – Catalog settings performance is very slow.
- Ticket #51180 – enhanced the Deploy and Deploy Environment APIs to support all Fabric authentication methods.
- Ticket #51293 - Environments editor - switching between interfaces sometimes showed the first selection
- The following 3rd Party tools were upgraded:
 - openjdk-21.0.12+8
 - Neo4J – 5.26.30
 - Netty-codec-http2 – 4.1.137
 - Netty-transport-sctp – 4.1.137
 - Netty-codec – 4.1.137
 - Node – 24.20.0
 - Log4J – 2.26.1



FABRIC RELEASE NOTES

- Tomcat – 11.0.25
- Remove httpcomponents dependency