

Test Data Management

Software Version 24.2.0

Release Notes

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Documentation updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
- Document Release Date, which changes each time the document is updated.
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This document is an overview of the new features and changes made to Test Data Management (TDM).

Related Documentation

The following documentation is available for this product:

Document name	Description
Test Data Management Installation Guide	Explains how to install the product.
Test Data Management Docker Installation on Windows Virtual Machines	Explains how to install Docker on Windows Virtual Machines.
Test Data Management User Guide	Explains how to use the product.
Test Data Management Command-Line Interface (CLI) Guide	Explains the main components and functions of the TDM CLI tool.

What's new

Installation

- Discrete installation of Docker and Synthetic Data Generation (SDG) Engine from the TDM.

Synthetic Data Generation

- Addition of token mechanism to the TDM WEB - SDG Engine communication to increase security.
- Inclusion of **ER Diagram** feature to the synthetic flows. When selecting tables to create data, a representative ER diagram of the data will be available.
- Addition of new List Generator Types.
 - Credit Card Number Generator
 - IBAN Generator
 - Street, Postal Code, City, and Country Generators
- Addition of **Location** (Country Code Selection), **Mobile**, and **Static** parameters to the Phone Number Generator.
- Addition of **Create from DB (using Environment)** option to Create List Generator page. It enables the generation of relational data for multiple target environments. In a complex and multi-database environment with interconnected data, it is possible to create data for all databases and evaluate their relationships at the same time.
- Addition of **Start Date/Datetime** and **Later Than** parameters to Date and Datetime Generators. These parameters allow users to choose starting dates or values later than a specified date (this information comes from another column within the table) when generating date or datetime data.

TDM CLI

- Introduction of CLI tool to run TDM cases and suites. These CLI commands can be easily integrated into the CI/CD process and the test data generation process can be automated.

Installation notes

The installation specifications and step by step instructions to install the Test Data Management are provided in the *Test Data Management Installation Guide* document.

Known problems, limitations, and workarounds

This section covers known problems, limitations, and workarounds about TDM.

General

Limitations that are marked in release 2.0.0 are also valid for TDM 24.2.0.

PostgreSQL

- The database user must have the privilege to execute the `nextval` command.
- Default sequence names must be used in tables, and the sequence names must not be changed.

MySQL

- The database user must have the privilege to execute the `ANALYZE TABLE` command.
- The database user must have selected access to the `INFORMATION_SCHEMA.TABLES` table.

MSSQL

- The database user must have the `SELECT` and `DBCC CHECKIDENT` privileges.
- If a table is empty, the auto-increment identity value is reset to zero.
- `TRUNCATE TABLE` permissions default to the table owner, members of the `sysadmin` fixed server role, and the **db_owner** and **db_ddladmin** fixed database roles and are not transferable.

Oracle

- The Program only reflects Organization Index Tables with Primary Key.