



TDM V9.4.2 RELEASE NOTES

These Release Notes describe the new features in TDM release V9.4.2 and list bugs that have been fixed since the V9.4.1 release.

- Certification of this TDM release is based on:
 - Fabric 8.3.0 HF4
 - PostgreSQL 17
 - BigQuery extension v1.5.2

MAIN FEATURES AND IMPROVEMENTS

- **Ticket #45612 — adding support for a Logical Unit (LU) based on BigQuery that includes a combination of standard tables and tables with complex field structures.** In previous TDM versions, complex fields were treated as text. Starting with TDM V9.4.2, the system disassembles complex fields based on the catalog, masks sensitive attributes as needed, and then reassembles the fields before loading them into the target.
- This enhancement enables:
 - Masking sensitive data within complex fields.
 - Proper generation of synthetic data with correct data types.
- **Note:** Catalog masking does not apply to arrays that contain only primitive values, such as numbers or text strings. These arrays are flattened into a child LU table, where each element is written as a separate record in the `_value` field. If masking is required for these values, the implementor must apply the masking logic manually.

RESOLVED ISSUES

- Ticket #45336 — fixing extract and load task execution to run the GET LUI command on the source environment's DC (data center), if one is defined in the environment.
- Ticket #45584 — fixing the retrieval of the TDMDB_SCHEMA Global value. The system now obtains this value from the current LU in scope, instead of executing the flow that sets the TDMDB_SCHEMA value on the TDM LU. This change prevents errors when the TDM LU has not yet been deployed.
- Ticket #45693 — fixing an infinite loop issue in table-level load tasks caused by self-referencing tables during execution order calculation.
- Ticket #45764 — fixing an issue where a custom flow defined for a specific table affected all tables under the same interface. The fix ensures that the custom flow now applies only to the selected table.
- Ticket #46086 — BigQuery — fixing masking at table level for tasks using the *Do Not Retain* policy (no data stored in Fabric).



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- Ticket #45797 — fixing the TDM upgrade process to ensure that TDM Globals are upgraded correctly.
- Tickets #45746 and #46212 — fixing the TDM upgrade process to prevent failures when the upgraded Logical Unit (LU) does not include delete flows.
- Ticket #45490 — improving performance on the TDM APIs that extract data for the Tasks window within the TDM self-service application.
- Ticket #46271 — fixing an execution error in table-level tasks caused by filters that assign a value containing spaces or special characters to a table field.
- Ticket #46468 — fixing the environment setting for the masking process when running table-level tasks.
- Ticket #46481 — fixing the *TDMLUInitBasedOnFabric* flow to prevent errors during repeated runs.
- Table-level tasks — removing quotes from field names when adding filters to task tables.
- TDM templates — resolving an issue in the *TDMLUInitBasedOnFabric* flow, where re-running the flow on an LU (after the initial execution) resulted in an error.
- Task window - fixing the entity selection by business parameters when using the param coupling mode and the '>=' operator together.