Toad Edge® 2.10.0

Release Notes

March 2024

These release notes provide information about the Toad Edge release.

About Toad Edge®

Toad Edge® is a database management application that allows you to perform database administration tasks with ease.

Toad Edge® allows you to:

- Connect to your databases, view, explore and edit database structure, database objects and properties

- Manage database objects, easily add, edit or drop objects in **Object Explorer**

- Obtain detailed information about your databases

- Manage data stored in your database, add, edit or remove records

- Write complex SQL code comfortably in **Worksheet**

- Compare and synchronize databases using powerful **Schema Compare**

- Conveniently manage users and user permissions in **Object Details** editors

- Seamlessly integrate Toad Edge into your **Continuous Integration and Delivery** processes

Toad Edge 2.10.0 is a minor release, with new features and functionality. See New features for more information.

New features of Toad Edge

In Toad Edge® 2.10, the following new features were implemented:

General features

Support for Stored Procedure Cursors

- Users now have the ability to view cursor information directly from the user interface (UI).

Support for MariaDB Function Parameter Modes

- Users now have the ability to select MariaDB Function Parameter Modes like IN/OUT/INOUT directly from the user interface (UI).

Support for Roles Schema Compare

- Users now can compare login/group roles for PostgreSQL and EDB databases within the Schema Compare Feature.

Support for Microsoft Edge Browser

Toad Edge for Windows now supports Microsoft Edge Browser for Sign In/Up purposes.

Database features

Support for MySQL

- Toad Edge now supports connecting with MySQL 8.2.

Support for MariaDB

- Toad Edge now supports connecting with MariaDB 11.2.

Support for PostgreSQL

- Toad Edge now supports connecting with PostgreSQL 16.

Support for EDB

- Toad Edge now supports connecting with EDB 16.

Enhancements

The following is a list of enhancements implemented in Toad Edge 2.10

- An option to view stored procedure cursors in Toad Edge® like Toad For Oracle
- UI Support for MariaDB function parameter qualifiers (IN, OUT, INOUT)
- Supports Microsoft Edge as an alternative default browser
- Supports PostgreSQL 16 + EDB 16 features
- Supports MySQL 8.2
- Supports Maria 11.2
- Schema Compare: Include comparison of login/group roles for Postgres and EDB platform.
- Updated installer signing certificate
- An option to copy the headers of the table along with the selected rows

Resolved issues

The following issues were resolved for this release:
Toad Edge 2.10.0

Description	Issue ID
Wrong script generated for JSON datatype with "JSON_VALID" constraint in MariaDB	15107
Deploy change script task of CLI fails for "Events" in MySQL	15139
EDB Package Functions & Procedures do not load	15228
Getting SWT Exception while exporting multiple tables in RedShift	15239
CLI snapshot throws ModelLoadException	15276/65888
Misleading Unsupported Warning in PostgreSQL/EDB Versions 12.9, 13.9, 14.9	15301

Known issues

The following is a list of issues, including those attributed to third-party products, known to exist at the time of release.

General known issues

Known Issue	Issue ID
Mouse cursor may become invisible in specific circumstances related to errors in **Worksheet**. **Workaround**: Switch into a different Toad Edge View and back.	5942
After upgrading from Toad Edge 1.0 , databases that were mapped (as part of Repository) will lose their mapping.	8223
When a database is synchronized with Repository, changes made to tables in the database that have been created using BLACKHOLE, CSV or FEDERATED engine are not detected in Object Explorer. **Workaround**: Display the comparison window (right-click the database | Repository | Synchronize). The changes will be detected and subsequently displayed in Object Explorer.	8332
Toad Edge will not override default settings of associated programs for opening JSON files on Windows.	9229
Currently it is not possible to activate more than one license during silent installation on Windows	11666
While connecting to Postgres/EDB, one might get "Password must be at least 14 characters" as error **Workaround**: Close ToadEdge and go to ToadEdge.ini file and change -Dorg.bouncycastle.fips.approved_only value to false.	14740

System requirements

Before installing Toad Edge 2.10.0, ensure that your system meets the following minimum hardware and software requirements.

