



TDM V10.1 RELEASE NOTES

These Release Notes describe the new features and enhancements introduced in TDM V10.1 and list the issues resolved since the V10.0.1 release.

- Certification of this TDM release is based on:
 - Fabric 8.5.x
 - PostgreSQL 18.4

MAIN FEATURES AND IMPROVEMENTS

1. Masking Compliance Reports

- TDM introduces **Masking Compliance Reports**, providing security, compliance, and data teams with an audit-ready view of how sensitive data is protected throughout the test data lifecycle - from masking policy configuration to task execution. These reports help organizations monitor, demonstrate, and maintain masking compliance by providing visibility into configured masking policies and how they are applied during test data executions.
- The following reports and reporting capabilities have been added:
 - **Masking Policy Report** – Provides an overview of the current masking configuration in the Catalog, as well as the sensitive and non-sensitive source environments defined in the TDM App. The report includes masking classifications and data generators, interfaces and datasets (tables) containing sensitive fields, the masking classifications assigned to these fields, and other relevant details.
 - **Masking Execution Report** – Provides a record of masking executions within the selected reporting period, including the masking classifications and data generators applied in each execution. This report enables organizations to audit how masking policies are applied during executions and identify potential compliance gaps.
 - **Masking Details per Execution** – A new Masking tab has been added to the task execution report (Excel). For each task execution, the tab provides detailed information about masked tables and fields, including the masking classifications and data generators applied to each field. It also includes information about non-sensitive fields and other masking details, giving teams traceability into individual executions and supporting compliance investigations.
- **Configurable Masking Execution Reporting** – The availability of masking execution details in the reports depends on the TDM configuration. To report masking activities for task executions, the MASKING_REPORT_FLAG configuration parameter must be set to true. Executions performed while this flag is set to false do not report their masking activities and are displayed as *Not Masked/Not Reported* in the reports. This setting allows organizations to control whether masking execution details are collected for reporting purposes.



2. Table-Level Task Enhancements

Table-level tasks now offer more flexible filtering, sampling, and table selection capabilities, helping users configure tasks more efficiently, control the data extracted, and manage complex data movement scenarios.

a. Table Filtering Enhancements

- **Random Record Sampling:** Specify the number of records and partitions to extract from each table for a random sample. Tables with record limits are clearly identified in the task execution window, helping users understand extraction constraints and control the volume of data selected for testing.
- **Shared Filters:** Apply a single filter clause, such as a last-modified date, across multiple selected tables containing the relevant fields. This reduces repetitive configuration and makes it easier to apply consistent filtering criteria across related datasets.
- **Business-Friendly Filters:** Table filters display business-friendly field aliases defined in the Catalog and provide a dropdown of valid values, while still supporting free-text input. This makes filters easier to understand and configure, reduces reliance on technical field names, and helps users enter valid filter values.

b. Table Selection Enhancements

- **Bulk Version Selection:** Assign a data version to multiple tables in a single action, reducing repetitive operations and accelerating task configuration.
- **Different Source and Target Table Names:** Map source tables to target tables with different names through a configurable source-to-target mapping flow. This supports environments with different naming conventions and provides greater flexibility when moving data between systems.

c. Other Table-Level Improvements

- **Enhanced Source Component:** The Source component provides a larger table-selection area, search by schema, interface and schema names in the table list, and spreadsheet-style filtering with the ability to select filtered tables. These improvements make it easier to find and select the required tables, particularly when working with large datasets.
- **Document Database Support:** Table-level tasks now support serializing and deserializing Document DB data, enabling testers to retain complex document data in Fabric, extract it from a source system in one task, and load it into multiple target systems in subsequent tasks. This simplifies the reuse and distribution of complex test data across multiple target environments.



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- **Entity and Table Validation:** Tasks that combine entities and tables now prevent users from selecting tables that are already part of the Logical Unit. This helps avoid duplicate selections and supports more consistent task configuration.

