



# TDM RELEASE NOTES

## TDM V7.1 RELEASE NOTES

These Release Notes describe the new features in TDM release V7.1.

Certification of this TDM release is based on:

- Fabric 6.5.
- PostgreSQL 9.6 and 13.

## RELATED DOCUMENTS

Fabric\_Release\_Notes\_V6.5.0.

## MAIN FEATURES AND IMPROVEMENTS

### 1. Integrate TDM with Fabric Web Framework

- The TDM Web (TDM GUI) application is embedded into the Fabric server. The Node.js server is removed and the TDM back-end layer is implemented by Fabric APIs in the TDM Library.
- The log-in to the TDM Web application is done via Fabric Web Framework.
- As TDM is embedded in Fabric, the TDM installation is easier.
- **Using Fabric authentication capabilities:**
  - The user logs in and is authenticated by Fabric. Fabric can now provide user identification and access management (IAM) for Web and Web Services access, either using Fabric local repository or by **using the organization's identify provider (IDP) with which Fabric is integrated.**
  - **Invoking TDM APIs (which are Fabric APIs) from external applications:**
    - Fabric V6.5 and up supports *bearer header authorization*, where the JWT (JSON Web Token) originated and is sent securely by the API client as the *bearer* token. In this case the user's authentication process is not done in Fabric, allowing an application that already authenticated a user to delegate API calls by providing the user's information. Fabric validates that this token can be trusted and uses it to give access permissions to the API's client.
    - The user and groups are sent as part of the JWT payload claims ("user", "groups"). When verified, Fabric sets the session with this user and roles by taking the groups and setting them as user's roles for this session.



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## 2. TDM APIDOC Improvements

- Setting a more detailed description in the APIs.
- Adding input and output examples.
- Embedding the TDM APIDOC into the TDM Web application.

## 3. Support Updated PostgreSQL Versions

Adding support of V9.6 and above PostgreSQL versions. The TDM V7.1 was certified based on PostgreSQL V9.6 and V13.

## 4. TDM Web Application Changes

### Update the Look and Feel of the TDM Web Application

Update the look and feel of the TDM windows to be aligned with Fabric Web Framework graphical styling.

### New TDM Window – Permission Group Mapping

Adding a new TDM window to map Fabric roles (= user groups) to TDM Permission Group to define the user type and permissions: admin, owner, or tester.

### TDM Environment Windows

Enabling a manual typing of the user identifier when adding users to an Environment owners list or a TDM Environment role.

### TDM Task Window

Adding an automatic calculation of the number of matching entities when a subset of entities based on parameters was selected.