Hardware requirements

Table 1: Hardware requirements

Requirement	Details
Processor	Minimum dual core 64-bit processor
Memory	Minimum 4 GB RAM
Hard disk space	Minimum 500 MB + additional disk space for user data

Software requirements

Table 2: Software requirements

Requirement	Details
Operating System	Windows 11 (64-bit)
	Windows 10 (64-bit)
	Windows 8.1 (64-bit)
	Windows 7 (64-bit)
	Windows Server 2012 R2 (64-bit)
	Window Server 2016 (64-bit)
	macOS 13 Ventura (64-bit)
	macOS 12 Monterey (64-bit)
	macOS 11 Big Sur (64-bit)
	macOS 10.15 Catalina (64-bit)
	macOS 10.14 Mojave (64-bit)
	macOS 10.13 High Sierra (64-bit)
	macOS 10.12 Sierra (64-bit)
Other requirements	.NET 4.0 is required to install the application on Windows 7

i NOTE: Toad Edge may also run on virtual versions of the mentioned operating systems. Please note, however, that these configurations are not tested.

Database requirements

Supported database	Version	Additional details
PostgreSQL	9.5,9.6,10,11,12,13,14,15,16	Toad Edge tested with Amazon Aurora PostgreSQL 9.5, Microsoft Azure PostgreSQL 10.1, and PostgreSQL 14 tested to run in Amazon Relational Database Service (RDS) environment.
EnterpriseDB	9.6,10,11,12,13,14,15,16	
Amazon Redshift	1.0	Limited Support. KB Article 4370937 draws the feature comparison between Redshift and PostgreSQL/EDB.
MariaDB	10.1, 10.2, 10.3, 10.4, 10.5, 10.6, 10.7, 10.8, 10.9, 10.10, 10.11, 11.0, 11.1,11.2	MariaDB 10.1 tested for common functionality with MySQL 5.6. **Note**: Only features common with MySQL are supported except Sequences.

Supported database	Version	Additional details
MySQL	5.5, 5.6, 5.7, 8.0*, 8.1, 8.2	MySQL 5.6 tested to run in Microsoft Azure. MySQL 5.7 tested to run in Amazon Relational Database Service (RDS) environment. MySQL 8 tested to run in Amazon Aurora.
		MySQL engines: InnoDB, MyISAM Tested MySQL editions: Community, Standard, Enterprise
		*Role Management and Tablespaces are currently not supported for MySQL 8.0. Please use the latest driver with MySQL 8.0 support.

How to install JDBC drivers

The following JDBC drivers are supplied with the installation of Toad Edge. The current drivers bundled with the Toad Edge are Advance Server JDBC Connector 42.3.3.1, MySQL Connector/J 5.1.46, MySQL Connector/J 8.0.32, PostgreSQL JDBC 42.5.1, and Redshift JDBC42-1.2.12.

i **NOTE:**

- Toad Edge always works with UTF-8 encoding. Any files that you open are converted to UTF-8 when opened and all files are saved in UTF-8 encoding.

Product licensing

Three types of licenses are available for Toad Edge:

- **Freeware** - basic mode which is active when no other license is supplied

- **Trial** - unlimited mode which lasts for a set period (for example, the initial 30-day Trial)

- **Commercial** - unlimited mode gained by purchasing and using a Commercial license in the application

As mentioned in Introduction, you need to create and sign in to your Quest Software account in order to start using Toad Edge. After you create your account, you are provided an initial 30-day Trial license. This allows you to try out the application and all of its features.

Once the Trial period elapses, you can purchase and supply a Commercial license to continue using Toad Edge without limitations. Otherwise, the application will revert to the Freeware mode. You will be still able to use all Freeware features, but you will not be able to access Commercial features.