3. Improved Task Management

The Manage Your Tasks window offers more flexible viewing and search capabilities, helping users locate tasks and manage them more efficiently.

- **Flexible Task Views and CSV Export:** Choose between card view and table view. The table view presents all tasks in a single, structured list that can be exported to CSV for further analysis, reporting, or sharing. This makes it easier to review and manage large numbers of tasks.
- **Search by Task ID:** Search for tasks using their task ID, making it faster to locate a specific task when troubleshooting, investigating execution issues, or responding to support requests.

4. Security Auditing and Activity Tracking

TDM enhances visibility into administrative and security-related activities, helping organizations monitor changes that may affect access to sensitive test data and support security audits.

- **Detailed TDM Setup Activity in the Dashboard Report:** The detailed user activity report now includes a table of TDM setup activities, with the username, date, activity, and description. The report also captures changes to TDM environment sensitivity, improving traceability of administrative changes that can affect user permissions and access to sensitive data.
- **Security Audit Logging:** TDM permission - and security-related activities - including permission group changes, environment sensitivity changes, and environment permission set changes - are now written to the Fabric log at the AUDIT level. This provides an additional source of information for security monitoring, investigations, and audit reviews.
 - **Configuration note:** This feature uses the Fabric auditing mechanism. Auditing is disabled by default. To enable it, set AUDIT=ON in the K2admin Configuration tab and configure the AUDIT override.
 - For details, see the [Fabric Auditing Overview](#).

5. Security Improvements

6. Additional Enhancements

- **Independent Clone Count Locking:** Task creators can independently lock or unlock the number of clones using a new lock icon in the Target component. By default, the clone-count lock follows the lock state of the number of entities. This gives users greater control over clone configuration without requiring the two settings to remain linked.



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- **Flexible Loading of Pre-Generated Synthetic Entities:** When loading pre-generated synthetic entities, task runners can override execution settings, including the target environment, subsetting methods and parameters, and the selected generation execution. This allows teams to reuse pre-generated synthetic data across different execution scenarios with greater flexibility.
- **Context-Aware Selection Methods:** The task execution window displays only the selection methods supported by the selected source environment, with an information icon and tooltip providing additional guidance. This helps users choose valid options and reduces confusion during task configuration.
- **Permission-Aware Retention Options:** Retention options in the task window now reflect the user's permissions. The '**Do not delete**' option is available only to users authorized to use it, improving the consistency of the user experience with the organization's access-control policies.
- **Task Variables in Execution Reports:** Task execution reports now include the task variables (Globals) defined by the task creator, in addition to execution overrides. This provides a more complete view of the configuration used for the execution and makes it easier to investigate differences between task defaults and execution-specific settings.
- **Retention Periods in Extract and Load Execution Reports:** The retention period is now included in execution reports for both extract and load tasks, providing more consistent reporting and improving visibility into test data retention settings.
- **Special Characters in Task Names:** Task names now support special characters, allowing users to use more descriptive names that better reflect their business context and naming conventions.
- **Restart Task Execution from a Previous Execution:** The startTask API now accepts an optional task execution ID. When supplied, the previous execution's parameters serve as the baseline for the new execution, while explicitly provided override parameters take precedence. This simplifies the reuse of previous execution configurations and supports automated workflows that need to repeat or adapt existing task executions.

RESOLVED ISSUES

Task Execution Process

- Tickets [#36749](#) and [50377](#) - **Performance improvement on the task execution job:** Task executions are now synced into the TDM LU asynchronously, and the Task Execution Monitor and summary report display a clear message while the sync is in progress. This prevents other task executions from being blocked while the current execution is being synced into TDM LU.
- Ticket [#51556](#) - Fixed an issue where a task running a Pre- or Post-execution process prevented other tasks from starting their Pre- or Post-execution processes.



