

# Toad Edge® 2.2.0

## Release Notes

April 2021

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

# New features of Toad Edge

In Toad Edge® 2.2 the following new features were implemented:

## General features

### Worksheet enhancements

- Added parenthesis matching in SQL and JSON editors.
- Syntax checker issues in MySQL have been resolved.

### Data grid enhancements

- Added support to enable/disable row numbers in the data grid.

## Database features

### Support for PostgreSQL 13

- Toad Edge now supports PostgreSQL 13

### Support for EDB Postgres Advanced Server 13

- Toad Edge now supports connecting to EDB 13

### Support for EDB Postgres Advanced Server 12

- Toad Edge now supports connecting to EDB 12

## Enhancements

The following is a list of enhancements implemented in Toad Edge 2.2.0

- Toad Edge now has the option to enable/disable row numbers in data grid
- Worksheet editor now supports parenthesis matching
- Default MySQL, PostgreSQL database drivers updated to the latest version

# Resolved issues

The following issues were resolved for this release:

Toad Edge 2.2.0

Description	Issue ID
Incorrect HTML report generation is fixed when AUTO_INCREMENT is ignored	14647/4781061
A script for procedures with BIGINT and CONDITION FOR SQLSTATE data types will now show completely	14529/4722916
Hinted value by keyboard in data grid can be inserted.	14550
SWT exception while changing grant privileges for some cases is now fixed	14567
Now can open the toad edge associated file when toad edge is not running	14597
Select/Unselect columns will now work from data grid while exporting data	14611
Enter password dialog 'not prompting up' for postgresQL 13/EDB 13 is now fixed	14656
Now can connect to EDB through SSPI authentication in Windows	14664
Toad Edge will now support CA certificate which has multiple embedded certificates inside them	14690/4833102
Table loading issue fixed when exist ',' in ENUM/Set datatype	14692/4822782

# 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 <b>Worksheet</b> . <b>Workaround:</b> 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. <b>Workaround:</b> 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

Known Issue	Issue ID
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 112 bites" as error <b>Workaround:</b> 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 2.2, ensure that your system meets the following minimum hardware and software requirements.

### 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

Requirement	Details
Operating System	Windows 10 (64-bit) Windows 8.1 (64-bit) Windows 7 (64-bit) Windows Server 2012 R2 (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	Toad Edge tested with Amazon Aurora PostgreSQL 9.5 and Microsoft Azure PostgreSQL 10.1
EnterpriseDB	9.6, 10, 11, 12, 13	
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	MariaDB 10.1 tested for common functionality with MySQL 5.6. <b>Note:</b> Only features common with MySQL are supported.
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 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.

## Other Requirements

Internet connection	In order to sign-in and validate your license internet connection is required to connect with our licensing servers.
Internet browser	In order to view documentation an internet browser is required. Internet Explorer 10 or later is recommended.
Screen	The minimum supported resolution is 1280 x 720. Toad Edge might launch on any resolution but some features might not be displayed correctly.

## 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
<b>SQL Worksheet/Editor</b>		
Advanced Content Assist	✓	✗
Syntax check	✓	✓
Code formatting	✓	✓
Multiple statement execution	✓	✓
Execution from/to position	✓	✓
<b>Data editor</b>		
Table lookup via foreign keys	✓	✓
Basic data filters	✓	✓
Data type specific data editors	✓	✓
Editable result grid	✓	✗
<b>Export and import</b>		
Export to CSV	✓	✓
Export to SQL	✓	✗
Export to HTML	✓	✗
Export to XML	✓	✗
Import from SQL	✓	✗
Import from CSV	✓	✓

Feature	Commercial	Freeware
<b>Schema Compare</b>		
Schema/Database comparison	✓	✗
Advanced SQL difference recognition	✓	✗
Detailed SQL comparison settings	✓	✗
Timestamp comparison	✓	✗
Detailed Schema Compare reports	✓	✗
Generation of change scripts	✓	✗
<b>Snapshots</b>		
Snapshot creation	✓	✗
Snapshot comparison	✓	✗
<b>Versioning/Collaboration</b>		
Repository (MySQL only)	✓	✗
Continuous Integration/Continuous Delivery support	✓	✗
Native plugin solution for Jenkins	✓	✗
<b>Other application features</b>		
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	✓	✗

# 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 42.2.18.

### ***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](http://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 2021 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](http://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](http://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](http://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.