Release Notes PostgreSQL Provider 5.0.0 (Englisch)

Summary

With the current major release of the PostgreSQL Provider, a thoroughly revised version of the proven extension for Autodesk AutoCAD Map 3D is now available. In addition to minor bug fixes and a new one-click maintenance function, this version introduces three key innovations:

- **Support for Autodesk AutoCAD Map 3D 2025**
  The provider now supports the latest version Autodesk AutoCAD Map 3D 2025.
- Performance optimization of map rendering
  The FDO component of the provider, responsible for map rendering, has been completely redeveloped. The new implementation eliminates previous performance bottlenecks and enables a significantly more reliable display of network data on the map – even with large datasets and complex projects.
- Unification of database connections
  In previous versions, the domain model and map rendering used separate database connections, which led to inconsistencies and transaction issues in certain workflows. With the new architecture, the domain model now accesses the same connection as the map. This ensures consistent data handling, simplifies workflows, and prevents synchronization issues between the map display and domain-specific objects.

This release focuses on improved performance, greater stability, and tighter integration of GIS functionalities – making your network documentation in AutoCAD Map 3D even more efficient and reliable.

Supported Software

- Autodesk AutoCAD Map 3D
  - ‣ Autodesk AutoCAD Map 3D 2023.0.4 - Autodesk AutoCAD 2023.1.6
  - ‣ Autodesk AutoCAD Map 3D 2024.0.1 - Autodesk AutoCAD 2024.1.6
  - ‣ Autodesk AutoCAD Map 3D 2025.0.1 - Autodesk AutoCAD 2025.1.2
- TKI NET 14.2 or later
- TKI Lizenzierung 14.0
  (Only required for a manual installation on the network license server)

> ℹ The specified versions for Autodesk AutoCAD and Map 3D are the ones for which NET was developed. Generally, newer versions can also be used. However, there have been occasional updates in the past that caused crashes in NET.

Release PostgreSQL Provider 5.0 in detail

* Support for Autodesk AutoCAD Map 3D 2025

FDO Provider (Map Rendering)

- Complete redevelopment of the FDO provider
- Inserting inner rings into polygons with arcs on the outer edges now works without errors.
- Converting a polygon edge into an arc no longer creates invalid geometry.
- Area topologies are now correctly updated when support points are moved or vertices are added.
- Materialized views are now properly recognized even before the map graphics are generated and can be added to the display model.

Infrastructure Datamodel Provider

- Transition from two separate database connections (domain model and map) to a shared connection based on the new FDO provider.
- A bug that occasionally occurred when scrolling in the table view of various forms has been fixed.

One-Click Maintenance

- A new one-click maintenance feature has been added as part of the PostgreSQL provider. It updates multiple interdependent materialized views in the correct order.