The following matrix lists all features that can be used in Freeware and Trial/Commercial versions of Toad Edge.

Feature	Commercial	Freeware
SQL Worksheet/Editor		
Advanced Content Assist	✔	✖
Syntax check	✔	✔

Feature	Commercial	Freeware
Code formatting	✔	✔
Run multiple statement	✔	✔
Run from/to position	✔	✔
Data editor		
Table lookup via foreign keys	✔	✔
Basic data filters	✔	✔
Data type specific data editors	✔	✔
Editable result grid	✔	✖
Export and import		
Export to CSV	✔	✔
Export to SQL	✔	✖
Export to HTML	✔	✖
Export to XML	✔	✖
Export to Excel	✔	✖
Import from SQL	✔	✖
Import from CSV	✔	✔
Schema Compare		
Schema/Database comparison	✔	✖
Advanced SQL difference recognition	✔	✖
Detailed SQL comparison settings	✔	✖
Timestamp comparison	✔	✖
Detailed Schema Compare reports	✔	✖

Feature	Commercial	Freeware
Generation of change scripts	✔	✖
Snapshots		
Snapshot creation	✔	✖
Snapshot comparison	✔	✖
Versioning/Collaboration		
Repository (MySQL/MariaDB/PostgreSQL)	✔	✖
Continuous Integration/Continuous Delivery support	✔	✖
Native plugin solution for Jenkins	✔	✖
Other application features		
Object search	✔	✔
Code snippets/templates	✔	✖
Session browser	✔	✖
Support for JSON data types	✔	✔
JSON structure visualization	✔	✖
JSON in-place data editor	✔	✖
MySQL Events editor	✔	✖
Advanced user privilege management	✔	✖
SQL Warnings	✔	✔
Backup and Restore	✔	✖
Lock Manager for PostgreSQL and EDB	✔	✖
Run SQL File	✔	✖

Getting started with Toad Edge

Contents of installation package

The Toad Edge release package contains the following:

- Installation file of Toad Edge (MSI or PKG)
- Product Documentation, including:
    - Release Notes
    - Installation Guide
    - User Guide

i | **NOTE:** Toad Edge® is distributed with the latest Advance Server JDBC Connector 42.3.3.1, MySQL Connector/J 5.1.46, MySQL Connector/J 8.0.32, PostgreSQL JDBC 42.5.1, and Redshift JDBC42-1.2.12.

Installation Instructions

- See **System requirements** before installation to avoid any possible issues during installation or later when using Toad Edge
- Launch Toad Edge installation file and follow the instructions in the installation wizard

Additional resources

Additional information is available from the following:

Toad World Community Site	Toad Edge Toad World Community.

Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation.

This release is Unicode-enabled and supports any character set. In this release, all product components should be configured to use the same or compatible character encodings and should be installed to use the same locale and regional options. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America, Central and Eastern Europe, Far-East Asia, Japan.

About Us

We are more than just a name

We are on a quest to make your information technology work harder for you. That is why we build community-driven software solutions that help you spend less time on IT administration and more time on business innovation. We help you modernize your data center, get you to the cloud quicker and provide the expertise, security and accessibility you need to grow your data-driven business. Combined with Quest's invitation to the global community to be a part of its innovation, and our firm commitment to ensuring customer satisfaction, we continue to deliver solutions that have a real impact on our customers today and leave a legacy we are proud of. We are challenging the status quo by transforming into a new software company. And as your partner, we work tirelessly to make sure your information technology is designed for you and by you. This is our mission, and we are in this together. Welcome to a new Quest. You are invited to Join the Innovation.

Our brand, our vision. Together.

Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in the Q itself symbolizes our need to add the missing piece — you — to the community, to the new Quest.

Technical Support Resources

For sales or other inquiries, visit www.quest.com/contact.

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at https://support.quest.com.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product

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