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- Ticket [#51719](#) - DB connection leak: not all TDMDB connections were closed properly which caused a DB connection leak.
- Extract and load tasks executions - Fixed handling of Sequence fields that are also checked as PII fields: set the *enable_masking_uniqueness* key to true on both processes – extract and load.
- Fixed an issue where a global variable value containing a single quote caused a task with a pre- or post-execution process to remain in Pending status.

Manage Your Tasks Window

- Fixed an issue where advanced search failed when the user clicked the search icon again.
- The entire window, including the left and main panels, now refreshes after a task group is deleted.
- Fixed the error message displayed when trying to delete a system task group.

Task Window

- Ticket [#47979](#) - Fixed the task parameters display to include parameters with null values.
- Ticket [#51872](#) - Fixed the error that occurred when adding pre- and post-execution processes to a task in a masking-only mode TDM App (no Business Entity is defined).
- Fixed an issue where tables from disabled systems remained selected in the task window. Tables belonging to interfaces disabled in the task's environments are now filtered out when creating or updating a task.
- Fixed an issue where an incorrect number of entities was sent to the API when changing a clone task to a non-clone task.
- Enabled users to select a source environment without Read permissions when creating a task; in this case, the sync policy is set to OFF.
- Fixed an issue where a task with a reserve action (reserve entities) and an editable target environment was not displayed to testers.
- Fixed an issue when saving a clone task with an empty clone count while the number of clones is editable at execution time.
- Added validation to ensure that the number of entities provided when creating or updating a task through the API matches the actual number of entities.

Task Execution Window

- Fixed an issue where a blank page appeared when users typed in the condition field before selecting a Business Entity and environment.
- Fixed an issue where a tester could select an environment configured only as a target as the task's source environment.
- Fixed a failure that occurred when changing the selection method of a previous execution from Entity List to another selection method.
- Fixed missing reservation information in the execution prompt of clone and reserve tasks.



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- Prevented task runners from removing a business-parameters group defined in the task.
- Blocked executing a reserve task with zero reservation days.
- Fixed an error that occurred when loading a data version from a specific LU into a target environment containing additional LUs.

Task Execution Monitor and Task Execution Dashboard Windows

- Fixed an issue where the Task Execution Monitor displayed zero records for completed processes until the window was refreshed.
- Fixed an issue where the LU and Tables monitor cycles did not accurately reflect execution status when monitoring tasks that combined LUs and referential tables.
- Fixed an issue where leading zeros were displayed in the execution dashboard.
- Ticket [#51686](#) - Fixed an issue where the task execution note did not wrap in the Task Execution Monitor.
- Changed the tooltip for a stopped Business Entity task execution from Run to Resume.

Table-Level Task

- Ticket [#50281](#) - Fixed an issue where an in-place masking task did not use the defined custom flow.
- Fixed an issue where a table-level task failed on duplicate keys after resuming a stopped execution.
- Fixed an issue where custom load and in-place masking flows did not receive all required inputs.
- Fixed an issue where only the first item of an array was copied to the target for MongoDB tables.
- Fixed an issue with table statistics when using a custom load flow.
- Fixed an issue where previously extracted tables were missing from the Load Tables Snapshot list.
- Renamed the field names in the table versions pop-up window for clarity.

TDM Upgrade and Templates

- Ticket [#51773](#) – Fixed TDM upgrade issues.
- Ticket [#51344](#) Changed the initialization of the TDMDB schema to avoid failures that cause the TDM App to be inaccessible.
- Ticket [#51323](#) – **TDMLUInitBasedOnFabric flow enhancements:**
 - Added an optional input parameter to indicate whether FABRIC_TDM_ROOT should be replaced by the updated table.
 - Added support for source LU tables that exist only in the LU and not in the data source.
- Removed a leftover reference to the TableLevelPartitionFlow MTable template.

General and Miscellaneous Fixes

- Fixed the error message displayed when the same user or user group is added to multiple permission sets of an environment.
- Fixed the pop-up windows for warning messages in the TDM App.



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- Fixed capitalization and typos across the Environment and Business Entity windows.