

Toad Edge® 2.5

Release Notes

August 2022

These release notes provide information about the Toad Edge release.

- [About Toad Edge®](#)
- [New features of Toad Edge](#)
- [Enhancements](#)
- [Resolved issues](#)
- [Known issues](#)
- [System requirements](#)
- [Product licensing](#)
- [Getting started with Toad Edge](#)
- [Globalization](#)

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 2.5 is a minor release, with new features and functionality. See [New features](#) for more information.

New features of Toad Edge

In Toad Edge® 2.5 the following new features were implemented:

General features

Worksheet enhancements

- Introduced multiple result set tab for multiple query executions and ability to pin result sets tab

OS support

- Officially supporting Windows Server 2016 (64-bit)

Export additions

- Added option to export data as Excel.

Detail Explorer enhancements

- Added a partition tab to handle partition tables
- Introduced row and column separator for copying data from data grid
- Introduced aggregator toolbar in data grid to show aggregated values of selected data
- Introduced a preference to select table's default tab Introduced

Database features

Support for PostgreSQL 14

- Toad Edge now supports PostgreSQL 14

Support for EnterpriseDB 14

- Toad Edge now supports EnterpriseDB 14

Enhancements

The following is a list of enhancements implemented in Toad Edge 2.5

- Support of Windows Server 2016
- Option to add and delete license has been removed.
- Data/Result grid will now have a aggregator toolbar item to show aggregate values
- Added an option to restart the application
- SQL editor will now have a multiple result set tabs and ability to pin those result set
- Users can now export data into excel files
- Clicking on row of data grid will now highlight the entire row
- Added option to customize column and row separator for copying data from data grid
- Added option to customize the opened default table tab
- Added partitions in object and detailed explorer along with quick doc and outline implementations
- Full Support of PostgreSQL 14
- Full Support of EnterpriseDB 14
- Add support for EDB driver 42.3.3.1

Resolved issues

The following issues were resolved for this release:

Toad Edge 2.5

Description	Issue ID
Fixed diff calculation when an object has same values for multiple object attributes	14813
Fixed formatting in the change script generation while comparing schemas	14843/54086
Fixed inconsistency of compare schema layout	14887
Now import will work for special float numbers like 'NaN' for PostgreSQL	14913
Unable to edit grid when one of the column value changes after UPDATE is fixed	14927/5065049
Copying tables with comments exclude comments is fixed	14939
Enabled maximize window button in preferences page	14951
Fixed check constraint exception for mariadb unsupported versions	14981/5103586
Better diff description in MySQL for different partitions of two tables for same columns	14933

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 2.5, 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 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	Toad Edge tested with Amazon Aurora PostgreSQL 9.5 and Microsoft Azure PostgreSQL 10.1
EnterpriseDB	9.6,10,11,12,13,14	
Amazon Redshift	1.0	In beta. You need to use RedshiftJDBC42-1.2.12.1017 or newer driver in order to use Redshift features.
MariaDB	10.1, 10.2, 10.3, 10.4, 10.5, 10.6	MariaDB 10.1 tested for common functionality with MySQL 5.6. Note: Only features common with MySQL are supported except Sequences.
MySQL	5.5, 5.6, 5.7, 8.0*	MySQL 5.6 tested to run in Microsoft Azure. MySQL 5.7 tested to run in Amazon Relational Database Service (RDS) environment

Supported database	Version	Additional details
		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 Advanced Server JDBC Connector 4.2, MySQL Connector/J 5.1.46, MySQL Connector/J 8.0.22, and PostgreSQL JDBC 42.3.5.



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.
- Currently, Toad Edge® is not being shipped with Advanced Server JDBC Connector 42.3.3.1, but it has been tested to work well with the Advanced Server JDBC Connector 42.3.3.1.

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	✓	✓
Code formatting	✓	✓

Feature	Commercial	Freeware
Multiple statement execution	✓	✓
Execution 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	✓	✗
Generation of change scripts	✓	✗

Snapshots

Feature	Commercial	Freeware
Snapshot creation	✓	✗
Snapshot comparison	✓	✗
Versioning/Collaboration		
Repository (MySQL only)	✓	✗
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	✓	✗

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 Advanced Server JDBC Connector 4.2, MySQL Connector/J 5.1.46, MySQL Connector/J 8.0.22, and PostgreSQL JDBC 42.3.5.

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

How to Install Java Cryptography Extension

- Download the latest JCE files:
 - local_policy.jar
 - US_export_policy.jar
- and use them to replace the files in Toad Edge security folder
 - (...)\Quest Software\Toad Edge\bin\jre\lib\security\

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

Copyright

Copyright 2022 Quest Software Inc. ALL RIGHTS RESERVED.

This guide contains proprietary information protected by copyright. The software described in this guide is furnished under a software license or nondisclosure agreement. This software may be used or copied only in accordance with the terms of the applicable agreement. No part of this guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's personal use without the written permission of Quest Software Inc.

The information in this document is provided in connection with Quest Software products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of Quest Software products. EXCEPT AS SET FORTH IN THE TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, QUEST SOFTWARE ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL QUEST SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF QUEST SOFTWARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Quest Software makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Quest Software does not make any commitment to update the information contained in this document.

If you have any questions regarding your potential use of this material, contact:

Quest Software Inc.
Attn: LEGAL Dept
4 Polaris Way
Aliso Viejo, CA 92656

Refer to our Web site (www.quest.com) for regional and international office information.

Patents

Quest Software is proud of our advanced technology. Patents and pending patents may apply to this product. For the most current information about applicable patents for this product, please visit our website at www.quest.com/legal.

Trademarks

Toad, Toad Edge, Quest, and the Quest logo are trademarks and registered trademarks of Quest Software Inc. in the U.S.A. and other countries. For a complete list of Quest Software trademarks, please visit our website at www.quest.com/legal. Microsoft, Windows, Windows Server are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Oracle is a trademark or registered trademark of Oracle and/or its affiliates in the United States and other countries. MySQL is a registered trademark of MySQL AB in the United States, the European Union and other countries. macOS™ and OS X® are trademarks of Apple Inc., registered in the U.S. and other countries. This product includes software developed by the Apache Software Foundation (<http://www.apache.org>). All other trademarks, servicemarks, registered trademarks, and registered servicemarks are the property of their respective owners.